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INTERCORRELATIONS OF ANTHROPOMETRIC MEASUREMENTS: A SOURCE BOOK FOR USA DATA

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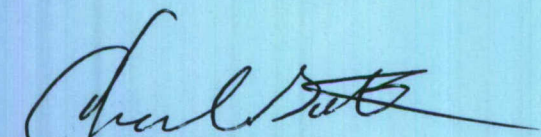> Cameron Station
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This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

CHARLES BATES, JR.
Chief
Human Engineering Division
Aerospace Medical Research Laboratory

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20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

Correlation matrices based on data from USAF anthropometric surveys of women (1968, 127 variables), flying personnel (1950, 128 variables; 1967, 190 variables), and basic trainees (1965, 161 variables); a U. S. Army survey of women separatees (1946, 60 variables); the Health Examination Survey of civilian adults (1960-1962, 18 variables); and a survey of law enforcement officers (1974, 23 measurements) are presented for use by engineers who need them in solving design problems and for anthropologists and statisticians

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20. ABSTRACT (continued)

whose analyses and understanding of the interrelationships of body size
data depend significantly on these coefficients. Sample sizes in these
surveys ranged from almost 2000 upward. Definitions and basic univariate
summary statistics are presented for all variables involved. Appendices
contain a glossary of anatomical terms, tables for establishing confidence
limits for the correlation coefficients presented here, computer programs
used in preparing this report, and an index by name, anatomical type,
and anthropometric technique. A bibliography is also included.

PREFACE

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A SOURCE BOOK FOR USA DATA

Section I

INTRODUCTION

The correlation coefficient is the most useful and most important of the statistical measures after the arithmetic mean and standard deviation. The coefficient was devised and developed by Francis Galton and Karl Pearson in the last decades of the nineteenth century as a measure of the degree of interrelationship or concomitant variation of a pair of variables and, in addition, as a statistic related to what is now known as the linear regression equation (see Figures 1 and 2).

These original roles of the correlation coefficient--more formally the "Pearsonian product-moment coefficient"--are still its most important ones and if it had no other roles to play, the correlation coefficient would still occupy a position of major importance among the statistical measures. There are, however, a number of other important purposes served by the correlation coefficient in statistics generally and, in particular, in the statistics of anthropometric measurements and variables which share with them the statistical properties of approximately normal distributions and small coefficients of variation. It may be worth noting some of these roles.

1. Linear measures of relationship and regression equations involving three or more variables can be expressed directly in terms of the multiple correlation coefficients--along with, in some cases, the means and standard deviations. We shall list a number of formulas for multiple correlations and multiple regression equations later in this report.

2. The bivariate and multivariate normal distributions--no matter the number of variables involved--are completely specified by the means, standard deviations, and the correlation coefficients. Once these statistics are known, essentially any question about such distributions can be answered. We can, for example, create theoretical bivariate and trivariate frequency tables, estimate the proportion of individuals who will exceed the mean plus the standard deviation on all variables, determine the parameters of equal probability ellipses (see Figure 3), and make a wide variety of similar calculations.

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A BIVARIATE FREQUENCY TABLE FOR STATURE AND STATURE, MAXIMUM

STATURE, MAXIMUM

STATURE	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	185	TOTALS
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
183.00																					1	1
181.00																			1	1		2
179.00																		8	1			9
177.00																	11	5				16
175.00																12	3					15
173.00															45	18	1					64
171.00														78	18							96
169.00													113	26								139
167.00												123	61									184
165.00											157	44										201
163.00									1	161	68											230
161.00								1	174	79												254
159.00								131	74													205
157.00							133	58														191
155.00						97	50															147
153.00					55	22																77
151.00				33	18																	51
149.00			10	4																		14
147.00		1	6																			7
145.00	1	1																				2
TOTALS	1	2	16	37	73	119	183	190	249	240	225	167	174	104	63	30	15	13	2	1	1	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y -	STATURE	162.10	6.00	.99*X +	.983	.38	.998
X -	STATURE, MAXIMUM	162.75	6.02	1.00*Y +	.644	.38	

A.   An almost perfect relationship: Correlation coefficient = 0.998.

A BIVARIATE FREQUENCY TABLE FOR WEIGHT AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

WEIGHT	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	TOTALS
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
199.00														1					1	2
194.00																1	1			2
189.00												1	1			1	1			4
184.00													1	2	2	1				6
179.00										1		1	2							4
174.00							1				1	1	1	2						6
169.00							1	1	2	6	1	1	2			1				15
164.00									2	1	4	6	1	2	2	1				19
159.00									1	2	4	11	5	3	1	2	1			30
154.00							1	1	6	11	15	11	9	1	1					56
149.00							1	4	14	20	16	16	6	2						79
144.00					2	3	15	26	25	30	17	5	1							124
139.00					3	5	12	33	40	30	23	6	3	1						156
134.00			1	4	6	17	48	55	33	17	4	1								186
129.00				1	1	5	32	58	55	57	20	8	2							239
124.00				1	29	38	62	64	33	15	3									245
119.00				1	12	24	55	66	32	16	5									211
114.00			3	20	41	55	56	18	3	1										197
109.00		2	6	20	53	40	14	7	1											143
104.00		2	10	27	29	22	8	1												99
99.00		6	11	23	17	4														61
94.00	1	1	6	9	1															18
89.00			2																	2
84.00	1																			1
TOTALS	2	11	38	116	206	260	297	279	255	164	123	81	33	16	9	9	5	0	1	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y -	WEIGHT	127.28	16.59	2.70*X -	143.832	9.13	.835
X -	SHOULDER CIRCUMFERENCE	100.41	5.14	.26*Y +	67.319	2.83	

B.   A close relationship: Correlation coefficient = 0.835.

Figure 1.   Illustrations of interrelationships of anthropometric data (AFW'68 Survey).

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE

STATURE

WEIGHT	145.00	147.00	149.00	151.00	153.00	155.00	157.00	159.00	161.00	163.00	165.00	167.00	169.00	171.00	173.00	175.00	177.00	179.00	181.00	183.00	TOTALS
199.00											1						1				2
194.00								1						1							2
189.00										2	1			1							4
184.00									1	2			1	2							6
179.00											1	1			1						4
174.00								1					3		1				1		6
169.00						1		1	1	1	1		2	3	2	1	2				15
164.00								2		3	1	6	1	4	1	1					19
159.00					1	1	2	2	2	1	4	4	7	3	1		2				30
154.00						1	2	1	4	3	7	8	7	8	6	1	1	2			56
149.00					1	1		2	4	9	12	16	16	8	8		1	1			79
144.00			1				1	8	2	9	21	16	18	20	10	8	3	6	1		124
139.00			1			6	10	8	15	21	24	21	19	17	8	4	1		1		156
134.00				2	3	11	11	18	25	30	26	25	12	6	12	3	1	1			186
129.00		1	1	5	4	6	16	27	40	37	38	30	17	13	3		1				239
124.00				4	8	17	30	39	38	31	21	25	15	8	5	1	2	1			245
119.00				3	15	15	27	35	40	25	22	10	11	4	2	1		1			211
114.00			3	2	8	14	25	32	28	34	22	9	7	9	2	2					197
109.00			1	2	7	15	20	18	23	21	14	11	6	1	2	2					143
104.00			1	4	11	7	22	20	9	11	7	2	3	2							99
99.00	2	1			9	6	15	10	8	6	3	1									61
94.00		2	2	3	5	4		2													18
89.00		1			1																2
84.00					1																1
TOTALS	2	7	14	51	77	147	191	205	254	230	201	184	139	96	64	15	16	9	2	1	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-	WEIGHT	127.28	16.59	1.47*X	-	111.010	14.04	.533
X-	STATURE	162.10	6.00	.19*Y	+	137.920	5.08	

C. A modest relationship: Correlation coefficient = 0.533.

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SUBNASALE LENGTH

MENTON-SUBNASALE LENGTH

LIP LENGTH	4.10	4.30	4.50	4.70	4.90	5.10	5.30	5.50	5.70	5.90	6.10	6.30	6.50	6.70	6.90	7.10	7.30	7.50	TOTALS
5.90									1	1		1							3
5.70									2	1									3
5.50						1	5	4	2	3	3	2	2	2					24
5.30			2	1		6	5	4	6	7	5	3	1	2	1			1	44
5.10	1	2	2	4	5	8	19	18	16	15	20	5	6		1	1			123
4.90		2	4	2	9	17	18	23	20	19	21	9	6	2	2	1			155
4.70		2	2	13	8	23	35	47	35	35	24	19	11	3				1	258
4.50	3	2	6	9	16	35	50	46	51	43	40	21	11	6	2				341
4.30	2	6	3	18	22	49	49	65	56	36	37	14	5	5	5	1			373
4.10		3	6	9	17	39	36	72	59	35	27	15	9	6	4	1			338
3.90		1	3	6	1	12	18	18	19	14	13	5	2	2	1				115
3.70	1			1	6	12	8	18	15	13	8	2	2			1			87
3.50				1		4	3	7	7	2	6			1					31
3.30						1	1		2	2	2		1						9
3.10					1														1
TOTALS	7	18	28	64	85	207	247	322	291	226	206	96	56	29	16	5	0	2	1905

SUMMARY STATISTICS

		MEAN	STD DEV	REGRESSION EQUATIONS			SE-EST	R
Y-	LIP LENGTH	4.38	.42	.06*X	+	4.046	.42	.070
X-	MENTON-SUBNASALE LENGTH	5.54	.51	.09*Y	+	5.147	.51	

D. A negligible, almost non-existent relationship: Correlation
coefficient = 0.070.

Figure 1 (continued). Illustrations of interrelationships of antho-
pometric data (AFW'68 Survey).

8
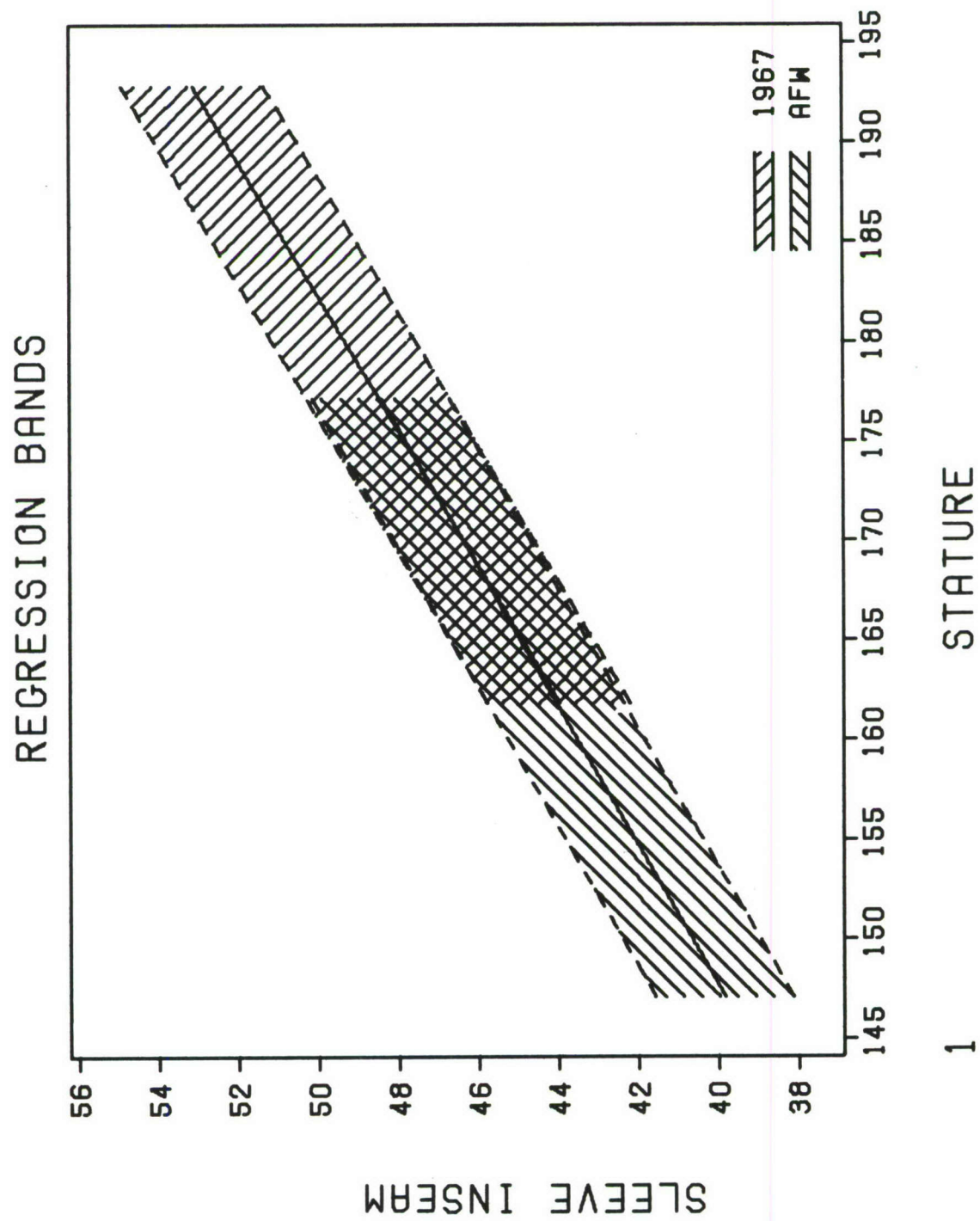
Figure 2. Regression bands.

9
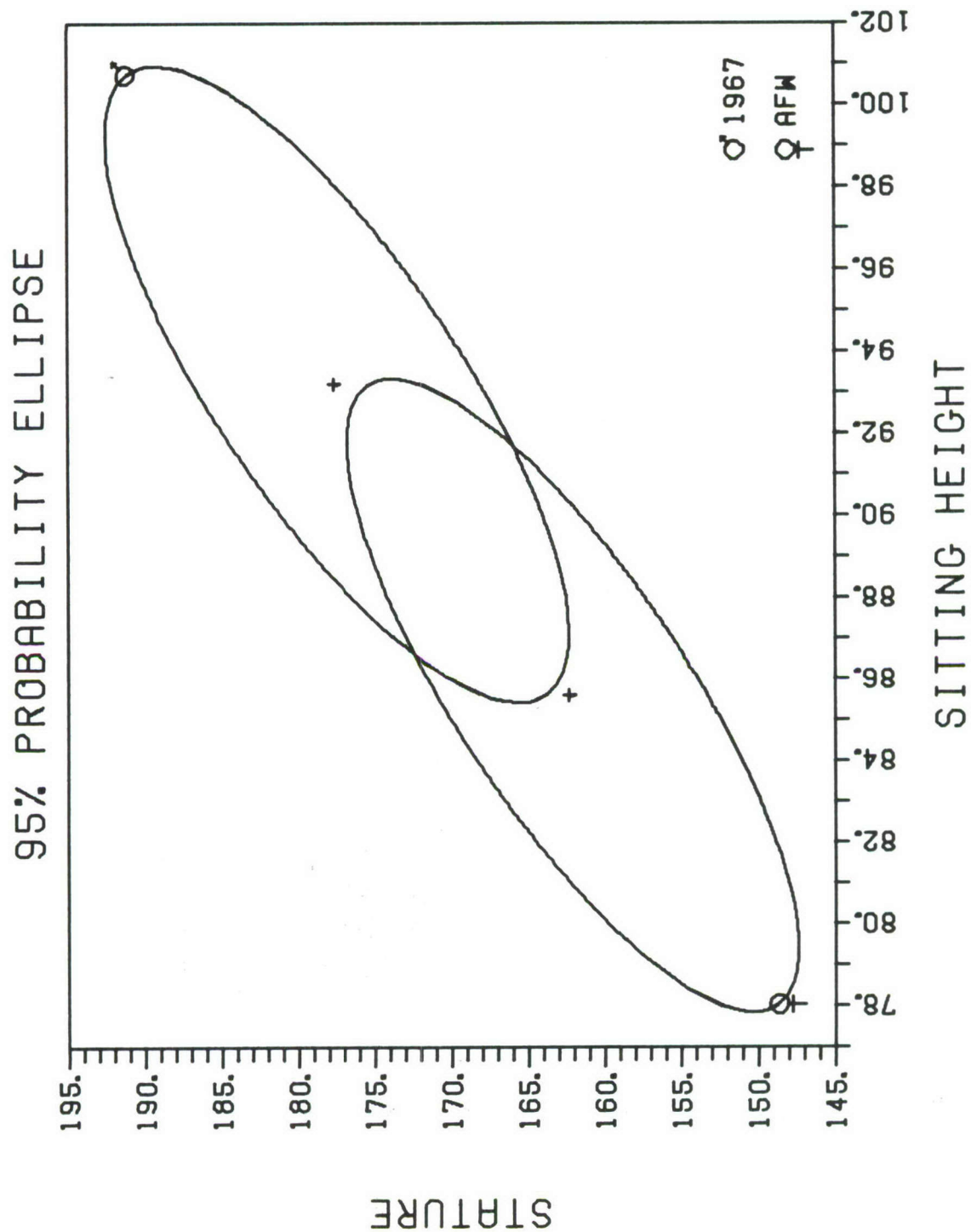
Figure 3. Ninety-five percent probability ellipses.

3. The correlation coefficient plays an important role in the statistics of combinations of variables. The simplest example is that of the sum (or difference) of two variables. The mean of the sum (or difference) is simply the sum (or difference) of the means; the standard deviation, however, involves not only the individual standard deviations but the correlation between the two variables as well:

$$SD_{x \pm y} = \sqrt{SD_x^2 \pm 2r \cdot SD_x \cdot SD_y + SD_y^2}$$

where "r" represents the correlation coefficient. Means, standard deviations, and correlation coefficients for many combinations of statistical variables can be specified exactly in terms of the basic statistics for the individual variables involved. For variables with small coefficients of variation, the statistics for many other combinations can be approximated quite accurately in the same way. A general theorem and some specific examples of the statistics of combinations of variables will be given later.

4. The correlation coefficient frequently appears--often for reasons related to its roles discussed in the last two paragraphs--in a wide variety of formulas such as ones for tests of statistical significance and for discriminant functions. Correlation coefficients are basic to factor analyses and play a number of roles as measures of reliability, of validity, and the like.

Because of their wide usefulness and considerable importance, it is clearly desirable that correlation coefficients be available both to the engineers who need them in solving design problems and to the anthropologists and statisticians, both inside and outside the Department of Defense, whose analysis and understanding of body size data depend so significantly on these coefficients. For this reason it was deemed worthwhile to prepare the present report. Basically, this report is, as it has been entitled, a source book. Its basic content consists of the correlation matrices based on data from seven major surveys of American adults--four surveys of the U. S. Air Force, one of the U. S. Army, the first of the Health Examination surveys of the civilian population, and a survey of law enforcement officers. This report also contains information, both statistical and non-statistical, to facilitate the use of these correlation coefficients.

Reasons for the choice of the seven surveys are given and a small amount of background information supplied for each survey in Section II. Section III provides brief definitions of each of the measurements, summary statistics (means, standard deviations and selected percentiles) and a table to facilitate locating specific measurements in the correlation matrices.

Sections IV through X contain the correlation matrices and additional information about the individual surveys.

Correlation coefficients are listed to four decimal places in Tables IV-XIII to facilitate accurate computations when complex relationships among the coefficients are involved. In the preparation of these tables, some subjects with missing data, and a few variables with numerous omissions, were eliminated; the correlation coefficients and the related univariate statistics reported in Table II were computed for each survey using the data for the same individuals.

The report concludes with four appendices. Appendix A is a glossary of anthropometric terms, particularly those used in the definitions of the measurements (Table I). Appendix B provides tables for determining confidence limits for the correlation coefficients already presented. Appendix C gives the computer programs used in computing both the correlation coefficients and the univariate statistics presented in Section III. The final appendix consists of the Index of Measurements by Anatomical Type and Measurement Technique.

The survey data covered in this report have been transposed into a common format and are available on magnetic computer tapes which may be obtained from the National Technical Information Service (NTIS). A detailed description of these tapes has been reported in Churchill, Edmund, T. Churchill and P. Kikta, 1977, <u>The AMRL Anthropometric Data Bank Library</u>: <u>Volumes I-V</u>, AMRL-TR-77-1, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio. The "Names on Tape" cited in Table III refer to variable names entered on the above-mentioned computer tapes.

Section II

THE DATA SOURCES

The data for this study came from seven surveys. Five of the seven
were large-scale studies of military populations. The remaining two con-
sist of anthropometric studies of adult U. S. civilians and law enforce-
ment officers. The five military surveys were selected from a dozen or
so major military surveys made in the past 30 years; the non-military
surveys, by contrast, constitute the only ones made during this period
on large samples for which the data are available.

The seven surveys are these:

1. The survey of the USAF Flying Personnel made in 1967
    (Grunhofer & Kroh 1975).

2. The survey of the Air Force Women made in 1968
    (Clauser et al. 1972).

3. The basic trainee aspects of a survey of USAF males made in
    1965 (unpublished data).

4. The survey of USAF Flying Personnel made in 1950
    (Hertzberg et al. 1954).

5. The survey of U. S. Army female separatees made in 1946
    (Randall & Munro 1949).

6. The Health Examination Survey of adult civilians made in
    1960-62 (Stoudt et al. 1965).

7. The anthropometric study of law enforcement officers made
    in 1974 (Martin et al. 1975).

The 1967 Flying Personnel (FLY'67) and the Air Force Women (AFW'68)
surveys are the two major anthropometric surveys of U. S. populations made
during the past decade and were selected because they represent the
largest and latest sources of anthropometric data for USAF men and women.
The third survey--the basic trainee aspect of the USAF 1965 survey
(B-T'65)--was selected to provide a contrast to the 1967 Flying Personnel
survey. The subjects in this survey consisted of a group of young men
quite homogeneous with respect to age and generally with only a high
school education. The group included Blacks more or less in proportion
to the number of Blacks in the general population. The members of the
1967 Flying Personnel sample were, by contrast, older, fairly diverse in
age, virtually all college graduates and, in almost all cases, White.

The 1950 Flying Personnel (FLY'50) survey and the Army separatees (WAC'46) survey were chosen partly because they were surveys done 25-30 years ago on groups somewhat similar to the FLY'67 and the AFW'68 samples. A few measurements which had been made in these earlier surveys were not repeated in the 1967 and 1968 surveys; thus, the inclusion of these earlier surveys provides information not given by our studies of the more recent ones. The main reason for including FLY'50 and WAC'46 surveys, however, was to provide a basis for judging the stability of the correlation coefficient. When we obtain substantially equal numerical values from two surveys with somewhat different types of samples, measured, undoubtedly, by slightly different techniques, and at substantially different times, this agreement provides us with some confidence that the computed value represents something "real". The opportunity to compare pairs of matrices will, in addition, occasionally help us answer the question of whether an odd looking value may be an artifact of some quirk in the sample selection or measurement technique.

The Health Examination and Law Enforcement surveys were included in this study because of the desirability of including as much non-military data as possible. The Health Examination Survey data undoubtedly constitute the most important set of body size data obtained on a scientifically selected sample from any major population. These data provide an unusual basis for relating the great mass of military data to the general adult population of this country. About equal numbers of men and women, ranging in age from 18 to 80, were included in this survey. Correlation matrices and summary statistics are reported separately for the two sex groups. Because the age span in this survey was so great and so different from those of the other surveys, the matrices and summary statistics are provided both for the total age span and for the 25-40 year subgroup. The Law Enforcement officer survey sampled a population different in a number of ways from both the general population and the military samples. The data from this survey will provide a further basis for studying the stability of the correlation coefficient from population to population.

Correlation matrices from a few surveys similar to these have been published. The report of the Department of Agriculture's 1939-1940 survey of civilian women contains the matrix for 59 measurements. A matrix based on data collected in the 1970 survey of the U. S. Army aviators is included in Anthropometry of U. S. Army Aviators--1970 (Churchill et al. 1971). The matrix for the 1952 Air Force survey of female basic trainees appears in WAF Trainee Body Dimensions: A Correlation Matrix (Churchill & Bernhardi 1957). The material presented here for the AFW'68 survey was included, in only slightly different form, in Anthropometry of Air Force Women (Clauser et al. 1972).

Brief descriptions of the individual surveys accompany the correlation matrices throughout the report.

Section III

THE MEASUREMENTS

A grand total of almost 275 different measurements were made in one or more of these seven surveys. A mere half dozen of these--stature, weight, sitting height, buttock-knee length, chest circumference, and waist circumference--were made in all the surveys. A considerably larger number (almost 90) was only measured a single time.

All available body size measurements, age, and, for several of the surveys, grip strength and the subjects' reported heights and weights, were used in this study. In the case of a few measurements, data were unavailable for a substantial proportion of a survey sample and the measurements were omitted. The measurements not used consisted of: 13 measurements made in the Air Force Women's survey with the subject wearing a foundation garment and which were available for only about two-thirds of the sample; five measurements made in the Flying Personnel-1950 survey, two of them related to the hairline which were omitted on bald or balding subjects and three measurements introduced into the survey only after it was a third over; and five foot measurements of the WAC-1946 survey deleted because of technical difficulties with the data cards.

Three major tables related to these measurements are presented in this section. Table I (page 20) provides brief definitions of each of the measurements. Table II (page 37) contains univariate statistical summaries for each measurement. The measurements appear in these tables in alphabetic sequence and are numbered in ascending, but usually non-consecutive, order. In the correlation matrix for each survey, on the other hand, the variables are listed in a sequence unique to that survey. Table III (page 58), designated as a "Measurement Locator," is designed to facilitate location of each measurement in the correlation matrices in which it appears, and to minimize the problems created by the fact that some of the measurements had different names in different surveys.

As noted above, the contents of Table I are definitions of the measurements. These definitions should not be interpreted as descriptions of actual measurement techniques. It would be unwise to assume that the measuring techniques were precisely the same in each survey, although the general pattern of the univariate statistics usually shows a considerable level of consistency from survey to survey. For the sake of completeness, we have included here, and in Table II, those measurements from the AFW'68 and the FLY'50 surveys which were omitted from the correlation study because of incomplete data.

To keep the length of Table I within reasonable bounds, we have used several conventions in preparing the definitions; these definitions need to be interpreted in accordance with these conventions:

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A. <u>Position of the Subject</u>. Most of the measurements were made with the subject in one of three positions: standing erect, sitting erect, or standing under the headboard. Only when the subject's position was important and he was measured in a position other than one of these three is the position described in this table. The three basic positions are as follows:

1. Standing, erect. The usual position if no position is specified and the word <u>sitting</u> does not appear either in the measurement name or in the definition:

   The subject stands erect, looking straight ahead (head in the Frankfort plane), heels together, weight distributed equally on both feet, arms hanging naturally at his sides.

2. Sitting, erect. The usual position if the word <u>sitting</u> appears either in or immediately following the measurement name:

   The subject sits erect, looking straight ahead (head in the Frankfort plane), upper arms hanging relaxed, forearms and hands extended forward horizontally, thighs parallel, and the feet resting on a surface adjusted so that the knees are flexed 90°.

3. Headboard measurements. The numerous head and face measurements labelled as "to Wall" or "to Top of Head" were usually made with the headboard except in the FLY'50 survey:

   The subject stands erect under the headboard, looking straight ahead (head in the Frankfort plane). The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head.

B. <u>The Side of the Body</u>. All one-sided measurements were made on the <u>right</u> side of the body, unless the left side is especially specified. This is true in all surveys except the WAC'46 survey in which measurements were made on the left side. Measurements made on the opposite side usually include "II" as part of their name as, for example, Biceps Circumference Flexed, II.

C. <u>Heights, Breadths, Depths, Circumferences, Arcs</u>. Heights, breadths, and depths are straight line measurements made with an anthropometer, calipers, or a similar instrument. Lengths are measured similarly unless the word <u>tape</u> is specified. Circumferences and arcs are tape measurements.

Almost always--and the exceptions are specified--the following definitions are assumed:

1. A <u>standing height</u> is the vertical distance from a specified point on the body to the floor.

2. A <u>sitting height</u> is the vertical distance from a specified body point to either the sitting surface or the footrest surface, as is stated in the definition.

3. A <u>torso breadth</u> is the horizontal distance measured from a specified point on the right side of the body to the same point on the left side.

4. <u>Limb breadths</u> are measured across the limb from its medial to its lateral edge.

5. A <u>torso depth</u> is a horizontal measurement measured in a a sagittal plane from the front to the rear of the body.

6. <u>Torso circumferences</u> are normally measured in a horizontal plane.

7. <u>Limb circumferences</u> are normally measured in a plane perpendicular to the long axis of the relevant limb segment.

D. <u>Anatomical and Other Special Terms</u>. A number of anatomical and other terms which may need clarification are underlined in this table. All these underlined terms are included in the Glossary of Anatomical and Anthropometric Terms (Appendix A). Because of the varied definitions of <u>waist level</u> used in these surveys, this term is underlined here and its location in the various surveys is also included in the glossary.

Table II presents the basic univariate statistics for each variable. These statistics include, from left to right in this table, the arithmetic mean, the standard deviation, the coefficient of variation (the standard deviation expressed as a percent of the mean), measures of skewness (β_1) and kurtosis (β_2), and eleven percentiles: 1st, 2nd, 5th, 10th, 25th, 50th, 75th, 90th, 95th, 98th, and 99th. These statistics were all computed using the "MSDP" computer program which is listed and described in Appendix C and are based on the same data used in the computation of the correlation matrices.

Data for two of these surveys--the WAC survey of 1946 and the Flying Personnel Survey of 1950 have been considerably "modernized"* since the

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* Details are outlined in the descriptions of these surveys which accompany the correlation matrices.

reports of these surveys were prepared and the statistics provided here differ slightly from those originally published.

Because of space considerations, each survey is identified in this table by a very brief designator and the sample sizes are not listed. These designators and sample sizes are as follows:

AFW'68	Air Force Women Survey--1968	N=1905
FLY'67	USAF Flying Personnel Survey--1967	N=2420
B-T'65	USAF Basic Trainees--1965	N=2632
FLY'50	USAF Flying Personnel Survey--1950	N=4000
WAC'46	U.S. Army Female Separatees--1946	N=8118
HEXS-F	Health Examination Survey--Females	N=3581
HEX-F*	Same--Ages 25-40 Years	N=1165
HEXS-M	Health Examination Survey--Males	N=3091
HEX-M*	Same--Ages 25-40 Years	N=1012
LAW EN	Law Enforcement Survey	N=2993

For measurements included in Table II but not in the correlation matrices, the sample sizes are: AFW'68, over-foundation-garment measurements, N=1513; FLY'50, crinion measurements, N=3437, substernale height, penale height, and first phalanx length--digit III, N=2908.

The final element of this chapter, Table III--Measurement Locator, provides the sequence number of each variable in each of the surveys in which it was taken; that is, the number associated with that variable in the correlation matrices and in other publications related to these surveys. Thus, for example, the entry for bideltoid breadth:

	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
122 Bideltoid breadth	64	51	44	39	19		14

indicates that bideltoid breadth is variable 64 in the AFW'68 survey, 51 in the FLY'67 survey, 44 in the B-T'65 survey, 39 in the FLY'50 survey, 19 in the WAC'46 survey, 14 in the Law Enf survey and was not taken in the Health Examination Survey. The underlining of 39, 19, and 14 indicates that a name other than bideltoid breadth was used for this measurement in the FLY'50, the WAC'46, and the Law Enf surveys. From the list of alternate names which appears at the end of Table III, we find that bideltoid breadth was designated as shoulder breadth in these three surveys.

Alternate names are not listed if the difference between the two forms of the name are minor, obvious, and do not seriously affect the alphabetic order. We have dropped the words "Right" and "Left" as part of a measurement name; unilateral measurements made on the normal side--the right side for all surveys except the WAC'46--are designated simply as biceps circumference, flexed, and so forth. Unilateral measurements made on the opposite side are designated by the symbol "II", i.e., biceps circumference, flexed, II.

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Breadth and diameter are considered equivalent, as are circumference and girth, arc and curvature, vertex and top of head, nose and nasal, and often the dash and the word "to".

Additional assistance in locating measurements is provided by the Index by Name, Anatomical Region and Anthropometric Technique (Appendix D). In this index, the measurements are grouped together by type of measurement, part of the body involved, and for many measurements the areas of the beginning and end points of the measurement. Thus, for example, menton-sellion length is listed under lengths, under head and face, under chin, under menton, under sellion, and under nasal root.

TABLE I

DEFINITIONS OF MEASUREMENTS*

6. Abdominal Depth, Sitting. The depth of the abdomen.

8. Abdominal Extension Circumference. The circumference of the lower torso at the level of the maximum anterior protrusion of the abdomen.

9. Abdominal Extension Circumference, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.

10. Abdominal Extension Depth. The depth of the lower torso at the level of the maximum anterior protrusion of the abdomen.

14. Abdominal Extension Depth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.

18. Abdominal Extension Height. The height of the maximum anterior protrusion of the abdomen.

19. Abdominal Extension Height, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.

23. Acromial Height. The height of acromion.

25. Acromial Height, Sitting. The height of acromion above the sitting surface.

30. Acromion to Biceps-Circumference Level Length. The surface distance along the outer edge of the arm from acromion to the biceps circumference level.

39. Acromion-Radiale Length. The distance from acromion to radiale.

48. Age. The age, as of the previous birthday, as reported by the subject, to which 0.5 years was added.

58. Ankle Circumference. The minimum circumference of the leg just above the ankle bones.

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* Underlined terms are defined in Appendix A: A Glossary of Anatomical and Anthropometric Terms.

64. Ankle Height. The height of the level of minimum circumference of the leg.

72. Anterior Neck Length. The surface distance from suprasternale, to the junction, in the midsagittal plane, of the jaw and the neck.

74. Anterior Waist Length. The surface distance from the most anterior point of the lower neck to waist level.

80. Arm Reach from Wall. The distance from the wall to the tip of the middle finger measured with the subject's shoulders against the wall, his hand and arm extended forward.

89. Axillary Arm Circumference. The circumference of the arm measured high in the armpit.

91. Axilla to Waist Length. The surface distance from the armpit to waist level.

93. Back Curvature. The tape distance across the back as measured from the point on the right side in the midaxillary plane at bustpoint level to the similar left point.

97. Ball-of-Foot Circumference. The maximum circumference of the foot measured around the distal ends of the protuberances of the metatarsal bones.

103. Biacromial Breadth. The distance across the shoulders from right to left acromion.

107. Biauricular Breadth. The distance from the lateral point of the right ear to the same point of the left ear.

111. Biceps Circumference Flexed. The maximum circumference around the biceps measured with the arm bent 90°, the upper arm horizontal, and the fist clenched.

112. Biceps Circumference Flexed, II. The previous measurement repeated on the opposite arm.

113. Biceps Circumferences Relaxed. The circumference of the arm at the level of the biceps measured with the arm hanging relaxed.

114. Biceps Circumference Relaxed, II. The previous measurement repeated on the opposite arm.

122. Bideltoid Breadth. The horizontal distance across the maximum lateral protrusions of the right and left deltoid muscles.

126. <u>Bigonial Breadth</u>. The breadth of the jaw across the <u>gonial angles</u>.

130. <u>Biiliocristale Breadth</u>. The breadth of the torso measured between the <u>superior</u> points of the <u>ilia</u> in the <u>midaxillary plane</u>.

134. <u>Bimalleolar Breadth</u>. The distance across the protrusions of the <u>medial</u> and <u>lateral</u> ankle bones.

138. <u>Biocular Breadth</u>. The distance between the outer corners of the eyes.

142. <u>Bitragion Breadth</u>. The breadth of the head as measured from right to left <u>tragion</u>.

144. <u>Bitragion-Coronal Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing over the top of the head.

146. <u>Bitragion-Crinion Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing over crinion.

150. <u>Bitragion-Menton Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing under the tip of the chin.

152. <u>Bitragion-Minimum Frontal Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing across the forehead.

154. <u>Bitragion-Posterior Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing over the base of the skull.

156. <u>Bitragion-Submandibular Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing under the <u>gonial angles</u> of the <u>jaw</u>.

158. <u>Bitragion-Subnasale Arc</u>. The distance from right to left <u>tragion</u> measured with the tape passing just below the nose.

161. <u>Bitrochanteric Breadth</u>. The horizontal distance between the <u>trochanters</u> measured with the flesh compressed.

165. <u>Bizygomatic Breadth (Face Breadth)</u>. The breadth of the face measured across the most laterally projecting protrusions of the <u>temporal</u> bones.

169. <u>Bust Depth</u>. The horizontal distance from the subject's back to the tip of her bra.

172. <u>Bustpoint-Bustpoint Breadth</u>. The distance between the points of the bra.

174. <u>Bustpoint Height</u>. The height of the point of the bra.

178. <u>Buttock Circumference</u>. The circumference of the body measured at the level of the maximum posterior protuberance of the buttocks.

179. <u>Buttock Circumference, Sitting</u>. The circumference of the buttocks measured with the tape passing under the buttocks and brought up diagonally across the lap.

180. <u>Buttock Circumference, Sitting, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

183. <u>Buttock Depth</u>. The depth of the torso at the level of the maximum <u>posterior</u> protrusion of the buttock.

185. <u>Buttock Depth, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

188. <u>Buttock Height</u>. The height of the maximum <u>posterior</u> protrusion of the buttock.

194. <u>Buttock-Knee Length, Sitting</u>. The horizontal distance from the rearmost surface of the buttocks to the front of the kneecaps.

197. <u>Buttock-Leg Length</u>. The distance from the base of the heel to a wall against which the subject sits erect with his leg extended maximally forward along the sitting surface.

200. <u>Buttock-Popliteal Length, Sitting</u>. The horizontal distance from the rearmost surface of the buttock to the back of the lower leg.

207. <u>Calf Circumference</u>. The maximum circumference of the lower leg.

209. <u>Calf Circumference, II</u>. The previous measurement repeated on the opposite leg.

215. <u>Calf Height</u>. The height of the level of the maximum circumference of the lower leg.

219. <u>Cervicale Height</u>. The height of <u>cervicale</u>.

223. <u>Chest Breadth</u>. The breadth of the torso measured at nipple level.

227. <u>Chest Breadth (Bone)</u>. The breadth of the torso at nipple level measured with pressure.

230. <u>Chest Circumference</u>. The circumference of the torso measured at nipple level.

231. <u>Chest Circumference at Scye</u>. The circumference of the torso at the level of the armpit.

232. <u>Chest Circumference Below Bust</u>. The circumference of the chest just below the cups of the bra.

236. <u>Chest Depth</u>. The depth of the torso measured at nipple level.

237. <u>Chest Depth at Scye</u>. The depth of the torso measured at <u>scye</u> level.

241. <u>Chest Height</u>. The height of the center of the nipple.

245. <u>Chin Prominence to Wall</u>. The distance from the most <u>anterior</u> protrusion of the chin to <u>wall</u>.

249. <u>Crotch Height</u>. The height of the midpoint of the crotch.

252. <u>Crotch Length</u>. The distance from the midpoint of the anterior <u>waist level</u> to <u>waist level</u> above the right buttock measured with the tape passing through the crotch and over the maximum protrusion of the right buttock.

265. <u>Dactylion Height</u>. The height of the tip of the middle finger measured with the arm, hand, and fingers extended downward.

269. <u>Deltoid Arc</u>. The surface distance from <u>acromion</u> to the point, just below the <u>deltoid</u>, where the muscle disappears from view.

273. <u>Dorsal Hand Skinfold</u>. The thickness of a skinfold picked up at the middle of the back of the hand and following the long axis of the hand.

277. <u>Ear Breadth</u>. The breadth of the ear measured perpendicular to its long axis.

280. <u>Ear Length</u>. The maximum length of the ear as measured along the long axis.

282. <u>Ear Length Above Tragion</u>. The distance along the long axis of the ear from <u>tragion</u> to the level of the upper tip of the ear.

285. <u>Ear Protrusion</u>. The horizontal distance from the bony eminence directly behind the ear to the most <u>lateral</u> protrusion of the ear.

287. <u>Ectocanthus to Otobasion</u>. The distance from the outer corner of the eye to <u>otobasion</u> <u>superior</u>.

289. <u>Ectocanthus to Top of Head</u>. The distance from the outer corner of the eye to the level of the top of the head.

291. <u>Ectocanthus to Wall</u>. The distance from the outer corner of the eye to <u>wall</u>.

293. <u>Elbow Breadth (Humeral Breadth)</u>. The distance between the <u>medial</u> and <u>lateral</u> <u>epicondyles</u> of the <u>humerus</u> measured with the flesh compressed.

297. <u>Elbow Breadth (Humeral Breadth), II</u>. The previous measurement repeated on the opposite elbow.

300. <u>Elbow Circumference, Flexed</u>. The circumference of the elbow measured over its tip and through its crotch with the arm bent 90°, the upper arm horizontal, and the fist clenched.

303. <u>Elbow Circumference, Relaxed</u>. The circumference of the elbow measured with the tape passing over the tip of the elbow.

309. <u>Elbow Height</u>. The height of <u>radiale</u>.

312. <u>Elbow Rest Height, Sitting</u>. The height of the bottom of the tip of the elbow above the sitting surface with the arm bent to 90°.

318. <u>Elbow-Elbow Breadth</u>. The distance across the <u>lateral</u> surfaces of the elbows measured with the elbows flexed and resting lightly against the body.

322. <u>Elbow-Grip Length</u>. The distance from the tip of the bent elbow to the center of the clenched fist.

324. <u>Elbow-Wrist Length</u>. The distance from the tip of the elbow to the tip of the <u>styloid process of the radius</u>.

328. <u>Eye Height</u>. The height of the inner corner of the eye.

330. <u>Eye Height, Sitting</u>. The height of the inner corner of the eye above the sitting surface.

334. <u>Femoral Breadth (Knee Breadth), Sitting</u>. The breadth, as measured with firm pressure, across the <u>epicondyles</u> of the <u>femur</u>.

336. <u>Femoral Breadth (Knee Breadth), Sitting, II</u>. The previous measurement repeated on the opposite knee.

340. <u>Fibular Height</u>. The height of the superior tip of the <u>fibula</u>.

344. <u>Finger Diameter at Metacarpale III</u>. The diameter of the middle finger as determined by the smallest hole in which the finger can be inserted.

348. <u>First Phalanx Length--Digit III</u>. The length of the first segment of the middle finger measured across the surfaces of the third <u>metacarpal</u> and the second <u>phalanx</u> while the hand is held in a fist.

352. <u>Fist Circumference</u>. The circumference of the clenched fist (the thumb lying across the end of the fist) measured with the tape passing over the thumb and the knuckles.

356. Foot Breadth (Ball-of-Foot Breadth). The maximum breadth of the foot as measured at right angles to its long axis.

362. Foot Length. The length of the foot measured parallel to its long axis.

369. Forearm Circumference, Flexed. The maximum circumference of the lower arm measured with the arm bent, the upper arm horizontal, and the fist clenched.

370. Forearm Circumference, Relaxed. The maximum circumference of the lower arm.

378. Forearm - Forearm Breadth. The distance across the tissue mass of the forearm measured with the elbows flexed and resting lightly against the body.

381. Forearm-Hand Length, Sitting. The distance from the tip of the elbow to the tip of the longest finger.

385. Forefinger Length. The distance from the skinfold at the base of the thumb to the tip of the forefinger measured along the axis of the finger and with the thumb extended away from the hand.

389. Glabella to Top of Head. The distance from the most anterior point of the forehead between the brow ridges to the level of the top of the head.

391. Glabella to Wall. The distance from the most anterior point of the forehead between the brow ridges to wall.

395. Gluteal Arc. The surface distance over the buttock from the gluteal furrow to waist level.

398. Gluteal Furrow Height. The height of the furrow where the gluteal curve intersects the back of the thigh.

402. Grip Diameter-Inside. The diameter of the widest level of a cone which the subject can grasp with his thumb and middle finger touching.

404. Grip Diameter-Outside. The distance between the joint of the first and second phalanges of the thumb and the knuckle of the middle finger measured with the hand held as for grip diameter-inside.

407. Grip Strength. Strength as measured on a Smedley dynamometer.

409. Halfway-to-Hip Circumference. The circumference of the torso at a level halfway between waist level and the level of the trochananters.

411. <u>Hand Breadth</u>. The breadth of the hand as measured across the <u>distal</u> ends of the <u>metacarpal</u> bones II and IV.

413. <u>Hand Breadth Across Thumb</u>. The breadth of the hand measured at the level of the <u>distal</u> end of the first metacarpal of the thumb.

416. <u>Hand Circumference</u>. The circumference of the hand measured around the <u>distal</u> ends of the <u>metacarpal</u> bones II and IV.

417. <u>Hand Circumference Across Thumb</u>. The circumference of the hand measured in a plane at right angles to the long axis of the hand, with the tape passing over the <u>proximal</u> joint of the thumb.

420. <u>Hand Length</u>. The distance from the base of the hand to the top of the middle finger measured along the long axis of the hand.

423. <u>Hand Thickness (Thickness at Metacarpale III)</u>. The thickness of the <u>metacarpal-phalangeal joint</u> of the middle finger.

427. <u>Head Breadth</u>. The maximum horizontal breadth of the head measured above the level of the ears.

430. <u>Head Circumference</u>. The maximum circumference of the head measured with the tape passing above, but not including, the <u>brow ridges</u>.

433. <u>Head Diagonal-Inion to Pronasale</u>. The transverse distance from the tip of the nose to <u>inion</u>.

437. <u>Head Diagonal-Maximum from Menton to Occiput</u>. The maximum transverse distance from the tip of the chin to the back of the head.

438. <u>Head Diagonal-Maximum from Nuchale</u>. The maximum transverse distance from the lowest point palpable at the base of the skull to the tip of the nose.

441. <u>Head Length</u>. The maximum length of the head as measured from <u>glabella</u> to the back of the head.

445. <u>Heel-Ankle Circumference</u>. The distance measured around the foot with the tape passing under the tip of the heel and over the instep at the junction of the foot and leg.

450. <u>Heel Breadth</u>. The maximum breadth of the heel.

457. <u>Hip Breadth</u>. The maximum breadth of the lower torso.

459. <u>Hip Breadth, Sitting</u>. The breadth of the body as measured across the widest portion of the hips.

461. Hip Breadth, Over Foundation Garment. The previous measurement repeated with the subject wearing a foundation garment.

465. Hip Circumference at Trochanterion. The circumference of the torso measured at the level of the trochanterions.

466. Hip Circumference 7" Below Waist. The circumference of the lower torso measured at a level 7" below waist level.

468. Hip Circumference 9" Below Waist. The circumference of the lower torso measured at a level 9" below waist level.

470. Hip Circumference 7" Below Waist Level, Over Foundation Garment. The circumference of the lower torso at a level of 7" below waist level measured with the subject wearing a foundation garment.

472. Hip Circumference 9" Below Waist Level, Over Foundation Garment. The circumference of the lower torso at a level 9" below waist level measured with the subject wearing a foundation garment.

489. Iliocristale Height. The height of the top of the ilium in the midaxillary plane.

493. Instep Circumference. The vertical circumference of the instep measured with the tape passing under the foot and over the junction of the leg and foot.

496. Instep Length. The distance from the plane of the heel to the point of maximum medial protuberance of the foot.

500. Interocular Breadth. The distance between the inner corners of the eyes.

503. Interpupillary Breadth. The distance between the centers of the pupils.

506. Interscye. The tape distance across the back between the posterior axillary folds at the lower level of the armpits measured with the subject sitting erect.

507. Interscye, Maximum. The tape distance across the back between the scye points measured with the subject sitting erect with his arms extended forward and horizontal.

508. Interscye, II. The tape distance across the back between the posterior axillary folds at the lower level of the armpits measured with the subject sitting with his hands on his knees.

509. Interscye, Maxiumm, II. The tape distance across the back between the scye points measured with the subject standing, torso bent forward from the waist at an angle of about 90° and arms hanging relaxed.

511. Juxtanipple Skinfold. The thickness of a skinfold picked up just superior to the nipple and parallel to the lateral margin of the pectoral muscle.

515. Knee Circumference. The circumference of the knee measured at the level of the midpoint of the patella.

517. Knee Circumference, Sitting. The maximum circumference of the right knee as measured with a tape passing over the popliteal area and brought up at 45° over the knee.

527. Knee Height. The height of the midpoint of the kneecap.

529. Knee Height, Sitting. The height, from the footrest surface, of the musculature just above the knee.

532. Knee-to-Knee Breadth, Sitting. The maximum horizontal distance across the lateral surfaces of the knees measured with the knees gently touching.

539. Larynx to Wall. The distance from the most anterior portion of the "Adam's apple" to wall.

543. Lateral Malleolus Height. The height of the most lateral projecting point of the lateral ankle bone.

547. Lip Length. The distance between the corners of the mouth measured while the facial muscles are relaxed.

549. Lip Length, Smiling. The distance between the corners of the mouth measured while the subject smiles broadly.

552. Lip Protrusion to Wall. The distance from the most anterior point of the lips to wall.

555. Lip-to-Lip Length. The distance, in the midsagittal plane, from the lower margin of the lower lip to the upper margin of the upper lip.

561. Lower Thigh Circumference. The circumference of the leg measured just above the knee.

569. Maximum Frontal Breadth. The breadth of the forehead as measured between the maximum bulges of the brow ridges at about the ends of the eyebrows.

572. <u>Maximum Reach from Wall</u>. The distance from the <u>wall</u> to the tip of the middle finger measured with the subject's back and left shoulder pressed against the wall, his right shoulder thrust as far forward as possible and his arm and hand extended horizontally.

576. <u>Medial Calf Skinfold</u>. The thickness of a skinfold on the <u>medial</u> surface of the calf at the level of the maximum circumference picked up parallel to the long axis of the lower leg, measured with the knee flexed about 90 degrees.

579. <u>Medial Malleolus Height</u>. The height of the most medially projecting point of the <u>medial</u> ankle bone.

583. <u>Menton-Crinion Length</u>. The distance from the bottom surface of the chin to the midpoint of the hairline. Omitted on the bald and balding.

585. <u>Menton Projection</u>. The distance from the most forward point of the chin to the juncture of the neck and the bottom of the jaw.

586. <u>Menton-Sellion Length</u>. The distance from the tip of the chin to the deepest point of the <u>nasal root depression</u>.

592. <u>Menton-Subnasale Length</u>. The distance from the lower edge of the tip of the chin to the base of the <u>nasal septum</u>.

595. <u>Menton to Top of Head</u>. The distance from the lower edge of the tip of the chin to the level of the top of the head.

597. <u>Menton to Wall</u>. The distance from the tip of the chin to <u>wall</u>.

601. <u>Metacarpale-III Height</u>. The height of the knuckle where the middle finger joins the palm.

606. <u>Midaxillary-Line-at-Xiphoid Level Skinfold</u>. The thickness of a skinfold picked up at <u>xiphoid</u> level in the <u>midaxillary line</u>.

612. <u>Midshoulder Height, Sitting</u>. The height above the sitting surface of the point on the shoulder halfway between the neck and <u>acromion</u>.

615. <u>Midthigh Circumference</u>. The circumference of the upper leg in a plane midway between the lowest point in the crotch and <u>tibiale</u>.

616. <u>Minimum Frontal Arc</u>. The minimum distance across the <u>temporal crests</u> between their points of maximum indentation.

618. <u>Minimum Frontal Breadth</u>. The breadth of the forehead across the <u>lateral</u> bony ends of the <u>brow ridges</u>.

622. <u>Nasal Breadth</u>. The maximum breadth of the nose.

625. <u>Nasal Root Breadth</u>. The breadth of the nasal root.

629. <u>Nasal Root Height</u>. The height of the deepest point in the <u>nasal root depression</u>.

636. <u>Neck-Bustpoint Length</u>. The distance from the intersection of the neck and shoulder to the tip of the bra measured with the tape held tense and not following the body contour.

637. <u>Neck-Cervicale Length</u>. The tape distance from <u>cervicale</u> to the <u>superior</u> point of the junction of the neck and <u>shoulder</u>.

638. <u>Neck-Waist Length</u>. The tape distance from the <u>superior</u> point of the junction of the neck and shoulder to <u>waist level</u> measured over the front of the body.

639. <u>Neck Circumference</u>. The maximum circumference of the neck, including the Adam's apple.

649. <u>Nose Length</u>. The distance from <u>sellion</u> to the bottom of the nose.

652. <u>Nose Protrusion</u>. The maximum <u>anterior</u> protrusion of the nose.

656. <u>Palm Length</u>. The distance from the base of the hand to the furrow where the middle finger folds upon the palm.

663. <u>Patella Bottom Height</u>. The height of the bottom edge of the kneecap.

666. <u>Patella Top Height</u>. The height of the top edge of the knee cap.

670. <u>Penale Height</u>. The height of the upper edge of the junction of the penis with the abdomen.

674. <u>Philtrum Length</u>. The distance from the edge of the upper membranous lip to the base of the <u>nasal septum</u>.

678. <u>Popliteal Height, Sitting</u>. The height of the underside of the upper leg above the footrest surface.

686. <u>Posterior Neck Length</u>. The surface distance from <u>nuchale</u> at the base of the skull to <u>cervicale</u>.

692. <u>Pronasale to Top of Head</u>. The distance from the tip of the nose to the level of the top of the head.

694. <u>Pronasale to Wall</u>. The distance from the tip of the nose to <u>wall</u>.

698. <u>Radiale-Stylion Length</u>. The distance from <u>radiale</u> to <u>stylion</u> measured parallel to the long axis of the freely hanging lower arm.

702. Sagittal Arc. The distance over the top of the head from glabella (between the brow ridges) to nuchale at the base of the skull.

706-731.
Scrotale to Measurements. Tape measurements made, both sitting and standing, over the front of the body from scrotale, the midpoint of the crotch, to waist level, suprasternale, scye level and midshoulder, and over the back of the body, from scrotale to waist level, cervicale, scye level, and midshoulder. Measurements were also made with the tape passing over the buttock from scrotale to waist level and midshoulder.

735. Scye Circumference. The circumference of the scye, measured in a vertical plane, as high as possible in the armpit and passing over acromion.

739. Sellion to Top of Head. The distance from the deepest point in the nasal root depression to the level of the top of the head.

741. Sellion to Wall. The distance from the deepest point in the nasal root depression to wall.

747. Shoulder Circumference. The circumference of the shoulders measured at the level of the greatest lateral protrusions of the deltoid muscles.

751. Shoulder-Elbow Length. The vertical distance from acromion to the bottom of the elbow, measured with the elbow bent 90° and the lower arm held horizontal.

754. Shoulder Length. The surface distance from acromion at the end of the shoulder blade, to the junction of the shoulder and the neck.

758. Sitting Height. The height, from the sitting surface, to the top of the head.

760. Sitting Height, Relaxed. The height, from the sitting surface, of the head, measured with the subject sitting relaxed.

764. Sleeve Inseam. The distance from the anterior edge of the armpit to the base of the thumb.

768. Sleeve Length Segment: Spine to Elbow. The distance from the midline of the spine to the tip of the elbow, measured with the arm positioned for sleeve length.

770. Sleeve Length Segment: Spine to Scye. The distance from the midline of the spine to scye measured with the arms positioned for sleeve length.

772. Sleeve Length: Spine to Wrist. The surface distance from the midline of the spine to the ulnar styloid process measured with the arms held horizontal, the elbows bent between 60° and 90°, and the fists touching.

797. Span. The distance between the tips of right and left middle fingers when the subject's arms are maximally extended laterally.

801. Sphyrion Height. The height of sphyrion.

805. Stature. The height of the top of the head.

808. Stature as Reported. The height is given by the subject immediately prior to being measured.

811. Stature, Maximum. The height of the top of the head measured when the subject has, after taking a deep breath, maximally extended himself vertically while keeping his feet flat on the floor.

815. Stomion to Top of Head. The distance from the point of contact of the lips in the midsagittal plane to the level of the top of the head.

821. Strap Length. The distance from one bra tip to the other as measured with the tape passing over the back of the neck, the tape being held tense and not following the body contour.

825. Subnasale-Sellion Length. The distance from the base of the nasal septum to the deepest point of the nasal root depression.

827. Subnasale to Top of Head. The distance from the base of the nasal septum to the plane of the top of the head.

829. Subnasale to Wall. The distance from the base of the nasal septum to wall.

833. Subscapular Skinfold. The thickness of a skinfold picked up just below the inferior angle of the right scapula and parallel to the tension lines of the skin.

834. Subscapular Skinfold-II. The previous measurement repeated on the opposite side.

837. Substernale Height. The height of the midpoint of the lower edge of the breast bone.

840. Sum of Skinfolds. The sum of triceps and subscapular skinfold measurements.

841. Suprasternale Height. The height of the lowest point of the notch in the upper edge of the breast bone.

844. Suprailiac Skinfold. The thickness of a skinfold picked up in the mid-axillary line at the level of the crest of the ilium.

845. Suprailiac Skinfold-II. The previous measurement repeated on the opposite side.

848. Suprapatella Skinfold. The thickness of a skinfold picked up on the lower thigh above the patella.

852. Thigh Circumference. The circumference of the upper leg measured as high in the crotch as possible.

853. Thigh Circumference, Sitting. The circumference, in a plane perpendicular to the long axis of the upper leg, of the thigh as measured as high in the crotch as possible.

856. Thigh Clearance, Sitting. The height of the highest point of the thigh above the sitting surface.

859. Thigh-Thigh Breadth, Sitting. The maximum breadth across the thighs.

860. Thigh-Thigh Breadth, Sitting, Over Foundation Garment. The previous measurement repeated with subject wearing a foundation garment.

867. Thumb-Tip Reach. The distance from the wall to the tip of the thumb measured with the subject's shoulders against the wall, his arm extended forward, and his index finger touching the tip of his thumb.

869. Thumb-Tip Reach, Extended. Similar to thumb-tip reach, except that the right shoulder is extended as far as possible while keeping the left shoulder firmly against the wall.

873. Tibiale Height. The height of the proximal medial margin of the tibia.

877. Tragion Height. The height of tragion.

882. Tragion to Top of Head. The distance from tragion to the level of the top of the head.

884. Tragion to Wall. The distance from tragion to wall.

888. Triceps Skinfold. The thickness of a skinfold on the back of the arm halfway between acromion and the tip of the elbow, picked up parallel to the long axis of the upper arm.

890. Triceps Skinfold-II. The previous measurement repeated on the opposite side.

894. <u>Trochanterion Height</u>. The height of <u>trochanterion</u>.

896. <u>Trunk Depth</u>. The depth of the chest below the bust or that of the abdomen, whichever is the larger.

898. <u>Trunk Height, Sitting</u>. The height of <u>suprasternale</u> above the sitting surface.

911. <u>Vertical Grip Reach</u>. The height of a pointer held horizontally in the subject's fist when the arm is maximally extended upward.

916. <u>Vertical Trunk Circumference</u>. The circumference of the torso measured with the tape passing diagonally across the front of the body from the midpoint of the shoulder to the crotch, through the crotch, over the <u>posterior</u> protuberance of the buttock and along the small of the back.

917. <u>Vertical Trunk Circumference, Sitting</u>. The previous measurement repeated with the subject seated.

921. <u>Waist Back</u>. The surface distance, along the spine, from <u>waist level</u> to <u>cervicale</u>, to the tip of the 7th cervical vertebra.

924. <u>Waist Breadth</u>. The breadth of the torso at <u>waist level</u>.

928. <u>Waist Breadth, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

931. <u>Waist Circumference</u>. The circumference of the torso at <u>waist level</u>.

932. <u>Waist Circumference, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

933. <u>Waist Circumference, Sitting</u>. The circumference of the torso at <u>waist level</u>.

939. <u>Waist Depth</u>. The depth of the torso at <u>waist level</u>.

943. <u>Waist Depth, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

946. <u>Waist Front</u>. The surface distance in the <u>midsagittal plane</u> from <u>waist level</u> to <u>suprasternale</u>.

949. <u>Waist Height</u>. The height of <u>waist level</u>.

951. <u>Waist Height, Sitting</u>. The height from the sitting surface of the <u>waist level</u>.

953. <u>Waist Height, Sitting, Over Foundation Garment</u>. The previous measurement repeated with the subject wearing a foundation garment.

957. <u>Weight</u>. The nude, or essentially nude, weight (except for the HEX survey).

960. <u>Weight as Reported</u>. Weight as reported by the subject immediately prior to being measured.

964. <u>Wrist Breadth</u>. The distance between the radial and ulnar <u>styloid processes</u> of the wrist measured with the flesh compressed.

967. <u>Wrist Circumference</u>. The circumference of the wrist at a level just proximal to the ulnar styloid process.

973. <u>Wrist Height</u>. The height of <u>stylion</u>.

TABLE II-A
UNIVARIATE SUMMARY STATISTICS FOR
THE 1968 SURVEY OF AIR FORCE WOMEN

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 AGE	23.43	6.45	23.43	6.45	27.5%	2.09	7.20	1905	17.8	18.0	18.3	18.6	19.1	20.9	24.2	27.8	33.0	38.9	46.2
2 WEIGHT	57.73	7.52	127.28	16.59	13.0%	.64	3.86	1905	43.5	46.5	48.6	50.1	52.5	57.1	62.2	65.2	67.4	71.1	79.4
3 TRICEPS SKINFOLD	1.90	.54	.75	.21	28.6%	.51	3.82	1905	.6	.8	.9	1.1	1.3	1.9	2.4	2.6	2.6	3.2	3.8
4 SUBSCAPULAR SKINFO	1.29	.48	.51	.19	37.7%	1.35	5.30	1905	.6	.7	.8	.8	.9	1.2	1.5	1.8	1.9	2.2	2.9
5 SUPRAILIAC SKINFLD	1.97	.70	.78	.28	35.6%	.47	3.30	1905	.6	.9	1.1	1.3	1.6	1.9	2.4	2.7	2.9	3.2	3.8
6 MEDIAL CALF SKINFO	1.59	.52	.63	.20	32.4%	.16	3.60	1905	.6	.8	1.0	1.1	1.3	1.6	1.9	2.1	2.3	2.5	2.9
7 STATURE	162.10	6.00	63.82	2.36	3.7%	.16	2.77	1905	149.5	152.4	154.3	155.7	157.8	162.0	166.1	168.4	169.9	172.9	177.7
8 STATURE, MAXIMUM	162.75	6.02	64.07	2.37	3.7%	.16	2.80	1905	149.8	152.8	154.8	156.1	158.4	162.6	166.6	168.9	170.6	172.6	177.4
9 CERVICALE HEIGHT	139.20	5.52	54.80	2.17	4.0%	.14	2.78	1905	127.4	130.5	132.7	133.9	135.5	139.1	142.9	145.0	146.4	148.5	152.4
10 ACROMIAL HEIGHT	131.86	5.48	51.91	2.16	4.2%	.14	2.78	1905	120.0	122.9	124.7	126.0	127.9	131.7	135.6	137.8	139.2	141.4	144.9
11 SUPRASTERNALE HGHT	132.00	5.30	51.97	2.09	4.0%	.15	2.80	1905	120.5	123.2	126.1	126.3	128.2	131.8	135.6	137.5	139.1	140.9	144.8
12 BUST POINT HEIGHT	118.32	5.21	46.58	2.05	4.4%	.20	3.01	1905	106.8	110.1	111.7	112.9	114.6	118.1	121.8	123.9	125.3	127.4	131.4
13 WAIST HEIGHT	100.28	4.50	39.48	1.77	4.5%	.15	2.86	1905	90.6	93.0	94.4	95.5	97.1	100.1	103.3	105.0	106.1	107.9	111.3
14 ABDOMINAL EXT HGT	93.15	4.42	36.67	1.74	4.7%	.15	2.89	1905	83.3	85.9	87.8	88.5	90.0	93.0	96.2	97.9	99.1	100.8	104.1
15 TROCHANTERIC HGHT	82.67	4.27	32.55	1.68	5.2%	.12	2.80	1905	73.1	75.6	77.1	78.1	79.7	82.6	85.7	87.1	88.2	89.9	93.3
16 BUTTOCK HEIGHT	82.21	4.16	32.37	1.64	5.1%	.09	3.03	1905	73.0	75.3	76.7	77.7	79.2	82.1	85.1	86.7	87.7	89.3	92.2
17 GLUTEAL FURROW HGT	72.70	3.96	28.62	1.56	5.4%	.15	3.01	1905	64.1	66.3	67.7	68.5	69.9	72.5	75.4	76.8	78.0	79.5	82.3
18 TIBIALE HEIGHT	41.98	2.38	16.53	.94	5.7%	.22	3.01	1905	36.8	38.2	38.9	39.5	40.3	41.9	43.5	44.5	45.1	46.1	48.1
19 CROTCH HEIGHT	74.50	4.03	29.33	1.59	5.4%	.17	3.00	1905	65.5	68.0	69.3	70.3	71.7	74.4	77.3	78.8	79.9	81.5	84.3
20 ANKLE HEIGHT	11.19	1.35	4.40	.53	12.1%	.43	2.96	1905	8.7	9.2	9.5	9.8	10.2	11.1	12.1	12.7	13.0	13.6	14.7
21 LAT''L MALLEOLUS HT	6.77	.59	2.67	.23	8.7%	.04	3.23	1905	5.3	5.8	6.0	6.2	6.4	6.8	7.2	7.4	7.6	7.8	8.3
22 SITTING HT,RELAXED	84.28	3.25	33.18	1.28	3.9%	.05	2.87	1905	78.5	80.0	80.8	82.0	82.4	84.3	86.5	87.7	88.5	89.7	92.0
23 SITTING HEIGHT	85.60	3.17	33.70	1.25	3.7%	.08	2.85	1905	78.5	80.4	81.5	82.2	83.4	85.7	87.8	89.0	89.8	91.0	93.1
24 EYE HEIGHT,SITTING	73.70	3.06	29.02	1.20	4.1%	.09	2.92	1905	66.7	68.7	69.8	70.5	71.6	73.7	75.8	76.9	77.7	78.9	81.2
25 MIDSHOULDER HT,SIT	58.00	2.66	22.83	1.05	4.6%	.17	2.98	1905	52.2	53.7	54.6	55.2	56.1	57.9	59.8	60.8	61.5	62.5	65.1
26 WAIST HGHT,SITTING	23.37	1.73	9.20	.68	7.4%	-.01	2.82	1905	19.2	20.5	21.1	21.5	22.2	23.4	24.5	25.2	25.6	26.2	27.5
27 ELBOW REST HEIGHT	22.71	2.46	8.94	.97	10.8%	.08	3.70	1905	17.3	18.7	19.5	20.1	21.0	22.7	24.3	25.3	26.0	27.0	28.8
28 POPLITEAL HEIGHT	41.05	1.86	16.16	.73	4.5%	-.03	3.07	1905	36.1	37.6	38.5	39.2	39.8	41.0	42.4	42.9	43.4	44.2	45.9
29 BUTTOCK-POPLIT''L L	47.11	2.76	18.78	1.09	5.8%	.32	2.83	1905	41.9	43.4	44.2	44.8	45.7	47.5	49.5	50.6	51.4	52.6	54.9
30 BUTTOCK-KNEE LNGTH	57.43	2.63	22.61	1.04	4.6%	.12	3.02	1905	51.6	53.2	54.1	54.7	55.6	57.3	59.2	60.3	61.0	62.0	63.7
31 ACROMION-RADIALE L	31.01	1.63	12.21	.64	5.2%	-.02	3.03	1905	27.4	28.3	28.9	29.3	29.9	31.0	32.1	32.7	33.1	33.6	34.7
32 RADIALE-STYLION L	23.39	1.37	9.21	.54	5.8%	.14	3.00	1905	20.3	21.2	21.6	22.0	22.4	23.3	24.3	24.8	25.2	25.7	26.9
33 THUMB-TIP REACH	74.13	3.88	29.19	1.53	5.2%	.04	2.85	1905	65.3	69.1	70.8	71.5	72.8	74.1	76.1	77.8	78.1	80.5	83.2
34 THUMB-TIP,EXTENDED	83.63	4.88	33.01	1.92	5.8%	.20	2.67	1905	73.2	76.0	77.6	78.7	80.4	83.7	87.1	89.0	90.3	92.3	96.1
35 OVERHEAD REACH	199.23	8.56	78.44	3.37	4.3%	.07	3.10	1905	181.0	185.1	187.9	189.3	193.1	199.2	205.3	208.4	210.4	213.4	218.6
36 NECK CIRCUMFERENCE	33.75	1.68	13.29	.66	5.0%	.30	3.40	1905	30.2	31.5	32.0	32.6	33.0	33.7	35.9	36.7	38.2	40.3	42.3
37 SHOULDER CIRCUMFER	100.41	5.14	39.53	2.02	5.1%	.50	3.66	1905	90.2	92.6	94.0	95.1	96.1	100.3	103.6	105.6	107.1	109.4	114.7
38 CHEST CIRC AT SCYE	84.25	4.96	33.17	1.95	5.9%	.61	3.87	1905	74.3	76.9	78.3	79.3	80.8	83.8	87.2	89.2	90.8	93.3	98.9
39 BUST CIRCUMFERENCE	89.73	5.70	35.33	2.24	6.4%	.74	3.87	1905	76.9	81.6	83.1	84.5	86.9	89.2	93.0	95.7	97.3	100.3	106.6
40 CHEST C BELOW BUST	74.33	4.87	29.26	1.92	6.5%	.68	4.36	1905	64.7	67.1	68.5	69.4	70.9	73.8	77.2	79.2	80.7	83.2	88.6
41 WAIST CIRCUMFERNCE	67.20	5.48	26.46	2.16	8.1%	.88	3.93	1905	57.4	59.5	60.8	61.8	63.3	66.5	70.3	72.6	74.4	77.3	84.1
42 ABDOMINAL EXT CIRC	85.64	7.28	33.72	2.87	8.5%	.65	3.93	1905	71.4	74.4	76.9	78.3	80.6	85.0	89.9	92.8	95.0	98.6	107.3
43 HIP C-7'''BLW WAIST	93.64	5.59	36.86	2.20	6.0%	.57	3.63	1905	81.8	84.9	86.7	88.0	89.8	93.2	96.9	99.1	100.7	103.4	110.0
44 HIP C-9'''BLW WAIST	95.27	6.02	37.51	2.37	6.3%	.32	3.42	1905	82.0	85.2	86.7	89.2	89.9	95.1	98.9	101.2	102.9	105.7	112.0
45 UPPER THIGH CIRCUM	55.48	4.22	21.84	1.66	7.6%	.45	3.44	1905	46.2	48.7	50.1	51.2	52.6	55.3	58.1	59.7	60.9	62.7	66.8
46 KNEE CIRCUMFERENCE	36.30	2.27	14.29	.89	6.2%	.25	3.28	1905	31.5	32.7	33.4	33.9	34.7	36.1	37.7	38.6	39.3	40.3	42.3
47 CALF CIRCUM, RIGHT	34.14	2.25	13.44	.88	6.6%	.17	3.21	1905	29.3	30.5	31.3	31.6	32.6	34.2	35.6	36.5	37.1	38.1	39.8
48 CALF CIRCUM, LEFT	34.23	2.28	13.48	.90	6.7%	.26	2.95	1905	29.4	30.5	31.3	31.8	32.6	34.2	35.7	36.6	37.2	38.1	39.9
49 ANKLE CIRCUMFERNCE	21.09	1.29	8.30	.51	6.1%	.26	2.95	1905	18.3	19.4	19.7	20.2	21.0	21.9	22.5	22.8	23.3	24.4	—
50 VERTICAL TRUNK CIR	154.43	6.87	60.80	2.70	4.4%	.26	2.95	1905	140.1	143.5	145.6	147.2	149.6	154.1	158.9	161.6	163.5	166.4	172.5

TABLE II-A

UNIVARIATE SUMMARY STATISTICS FOR
THE 1968 SURVEY OF AIR FORCE WOMEN

No.	Variable	MEAN**	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51	VERTICAL TRK C,SIT	150.07	6.56	59.38	2.58	4.4%	.17	2.87	1905	136.3	139.4	141.5	143.0	145.4	149.9	154.4	156.9	158.5	161.1	166.3
52	BUTTOCK CIRC, SIT	100.00	6.09	39.37	2.40	6.1%	.62	3.98	1905	87.4	90.8	92.6	93.9	95.8	99.5	103.9	105.9	107.8	110.8	118.1
53	SCYE CIRCUMFERENCE	37.10	2.29	14.61	.90	6.2%	.42	3.64	1905	32.1	33.0	34.3	34.8	35.5	36.9	38.5	39.4	40.1	41.1	43.0
54	AXILLARY ARM CIRC	27.44	2.34	10.80	.92	8.5%	.47	3.65	1905	22.6	24.0	24.8	25.0	25.8	27.3	28.9	29.8	30.5	31.5	33.6
55	BICEPS C,RELAXED,R	25.61	2.29	10.08	.90	9.0%	.62	4.03	1905	21.0	22.1	22.8	23.3	24.0	25.4	27.0	27.9	28.6	29.7	32.0
56	BICEPS C,FLEXED,R	26.79	2.32	10.55	.91	8.6%	.62	4.13	1905	22.2	23.3	23.9	24.4	25.1	26.6	28.2	29.1	29.8	30.8	33.1
57	BICEPS C,RELAXED,L	25.66	2.41	10.10	.95	9.4%	.65	4.11	1905	20.8	22.2	22.9	23.4	24.2	25.6	27.1	28.0	28.8	29.9	32.6
58	BICEPS C,FLEXED,L	26.54	2.38	10.45	.94	9.0%	.66	4.23	1905	21.6	22.8	23.7	24.2	24.9	26.3	27.9	28.8	29.6	30.8	33.3
59	ELBOW CIRC,FLEXED	26.98	1.78	10.62	.70	6.6%	.26	3.31	1905	22.8	24.1	24.7	25.1	25.7	26.9	28.3	29.3	29.9	30.1	31.5
60	FOREARM C, RELAXED	23.48	1.38	9.24	.54	5.9%	.38	3.63	1905	20.6	21.3	21.7	22.0	22.5	23.4	24.3	24.8	25.2	25.8	27.0
61	FOREARM G, FLEXED	24.98	1.52	9.83	.60	6.1%	.34	3.59	1905	21.6	22.5	23.0	23.4	23.9	24.9	26.0	26.6	27.0	27.6	28.9
62	WRIST CIRCUMFERNCE	14.96	.71	5.89	.28	4.8%	.26	3.14	1905	13.4	13.9	14.2	14.4	14.5	15.0	15.4	15.7	15.9	16.2	16.8
63	BIACROMIAL BREADTH	35.84	1.64	14.11	.65	4.6%	.09	3.19	1905	31.9	33.2	33.8	34.2	34.7	35.9	36.9	37.5	37.9	38.6	39.8
64	BIDELTOID BREADTH	41.87	2.31	16.49	.911	5.5%	.26	3.23	1905	36.6	38.2	39.0	39.5	40.3	41.8	43.3	44.0	44.9	45.9	48.0
65	CHEST BREADTH	27.99	1.91	11.02	.75	6.9%	.47	3.95	1905	23.5	25.0	25.6	26.0	26.6	28.0	29.2	30.0	30.6	31.5	33.2
66	BUST PT-BUST PT BR	18.53	1.55	7.30	.61	8.4%	.21	3.41	1905	15.0	16.1	16.6	17.0	17.5	18.5	19.5	20.1	20.5	21.2	22.5
67	WAIST BREADTH	24.13	1.94	9.50	.76	8.0%	.53	3.54	1905	20.2	21.2	21.7	22.1	22.7	24.0	25.4	26.2	26.7	27.6	29.4
68	HIP BREADTH	34.97	2.22	13.77	.87	6.3%	.39	3.43	1905	30.2	31.5	32.1	32.7	33.4	34.8	36.4	37.0	37.9	38.8	40.9
69	THIGH-THIGH BR,SIT	38.19	2.86	15.04	1.13	7.5%	.42	3.36	1905	32.1	33.8	34.7	35.3	36.2	38.0	40.0	41.2	42.0	43.3	45.9
70	HUMERAL BREADTH, R	6.13	.31	2.41	.12	5.0%	.15	3.28	1905	5.4	5.6	5.7	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.9
71	HUMERAL BREADTH, L	6.10	.30	2.40	.12	4.9%	.08	3.20	1905	5.4	5.6	5.7	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.8
72	FEMORAL BREADTH, R	8.12	.45	3.20	.18	5.6%	.09	3.23	1905	7.0	7.4	7.6	7.7	7.8	8.1	8.4	8.6	8.7	8.9	9.2
73	FEMORAL BREADTH, L	8.14	.44	3.20	.17	5.4%	.10	3.07	1905	7.1	7.4	7.6	7.7	7.8	8.1	8.4	8.6	8.7	8.9	9.2
74	CHEST DEPTH	23.64	1.93	9.31	.76	8.2%	.66	3.71	1905	19.8	20.8	21.3	21.7	22.2	23.4	24.8	25.6	26.2	27.2	29.1
75	WAIST DEPTH	17.01	1.67	6.71	.66	9.8%	1.14	5.41	1905	13.9	14.7	15.1	15.4	15.9	16.8	17.9	18.6	19.2	20.2	22.9
76	ABDOMINAL EXT DPTH	20.89	2.12	8.22	.83	10.1%	.94	3.94	1905	16.3	17.8	18.4	18.9	19.5	20.7	22.0	23.0	23.6	24.8	28.0
77	BUTTOCK DEPTH	21.15	1.79	8.33	.70	8.5%	.54	3.34	1905	17.3	18.4	18.9	19.3	19.9	21.0	22.2	23.0	23.5	24.4	26.2
78	THIGH CLEARANCE	12.44	1.25	4.90	.49	10.1%	.20	2.86	1905	9.8	10.4	10.8	11.1	11.5	12.4	13.3	13.8	14.1	14.6	15.5
79	SHOULDER LENGTH	14.66	1.02	5.77	.40	7.0%	.16	3.02	1905	12.3	13.0	13.3	13.5	13.9	14.6	15.3	15.7	16.0	16.4	17.1
80	NECK-BUST POINT L	25.49	1.89	16.04	.74	7.4%	.29	3.06	1905	21.3	22.5	23.1	23.5	24.1	25.4	26.7	27.5	28.0	28.8	30.4
81	STRAP LENGTH	65.22	3.92	25.68	1.54+	6.0%	.31	3.17	1905	56.7	59.0	60.3	61.1	62.4	64.9	67.7	69.3	70.4	72.1	75.4
82	INTERSCYE	35.06	2.44	13.80	.96	7.0%	.19	3.02	1905	29.6	31.1	31.9	32.4	33.3	34.9	36.6	37.6	38.2	39.2	41.0
83	INTERSCYE, MAXIMUM	49.39	3.29	19.45	1.29	6.7%	-.05	3.15	1905	41.3	43.9	45.1	45.7	47.2	49.4	51.6	52.8	53.6	54.8	57.0
84	BACK CURVATURE	42.15	3.05	16.59	1.20	7.2%	.44	3.28	1905	35.7	37.5	38.4	39.0	39.9	41.8	45.3	46.2	46.4	47.6	50.3
85	WAIST BACK	40.57	2.22	15.95	.87	5.5%	.10	3.24	1905	35.4	37.0	38.0	38.4	39.0	40.5	42.0	42.8	43.6	44.3	45.9
86	ANTERIOR WAIST LTH	33.58	1.96	13.22	.77	5.8%	.31	3.10	1905	29.3	30.4	31.0	31.5	32.1	33.4	34.8	35.6	36.1	37.0	38.6
87	SLEEVE INSEAM	44.13	2.42	17.37	.95	5.5%	.16	3.43	1905	38.6	40.2	41.0	41.6	42.4	44.0	45.7	46.6	47.3	48.2	50.0
88	SPINE-TO-SCYE LGTH	20.37	1.36	8.02	.53	6.7%	.16	3.22	1905	17.3	18.2	18.7	19.0	19.5	20.3	21.3	21.9	22.2	22.7	23.7
89	SPINE-TO-ELBOW LTH	53.32	2.41	26.99	.95	4.5%	.18	3.22	1905	47.9	49.4	50.2	50.8	51.6	53.2	54.9	55.8	56.4	57.4	59.4
90	SPINE-TO-WRIST LTH	79.58	3.32	31.33	1.31	4.2%	.19	3.16	1905	72.3	74.1	75.2	76.0	77.2	79.5	81.7	82.9	83.8	85.1	88.1
91	HAND LENGTH	18.38	.96	7.24	.38	5.2%	.25	3.01	1905	16.3	16.9	17.2	17.4	17.7	18.3	19.0	19.4	19.7	20.1	20.8
92	HAND BREADTH	7.55	.39	2.97	.15	5.2%	-.01	3.03	1905	6.7	6.9	7.1	7.2	7.3	7.6	7.8	8.0	8.1	8.2	8.5
93	HAND CIRCUMFERENCE	18.32	.91	7.21	.36	4.7%	.15	2.97	1905	16.3	16.8	17.1	17.3	17.7	18.3	18.9	19.2	19.5	19.8	20.6
94	FOOT LENGTH	24.07	1.13	9.48	.44	4.7%	.12	2.86	1905	21.5	22.2	22.6	22.9	23.3	24.0	24.8	25.3	25.5	26.0	26.8
95	FOOT BREADTH	8.87	.50	3.49	.20	5.6%	.26	3.54	1905	7.7	8.0	8.2	8.3	8.5	8.9	9.2	9.4	9.5	9.8	10.2
96	HEAD LENGTH	18.41	.68	7.25	.27	3.7%	.03	2.95	1905	16.8	17.3	17.5	17.7	18.0	18.4	18.9	19.1	19.3	19.5	20.0
97	HEAD BREADTH	14.52	.59	5.71	.23	4.1%	.11	3.16	1905	13.1	13.5	13.8	13.9	14.1	14.5	14.9	15.1	15.3	15.5	15.9
98	HEAD CIRCUMFERENCE	54.87	1.62	21.60	.64	3.0%	.20	3.16	1905	51.2	52.3	52.8	53.2	53.7	54.8	55.9	56.5	57.0	57.6	58.8
99	TRAGION-TOP HEAD	12.73	.76	5.01	.30	6.0%	.39	3.28	1905	11.0	11.5	11.8	11.9	12.1	12.7	13.2	13.4	13.8	14.1	14.7
100	ECTOCANTHUS-TOP HD	11.76	.92	4.63	.36	7.8%	.42	3.43	1905	9.8	10.3	10.6	10.8	11.1	11.7	12.4	12.7	13.0	13.4	14.2

TABLE II-A

UNIVARIATE SUMMARY STATISTICS FOR
THE 1968 SURVEY OF AIR FORCE WOMEN

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101 PRONASALE-TOP HEAD	14.76	1.17	5.81	.46)	7.9%	.34	3.32	1905	12.3	12.9	13.3	13.6	14.0	14.7	15.5	16.0	16.3	16.8	18.0
102 SUBNASALE-TOP HEAD	15.91	1.10	6.26	.43)	6.9%	.26	3.28	1905	13.4	14.1	14.5	14.8	15.2	15.9	16.6	17.0	17.3	17.8	18.7
103 STOMION-TOP HEAD	17.83	1.12	7.02	.44)	6.3%	.24	3.42	1905	15.3	16.0	16.4	16.7	17.1	17.8	18.5	19.0	19.3	19.7	20.7
104 MENTON-TOP HEAD	21.91	1.14	8.62	.45)	5.2%	.15	3.30	1905	19.2	20.0	20.5	20.7	21.1	21.9	22.7	23.1	23.4	23.8	24.7
105 TRAGION TO WALL	10.17	.90	4.00	.35)	8.8%	.70	4.19	1905	8.3	8.8	9.1	9.3	9.6	10.1	10.7	11.1	11.3	11.8	12.9
106 ECTOCANTHUS-WALL	16.37	.97	6.44	.38)	5.9%	.56	3.83	1905	14.3	14.9	15.2	15.4	15.7	16.3	17.0	17.4	17.7	18.1	19.1
107 PRONASALE TO WALL	21.19	.96	8.34	.38)	4.5%	.47	3.56	1905	19.1	19.7	20.0	20.2	20.5	21.1	21.8	22.2	22.5	22.9	23.9
108 SUBNASALE TO WALL	19.66	.98	7.74	.39)	5.0%	.53	3.76	1905	17.5	18.1	18.5	18.7	19.0	19.6	20.3	20.7	20.9	21.4	22.5
109 LIP PROTRUS"N-WALL	19.30	1.06	7.60	.42)	5.5%	.59	3.91	1905	17.1	17.7	18.0	18.2	18.6	19.2	19.9	20.4	20.7	21.2	22.3
110 MENTON TO WALL	18.23	1.14	7.18	.45)	6.2%	.43	3.63	1905	15.7	16.4	16.8	17.1	17.4	18.2	18.9	19.4	19.7	20.2	21.2
111 SAGITTAL CURVATURE	34.79	1.49	13.70	.59)	4.3%	.28	3.58	1905	31.4	32.4	32.9	33.3	33.8	34.7	35.7	36.3	36.7	37.3	38.8
112 BITRAGION-CORONAL	33.92	1.40	13.36	.55)	4.1%	.14	3.13	1905	30.8	31.6	32.1	32.5	33.0	33.9	34.8	35.4	35.7	36.3	37.5
113 BIOCULAR BREADTH	9.67	.49	3.81	.19)	5.1%	-.01	3.00	1905	8.5	8.9	9.0	9.2	9.3	9.7	10.2	10.3	10.3	10.5	10.8
114 BIAURICULAR BROTH	15.83	.95	6.23	.37)	6.0%	.10	2.82	1905	13.8	14.2	14.5	14.8	15.1	15.8	16.5	16.8	17.0	17.4	18.1
115 BITRAGION BREADTH	12.89	.50	5.07	.20)	3.9%	.21	3.29	1905	11.8	12.1	12.3	12.4	12.5	12.9	13.2	13.4	13.5	13.7	14.2
116 BIZYGOMATIC BROTH	12.90	.58	5.08	.23)	4.5%	-.17	3.28	1905	11.4	11.9	12.1	12.3	12.5	12.9	13.3	13.5	13.6	13.8	14.2
117 BIGONIAL BREADTH	10.19	.56	4.01	.22)	5.5%	-.04	3.13	1905	8.9	9.3	9.5	9.6	9.8	10.2	10.6	10.8	10.9	11.1	11.6
118 NASAL BREADTH	3.19	.33	1.26	.13)	10.3%	.60	4.01	1905	2.5	2.7	2.8	2.9	3.0	3.2	3.4	3.5	3.6	3.8	4.2
119 LIP LENGTH	4.38	.42	1.72	.17)	9.6%	.20	3.04	1905	3.5	3.7	3.8	3.9	4.1	4.4	4.7	4.8	4.9	5.1	5.4
120 MENTON-SUBNASALE L	5.54	.51	2.18	.20)	9.2%	.05	3.24	1905	4.3	4.7	4.9	5.0	5.2	5.5	5.9	6.1	6.2	6.4	6.8
121 MENTON-SELLION LTH	10.63	.61	4.18	.24)	5.8%	.08	3.09	1905	9.2	9.6	9.8	10.0	10.2	10.6	11.0	11.3	11.4	11.7	12.1
122 SUBNASALE-SELLION	4.55	.41	1.79	.16)	9.0%	.14	3.36	1905	3.5	3.9	4.0	4.1	4.3	4.5	4.8	5.0	5.1	5.2	5.6
123 EAR LENGTH	5.24	.44	2.06	.17)	8.5%	-.07	3.36	1905	4.1	4.5	4.7	4.8	4.9	5.2	5.5	5.7	5.8	6.0	6.3
124 EAR BREADTH	2.98	.33	1.17	.13)	11.2%	-.15	3.18	1905	2.1	2.4	2.5	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.7
125 GRIP STRENGTH	29.89	5.70	11.77	2.25)	19.1%	.25	3.31	1905	18.0	21.0	22.8	24.1	26.0	29.7	33.5	35.7	37.2	39.6	44.8
139 STATURE REPORTED	164.38	6.16	(64.72	2.43)	3.7%	.16	2.69	1905	151.6	154.3	156.2	157.6	159.9	164.3	168.7	171.0	172.5	174.7	178.7
140 WEIGHT REPORTED	56.88	7.18	(125.40	15.82)	12.6%	.66	4.01	1905	42.9	46.1	48.1	49.6	51.8	56.2	61.0	63.8	65.9	69.4	77.3.

TABLE II-B

UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

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#		MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1	AGE	30.03	6.31	30.03	6.31	21.0%	.76	2.70	2420	21.8	22.3	22.9	23.4	24.4	28.1	34.2	36.6	38.7	42.6	45.5
2	WEIGHT	78.74	9.72	173.60	21.44	12.3%	.31	3.09	2420	58.0	63.6	66.6	68.7	71.9	78.2	85.0	88.9	91.6	95.7	103.4
3	SKF SUBSCAP"R-LNGE	1.37	.53	.54	.21	38.9%	1.26	5.07	2420	.6	.7	.8	.9	1.0	1.2	1.6	1.9	2.1	2.4	3.1
4	SKF TRICEPS-LANGE	1.27	.51	.50	.20	40.2%	.57	3.04	2420	.6	.7	.8	.9	1.0	1.2	1.6	1.8	2.0	2.2	2.6
5	SKF JUX"NIPPLE-LGE	1.36	.67	.54	.26	49.2%	.67	3.03	2420	.5	.6	.7	.8	.8	1.2	1.8	2.1	2.3	2.6	3.1
6	SKF MAL XIPH"D-LGE	1.21	.57	.48	.22	47.0%	.93	3.81	2420	.4	.5	.6	.6	.8	1.1	1.5	1.8	2.0	2.3	2.9
7	SKF SUPRAILIAC-LGE	2.62	1.18	1.03	.46	44.9%	.29	2.50	2420	.6	.8	1.0	1.1	1.3	2.6	3.5	3.9	4.0	4.3	4.8
8	SKF SUPRAPATELLA-L	.73	.23	.29	.09	31.5%	.70	3.52	2420	.3	.4	.5	.5	.6	.7	.9	1.0	1.0	1.2	1.4
9	SKF SUBSCAP"R-HARP	1.39	.55	.55	.19	35.5%	1.30	5.35	2420	.7	.8	.9	.9	1.0	1.3	1.6	1.9	2.0	2.3	3.0
10	SKF TRICEPS-HARP"N	1.23	.43	.48	.17	35.2%	.56	3.15	2420	.5	.6	.7	.8	.9	1.2	1.5	1.7	1.8	2.0	2.4
11	SKF SUPRAILIAC-HPN	2.42	1.04	.95	.41	42.7%	.40	2.67	2420	.6	.9	1.1	1.3	1.6	2.4	3.1	3.5	3.8	4.2	5.1
12	GRIP STRENGTH	56.38	7.60	124.31	16.75	13.5%	.26	3.23	2420	39.8	44.3	46.9	48.6	51.2	56.1	61.2	64.2	66.3	69.6	76.6
13	HEIGHT (STATURE)	177.34	6.19	69.82	2.44	3.5%	.05	2.86	2420	163.3	167.3	169.4	170.4	173.1	177.2	181.5	183.8	185.4	187.7	191.9
14	CERVICALE HEIGHT	152.06	5.82	59.87	2.29	3.8%	.05	2.95	2420	138.3	142.5	144.7	146.1	148.0	152.1	155.9	158.1	159.5	161.7	165.9
15	ACROMION HEIGHT	145.21	5.75	57.17	2.27	4.0%	.02	2.92	2420	131.8	135.7	137.8	139.8	141.3	145.2	149.1	151.1	152.7	154.8	158.4
16	RADIALE HEIGHT	112.29	4.57	44.21	1.80	4.1%	.05	2.95	2420	101.6	104.8	106.5	107.6	109.2	112.2	115.1	117.1	118.3	120.0	123.0
17	STYLION HEIGHT	86.58	3.94	34.09	1.55	4.6%	.12	2.95	2420	77.6	80.2	81.5	82.5	83.8	86.5	89.2	90.7	91.7	93.2	96.0
18	DACTYLION HEIGHT	67.18	3.51	26.45	1.38	5.2%	.11	2.93	2420	58.9	61.5	62.8	63.6	64.8	67.1	69.5	70.9	71.8	73.2	75.6
19	SUPRASTERNALE HGHT	145.20	5.50	57.16	2.17	3.8%	.07	2.91	2420	132.5	136.3	138.2	139.5	141.5	145.1	148.9	150.9	152.3	154.4	158.4
20	NIPPLE HEIGHT	129.24	5.24	50.88	2.06	4.1%	.08	2.91	2420	117.2	120.8	122.8	123.9	125.7	129.2	132.8	134.7	136.1	138.1	141.6
21	WAIST HT-OMPHALION	106.47	4.72	41.92	1.86	4.4%	.04	2.93	2420	95.6	98.7	100.7	101.6	103.3	106.4	109.6	111.4	112.6	114.3	117.6
22	ILIOCRISTALE HT	109.15	4.80	42.97	1.89	4.4%	.05	3.02	2420	97.9	101.3	103.1	104.2	105.9	109.1	112.4	114.2	115.4	117.2	120.5
23	BUTTOCK HEIGHT	90.11	4.39	35.47	1.73	4.9%	.16	3.12	2420	80.2	83.0	84.6	85.6	87.1	90.0	93.0	94.6	95.8	97.5	100.9
24	TROCHANTERION HGHT	93.96	4.35	36.99	1.71	4.6%	.08	3.09	2420	84.0	86.9	88.4	89.5	91.0	93.9	96.8	98.5	99.6	101.3	104.5
25	GLUTEAL FURROW HGT	81.11	4.01	31.94	1.58	4.9%	.10	3.08	2420	71.7	74.7	76.1	77.0	78.4	81.0	83.8	85.3	86.3	87.9	90.5
26	CROTCH HEIGHT	85.07	4.15	33.49	1.63	4.9%	.09	3.05	2420	75.7	78.4	79.8	80.8	82.2	85.0	87.9	89.4	90.5	92.0	94.7
27	PATELLA TOP HEIGHT	52.62	2.56	20.71	1.01	4.9%	.10	3.05	2420	46.8	48.5	49.4	50.0	50.9	52.6	54.3	55.3	55.9	56.9	58.9
28	KNEE CIRC HEIGHT	49.65	2.49	19.55	.98	5.0%	.11	3.05	2420	44.6	45.8	46.5	47.1	47.9	49.6	51.3	52.2	52.9	53.9	55.7
29	FIBULAR HEIGHT	43.87	2.25	17.27	.89	5.1%	.14	3.17	2420	38.8	40.2	41.0	41.5	42.3	43.8	45.3	46.2	46.7	47.6	49.4
30	CALF HEIGHT	35.55	2.22	14.00	.88	6.3%	.13	2.95	2420	30.7	32.0	32.7	33.2	34.0	35.5	37.1	37.9	38.5	39.3	40.7
31	ANKLE HEIGHT	13.72	1.15	5.40	.45	8.4%	.36	2.96	2420	11.4	12.0	12.3	12.5	12.9	13.6	14.5	15.0	15.3	15.8	16.6
32	SITTING HEIGHT	93.18	3.18	36.69	1.25	3.4%	.09	2.97	2420	86.2	88.1	89.2	89.9	91.0	93.1	95.3	96.5	97.4	98.6	100.6
33	EYE HEIGHT/SITTING	80.95	3.02	31.87	1.19	3.7%	.13	3.07	2420	74.1	76.1	77.2	77.9	78.9	80.8	82.9	84.1	84.9	86.1	88.3
34	MIDSHOULDER HT/SIT	64.59	2.74	25.43	1.08	4.2%	.08	3.07	2420	58.3	60.2	61.2	61.8	62.7	64.5	66.4	67.5	68.2	69.2	71.0
35	ACROMION H"GHT/SIT	61.05	2.85	24.04	1.12	4.7%	.09	3.11	2420	54.1	56.5	57.6	58.1	59.1	61.0	63.0	64.1	64.8	65.9	67.7
36	ELBOW REST HGT/SIT	25.16	2.61	9.91	1.03	10.4%	.05	2.96	2420	19.1	20.9	21.9	22.5	23.6	25.2	26.9	28.0	28.5	29.5	31.5
37	KNEE HEIGHT/SITT"G	55.76	2.49	21.95	.98	4.5%	.09	3.12	2420	50.1	51.7	52.6	53.2	54.1	55.7	57.4	58.3	59.0	59.9	61.9
38	POPLITEAL HGHT/SIT	43.70	2.25	17.21	.88	5.1%	.06	3.00	2420	38.5	40.0	40.7	41.4	42.2	43.7	45.2	46.0	46.6	47.4	49.0
39	BUTTOCK-KNEE LNGTH	60.40	2.70	23.78	1.06	4.5%	.13	3.09	2420	54.6	56.1	57.0	57.6	58.6	60.3	62.1	63.2	63.9	65.0	67.3
40	BUTTOCK-POPLITEAL	50.37	2.58	19.83	1.02	5.1%	.08	3.00	2420	44.6	46.1	47.0	47.7	48.6	50.4	52.1	53.0	53.6	54.6	56.6
41	ACRM-BICEP CIR LVL	19.01	1.50	7.48	.59	7.9%	.05	3.02	2420	15.5	16.5	17.1	17.4	18.0	19.0	20.0	20.6	20.9	21.5	22.6
42	SHOULDER-ELBOW LTH	35.95	1.71	14.15	.67	4.8%	.11	2.95	2420	32.1	33.2	33.7	34.1	34.8	35.9	37.1	37.8	38.2	38.8	39.9
43	ACROMION-RADIALE L	32.99	1.70	12.97	.67	5.2%	.05	3.02	2420	29.1	30.2	30.8	31.2	31.8	32.9	34.1	34.7	35.1	35.8	37.0
44	ELBOW-WRIST LENGTH	29.99	1.41	11.81	.56	4.7%	.10	3.06	2420	26.7	27.7	28.2	28.5	29.0	30.0	31.0	31.5	31.9	32.4	33.4
45	RADIALE-STYLION LH	26.88	1.42	10.58	.56	4.6%	.09	2.96	2420	23.6	24.6	25.0	25.3	25.9	26.9	27.8	28.4	28.7	29.2	30.2
46	ELBOW-GRIP LENGTH	35.20	1.62	13.86	.64	4.6%	.14	3.14	2420	31.7	32.6	33.1	33.5	34.1	35.2	36.3	36.9	37.3	37.9	39.1
47	THUMB-TIP REACH	80.31	3.98	31.62	1.57	5.0%	.13	3.04	2420	71.7	73.9	75.2	76.2	77.6	80.2	82.9	84.4	85.5	87.1	90.0
48	THUMB-TIP R"CH/XTD	83.59	4.51	35.27	1.78	5.3%	.08	3.04	2420	72.9	75.5	77.6	79.1	80.2	83.5	86.5	87.9	89.5	91.3	94.3
49	SLEEVE INSEAM	48.54	2.56	19.11	1.01	5.3%	.08	3.04	2420	42.7	44.4	45.3	45.9	46.8	48.5	50.2	51.2	51.8	52.8	54.7
50	BIACROMIAL BREADTH	40.73	1.94	16.04	.76	4.8%	-.07	3.19	2420	36.0	37.5	38.2	38.7	39.5	40.8	42.0	42.7	43.1	43.8	45.2

TABLE II-B

UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

No.	Variable	** MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99% **
51	BIDELTOID BREADTH	48.24	2.56	18.99	1.01	5.3%	.11	2.98	2420	42.4	44.1	45.0	45.6	46.5	48.2	50.0	50.9	51.6	52.6	54.4
52	CHEST BREADTH	32.78	2.12	12.91	.83	6.5%	.34	3.23	2420	28.3	29.5	30.1	30.6	31.3	32.7	34.1	35.0	35.6	36.5	38.4
53	WAIST BRDTH-OMPH"N	30.96	2.39	12.19	.94	7.7%	.33	3.60	2420	25.8	27.2	28.0	28.5	29.3	30.9	32.5	33.4	34.0	35.0	37.2
54	BICRISTALE BREADTH	27.92	2.04	10.99	.81	7.3%	-.12	3.49	2420	22.6	24.4	25.3	25.9	26.6	28.0	29.2	29.9	30.4	31.2	32.9
55	HIP BREADTH	35.27	1.88	13.88	.74	5.3%	.28	3.57	2420	31.0	32.3	32.9	33.4	34.0	35.4	36.4	37.1	37.7	38.5	40.2
56	HIP BREADTH SITT"G	37.79	2.30	14.88	.91	6.1%	.30	3.32	2420	32.7	34.2	34.9	35.5	36.2	37.7	39.2	40.1	40.8	41.8	43.8
57	ELBOW BRDTH BONE/R	7.08	.36	2.79	.14	5.1%	-.00	3.01	2420	6.2	6.5	6.6	6.7	6.8	7.1	7.3	7.5	7.5	7.7	7.9
58	ELBOW BRDTH BONE/L	7.10	.35	2.79	.14	4.9%	-.00	3.04	2420	6.3	6.5	6.6	6.7	6.9	7.1	7.3	7.5	7.5	7.7	7.9
59	F"ARM-F"ARM BR"DTH	54.32	3.78	21.39	1.49	7.0%	.13	3.02	2420	45.9	48.2	49.5	50.4	51.7	54.3	56.9	58.3	59.2	60.7	63.5
60	KNEE BR"DTH BONE/R	9.98	.45	3.93	.18	4.5%	.15	3.06	2420	9.0	9.3	9.4	9.5	9.7	10.0	10.3	10.4	10.6	10.7	11.1
61	KNEE BR"DTH BONE/L	9.96	.45	3.92	.18	4.5%	.14	3.06	2420	9.0	9.2	9.4	9.5	9.7	9.9	10.3	10.4	10.5	10.7	11.1
62	CHEST DEPTH	24.52	1.93	9.65	.76	7.9%	.12	2.98	2420	20.3	21.3	22.0	22.5	23.2	24.5	25.8	26.5	27.0	27.7	29.2
63	WAIST DEPTH-OMPH"N	22.31	2.18	8.78	.86	9.8%	.37	3.37	2420	17.8	19.6	20.1	20.5	20.8	22.0	23.7	24.5	25.2	26.1	28.1
64	BUTTOCK DEPTH	23.97	2.05	9.44	.81	8.6%	.19	3.13	2420	19.4	20.7	21.4	21.8	22.5	23.9	25.3	26.1	26.7	27.5	28.8
65	THIGH CLEARANCE HT	16.53	1.38	6.51	.54	8.3%	.13	3.02	2420	13.4	14.3	14.8	15.1	15.6	16.5	17.4	18.0	18.3	18.8	19.9
66	NECK CIRC -MAXIMUM	38.34	1.91	15.10	.75	5.0%	.29	3.18	2420	34.2	35.5	36.0	36.4	37.0	38.3	39.5	40.3	40.8	41.6	43.4
67	SHOULDER CIRCUM"CE	117.69	5.82	46.34	2.29	4.9%	.12	3.04	2420	104.2	108.4	110.4	111.8	113.8	117.5	121.5	123.8	125.3	127.6	131.9
68	CHEST CIRC AT SCYE	102.26	6.07	40.26	2.39	5.9%	.11	3.05	2420	88.7	92.5	94.6	96.0	98.1	102.1	106.3	108.5	110.1	112.6	117.1
69	CHEST CIRCUMF"ENCE	98.55	6.35	38.80	2.50	6.4%	.24	3.07	2420	84.7	88.6	90.7	92.1	94.2	98.3	102.6	105.0	106.3	108.9	114.3
70	WAIST CIR-OMPHAL"N	87.60	7.38	34.49	2.91	8.4%	.26	3.23	2420	71.9	75.8	78.2	79.9	82.5	87.4	92.5	95.2	97.1	100.0	106.0
71	WAIST CIR-OMPH/SIT	87.41	7.49	34.41	2.95	8.6%	.29	3.32	2420	71.3	75.4	77.8	79.6	82.2	87.2	92.3	95.1	97.1	100.2	106.7
72	BUTTOCK CIRCUMF"CE	98.62	5.51	38.83	2.17	5.6%	.21	3.25	2420	86.5	89.7	91.6	92.9	94.9	98.5	102.1	104.3	105.2	107.9	112.3
73	BUTTOCK CIRCUM/SIT	107.64	6.74	42.38	2.66	6.3%	.29	3.25	2420	93.0	97.0	99.2	100.7	102.9	107.3	112.0	114.6	116.5	119.5	124.9
74	VERTICAL TRUNK CIR	161.31	6.95	63.51	2.74	4.3%	.18	3.26	2420	145.9	151.7	154.6	156.6	158.1	161.1	165.8	168.1	170.4	173.2	178.5
75	VERT TRUNK CIR/SIT	168.07	7.16	66.17	2.82	4.3%	.15	3.06	2420	150.4	156.7	159.2	160.8	162.7	168.1	173.5	176.4	178.0	180.5	186.2
76	SCROTALE-ANT WAIST	28.42	2.05	11.19	.81	7.2%	.27	3.12	2420	24.0	25.2	25.9	26.3	27.0	28.3	29.7	30.5	31.1	31.9	33.6
77	SCROTALE-A WAIST/S	25.43	1.69	10.01	.67	6.7%	.13	2.99	2420	21.6	22.7	23.3	23.7	24.3	25.4	26.6	27.2	27.7	28.3	29.4
78	SCRTL-SUPRASTERNLE	68.83	3.41	27.10	1.34	5.0%	.28	3.02	2420	61.6	63.5	64.5	65.3	66.4	68.7	71.1	72.4	73.3	74.7	77.2
79	SCRTL-SUPRSTRNLE/S	63.56	3.00	25.03	1.18	4.7%	.15	3.19	2420	56.9	58.8	59.8	60.5	61.5	63.5	65.5	66.7	67.5	68.6	70.7
80	SCRTL-ANT SCYE LVL	53.79	3.13	21.18	1.23	5.8%	.26	2.99	2420	47.2	48.9	49.9	50.5	51.6	53.6	55.8	57.1	57.9	59.3	61.8
81	SCRTL-ANT SCYE L/S	48.47	2.96	19.08	1.16	6.1%	.10	2.96	2420	42.0	43.8	44.7	45.4	46.4	48.4	50.5	51.6	52.4	53.5	55.5
82	SCRTL-A MIDSHOULDR	77.35	3.73	30.45	1.47	4.8%	.22	3.07	2420	69.3	71.4	72.6	73.5	74.7	77.3	79.8	81.2	82.2	83.7	86.7
83	SCRTL-A MDSHLDR/S	72.35	3.29	28.48	1.29	4.5%	.07	3.13	2420	64.7	67.0	68.2	69.0	70.1	72.3	74.5	75.7	76.6	77.9	80.2
84	SCROTALE-PST WAIST	35.34	2.92	13.91	1.15	8.3%	.13	3.02	2420	28.8	30.6	31.6	32.3	33.3	35.3	37.2	38.3	39.1	40.3	42.6
85	SCRTL-WAIST OVR BK	42.61	3.01	16.78	1.19	7.1%	.18	3.08	2420	35.8	37.8	38.8	39.5	40.5	42.5	44.6	45.7	46.5	47.7	50.1
86	SCROTALE-P WAIST/S	36.55	3.12	14.39	1.23	8.5%	.05	3.14	2420	29.2	31.4	32.6	33.4	34.5	36.5	38.6	39.7	40.5	41.7	43.9
87	SCRTL-WAIST/BUT/S	39.52	2.92	15.56	1.15	7.4%	.06	3.16	2420	32.9	34.6	35.6	36.5	37.5	39.5	41.5	42.5	43.3	44.4	46.4
88	SCROTALE-CERVICALE	82.63	3.96	32.53	1.56	4.8%	.06	2.90	2420	73.8	76.1	77.5	78.5	79.9	82.6	85.3	86.8	87.8	89.2	92.0
89	SCROTALE-CERVCLE/S	84.63	3.97	33.25	1.56	4.7%	.06	2.94	2420	75.4	77.8	79.3	80.3	81.7	84.4	87.1	88.6	89.5	91.0	94.0
90	SCRTL-PST SCYE LVL	62.16	3.56	24.47	1.40	5.7%	.03	2.88	2420	53.8	56.3	57.6	58.4	59.7	62.1	64.6	65.9	66.8	68.1	70.6
91	SCRTL-PST SCYE L/S	64.57	3.59	25.42	1.41	5.6%	.07	3.02	2420	56.4	58.8	60.0	60.9	62.1	64.5	67.0	68.3	69.2	70.6	73.2
92	SCRTL-P MIDSHOULDR	85.33	4.06	33.60	1.60	4.8%	.10	2.90	2420	76.3	78.7	80.1	81.0	82.5	85.2	88.1	89.6	90.6	92.2	94.9
93	SCRTL-MDSHLD OVR B	91.45	4.15	36.00	1.64	4.5%	.11	2.89	2420	82.4	84.7	86.1	87.1	88.6	91.4	94.2	95.8	96.8	98.4	101.6
94	SCRTL-P MDSHLDR/S	87.30	4.19	34.37	1.65	4.8%	.08	3.01	2420	78.0	80.1	81.9	82.9	84.4	87.3	90.1	91.6	92.7	94.3	97.5
95	SCRTL-P MDSHLD O B/S	89.26	4.11	35.14	1.62	4.6%	.08	3.00	2420	80.0	82.6	84.0	85.0	86.4	89.3	92.0	93.6	94.5	96.2	99.7
96	UPPER THIGH CIRCUM	58.81	4.43	23.16	1.74	7.5%	.11	3.17	2420	48.5	51.5	53.1	54.2	55.8	58.8	61.7	63.4	64.5	66.2	69.7
97	UPPER THIGH C/SIT	57.87	4.27	22.79	1.68	7.4%	.06	3.13	2420	47.7	50.8	52.4	53.5	55.0	57.8	60.7	62.2	63.3	64.9	68.3
98	KNEE CIRCUMFERENCE	38.68	2.07	15.23	.82	5.4%	.13	3.28	2420	34.0	35.0	36.1	36.6	37.3	38.6	40.7	41.4	42.1	43.0	43.8
99	KNEE CIRCUM"CE/SIT	39.30	2.12	15.47	.84	5.4%	.30	3.22	2420	34.8	36.0	37.1	37.8	38.2	39.2	40.7	41.5	42.1	43.0	44.7
100	CALF CIRCUMF/RIGHT	37.19	2.27	14.64	.89	6.1%	.11	3.08	2420	32.0	33.5	34.3	34.8	35.6	37.2	38.7	39.5	40.1	41.0	42.6

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TABLE II-B

UNIVARIATE SUMMARY STATISTICS FOR
THE 1967 SURVEY OF USAF PERSONNEL

**   **

#	Dimension	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101	CALF CIRCUMF/LEFT	36.93	2.23	14.54	.88)	6.0%	.13	3.16	2420	31.9	33.3	34.1	34.6	35.4	36.9	38.4	39.2	39.7	40.6	42.6
102	ANKLE CIRCUMF"ENCE	22.41	1.26	8.82	.50)	5.6%	.19	3.12	2420	19.7	20.4	20.8	21.1	21.6	22.4	23.2	23.7	24.1	24.6	25.6
103	SCYE CIRCUMFERENCE	48.36	2.79	19.04	1.10)	5.8%	.08	3.00	2420	42.0	43.8	44.8	45.5	46.5	48.4	50.2	51.2	51.9	53.0	55.2
104	BICEPS C-EXTEND/RT	30.79	2.34	12.12	.92)	7.6%	.12	3.00	2420	25.5	27.0	27.4	27.9	28.8	30.8	32.3	33.2	33.8	34.7	36.7
105	BICEPS C-EXTEND/LT	30.39	2.34	11.97	.92)	7.7%	.10	2.99	2420	25.5	26.5	27.4	27.9	28.8	30.4	32.0	32.8	33.4	34.3	36.3
106	BICEPS C-FLEXED/RT	32.74	2.26	12.89	.89)	6.9%	.12	3.05	2420	27.6	29.1	29.3	30.4	31.2	32.7	34.2	35.1	35.7	36.6	38.3
107	BICEPS C-FLEXED/LT	32.12	2.25	12.65	.88)	7.0%	.16	3.06	2420	27.6	28.5	29.3	29.6	30.6	32.1	33.6	34.4	35.0	35.9	37.9
108	ELBOW CIR-EXTENDED	27.67	1.43	10.89	.56)	5.2%	.16	2.89	2420	24.6	25.4	25.8	26.2	26.7	27.6	28.6	29.2	29.6	30.1	31.2
109	ELBOW CIRC-FLEXED	31.24	1.75	12.30	.69)	5.6%	.18	2.98	2420	27.4	28.5	29.0	29.4	30.0	31.2	32.4	33.0	33.5	34.2	35.6
110	LOWER ARM C-EXTEND	28.16	1.46	11.09	.57)	5.2%	.10	2.93	2420	24.9	25.8	26.3	26.6	27.2	28.1	29.1	29.7	30.1	30.6	31.7
111	LOWER ARM C-FLEXED	29.77	1.58	11.72	.62)	5.3%	.17	3.06	2420	26.3	27.2	27.8	28.1	28.7	29.7	30.8	31.4	31.8	32.4	33.7
112	WRIST CIRCUMF"ENCE	17.59	.92	6.92	.36)	5.2%	.35	3.07	2420	15.7	16.2	16.5	16.6	17.0	17.5	18.2	18.6	18.8	19.2	20.1
113	SLVE L/SPINE-SCYE	28.45	1.81	11.20	.71)	6.4%	.08	2.94	2420	24.3	25.4	26.1	26.6	27.2	28.4	29.7	30.3	30.8	31.5	32.7
114	SLVE L/SPINE-ELBOW	60.57	2.62	23.85	1.03)	4.3%	.19	3.03	2420	54.8	56.4	57.3	57.9	58.8	60.5	62.3	63.3	64.0	65.0	67.0
115	SLVE L/SPINE-WRIST	90.81	3.52	35.75	1.39)	3.9%	.14	2.98	2420	83.1	85.2	86.4	87.2	88.4	90.7	93.2	94.5	95.4	96.8	99.2
116	ANTERIOR NECK LGTH	8.43	1.68	3.32	.66)	20.0%	-.31	3.29	2420	5.5	5.9	6.4	6.8	7.2	8.4	9.6	10.1	10.5	11.1	12.1
117	POSTERIOR NECK LTH	13.25	1.69	5.22	.66)	12.7%	.14	2.80	2420	9.5	10.6	11.1	11.5	12.1	13.2	14.4	15.1	15.5	16.1	17.1
118	SHOULDER LENGTH	16.60	1.26	6.54	.50)	7.6%	.26	3.18	2420	13.9	14.6	15.0	15.3	15.8	16.6	17.4	17.9	18.2	18.8	19.8
119	DELTOID ARC	15.91	1.33	6.26	.52)	8.4%	.47	3.48	2420	13.2	13.9	14.3	14.6	15.0	15.8	16.7	17.2	17.6	18.3	19.1
120	INTERSCYE	38.76	3.76	15.26	1.48)	9.7%	-.02	2.92	2420	29.9	32.5	33.9	34.8	36.2	38.8	41.3	42.7	43.6	45.0	47.4
121	INTERSCYE MAXIMUM	61.54	3.02	24.23	1.19)	4.9%	-.04	3.17	2420	54.0	56.6	57.8	58.5	59.6	61.5	63.5	64.6	65.4	66.6	68.7
122	WAIST FRONT-OMPH"N	40.42	2.22	15.91	.87)	5.5%	.30	3.23	2420	35.8	36.9	37.6	38.1	38.9	40.3	41.8	42.7	43.3	44.2	46.2
123	CROTCH LGTH-OMPH"N	70.61	4.43	27.80	1.74)	6.3%	.21	3.02	2420	61.1	63.6	65.0	66.0	67.5	70.4	73.5	75.2	76.4	78.2	81.7
124	WAIST BACK-OMPHL"N	46.92	2.37	18.47	.93)	5.1%	.15	3.09	2420	41.6	43.1	43.9	44.5	45.3	46.8	48.5	49.4	50.0	50.9	52.6
125	FOOT LENGTH	27.03	1.19	10.64	.47)	4.4%	.09	3.19	2420	24.3	25.1	25.5	25.8	26.2	27.0	27.8	28.3	28.6	29.0	30.0
126	INSTEP LENGTH	19.79	.95	7.79	.37)	4.8%	.31	3.02	2420	17.6	18.3	18.6	18.8	19.2	19.8	20.4	20.8	21.0	21.4	22.1
127	FOOT BREADTH	9.77	.50	3.85	.19)	5.1%	.26	3.13	2420	8.7	8.9	9.1	9.3	9.4	9.8	10.1	10.3	10.4	10.6	11.0
128	BALL-OF-FOOT CIRC	24.84	1.23	9.78	.48)	5.0%	.26	3.13	2420	22.1	22.9	23.3	23.6	24.0	24.8	25.6	26.1	26.4	27.0	28.1
129	INSTEP CIRCUMF"NCE	25.69	1.21	10.12	.48)	4.7%	.33	3.24	2420	23.1	23.8	24.2	24.5	24.9	25.6	26.5	26.9	27.3	27.8	28.8
130	HEEL CIRCUMFERENCE	33.95	1.41	13.36	.56)	4.2%	.13	3.03	2420	30.8	31.7	32.1	32.5	33.0	33.9	34.9	35.4	35.8	36.3	37.3
131	BI-MALLEOLAR BRDTH	7.33	.38	2.88	.15)	5.2%	.21	3.23	2420	6.5	6.7	6.9	6.9	7.1	7.3	7.6	7.7	7.8	8.0	8.3
132	LAT"L MALLEOLUS HT	7.04	.54	2.77	.21)	7.7%	.14	3.11	2420	5.8	6.2	6.4	6.5	6.7	7.0	7.4	7.6	7.7	8.0	8.4
133	MED"L MALLEOLUS HT	8.57	.57	3.37	.22)	6.6%	.03	2.89	2420	7.3	7.6	7.8	8.0	8.2	8.6	8.9	9.2	9.3	9.5	9.9
134	HAND LENGTH	19.11	.82	7.52	.32)	4.3%	-.16	3.01	2420	17.3	17.8	18.1	18.3	18.5	19.1	19.7	20.0	20.2	20.5	21.1
135	PALM LENGTH	10.83	.54	4.26	.21)	5.0%	.13	2.86	2420	9.6	10.0	10.2	10.3	10.5	10.8	11.2	11.4	11.5	11.7	12.1
136	HAND BR/METACARPLE	8.40	.41	3.50	.16)	4.9%	.17	2.96	2420	7.4	7.8	7.9	8.0	8.1	8.4	8.6	8.8	9.0	9.2	9.6
137	HAND BRTH AT THUMB	10.19	.50	4.01	.20)	4.9%	.17	3.09	2420	9.1	9.4	9.6	9.7	9.9	10.2	10.5	10.7	10.8	11.0	11.4
138	HAND C/METACARPALE	21.55	.94	8.49	.37)	4.3%	.11	2.94	2420	19.4	20.0	20.4	20.6	20.9	21.5	22.2	22.5	22.8	23.1	23.8
139	HAND C ROUND THUMB	25.75	1.08	10.14	.43)	4.2%	.17	2.91	2420	23.4	24.1	24.4	24.6	25.0	25.7	26.5	26.9	27.2	27.6	28.3
140	HAND THICK/META-3	2.77	.21	1.09	.08)	7.6%	.02	3.74	2420	2.2	2.4	2.5	2.6	2.6	2.8	2.9	3.0	3.0	3.1	3.3
141	HEAD CIRCUMFERENCE	57.52	1.43	22.65	.56)	2.5%	.12	2.91	2420	54.4	55.2	55.7	56.0	56.5	57.5	58.5	59.0	59.4	59.9	61.0
142	SAGITTAL ARC/INION	34.64	1.66	13.64	.65)	4.8%	-.02	2.85	2420	30.8	31.9	32.5	32.9	33.5	34.7	35.8	36.4	36.8	37.4	38.4
143	MINIMUM FRONTL ARC	13.60	.79	5.35	.31)	5.8%	.12	3.02	2420	11.8	12.3	12.6	12.8	13.1	13.6	14.1	14.4	14.6	14.9	15.5
144	BITRAGION-CORONAL	35.76	1.26	14.08	.50)	3.5%	-.06	3.03	2420	32.8	33.7	34.1	34.6	35.1	35.8	36.6	37.1	37.4	38.1	38.8
145	BITRAGN-MIN FRNTAL	30.81	1.00	12.13	.39)	3.2%	-.01	3.10	2420	27.6	29.2	29.5	29.8	30.1	30.8	31.5	32.1	32.4	32.5	33.2
146	BITRAG"N-SUBNASALE	29.31	1.02	11.54	.40)	3.5%	.01	2.96	2420	27.0	27.6	28.0	28.3	28.6	29.3	30.0	30.4	30.6	31.0	31.7
147	BITRAGION-MENTON	32.65	1.24	12.85	.49)	3.8%	.08	2.79	2420	29.4	30.6	31.0	31.3	31.8	32.6	33.5	34.0	34.3	34.7	35.4
148	BIT-SUBMANDIBULAR	30.38	1.58	12.20	.62)	5.1%	.05	2.93	2420	26.4	28.4	28.9	29.3	29.9	31.0	32.0	32.6	33.0	33.6	34.7
149	BITRAG"N-POSTERIOR	29.45	1.49	11.59	.59)	5.1%	.42	3.14	2420	26.4	27.2	27.6	27.9	28.4	29.3	30.4	31.0	31.5	32.1	33.3
150	HEAD LENGTH	19.87	.67	7.82	.27)	3.4%	.10	3.17	2420	18.3	18.8	19.0	19.2	19.4	19.9	20.3	20.6	20.7	21.0	21.5

TABLE II-B

#	Measurement	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
151	HEAD DIAGNL/MENTON	25.60	.76	10.08	.30)	3.0%	.12	2.94	2420	23.9	24.4	24.6	24.8	25.1	25.6	26.1	26.4	26.6	26.9	27.4
152	HD DIAG/INION-NOSE	21.94	1.01	8.64	.40)	4.6%	.00	3.12	2420	19.6	20.2	20.6	20.9	21.3	22.0	22.6	23.0	23.2	23.5	24.3
153	EAR BREADTH	3.80	.30	1.50	.12)	7.9%	.20	3.34	2420	3.1	3.3	3.4	3.5	3.6	3.8	4.0	4.1	4.2	4.3	4.6
154	EAR LENGTH	6.60	.43	2.60	.17)	6.5%	.15	3.41	2420	5.6	5.9	6.1	6.2	6.3	6.6	6.9	7.0	7.1	7.3	7.7
155	EAR L ABVE TRAGION	2.94	.29	1.16	.12)	10.0%	.34	3.32	2420	2.3	2.5	2.6	2.6	2.7	2.9	3.1	3.2	3.3	3.4	3.7
156	HEAD BREADTH	15.60	.54	6.14	.21)	3.5%	.13	2.94	2420	14.4	14.7	14.9	15.0	15.2	15.6	16.0	16.2	16.3	16.5	16.9
157	MAXIMUM FRONTAL BR	11.60	.46	4.57	.18)	3.9%	.03	3.36	2420	10.5	10.8	11.0	11.1	11.2	11.6	11.9	12.1	12.2	12.4	12.7
158	BITRAGION BREADTH	14.25	.56	5.61	.22)	3.9%	.06	2.97	2420	13.0	13.4	13.5	13.7	13.9	14.2	14.6	14.8	15.0	15.2	15.6
159	BIZYGOMATIC BR"DTH	14.23	.52	5.60	.20)	3.6%	.04	3.08	2420	13.0	13.4	13.6	13.7	13.9	14.2	14.6	14.8	14.9	15.1	15.5
160	BIGONIAL BREADTH	11.73	.69	4.62	.27)	5.9%	.12	2.93	2420	10.2	10.6	10.9	11.0	11.2	11.7	12.2	12.5	12.6	12.9	13.4
161	EAR-TO-EAR BREADTH	18.83	.81	7.41	.32)	4.3%	.10	2.93	2420	17.0	17.5	17.8	18.0	18.3	18.8	19.4	19.7	19.9	20.2	20.8
162	BIOCULAR BREADTH	9.17	.49	3.61	.19)	5.3%	.21	2.94	2420	8.1	8.4	8.6	8.7	8.8	9.5	9.7	9.7	9.8	10.0	10.4
163	INTERPUPILLARY BRD	6.27	.36	2.47	.14)	5.8%	.23	3.18	2420	5.5	5.7	5.8	5.9	6.0	6.3	6.5	6.6	6.7	6.9	7.2
164	INTEROCULAR BR"DTH	3.33	.28	1.31	.11)	8.3%	.11	3.08	2420	2.7	2.9	3.0	3.0	3.1	3.3	3.5	3.6	3.7	3.8	4.0
165	NOSE BREADTH	3.54	.29	1.39	.12)	8.3%	.50	4.02	2420	2.9	3.1	3.2	3.3	3.3	3.5	3.7	3.8	3.9	4.0	4.3
166	LIP LENGTH	5.23	.37	2.06	.15)	7.2%	-.03	3.16	2420	4.3	4.6	4.7	4.8	5.0	5.2	5.5	5.6	5.7	5.8	6.1
167	EAR PROTRUSION	2.16	.34	.85	.13)	15.5%	.26	2.91	2420	1.4	1.6	1.7	1.8	1.9	2.1	2.4	2.5	2.6	2.8	3.0
168	SUBNASALE-NASAL RT	5.13	.37	2.02	.15)	7.3%	-.03	3.09	2420	4.2	4.5	4.7	4.8	4.9	5.1	5.4	5.4	5.6	5.7	6.0
169	PHILTRUM LENGTH	1.55	.28	.61	.11)	17.8%	.16	3.03	2420	.9	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.2
170	LIP-TO-LIP LENGTH	1.73	.38	.68	.15)	22.1%	.21	3.50	2420	.7	1.1	1.2	1.3	1.5	1.8	2.0	2.1	2.2	2.3	2.6
171	MENTON-SUBNASALE L	6.90	.53	2.72	.21)	7.6%	.02	2.91	2420	5.7	6.0	6.2	6.4	6.5	6.9	7.3	7.5	7.6	7.8	8.1
172	MENTON-NASAL ROOT	12.03	.61	4.74	.24)	5.1%	.09	3.10	2420	10.7	11.0	11.3	11.4	11.6	12.0	12.4	12.7	12.8	13.0	13.5
173	GLABELLA-TO-VERTEX	9.27	.97	3.65	.38)	10.5%	.16	3.04	2420	7.1	7.7	8.0	8.3	8.6	9.3	9.9	10.3	10.5	10.9	11.7
174	NASAL ROOT-TO-VRTX	10.75	.94	4.23	.37)	8.7%	.14	3.00	2420	8.7	9.2	9.6	9.8	10.1	10.7	11.4	11.7	12.0	12.3	13.0
175	XTRNL CANTHUS-VRTX	11.95	.77	4.71	.30)	6.4%	.11	3.01	2420	10.2	10.7	11.0	11.2	11.4	11.9	12.5	12.8	13.0	13.3	13.8
176	PRONASALE-TO-VRTX	14.74	1.10	5.80	.43)	7.5%	.16	3.04	2420	12.3	13.0	13.4	13.6	14.0	14.7	15.5	15.9	16.2	16.6	17.5
177	SUBNASALE-TO-VRTX	16.09	1.02	6.33	.40)	6.4%	.10	2.93	2420	13.8	14.4	14.8	15.0	15.4	16.1	16.8	17.2	17.4	17.8	18.5
178	STOMION-TO-VERTEX	18.37	1.00	7.23	.39)	5.4%	.09	2.96	2420	16.1	16.7	17.1	17.3	17.7	18.3	19.0	19.4	19.7	20.0	20.7
179	MENTON-TO-VERTEX	22.77	1.02	8.97	.40)	4.5%	-.02	2.87	2420	20.4	21.1	21.4	21.7	22.1	22.8	23.5	23.8	24.1	24.4	25.1
180	TRAGION-TO-VERTEX	13.45	.61	5.29	.24)	4.5%	.00	3.00	2420	12.0	12.4	12.7	12.8	13.0	13.5	13.9	14.1	14.2	14.4	14.9
181	GLABELLA-TO-WALL	20.35	.67	8.01	.27)	3.3%	.10	3.06	2420	18.8	19.3	19.5	19.7	19.9	20.3	20.8	21.1	21.2	21.5	22.0
182	NASAL ROOT-TO-WALL	20.17	.66	7.94	.26)	3.3%	.08	3.09	2420	18.7	19.1	19.3	19.5	19.7	20.1	20.5	20.9	21.0	21.3	21.8
183	XTRNL CANTHUS-WALL	17.79	.66	7.00	.26)	3.7%	.00	3.12	2420	16.2	16.7	17.0	17.1	17.4	17.8	18.2	18.5	18.6	18.9	19.3
184	PRONASALE-TO-WALL	22.68	.75	8.93	.30)	3.3%	-.13	3.02	2420	20.8	21.4	21.7	21.9	22.2	22.7	23.2	23.5	23.6	23.9	24.4
185	SUBNASALE-TO-WALL	20.99	.79	8.26	.31)	3.7%	.10	3.00	2420	19.1	19.7	20.0	20.3	20.6	21.0	21.8	21.8	22.0	22.3	22.8
186	LIP PROMIN"CE-WALL	21.16	.86	8.33	.34)	4.1%	-.07	2.90	2420	19.1	19.7	20.0	20.3	20.5	21.2	21.8	22.0	22.3	22.5	23.1
187	CHIN PROMINCE-WALL	20.47	1.05	8.06	.41)	5.1%	-.06	2.96	2420	18.0	18.7	19.1	19.4	19.8	20.5	21.2	21.5	21.8	22.2	22.9
188	TRAGION-TO-WALL	10.33	.65	4.07	.26)	6.3%	.08	3.11	2420	8.8	9.3	9.5	9.7	9.9	10.3	10.8	11.0	11.2	11.4	11.9
189	GUESSED HEIGHT	176.76	5.96	69.59	2.35)	3.4%	.00	2.83	2420	162.8	166.7	168.9	170.5	172.7	176.7	180.8	183.0	184.5	186.7	191.1
190	GUESSED WEIGHT	78.50	8.85	173.05	19.50)	11.3%	.18	2.75	2420	59.1	64.5	67.3	69.3	72.2	78.0	84.2	87.7	90.1	93.7	100.4

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TABLE II-C

UNIVARIATE SUMMARY STATISTICS FOR
THE 1950 SURVEY OF USAF PERSONNEL

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#	Dimension	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1	HEIGHT	74.10	9.43	163.35	20.80	12.7%	0.44	3.01	4000	50.3	52.2	54.7	57.2	62.1	74.2	85.2	89.6	91.8	94.0	108.1
2	HEIGHT (STATURE)	175.56	6.16	69.12	2.43	3.5%	0.01	3.10	4000	161.3	165.1	167.1	169.1	171.5	175.6	179.6	181.8	183.1	185.7	190.6
3	NASAL ROOT HEIGHT	165.00	6.02	64.96	2.37	3.7%	0.01	3.10	4000	150.0	155.1	157.3	158.8	161.0	165.0	169.0	171.2	172.7	175.0	179.7
4	EYE HEIGHT	164.34	6.02	64.70	2.37	3.7%	0.00	3.09	4000	150.1	154.4	156.7	158.2	160.3	164.2	168.3	170.5	172.0	174.0	179.8
5	TRAGION HEIGHT	162.38	6.02	63.93	2.37	3.7%	-0.01	3.05	4000	148.6	152.4	154.6	156.1	158.2	162.4	166.4	168.6	170.1	172.0	176.9
6	CERVICALE HEIGHT	150.11	5.81	59.10	2.29	3.9%	-0.01	3.04	4000	136.5	140.5	142.7	144.1	146.1	150.1	154.0	156.1	157.5	159.7	163.9
7	SHOULDER HEIGHT	143.55	5.73	56.52	2.26	4.0%	-0.00	3.01	4000	130.3	134.1	136.2	137.6	139.7	143.6	147.4	149.5	150.9	152.9	157.2
8	SUPRASTERNALE HT	142.97	5.53	56.29	2.18	3.9%	0.02	3.07	4000	130.5	133.9	135.9	137.2	139.3	142.7	146.0	148.7	150.0	152.0	156.3
9	NIPPLE HEIGHT	128.10	5.22	50.43	2.05	4.1%	0.02	3.01	4000	116.4	119.6	121.7	122.7	124.5	128.1	131.6	133.5	135.0	136.8	140.6
11	ELBOW HEIGHT	110.51	4.48	43.51	1.76	4.1%	0.02	2.96	4000	100.3	103.1	104.7	105.8	107.5	110.6	113.6	115.2	116.3	117.9	122.2
12	WAIST HEIGHT	106.77	4.56	42.04	1.79	4.3%	0.04	3.21	4000	95.9	99.3	101.0	102.1	103.8	106.8	109.8	111.4	112.6	114.3	117.9
14	WRIST HEIGHT	85.19	3.88	33.54	1.53	4.5%	0.03	2.95	4000	76.4	78.8	80.1	81.1	82.5	85.2	87.8	89.2	90.2	91.6	94.4
15	CROTCH HEIGHT	83.39	4.33	32.83	1.71	5.2%	0.02	3.01	4000	73.2	76.2	77.8	78.9	80.4	83.4	86.3	87.9	89.0	90.6	93.6
16	GLUTEAL FURROW HT	80.18	4.09	31.57	1.61	5.1%	0.06	3.05	4000	70.9	73.5	74.9	76.0	77.4	80.1	82.9	84.4	85.4	87.0	90.1
17	KNUCKLE HEIGHT	76.32	3.64	30.05	1.43	4.8%	0.06	2.98	4000	68.0	70.3	71.6	72.5	73.8	76.3	78.8	80.1	81.0	82.4	85.0
18	KNEECAP HEIGHT	51.34	2.58	20.21	1.01	5.0%	0.10	2.94	4000	45.5	47.2	48.1	48.7	49.6	51.3	53.0	54.0	54.7	55.7	57.6
19	SITTING HEIGHT	91.30	3.23	35.95	1.27	3.5%	-0.04	3.10	4000	83.8	85.9	87.1	87.9	89.1	91.3	93.5	94.6	95.4	96.6	98.9
20	EYE HT/SITTING	79.96	3.19	31.48	1.25	4.0%	-0.03	3.15	4000	72.3	74.6	75.8	76.6	77.8	80.0	82.1	83.3	84.1	85.2	87.5
21	SHOULDER HT/SITT"G	59.09	2.85	23.26	1.12	4.8%	-0.07	2.96	4000	52.3	54.3	55.4	56.1	57.2	59.1	61.0	62.0	62.7	63.7	65.6
22	WAIST HT/SITTING	23.46	1.91	9.24	0.75	8.1%	-0.17	2.96	4000	18.8	20.2	20.9	21.5	22.2	23.5	24.8	25.4	25.9	26.5	27.6
23	ELBOW REST HT/SIT	23.17	2.59	9.12	1.02	11.2%	-0.06	3.03	4000	17.0	18.9	19.9	20.5	21.5	23.2	24.9	25.9	26.5	27.4	29.0
24	THIGH CLEARANCE HT	14.24	1.30	5.60	0.51	9.1%	0.02	2.83	4000	11.3	12.1	12.6	12.9	13.3	14.2	15.0	15.6	15.9	16.4	17.2
25	KNEE HT/SITTING	55.04	2.48	21.67	0.98	4.5%	0.05	2.99	4000	49.5	51.0	51.8	52.4	53.3	55.0	56.7	57.6	58.2	59.2	61.0
26	POPLITEAL HT/SIT	43.09	1.93	16.97	0.76	4.5%	0.05	3.09	4000	38.7	40.0	40.6	41.1	41.8	43.1	44.4	45.1	45.6	46.3	47.7
27	BUTTOCK-KNEE LENGTH	59.99	2.67	23.62	1.05	4.4%	0.00	3.12	4000	53.9	55.6	56.6	57.2	58.2	60.0	61.8	62.7	63.4	64.5	66.6
28	BUTTOCK-LEG LENGTH	108.46	5.14	42.70	2.02	4.7%	0.14	3.12	4000	97.1	100.1	101.9	103.1	104.9	108.4	111.8	113.7	115.0	117.0	121.1
29	SHOULDER-ELBOW LTH	36.37	1.72	14.32	0.68	4.7%	-0.03	2.98	4000	32.5	33.5	34.1	34.6	35.2	36.4	37.5	38.2	38.6	39.2	40.3
30	FOREARM-HAND LNGTH	47.88	2.03	18.85	0.80	4.2%	-0.02	3.08	4000	43.2	44.5	45.3	45.8	46.5	47.9	49.3	50.0	50.5	51.2	52.6
31	SPAN	179.81	7.42	70.79	2.92	4.1%	-0.03	3.14	4000	162.4	167.7	170.4	172.2	174.9	179.8	184.8	187.5	189.4	192.1	197.1
32	ARM REACH FR. WALL	87.86	4.15	34.59	1.63	4.7%	0.05	3.07	4000	78.5	81.1	82.5	83.5	85.0	87.8	90.6	92.2	93.2	94.8	97.9
33	MAXIMUM REACH/WALL	98.01	4.73	38.59	1.86	4.8%	0.03	3.05	4000	87.2	90.7	91.9	93.1	94.8	98.0	101.2	102.8	104.0	105.8	109.5
34	FUNCTIONAL REACH	82.05	4.03	32.30	1.59	4.9%	0.10	3.01	4000	73.0	75.5	76.9	77.9	79.3	82.0	84.7	86.2	87.2	88.8	92.1
35	ELBOW-ELBOW BRDTH	43.90	3.55	17.28	1.40	8.1%	0.40	3.02	4000	36.9	38.6	39.5	40.2	41.3	43.6	46.2	47.7	48.7	50.2	53.2
36	HIP BREADTH/SIT"NG	35.46	2.17	13.96	0.85	6.1%	0.32	3.11	4000	30.4	31.8	32.7	33.2	34.0	35.5	36.9	37.6	38.2	39.1	40.9
37	KNEE-KNEE BRTH/SIT	20.11	1.25	7.92	0.49	6.2%	0.58	3.62	4000	17.6	18.3	18.6	18.9	19.2	20.0	20.9	21.4	21.8	22.4	23.6
38	BIACROMIAL DIAM"R	40.01	1.83	15.75	0.72	4.6%	-0.05	3.09	4000	35.6	37.0	37.7	38.1	38.8	40.0	41.2	41.9	42.3	43.0	44.2
39	SHOULDER BREADTH	45.41	2.29	17.88	0.90	5.0%	0.18	3.03	4000	40.4	41.8	42.6	43.0	43.9	45.3	46.9	47.8	48.4	49.3	50.9
40	CHEST BREADTH	30.53	2.00	12.02	0.79	6.5%	0.33	3.19	4000	26.2	27.3	28.1	28.5	29.2	30.4	31.8	32.6	33.2	34.1	35.8
41	WAIST BREADTH	27.05	2.32	10.65	0.91	8.6%	0.62	3.57	4000	22.6	23.7	24.3	24.7	25.4	26.8	28.5	29.5	30.2	31.3	33.5
42	HIP BREADTH	33.47	1.76	13.18	0.69	5.2%	0.24	3.05	4000	29.7	31.3	31.7	32.2	32.6	33.4	34.6	35.3	35.8	36.5	37.8
43	CHEST DEPTH	23.00	1.87	9.06	0.74	8.1%	0.37	3.14	4000	19.2	20.2	20.7	21.1	21.7	22.9	24.2	25.0	25.5	26.3	27.8
44	WAIST DEPTH	20.16	2.16	7.94	0.85	10.7%	0.60	3.37	4000	16.1	17.1	17.6	18.0	18.6	19.9	21.5	22.3	23.1	24.2	26.1
45	BUTTOCK DEPTH	22.35	2.04	8.80	0.80	9.1%	0.33	2.94	4000	18.2	19.2	19.8	20.2	20.9	22.3	23.7	24.5	25.1	26.0	27.5
46	NECK CIRCUMFERENCE	37.96	1.80	14.94	0.71	4.7%	0.26	3.13	4000	34.2	35.1	35.7	36.1	36.7	37.9	39.1	39.8	40.3	41.0	42.6
47	SHOULDER CIRCUM"CE	114.93	5.92	45.25	2.33	5.2%	0.36	3.25	4000	102.4	105.8	107.6	108.9	110.8	114.5	118.7	121.1	122.8	125.3	130.3
48	CHEST CIRCUM"ENCE	98.48	6.04	38.77	2.38	6.1%	0.89	3.09	4000	86.1	89.2	91.0	92.4	94.2	98.0	102.4	104.8	106.5	109.5	113.7
49	WAIST CIRCUM"ENCE	81.23	7.49	31.98	2.95	9.2%	0.57	3.24	4000	67.4	70.4	72.2	73.6	75.7	80.4	85.9	89.2	91.5	95.0	101.2
50	BUTTOCK CIRCUMF"CE	95.96	5.67	37.78	2.23	5.9%	0.31	2.96	4000	84.3	87.2	88.9	90.1	91.9	95.6	99.7	102.0	103.6	105.9	110.1

TABLE II-C

UNIVARIATE SUMMARY STATISTICS FOR THE 1950 SURVEY OF USAF PERSONNEL

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 THIGH CIRCUMF"ENCE	56.84	4.30	22.38	1.69	7.6%	0.12	2.88	4000	47.6	49.8	51.2	52.3	53.8	56.8	59.8	61.4	62.5	64.1	67.2
52 LOWER THIGH CIRC.	43.95	3.46	17.30	1.36	7.9%	0.11	2.94	4000	36.2	38.2	39.4	40.3	41.5	43.9	46.3	47.5	48.4	49.8	52.5
53 CALF CIRCUMFERENCE	36.53	2.37	14.38	0.93	6.5%	0.15	3.00	4000	31.3	32.7	33.5	34.0	34.9	36.4	38.1	39.0	39.6	40.5	42.4
54 ANKLE CIRCUMF"ENCE	22.56	1.31	8.88	0.52	5.8%	0.24	3.27	4000	19.8	20.5	20.9	21.2	21.7	22.5	23.4	23.9	24.3	24.8	25.9
55 SCYE CIRCUMFERENCE	45.93	3.37	18.08	1.33	7.3%	0.36	3.26	4000	39.0	40.8	41.8	42.5	43.6	45.7	48.0	49.4	50.4	51.9	54.9
56 AXILLARY ARM CIRC.	31.74	2.62	12.49	1.03	8.3%	0.23	2.88	4000	26.3	27.6	28.4	29.0	29.7	31.6	33.5	34.5	35.2	36.2	38.1
57 BICEPS CIRC-FLEXED	32.41	2.56	12.76	1.01	7.9%	0.29	2.86	4000	27.0	28.4	29.2	29.7	30.6	32.3	34.1	35.1	35.8	36.8	38.8
58 ELBOW CIRC-FLEXED	31.05	1.93	12.22	0.76	6.2%	0.27	3.07	4000	27.0	28.0	28.6	29.0	29.7	31.0	32.3	33.0	33.6	34.4	36.0
59 LOWER ARM C-FLEXED	29.16	1.79	11.48	0.71	6.2%	0.18	2.96	4000	25.2	26.3	26.9	27.3	27.9	29.1	30.4	31.1	31.5	32.2	33.5
60 WRIST CIRCUMF"ENCE	17.37	0.91	6.84	0.36	5.2%	0.25	3.23	4000	15.4	15.9	16.2	16.5	16.8	17.4	18.0	18.3	18.6	18.9	19.7
61 SLEEVE INSEAM	50.28	2.84	19.79	1.12	5.6%	0.03	3.06	4000	43.6	45.6	46.6	47.3	48.4	50.2	52.2	53.2	53.9	55.0	57.0
62 SLEEVE LENGTH	85.35	3.76	33.60	1.48	4.4%	0.01	2.88	4000	76.2	79.3	80.5	81.3	82.8	85.3	87.8	89.2	90.1	91.6	94.5
63 ANTERIOR NECK LGTH	8.66	1.61	3.41	0.64	18.6%	-0.09	3.00	4000	4.7	5.9	6.5	7.0	7.6	8.7	9.7	10.3	10.7	11.3	12.4
64 POSTERIOR NECK LTH	9.22	1.54	3.63	0.60	16.7%	0.19	3.11	4000	5.9	6.7	7.3	7.6	8.2	9.2	10.2	10.8	11.2	11.8	13.1
65 SHOULDER LENGTH	17.17	1.37	6.76	0.54	8.0%	0.05	3.14	4000	13.9	15.0	15.5	16.0	16.3	17.2	18.1	18.6	18.9	19.4	20.5
66 WAIST BACK	44.97	2.57	17.71	1.01	5.7%	0.11	2.99	4000	39.1	40.8	41.7	42.3	43.2	44.9	46.7	47.7	48.3	49.3	51.1
67 WAIST FRONT	38.65	2.66	15.22	1.05	6.9%	0.20	3.31	4000	32.6	34.4	35.3	35.9	36.8	38.5	40.3	41.4	42.1	43.2	45.2
68 GLUTEAL ARC	29.55	1.99	11.63	0.78	6.7%	0.06	2.98	4000	24.8	26.3	27.0	27.3	27.9	29.5	30.9	31.6	32.2	32.9	34.2
69 CROTCH LENGTH	71.50	4.84	28.15	1.91	6.8%	0.20	3.17	4000	60.7	63.8	65.4	66.6	68.2	71.4	74.6	76.5	77.8	79.8	84.0
70 VERTICAL TRUNK C.	164.53	7.18	64.78	2.83	4.4%	0.09	2.96	4000	148.3	153.0	155.7	157.1	159.6	164.3	169.3	172.1	173.9	176.9	181.5
71 INTERSCYE	49.77	3.51	19.59	1.38	7.0%	0.05	3.03	4000	41.7	44.0	45.3	46.1	47.4	49.8	52.1	53.4	54.3	55.6	58.2
72 INTERSCYE-MAXIMUM	57.88	3.35	22.79	1.32	5.8%	0.10	3.00	4000	50.2	52.5	53.7	54.5	55.6	57.8	60.1	61.3	62.2	63.5	65.9
73 BUTTOCK CIRC/SIT.	105.88	7.01	41.69	2.76	6.6%	0.38	3.13	4000	91.8	95.2	97.3	98.1	101.4	105.5	110.4	113.2	115.2	118.3	124.6
74 KNEE CIRC/SITTING	39.05	2.25	15.37	0.89	5.8%	0.30	3.13	4000	34.3	35.5	36.2	36.7	37.5	38.9	40.5	41.4	42.0	43.0	44.9
75 FOOT LENGTH	26.68	1.15	10.50	0.45	4.3%	0.04	3.13	4000	24.0	24.8	25.2	25.5	25.9	26.7	27.4	27.8	28.1	28.6	29.5
76 INSTEP LENGTH	19.40	0.86	7.64	0.34	4.4%	0.02	3.13	4000	17.4	18.0	18.3	18.5	18.8	19.4	20.0	20.3	20.5	20.8	21.4
77 FOOT BREADTH	9.65	0.47	3.80	0.19	4.9%	0.14	3.01	4000	8.6	8.9	9.1	9.3	9.4	9.6	10.0	10.1	10.3	10.5	10.8
78 HEEL BREADTH	6.69	0.37	2.64	0.15	5.6%	0.13	3.06	4000	5.9	6.1	6.2	6.3	6.4	6.7	6.9	7.1	7.2	7.3	7.6
79 BI-MALLEOLAR BR"TH	7.49	0.38	2.95	0.15	5.0%	0.12	2.97	4000	6.6	6.9	7.0	7.1	7.2	7.5	7.7	7.9	8.0	8.1	8.4
80 MED"L MALLEOLUS HT	8.78	0.53	3.46	0.21	6.0%	0.07	3.08	4000	7.6	7.9	8.1	8.2	8.4	8.8	9.1	9.3	9.5	9.7	10.1
81 LAT"L MALLEOLUS HT	6.94	0.56	2.73	0.22	8.1%	0.20	3.20	4000	5.7	6.0	6.2	6.4	6.6	6.9	7.3	7.5	7.6	7.9	8.4
82 BALL OF FOOT CIRC.	24.45	1.20	9.63	0.47	4.9%	0.12	3.10	4000	21.7	22.6	23.0	23.2	23.6	24.4	25.2	25.7	26.0	26.5	27.4
83 HAND LENGTH	19.02	0.85	7.49	0.34	4.5%	0.04	3.02	4000	17.1	17.6	17.9	18.1	18.4	19.0	19.6	19.9	20.1	20.4	21.0
84 PALM LENGTH	10.77	0.54	4.24	0.21	5.0%	0.08	2.95	4000	9.6	9.9	10.1	10.2	10.4	10.8	11.1	11.3	11.5	11.7	12.0
85 HAND BREADTH/THUMB	10.35	0.53	4.08	0.21	5.1%	0.07	2.95	4000	9.1	9.5	9.7	9.8	10.0	10.3	10.7	10.9	11.1	11.2	11.6
86 HAND B/METACARPALE	8.83	0.41	3.48	0.16	4.6%	0.10	2.85	4000	7.9	8.2	8.3	8.4	8.5	8.8	9.1	9.3	9.4	9.5	9.8
87 THICKNESS-META III	2.97	0.17	1.17	0.07	5.9%	-0.07	3.44	4000	2.5	2.7	2.8	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4
89 FINGER DIAMETER	2.13	0.12	0.84	0.05	5.7%	-0.10	1.95	4000	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3
90 GRIP DIAM"R INSIDE	4.76	0.33	1.87	0.13	6.9%	-0.11	3.71	4000	4.1	4.4	4.4	4.4	4.7	4.7	5.0	5.0	5.0	5.3	5.7
91 GRIP DIAM. OUTSIDE	10.36	0.56	4.08	0.22	5.4%	-0.14	3.30	4000	9.0	9.4	9.6	9.8	10.0	10.4	10.7	10.9	11.1	11.3	11.7
92 FIST CIRCUMFERENCE	29.32	1.36	11.54	0.54	4.6%	-0.05	2.89	4000	26.1	27.1	27.6	27.9	28.4	29.3	30.2	30.8	31.1	31.6	32.5
93 HEAD LENGTH	19.70	0.64	7.76	0.25	3.3%	0.02	2.95	4000	18.2	18.7	18.9	19.0	19.3	19.7	20.1	20.4	20.5	20.8	21.2
94 HEAD BREADTH	15.41	0.51	6.07	0.20	3.3%	-0.14	3.05	4000	14.3	14.6	14.8	14.9	15.1	15.4	15.7	15.9	16.1	16.3	16.7
95 MIN FRONTAL DIAM"R	11.06	0.49	4.35	0.19	4.4%	-0.01	3.12	4000	10.0	10.3	10.5	10.6	10.7	11.1	11.4	11.6	11.7	11.9	12.3
96 MAX FRONTAL DIAM"R	11.96	0.50	4.71	0.20	4.2%	-0.15	3.18	4000	10.8	11.2	11.3	11.5	11.6	11.9	12.3	12.5	12.6	12.8	13.2
97 BIZYGOMATIC DIAM"R	14.09	0.50	5.55	0.20	3.5%	0.07	3.06	4000	12.9	13.3	13.5	13.6	13.8	14.1	14.4	14.6	14.7	14.9	15.3
98 BIGONIAL DIAMETER	10.86	0.55	4.27	0.22	5.1%	0.10	3.09	4000	9.6	10.0	10.2	10.3	10.5	10.9	11.2	11.4	11.6	11.8	12.1
99 BITRAGION DIAMETER	14.22	0.53	5.60	0.21	3.7%	0.01	3.23	4000	12.9	13.4	13.6	13.7	13.9	14.2	14.6	14.8	14.9	15.1	15.5
100 INTEROCULAR DIAM"R	3.17	0.25	1.25	0.10	8.0%	0.19	3.00	4000	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.8

TABLE II-C

UNIVARIATE SUMMARY STATISTICS FOR
THE 1950 SURVEY OF USAF PERSONNEL

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101 BIOCULAR DIAMETER	9.59	0.44	3.77	0.17)	4.6%	0.01	2.90	4.000	8.6	8.9	9.0	9.1	9.3	9.6	9.9	10.0	10.1	10.3	10.6
102 INTERPUPILLARY DIS	6.33	0.36	2.49	0.14)	5.7%	0.22	2.89	4.000	5.6	5.8	5.9	5.9	6.1	6.3	6.6	6.7	6.8	6.9	7.2
103 NOSE LENGTH	5.09	0.34	2.01	0.13)	6.7%	0.08	2.95	4.000	4.3	4.5	4.7	4.9	4.9	5.1	5.3	5.5	5.5	5.7	5.9
104 NOSE BREADTH	3.33	0.26	1.31	0.10)	7.7%	0.16	3.21	4.000	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0
105 NASAL ROOT BREADTH	1.55	0.21	0.61	0.08)	13.6%	0.05	3.04	4.000	1.0	1.2	1.3	1.3	1.4	1.6	1.7	1.8	1.8	1.9	2.0
106 NOSE PROTRUSION	2.27	0.28	0.89	0.11)	12.5%	0.10	3.30	4.000	1.6	1.8	1.9	2.0	2.1	2.3	2.5	2.5	2.6	2.7	3.0
107 PHILTRUM LENGTH	1.94	0.34	0.76	0.13)	17.4%	-0.03	2.64	4.000	1.2	1.4	1.5	1.6	1.7	1.9	2.2	2.3	2.4	2.5	2.7
108 MENTON-SUBNASALE	6.67	0.69	2.62	0.27)	10.3%	-0.11	2.71	4.000	5.2	5.6	5.8	5.9	6.2	6.7	7.1	7.4	7.6	7.8	8.3
110 LIP-LIP DISTANCE	1.62	0.31	0.64	0.12)	18.9%	-0.02	3.16	4.000	0.9	1.1	1.2	1.3	1.4	1.6	1.8	1.9	2.0	2.1	2.3
111 LIP LENGTH	5.16	0.36	2.03	0.14)	6.9%	0.16	3.22	4.000	4.4	4.6	4.7	4.8	4.9	5.1	5.4	5.5	5.6	5.8	6.0
112 EAR LENGTH	6.27	0.41	2.47	0.16)	6.5%	0.07	3.24	4.000	5.3	5.6	5.8	5.8	6.0	6.3	6.5	6.7	6.8	6.9	7.3
113 EAR BREADTH	3.66	0.27	1.44	0.11)	7.3%	0.05	2.93	4.000	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3
114 EAR LTH ABOVE TRAG	2.97	0.28	1.17	0.11)	9.3%	-0.01	3.00	4.000	2.3	2.5	2.6	2.7	2.8	3.0	3.2	3.3	3.3	3.4	3.6
115 EAR PROTRUSION	2.15	0.36	0.84	0.14)	16.9%	0.43	3.37	4.000	1.4	1.6	1.7	1.8	1.9	2.1	2.4	2.5	2.6	2.8	3.1
116 HEAD HEIGHT	12.97	0.75	5.11	0.29)	5.8%	-0.08	2.98	4.000	11.2	11.7	12.0	12.2	12.5	13.0	13.5	13.7	13.9	14.2	14.7
117 MENTON PROJECTION	4.76	0.66	1.88	0.26)	13.8%	-0.09	3.06	4.000	3.3	3.7	3.9	4.1	4.3	4.8	5.2	5.4	5.6	5.9	6.4
118 EXT"L CANTHUS-WALL	17.21	0.79	6.78	0.31)	4.6%	-0.10	3.28	4.000	15.3	15.9	16.2	16.4	16.7	17.2	17.7	18.0	18.2	18.5	19.1
119 NASAL ROOT TO WALL	19.69	0.86	7.75	0.34)	4.4%	0.01	2.94	4.000	17.7	18.3	18.6	18.8	19.1	19.7	20.3	20.6	20.8	21.1	21.7
120 TRAGION TO WALL	10.23	0.75	4.03	0.29)	7.3%	0.08	3.06	4.000	8.6	9.0	9.3	9.5	9.7	10.2	10.7	11.0	11.2	11.5	12.1
121 LARYNX TO WALL	17.65	1.18	6.95	0.46)	6.7%	-0.07	2.96	4.000	14.8	15.7	16.1	16.4	16.9	17.7	18.5	18.9	19.2	19.6	20.3
122 HEAD CIRCUMFERENCE	57.03	1.53	22.45	0.60)	2.7%	-0.03	2.96	4.000	53.5	54.5	55.1	55.5	56.0	57.0	58.1	58.6	59.0	59.6	60.6
123 SAGITTAL ARC	38.11	1.52	15.00	0.60)	4.0%	-0.06	3.01	4.000	34.5	35.6	36.1	36.5	37.1	38.1	39.2	39.7	40.1	40.6	41.6
124 BITRAG-CORONAL ARC	35.05	1.24	13.80	0.49)	3.5%	0.15	2.98	4.000	32.3	33.1	33.5	33.8	34.2	35.0	35.9	36.3	36.6	37.1	38.1
125 MINIMUM FR"TAL ARC	13.67	0.96	5.38	0.38)	7.1%	-0.05	2.93	4.000	11.4	12.1	12.5	12.7	13.0	13.7	14.3	14.7	14.9	15.2	15.9
126 BIT-MIN-FR"TAL ARC	30.48	1.05	12.00	0.41)	3.4%	0.02	2.93	4.000	28.1	28.8	29.1	29.4	29.8	30.5	31.2	31.6	31.8	32.2	33.0
128 BITRAG-MENTON ARC	32.33	1.23	12.73	0.49)	3.8%	0.06	3.13	4.000	29.5	30.4	30.8	31.1	31.5	32.3	33.1	33.6	33.9	34.4	35.3
129 BIT-SUBMANDIBULAR	30.62	1.54	12.06	0.61)	5.0%	0.18	3.13	4.000	27.2	28.1	28.7	29.0	29.6	30.6	31.6	32.2	32.6	33.2	34.5
130 BIT-SUBNASALE ARC	28.98	1.07	11.41	0.42)	3.7%	0.08	3.00	4.000	26.6	27.3	27.6	27.9	28.3	29.0	29.7	30.1	30.4	30.8	31.5
131 POSTERIOR ARC	27.09	1.17	10.66	0.46)	4.3%	0.21	3.17	4.000	24.5	25.2	25.6	25.9	26.3	27.1	27.8	28.3	28.6	29.1	30.0
132 BITRAG-INION ARC	29.37	1.34	11.56	0.53)	4.6%	0.27	2.93	4.000	26.6	27.3	27.7	28.0	28.4	29.3	30.3	30.8	31.2	31.7	32.7
133 AGE	27.89	4.22	27.89	4.22)	15.1%	0.40	3.39	4.000	20.0	21.1	21.9	22.9	24.5	27.5	30.5	32.2	33.2	34.5	37.4

TABLE II-D

UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

** **

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 AGE	19.32	1.31	19.32	1.31	6.8%	.73	3.65	2527	17.0	17.2	17.4	17.6	18.0	18.9	20.2	20.7	21.0	22.0	23.0
2 WEIGHT	68.73	10.24	151.53	22.57	14.9%	.30	3.79	2527	50.0	54.7	57.1	58.8	61.4	67.2	74.5	79.2	82.7	88.3	100.3
3 SKF SUBSCAPULAR	.97	.37	.38	.15	38.2%	1.80	7.40	2527	.4	.6	.6	.6	.7	.8	1.1	1.3	1.5	1.7	2.4
4 SKF TRICEPS	.84	.36	.33	.14	43.4%	1.23	4.85	2527	.4	.4	.4	.5	.5	.8	1.0	1.2	1.3	1.6	2.0
5 SKF JUXTA NIPPLE	.66	.25	.26	.10	37.7%	1.64	8.21	2527	.2	.3	.4	.4	.5	.6	.8	.9	1.0	1.1	1.5
6 SKF MAL XIPHOID	.80	.47	.32	.19	58.8%	1.87	6.56	2527	.3	.3	.4	.4	.5	.6	.9	1.3	1.3	1.9	2.5
7 SKF SUPRA ILIAC	1.48	.80	.58	.32	54.3%	1.12	3.77	2527	.4	.4	.4	.5	.5	1.3	1.9	2.4	2.7	3.1	3.9
8 SKF DORSAL HAND	.25	.07	.10	.03	26.3%	.79	3.23	2527	.2	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4
9 GRIP STRENGTH	48.41	7.10	106.72	15.66	14.7%	.35	3.37	2527	33.0	37.4	39.6	41.2	43.5	48.0	52.9	55.7	57.7	60.8	66.9
10 HEIGHT (STATURE)	175.07	6.49	68.93	2.55	3.7%	.02	3.06	2527	159.8	164.3	166.7	168.3	170.6	175.0	179.4	181.8	183.5	185.9	190.3
11 CERVICALE HEIGHT	149.52	6.14	58.87	2.42	4.1%	.03	3.12	2527	135.1	139.3	141.4	143.1	145.4	149.5	153.6	155.8	157.3	159.6	164.2
12 SHOULDER(ACROM) HT	142.85	6.06	56.24	2.39	4.2%	.08	3.02	2527	128.9	133.1	135.1	136.6	138.7	142.8	146.9	149.2	150.7	153.1	157.4
13 ELBOW (RADIALE) HT	109.68	4.85	43.14	1.91	4.4%	.08	3.00	2527	98.2	101.5	103.4	104.6	106.5	109.5	112.8	114.6	115.9	117.7	121.3
14 WRIST (STYLION) HT	84.77	4.02	33.37	1.58	4.7%	.15	2.96	2527	75.4	78.4	79.7	80.6	82.0	84.6	87.4	89.0	90.1	91.7	94.5
15 DACTYLION HEIGHT	65.69	3.61	25.86	1.42	5.5%	.12	3.06	2527	57.4	59.8	61.1	62.0	63.3	65.6	68.1	69.4	70.4	71.8	74.5
16 SUPRASTERNALE HT	142.84	5.79	56.23	2.28	4.1%	.06	3.09	2527	129.4	133.5	135.4	136.8	138.8	142.7	146.7	148.9	150.4	152.5	156.4
17 CHEST (NIPPLE) HT	127.93	5.50	50.36	2.16	4.3%	.14	3.15	2527	115.0	119.2	121.1	122.3	124.2	127.7	131.5	133.7	135.1	137.1	141.4
18 WAIST HEIGHT (OMP)	105.30	5.23	41.46	2.06	5.0%	.08	3.20	2527	92.8	96.8	98.8	100.0	102.3	105.1	108.0	110.7	112.0	114.1	117.8
19 ILIOCRISTALE	105.65	5.28	41.59	2.08	5.0%	.08	3.20	2527	92.8	97.1	99.0	100.1	102.1	105.5	109.1	111.1	112.6	114.7	118.7
20 TROCHANTERIC HT	92.20	4.65	36.30	1.83	5.0%	.21	3.22	2527	81.8	84.6	86.4	87.4	89.0	92.0	95.3	97.1	98.4	100.3	103.9
21 BUTTOCK HEIGHT	90.22	4.71	35.52	1.85	5.2%	.25	3.42	2527	79.8	82.8	84.4	85.5	87.1	90.1	93.2	95.0	96.3	98.3	103.0
22 CROTCH HEIGHT	83.38	4.48	32.83	1.76	5.4%	.19	3.17	2527	73.4	76.0	77.5	78.3	80.3	83.3	86.3	88.0	89.3	91.0	94.7
23 GLUTEAL FURROW HT	80.78	4.37	31.80	1.72	5.4%	.25	3.30	2527	71.2	73.8	75.3	76.3	77.8	80.7	83.6	85.3	86.5	88.3	92.1
24 PATELLA TOP HEIGHT	52.58	2.78	20.70	1.09	5.3%	.18	3.37	2527	46.4	48.1	49.0	49.7	50.7	52.5	54.3	55.3	56.1	57.2	59.9
25 PATELLA BOTTOM HT	46.74	2.69	18.40	1.06	5.8%	.22	3.37	2527	40.8	42.8	43.0	44.0	44.9	46.7	48.4	49.4	50.1	51.3	53.8
26 CALF HEIGHT	36.11	2.37	14.22	.93	6.6%	.17	3.22	2527	30.8	32.3	33.1	33.7	34.5	36.1	37.6	38.5	39.2	40.1	42.2
27 ANKLE HEIGHT	11.88	1.36	4.68	.54	11.5%	.83	3.67	2527	9.7	10.1	10.5	10.6	10.9	11.7	12.7	13.4	13.8	14.5	15.7
28 MED"L MALLEOLUS HT	8.32	.61	3.28	.24	7.4%	-.02	3.19	2527	7.0	7.1	7.3	7.4	7.8	8.3	9.0	9.1	9.3	9.8	
29 LAT"L MALLEOLUS HT	7.16	.63	2.82	.25	8.8%	.15	3.21	2527	5.8	6.1	6.3	6.5	6.7	7.2	7.6	7.8	8.0	8.2	8.7
30 SPHYRION HEIGHT	6.63	.63	2.61	.25	9.5%	.06	2.96	2527	5.2	5.6	5.8	6.0	6.2	6.6	7.1	7.3	7.5	7.7	8.1
31 SITTING HEIGHT	91.12	3.48	35.88	1.37	3.8%	-.05	3.10	2527	82.5	85.2	86.5	87.5	88.8	91.2	93.5	94.7	95.6	96.9	99.3
32 EYE HEIGHT SITTING	79.77	3.29	31.41	1.30	4.1%	-.11	3.04	2527	71.7	74.2	75.5	76.3	77.6	79.8	82.0	83.2	84.0	85.2	87.4
33 MID SHOULDER HT/S	63.00	2.94	24.80	1.16	4.7%	-.01	2.87	2527	56.1	58.0	59.1	59.9	61.0	63.0	65.0	66.0	66.7	67.8	70.1
34 ELBOW REST HT SIT	23.55	2.78	9.27	1.09	11.8%	-.10	3.10	2527	16.8	18.8	19.9	20.7	21.7	23.7	25.4	26.4	27.0	28.0	30.0
35 KNEE HEIGHT SIT	55.36	2.63	21.79	1.04	4.8%	.15	3.26	2527	49.4	51.2	52.1	52.7	53.6	55.3	57.0	58.0	58.7	59.8	62.0
36 POPLITEAL HT/SIT	44.84	2.37	17.65	.93	5.3%	.25	3.34	2527	39.6	41.1	41.9	42.4	43.2	44.8	46.3	47.2	47.9	48.9	51.1
37 BUTTOCK KNEE LNGTH	60.28	2.92	23.73	1.15	4.8%	.19	3.19	2527	53.6	55.7	56.7	57.3	58.3	60.2	62.2	63.2	64.1	65.3	67.6
38 BUTTOCK POP LENGTH	49.36	2.65	19.43	1.04	5.4%	.21	3.28	2527	43.4	45.1	46.0	46.6	47.5	49.2	51.0	52.1	52.8	53.9	56.2
39 SHOULDER-ELBOW LTH	36.46	1.81	14.35	.71	5.0%	.06	2.88	2527	32.3	33.5	34.1	34.6	35.2	36.5	37.7	38.4	38.8	39.5	40.8
40 ELBOW WRIST LENGTH	28.79	1.49	11.34	.59	5.2%	.20	3.26	2527	25.3	26.4	26.9	27.3	27.8	28.8	29.8	30.3	30.7	31.4	32.6
41 FUNCTIONAL REACH	79.20	4.21	31.18	1.66	5.3%	.14	3.13	2527	69.4	72.4	73.9	74.9	76.4	79.1	81.9	83.5	84.7	86.4	90.0
42 SLEEVE INSEAM	49.62	2.63	19.54	1.04	5.3%	-.10	3.26	2527	43.5	45.3	46.3	46.9	47.9	49.6	51.3	52.3	53.0	54.0	56.1
43 BIACROMIAL BREADTH	39.68	1.91	15.62	.75	4.8%	-.18	3.08	2527	34.8	36.4	37.2	37.7	38.4	39.7	41.0	41.7	42.1	42.8	43.9
44 BIDELTOID BREADTH	45.78	2.48	18.02	.98	5.4%	.33	3.17	2527	40.5	41.9	42.7	43.2	44.0	45.6	47.3	48.3	49.1	50.2	52.5
45 CHEST BREADTH/SKIN	30.81	2.29	12.13	.90	7.4%	.65	3.89	2527	26.2	27.5	28.1	28.5	29.2	30.5	32.1	33.1	33.9	35.0	37.4
46 CHEST BREADTH/BONE	27.62	2.01	10.87	.79	7.3%	.52	3.69	2527	23.5	24.5	25.2	25.6	26.2	27.5	28.8	29.7	30.2	31.2	33.2
47 WAIST BRDTH (OMP)	28.56	2.61	11.24	1.03	9.2%	.98	4.23	2527	23.9	25.1	25.7	26.1	26.7	28.1	30.0	31.2	32.1	33.6	36.8
48 BI-ILIOCRISTALE	28.61	2.58	11.26	1.02	9.0%	1.01	4.41	2527	24.0	25.2	25.8	26.2	26.8	28.1	30.1	31.2	32.1	33.6	36.7
49 HIP BREADTH	33.73	2.10	13.28	.83	6.2%	.66	3.69	2527	29.4	30.7	31.3	31.7	32.3	33.5	35.0	35.9	36.6	37.6	39.9
50 HIP BREADTH SIT	35.27	2.52	13.89	.99	7.1%	.77	3.83	2527	30.4	31.8	32.4	32.8	33.5	34.9	36.7	37.9	38.7	40.1	42.9

TABLE II-D

UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

**

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 BITROCHANTERC/BONE	31.75	1.75	12.50	.69	5.5%	.34	3.43	2527	27.9	29.0	29.6	30.0	30.5	31.7	32.8	33.5	34.0	34.8	36.4
52 ELBOW BREADTH	7.20	.44	2.83	.17	6.0%	.10	3.18	2527	6.2	6.5	6.6	6.7	6.9	7.2	7.5	7.7	7.8	7.9	8.3
53 MAX F"ARM-F"ARM BR	47.70	4.80	18.78	1.89	10.1%	.52	3.03	2527	38.6	40.7	41.9	42.8	44.1	47.2	50.8	52.9	54.4	56.5	60.3
54 WRIST BREADTH	5.69	.32	2.24	.13	5.7%	.10	3.02	2527	5.0	5.2	5.3	5.4	5.5	5.7	5.9	6.0	6.1	6.2	6.5
55 KNEE BREADTH	9.63	.49	3.79	.19	5.1%	.33	3.38	2527	8.6	8.9	9.0	9.1	9.3	9.6	10.0	10.1	10.3	10.5	10.9
56 KNEE-KNEE BR SIT	21.35	1.82	8.41	.72	8.5%	.93	4.16	2527	18.1	18.8	19.3	19.6	20.1	21.1	22.4	23.2	24.2	25.7	27.9
57 CHEST DEPTH	21.91	2.10	8.63	.82	9.6%	.60	3.72	2527	17.9	18.8	19.4	19.8	20.4	21.7	23.2	24.0	24.7	25.7	27.9
58 WAIST DEPTH (OMP)	20.58	2.21	8.10	.87	10.8%	1.02	4.68	2527	16.5	17.6	18.1	18.5	19.0	20.2	21.8	22.8	23.5	24.8	27.5
59 ABDOMINAL DPTH/SIT	22.34	2.18	8.80	.86	9.8%	1.38	6.00	2527	18.4	19.5	19.8	20.8	21.3	22.3	23.3	24.3	25.1	26.5	27.5
60 BUTTOCK DEPTH	22.95	2.09	9.03	.82	9.1%	.77	3.64	2527	18.0	20.1	20.6	20.9	21.4	22.6	24.1	25.1	25.8	27.0	29.2
61 THIGH CLEAR HT SIT	15.03	1.36	5.92	.53	9.0%	.46	3.23	2527	12.2	13.0	13.4	13.7	14.1	14.9	15.9	16.5	16.9	17.5	18.6
62 NECK CIRC MAXIMUM	36.25	1.95	14.27	.77	5.4%	.54	3.60	2527	32.4	33.3	33.9	34.3	34.9	36.1	37.4	38.2	38.8	39.7	41.7
63 SHOULDER CIRC	111.08	6.26	43.73	2.47	5.6%	.44	3.38	2527	98.4	101.6	103.5	104.8	106.8	111.0	115.0	117.5	119.4	122.3	128.7
64 CHEST CIRCUMF"ENCE	91.77	6.53	36.13	2.57	7.1%	.68	3.92	2527	78.2	82.2	84.0	85.2	87.1	91.0	95.6	98.4	100.5	103.8	110.3
65 WAIST CIRC (OMPH)	77.96	7.47	30.69	2.94	6.2%	1.10	4.48	2527	65.1	68.6	70.2	72.0	74.0	76.4	81.9	85.6	88.4	92.7	102.3
66 BUTTOCK CIRC	92.03	6.07	36.23	2.39	6.6%	.82	3.82	2527	80.3	83.8	85.3	86.3	87.7	91.0	96.0	98.4	100.0	103.8	110.2
67 BUTTOCK CIRC/SIT	100.49	7.60	39.56	2.99	7.6%	.27	3.27	2527	86.4	90.2	92.0	93.1	95.0	99.3	104.8	108.3	111.0	115.2	124.0
68 VERTICAL TRUNK CIR	161.15	6.73	63.45	2.90	4.2%	.27	3.14	2527	144.9	151.5	153.4	155.0	157.1	161.0	165.6	168.6	170.6	173.6	180.6
69 VERT TRUNK CIR SIT	154.29	7.06	60.74	2.78	4.6%	.15	3.14	2527	138.1	142.8	145.3	147.0	149.0	153.4	158.9	161.5	163.4	166.2	171.8
70 UPPER THIGH CIRC	54.09	5.03	21.29	1.98	9.3%	.65	3.30	2527	44.6	47.1	48.3	49.1	50.4	53.4	57.1	59.5	61.1	63.6	68.1
71 THIGH CIRC SITTING	53.83	4.97	21.19	1.96	9.2%	.73	3.46	2527	44.7	47.0	48.1	48.9	50.2	53.1	56.8	59.1	60.8	63.3	68.2
72 LOWER THIGH CIRC	41.27	3.66	16.25	1.44	8.9%	.57	3.32	2527	34.1	36.0	36.9	37.6	38.6	40.8	43.5	45.2	46.3	48.1	51.5
73 KNEE CIRCUMFERENCE	37.41	2.21	14.73	.87	5.9%	.62	3.79	2527	33.5	34.7	35.3	35.8	36.5	37.9	39.5	40.5	41.2	42.4	45.0
74 KNEE CIRC SITTING	38.12	2.37	15.01	.93	6.2%	.69	3.33	2527	32.6	34.2	35.1	35.6	36.5	37.8	39.5	40.5	41.2	42.1	45.0
75 CALF CIRCUMFERENCE	36.16	2.65	14.23	1.04	7.3%	.42	3.20	2527	30.2	32.0	32.9	33.5	34.4	36.0	37.9	38.8	39.7	40.9	43.5
76 ANKLE CIRCUMF"ENCE	22.71	1.43	8.94	.56	6.3%	.31	3.28	2527	19.7	20.4	20.9	21.2	21.7	22.6	23.6	24.0	24.5	25.2	26.5
77 SCYE CIRCUMFERENCE	42.03	2.47	16.55	.97	5.9%	.35	3.22	2527	36.8	38.2	39.0	39.5	40.3	41.9	43.6	44.6	45.3	46.4	48.6
78 BICEPS CIRC EXT	27.26	2.56	10.73	1.01	9.4%	.52	2.98	2527	21.9	23.5	24.2	24.7	25.4	27.0	28.9	30.0	30.8	32.0	34.0
79 BICEPS CIRC FLEXED	30.39	2.72	11.96	1.07	9.0%	.36	3.04	2527	24.2	26.2	27.0	27.6	28.4	30.2	32.1	33.4	34.1	35.3	37.4
80 ELBOW CIRC EXT	25.74	1.59	10.14	.63	6.2%	.25	3.19	2527	22.2	23.3	23.8	24.1	24.7	25.6	26.8	27.4	27.9	28.5	29.9
81 ELBOW CIRC FLEXED	30.74	2.02	12.10	.80	6.6%	.24	3.15	2527	26.3	27.6	28.2	28.7	29.4	30.7	32.1	32.8	33.4	34.2	35.8
82 FOREARM CIRC EXT	26.55	1.63	10.45	.64	6.1%	.31	3.02	2527	23.1	24.0	24.5	24.9	25.7	26.5	27.6	28.3	28.7	29.4	30.8
83 FOREARM CIR FLEXED	28.42	1.93	11.19	.76	6.8%	.26	3.02	2527	24.3	25.3	25.9	26.4	27.0	28.4	29.7	30.4	30.9	31.7	33.2
84 WRIST CIRCUMF"ENCE	17.14	.85	6.75	.33	4.9%	.26	3.37	2527	15.2	15.8	16.1	16.4	16.6	17.1	17.7	18.0	18.2	18.6	19.4
85 SL SPINE/SCYE	23.41	1.59	9.22	.63	6.6%	.15	3.24	2527	20.8	21.4	21.8	22.3	22.9	23.4	24.5	25.0	25.6	26.1	27.4
86 SL SPINE-ELBOW	58.60	2.72	23.10	1.07	4.6%	.02	2.98	2527	52.5	54.1	55.1	55.8	56.8	58.7	60.6	61.5	62.2	63.2	65.2
87 SL SPINE-WRIST	88.12	3.80	34.69	1.50	4.3%	.00	2.92	2527	79.4	81.7	83.1	84.1	85.5	88.1	90.7	92.1	93.0	94.4	97.2
88 ANTERIOR NECK LGTH	9.51	1.46	3.74	.57	15.4%	.12	3.04	2527	6.8	7.8	8.0	8.6	9.1	9.5	10.5	11.1	11.5	12.0	13.1
89 POSTERIOR NECK LTH	10.14	1.47	3.99	.58	14.5%	.23	3.04	2527	6.8	7.8	8.3	8.6	9.1	10.1	11.1	11.7	12.1	12.7	13.9
90 SHOULDER LENGTH	17.76	1.60	6.99	.63	9.0%	-.33	3.04	2527	13.7	14.9	15.6	16.1	16.7	17.9	18.9	19.4	19.7	20.2	21.2
91 DELTOID ARC	15.75	1.19	6.20	.47	7.6%	.27	3.41	2527	13.0	13.8	14.3	14.5	14.9	15.7	16.5	17.0	17.3	17.8	18.7
92 INTERSCYE	37.30	2.91	14.68	1.14	7.8%	.29	3.24	2527	31.0	32.7	33.7	34.3	35.3	37.2	39.2	40.3	41.1	42.3	44.8
93 INTERSCYE MAXIMUM	52.22	3.36	20.56	1.32	6.4%	.20	3.37	2527	44.9	46.9	47.8	48.7	49.9	52.4	54.5	55.6	56.5	57.6	60.9
94 WAIST FRONT	38.32	2.14	15.09	.84	5.6%	.30	3.53	2527	33.6	34.9	35.6	36.1	36.8	38.2	39.7	40.5	41.1	42.1	44.0
95 CROTCH LENGTH	66.71	4.30	26.26	1.69	6.5%	.50	3.18	2527	58.0	60.2	61.5	62.4	63.8	66.4	69.3	71.0	72.3	74.3	79.1
96 WAIST BACK	45.48	2.67	17.90	1.05	5.9%	.06	3.08	2527	39.3	41.1	42.1	42.7	43.7	45.5	47.3	48.3	49.0	50.0	52.1
97 FOOT LENGTH	26.78	1.29	10.54	.51	4.8%	.09	3.11	2527	23.8	24.7	25.1	25.4	25.9	26.7	27.7	28.1	28.5	28.9	29.9
98 BALL-OF-FOOT LNGTH	19.41	1.00	7.64	.39	5.2%	.06	2.99	2527	17.0	17.8	18.1	18.4	18.7	19.4	20.1	20.4	20.7	21.1	21.8
99 BALL-OF-FOOT BRDTH	9.83	.55	3.87	.22	5.6%	.19	3.05	2527	8.6	8.8	9.1	9.3	9.5	9.8	10.2	10.4	10.6	10.8	11.2
100 BI-MALLEOLAR BRDTH	7.44	.39	2.93	.15	5.3%	.14	3.05	2527	6.5	6.8	6.9	7.0	7.2	7.4	7.7	7.9	8.0	8.1	8.4

TABLE II-D

UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

No.	Measurement	MEAN	SD	CONV. M	(SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
101	BALL-OF-FOOT GIRTH	25.34	1.27	9.98	(.50)	5.0%	.14	3.04	2527	22.4	23.3	23.7	24.0	24.5	25.3	26.2	26.7	27.0	27.5	28.5
102	INSTEP CIRCUMF"NCE	27.31	1.37	10.75	(.54)	5.0%	.22	3.21	2527	24.2	25.1	25.6	26.0	26.4	27.3	28.2	28.7	29.1	29.6	30.8
103	HEEL-ANKLE CIRCUMF	34.22	1.56	13.47	(.61)	4.6%	.12	3.07	2527	30.6	31.7	32.2	32.6	33.1	34.2	35.2	35.8	36.3	36.9	38.0
104	HAND LENGTH	19.68	1.01	7.75	(.40)	5.1%	.13	3.24	2527	17.4	18.0	18.4	18.6	19.0	19.7	20.3	20.7	21.0	21.4	22.3
105	PALM LENGTH	11.54	.69	4.54	(.27)	6.0%	.10	3.12	2527	9.9	10.4	10.6	10.8	11.1	11.5	12.0	12.2	12.4	12.7	13.3
106	HAND BREADTH/META	8.86	.48	3.49	(.19)	5.5%	.05	2.94	2527	7.7	8.1	8.2	8.3	8.5	8.9	9.2	9.4	9.5	9.7	10.0
107	HAND CIRC/META	21.45	1.03	8.44	(.41)	4.8%	.11	3.16	2527	19.2	19.7	20.1	20.4	20.7	21.4	22.1	22.5	22.8	23.2	24.0
108	HAND CIRC/THUMB	25.12	1.24	9.89	(.49)	4.9%	.06	2.96	2527	22.2	23.1	23.5	23.8	24.3	25.1	26.0	26.4	26.7	27.2	28.1
109	THICKNESS META/III	2.96	.21	1.17	(.08)	7.2%	.12	2.85	2527	2.5	2.6	2.7	2.8	2.8	2.9	3.1	3.2	3.2	3.3	3.5
110	FINGER DIAM III	2.16	.12	.85	(.05)	5.7%	.11	2.91	2527	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.3	2.4	2.5
111	HEAD CIRCUMFERENCE	55.88	1.57	22.00	(.62)	2.8%	.11	3.02	2527	52.5	53.4	53.9	54.3	54.8	55.9	57.0	57.6	58.0	58.6	59.8
112	SAGITTAL ARC	37.52	1.45	14.77	(.57)	3.9%	.16	3.05	2527	34.4	35.1	35.6	36.0	36.5	37.5	38.5	39.0	39.4	40.0	41.2
113	MINIMUM FRONTL ARC	11.84	.86	4.66	(.34)	7.3%	.49	3.27	2527	10.1	10.6	10.8	11.0	11.2	11.8	12.4	12.8	13.0	13.4	14.2
114	BIT-CORONAL ARC	34.86	1.34	13.72	(.53)	3.8%	.05	3.14	2527	31.8	32.7	33.0	33.4	34.0	34.9	35.8	36.3	36.7	37.3	38.2
115	BIT-MIN FRONTAL A	30.36	1.09	11.95	(.43)	3.6%	.10	3.07	2527	27.8	28.6	29.0	29.2	29.6	30.4	31.1	31.5	31.8	32.2	33.5
116	BIT-SUBNASALE ARC	28.54	1.14	11.23	(.45)	4.0%	.22	3.12	2527	26.1	26.7	27.1	27.3	27.8	28.5	29.3	29.7	30.0	30.5	31.5
117	BIT-MENTON ARC	31.08	1.37	12.23	(.54)	4.4%	.15	2.98	2527	27.9	28.6	29.1	29.4	30.1	31.0	32.0	32.5	32.8	33.4	34.5
118	BIT-SUBMANDIB ARC	28.77	1.45	11.33	(.57)	5.0%	.22	3.07	2527	25.7	26.5	26.9	27.3	27.8	28.8	29.8	30.4	30.8	31.4	32.5
119	BIT-POSTERIOR ARC	25.03	1.20	9.85	(.47)	4.8%	.15	3.18	2527	22.3	23.1	23.5	23.8	24.2	25.0	25.8	26.3	26.6	27.1	28.0
120	HEAD LENGTH	19.53	.72	7.69	(.28)	3.7%	.04	2.92	2527	17.9	18.4	18.6	18.8	19.0	19.5	20.0	20.3	20.5	20.8	21.2
121	MAX HEAD DIAG/MENT	25.03	.85	9.85	(.33)	3.4%	.06	2.91	2527	23.1	23.6	23.9	24.1	24.4	25.0	25.6	25.9	26.1	26.5	27.0
122	MAX HEAD DIAG/NUCH	19.26	.75	7.58	(.30)	3.9%	.15	2.92	2527	17.6	18.1	18.3	18.5	18.7	19.2	19.7	20.0	20.3	20.6	21.1
123	EAR LENGTH	6.23	.42	2.45	(.17)	6.8%	.02	3.10	2527	5.2	5.5	5.7	5.8	5.9	6.2	6.5	6.7	6.8	6.9	7.2
124	EAR LGTH ABOVE TRG	2.82	.30	1.11	(.12)	10.5%	.06	3.35	2527	2.1	2.3	2.4	2.5	2.6	2.8	3.0	3.1	3.2	3.3	3.6
125	EAR BREADTH	3.46	.32	1.36	(.13)	9.4%	.19	3.30	2527	2.6	2.9	3.1	3.2	3.2	3.5	3.7	3.8	3.9	4.0	4.2
126	EAR PROTRUSION	2.06	.37	.81	(.15)	17.9%	.27	3.01	2527	1.2	1.5	1.6	1.7	1.8	2.0	2.3	2.5	2.6	2.7	3.0
127	HEAD BREADTH	15.21	.57	5.99	(.22)	3.7%	.14	2.92	2527	13.9	14.3	14.5	14.6	14.8	15.2	15.6	15.8	16.0	16.2	16.6
128	BI-AURICULAR DIAM	18.29	.93	7.20	(.36)	5.1%	.03	2.93	2527	16.1	16.7	17.1	17.3	17.7	18.3	18.9	19.3	19.5	19.8	20.4
129	BITRAGION DIAMETER	13.67	.58	5.38	(.23)	4.2%	.02	2.96	2527	12.3	12.7	12.9	13.0	13.3	13.7	14.1	14.3	14.4	14.6	15.0
130	BIZYGOMATIC DIAM	13.89	.55	5.47	(.22)	3.9%	.10	2.90	2527	12.7	13.0	13.2	13.3	13.5	13.9	14.3	14.5	14.6	14.8	15.2
131	MAX FRONTAL DIAM	11.45	.48	4.51	(.19)	4.2%	.00	3.03	2527	10.3	10.7	10.8	10.9	11.1	11.4	11.8	12.0	12.1	12.3	12.6
132	BIGONIAL DIAMETER	10.64	.52	4.19	(.20)	4.9%	.20	3.09	2527	9.5	9.8	10.0	10.1	10.3	10.6	11.0	11.2	11.3	11.5	12.0
133	BIOCULAR DIAMETER	9.29	.49	3.66	(.19)	5.3%	.09	2.94	2527	8.2	8.5	8.7	8.8	8.9	9.3	9.6	9.8	9.9	10.1	10.5
134	INTERPUPILLARY DST	6.15	.38	2.42	(.15)	6.2%	.16	2.85	2527	5.3	5.6	5.7	5.8	5.9	6.1	6.4	6.6	6.8	6.9	7.1
135	INTEROCULAR DIAM	3.15	.28	1.24	(.11)	8.8%	.33	3.04	2527	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.9
136	NASAL ROOT BREADTH	1.81	.26	.71	(.10)	14.3%	.36	3.34	2527	1.3	1.5	1.5	1.6	1.6	1.8	2.0	2.1	2.2	2.3	2.5
137	NASAL BREADTH	3.39	.40	1.33	(.16)	11.9%	.99	4.01	2527	2.7	2.9	3.0	3.1	3.1	3.4	3.6	3.8	4.0	4.2	4.6
138	NOSE PROTRUSION	2.27	.28	.89	(.11)	12.5%	.17	3.20	2527	1.6	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.6	2.8	3.0
139	PHILTRUM LENGTH	1.43	.25	.56	(.10)	17.3%	.14	3.02	2527	.9	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.7	1.8	2.0
140	LIP-LIP DISTANCE	1.92	.40	.76	(.16)	21.0%	.72	3.58	2527	1.1	1.4	1.5	1.5	1.6	1.9	2.2	2.3	2.5	2.7	3.1
141	LIP LENGTH	4.77	.43	1.88	(.17)	8.9%	.07	2.86	2527	3.8	4.1	4.2	4.3	4.5	4.8	5.1	5.2	5.3	5.5	5.8
142	LIP LENGTH SMILING	5.61	.63	2.21	(.25)	11.3%	.36	3.13	2527	4.3	4.6	4.8	5.0	5.2	5.6	6.0	6.3	6.4	6.7	7.3
143	MENTON-SUBNASALE L	7.08	.60	2.79	(.24)	8.5%	.20	3.18	2527	5.7	6.1	6.3	6.5	6.7	7.0	7.5	7.7	7.9	8.1	8.6
144	MENTON-NASAL RT DP	11.98	.67	4.72	(.26)	5.6%	.13	3.07	2527	10.4	10.9	11.1	11.3	11.5	12.0	12.4	12.7	12.9	13.1	13.6
145	SUBNAS-NAS RT DPTH	5.07	.36	2.00	(.14)	7.1%	.08	3.30	2527	4.2	4.6	4.7	4.8	4.8	5.1	5.3	5.4	5.5	5.7	6.0
146	VERTEX-GLABELLA HT	9.30	.75	3.66	(.30)	8.1%	-.05	3.11	2527	7.5	8.1	8.3	8.5	8.8	9.3	9.9	10.1	10.3	10.6	11.1
147	VERTEX-NASAL RT DP	10.94	.73	4.31	(.29)	6.6%	-.01	3.33	2527	9.2	9.7	10.0	10.2	10.4	10.9	11.4	11.7	11.9	12.2	12.7
148	VERTEX-EXT CANT HT	11.66	.63	4.59	(.25)	5.4%	-.08	3.23	2527	10.1	10.6	10.8	11.0	11.2	11.7	12.1	12.3	12.5	12.7	13.1
149	VERTEX-PRONASALE H	14.89	.81	5.86	(.32)	5.5%	-.07	3.15	2527	12.9	13.5	13.8	14.0	14.3	14.9	15.4	15.7	15.9	16.2	16.8
150	VERTEX-STOMION HT	18.28	.80	7.20	(.32)	4.4%	-.02	3.20	2527	16.4	16.9	17.2	17.5	17.7	18.3	18.8	19.1	19.3	19.6	20.2

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TABLE II-0

UNIVARIATE SUMMARY STATISTICS FOR
THE 1965 USAF SURVEY BASIC TRAINEES

		MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
151	VERTEX-MENTON HT	22.79	.92	(8.97	.36)	4.0%	.07	3.09	2527	20.7	21.3	21.6	21.9	22.2	22.8	23.4	23.8	24.0	24.4	25.0
152	VERTEX-TRAGION HT	13.19	.61	(5.19	.24)	4.6%	-.02	3.17	2527	11.7	12.2	12.4	12.6	12.8	13.2	13.6	13.8	14.0	14.2	14.5
153	WALL-GLABELLA DIST	19.75	.72	(7.78	.28)	3.6%	.10	2.96	2527	18.1	18.6	18.8	19.0	19.3	19.7	20.2	20.5	20.7	21.0	21.4
154	WALL-NAS RT DEP DT	19.52	.71	(7.68	.28)	3.6%	.07	3.01	2527	17.9	18.4	18.6	18.8	19.0	19.5	20.0	20.3	20.4	20.7	21.2
155	WALL-EX CANT DIST	17.04	.70	(6.71	.28)	4.1%	.01	3.06	2527	15.4	15.9	16.1	16.3	16.6	17.1	17.5	17.8	17.9	18.2	18.8
156	WALL-PRONASALE DST	21.85	.80	(8.60	.31)	3.7%	.01	3.04	2527	20.0	20.5	20.8	21.0	21.3	21.9	22.4	22.7	22.9	23.2	23.7
157	WALL-STOMION DIST	20.45	.90	(8.05	.36)	4.4%	.16	3.12	2527	18.5	19.0	19.3	19.5	19.8	20.4	21.0	21.4	21.6	22.0	22.7
158	WALL-MENTON DIST	18.43	1.07	(7.26	.42)	5.8%	.03	3.15	2527	16.0	16.7	17.1	17.3	17.7	18.4	19.2	19.5	19.8	20.2	21.0
159	WALL-TRAGION DIST	9.51	.65	(3.74	.26)	6.8%	-.05	3.14	2527	7.9	8.4	8.7	8.8	9.1	9.5	10.0	10.2	10.3	10.6	11.0
169	GUESSED WEIGHT	69.44	10.25	(153.10	22.59)	14.8%	.76	3.67	2527	50.0	55.3	57.7	59.4	62.0	67.9	75.4	80.2	83.7	89.2	100.2
170	GUESSED HEIGHT	176.85	6.85	(69.62	2.70)	3.9%	-.08	2.95	2527	160.2	165.3	167.9	169.7	172.3	176.9	181.5	184.0	185.6	188.1	192.7

UNIVARIATE TABLE II-E
THE 1946 SURVEY OF ARMY FEMALE SEPARATEES

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	59.66	9.02	131.54	19.89	15.1%	.89	4.20	7554	44.1	47.4	49.3	50.8	53.1	58.3	64.8	68.8	71.8	76.6	86.7
2 STATURE	162.22	6.01	63.86	2.36	3.7%	.10	2.96	7554	148.4	152.2	154.3	155.7	157.8	161.9	166.0	168.2	169.8	172.0	176.3
3 CERVICALE HEIGHT	138.35	5.63	54.47	2.22	4.1%	.11	2.90	7554	125.4	129.0	130.9	132.3	134.0	138.0	141.8	143.9	145.4	147.5	151.6
4 SHOULDER HEIGHT	134.17	5.50	52.82	2.16	4.1%	.12	2.98	7554	121.5	125.0	126.0	128.0	130.1	133.1	136.1	139.6	141.1	143.2	147.2
5 WAIST HEIGHT	102.53	4.57	40.37	1.80	4.5%	.15	2.96	7554	91.9	94.9	96.5	97.6	99.2	102.1	105.3	107.0	109.1	111.4	114.3
6 CROTCH HEIGHT	72.97	4.00	28.73	1.58	5.5%	.08	3.12	7554	63.3	66.2	67.6	68.6	70.0	72.7	75.4	76.8	77.9	79.4	82.4
7 HIP HEIGHT	81.74	4.30	32.18	1.69	5.3%	.19	3.11	7554	71.9	74.6	76.1	77.1	78.6	81.4	84.3	85.9	87.0	88.7	92.2
8 DACTYLION HEIGHT	64.02	3.50	25.20	1.38	5.5%	.07	3.13	7554	55.6	58.0	59.3	60.2	61.4	63.7	66.1	67.3	68.2	69.6	72.4
9 SITTING HEIGHT	83.73	3.19	32.97	1.26	3.8%	.01	3.20	7554	76.1	78.0	79.4	80.2	81.3	83.5	85.6	86.8	87.6	88.8	91.0
10 TRUNK HEIGHT, SIT	53.70	2.71	21.14	1.07	5.0%	.06	2.86	7554	47.6	49.3	50.3	50.9	51.8	53.6	55.6	56.6	57.3	58.3	59.8
11 SHOULDER ELBOW LEN	33.25	1.83	13.09	.72	5.5%	.04	3.51	7554	28.7	30.2	30.9	31.4	32.1	33.3	34.5	35.1	35.6	36.2	37.5
12 ELBOW-FINGERTIP	42.41	2.08	16.70	.82	4.9%	-.07	3.33	7554	37.5	39.0	39.8	40.3	41.1	42.4	43.7	44.4	44.9	45.7	47.4
13 KNEE HEIGHT, SITNG	47.75	2.38	18.80	.94	5.0%	-.04	3.31	7554	42.3	43.7	44.6	45.2	46.1	47.8	49.3	50.2	50.7	51.6	53.6
14 BUTTOCK-KNEE LNGTH	56.68	2.95	22.40	1.16	5.2%	.05	3.31	7554	50.2	52.1	53.9	54.9	56.8	56.8	58.7	60.5	61.0	61.7	64.4
15 CHEST DEPTH	18.10	1.59	7.13	.63	8.8%	.47	3.81	7554	14.7	15.7	16.2	16.5	17.0	18.0	19.1	19.7	20.2	20.9	22.4
16 TRUNK DEPTH	19.27	2.38	7.59	.94	12.3%	.94	4.37	7554	15.2	16.6	17.0	17.0	17.6	18.9	20.6	21.6	22.4	23.7	26.6
17 CHEST BREADTH	28.40	2.35	11.18	.93	8.3%	.59	3.53	7554	24.9	24.9	25.6	26.1	26.8	28.2	29.8	30.7	31.3	32.5	32.5
18 BI-ILIAC BREADTH	24.63	2.30	9.70	.90	9.3%	.13	3.59	7554	19.4	21.1	21.9	22.4	23.2	24.6	26.1	26.9	27.5	28.5	30.5
19 SHOULDER BREADTH	39.63	2.57	15.60	1.01	6.5%	.54	3.83	7554	34.0	35.6	36.3	36.9	37.6	39.1	40.9	42.0	42.8	44.0	46.5
20 NIPPLE-NIPPLE BRTH	19.31	2.15	7.60	.85	11.1%	.45	4.11	7554	14.6	16.1	16.8	17.2	17.9	19.1	20.5	21.4	22.0	23.0	25.2
21 ELBOW-ELBOW BR'DTH	38.23	3.67	15.05	1.45	9.6%	.72	3.95	7554	31.0	32.8	33.7	34.4	35.4	37.5	40.1	41.7	42.9	44.7	48.4
22 HIP BREADTH, SITNG	37.06	2.80	14.59	1.10	7.5%	.53	3.66	7554	31.5	32.9	33.7	35.1	36.8	36.8	38.7	38.7	40.8	45.7	44.8
23 NECK CIRCUMFERENCE	31.79	1.66	12.52	.65	5.2%	.51	3.84	7554	28.4	29.3	29.8	30.2	30.7	31.7	32.8	33.4	33.9	34.7	36.4
24 BUST C/BELOW BUST	88.96	7.69	35.02	3.03	8.6%	.73	3.64	7554	74.8	78.2	80.0	81.3	83.4	87.9	93.5	97.0	99.5	103.1	111.0
25 CHEST C/BELOW BUST	77.42	6.14	30.48	2.42	7.9%	.78	4.09	7554	65.9	68.9	70.4	71.1	73.1	76.6	80.9	83.7	85.7	88.4	95.5
26 WAIST CIRCUMFERNCE	67.02	6.23	26.38	2.45	9.3%	1.00	4.54	7554	56.1	58.9	60.2	61.1	62.6	65.9	70.4	73.3	75.5	78.9	86.2
27 HALFWAY TO HIP CIR	85.81	7.49	33.78	2.95	8.7%	.71	4.03	7554	71.3	75.0	77.0	78.4	80.6	85.0	90.1	93.2	95.5	99.1	107.3
28 HIP CIRCUMFERENCE	95.12	6.69	37.45	2.63	7.0%	.68	4.03	7554	82.4	85.5	87.2	88.6	90.4	94.4	99.0	101.8	103.9	107.2	114.6
29 VERTICAL TRUNK CIR	149.76	7.14	58.96	2.81	4.8%	.40	3.51	7554	134.5	138.7	141.0	142.6	144.9	149.9	154.1	156.9	158.9	162.1	169.1
30 ARM SCYE CIRCUMFER	38.04	3.12	14.98	1.23	8.2%	.42	3.54	7554	31.2	33.0	34.0	34.7	35.6	37.6	39.7	40.9	41.8	43.3	46.3
31 BICEPS CIR/RELAXED	25.66	2.72	10.10	1.07	10.6%	.63	3.51	7554	20.6	21.7	22.4	22.9	23.7	25.4	27.3	28.5	29.3	30.7	33.4
32 FOREARM C/RELAXED	22.54	1.66	8.88	.65	7.4%	.44	3.39	7554	19.1	20.0	20.5	20.9	21.4	22.4	23.6	24.2	24.7	25.5	27.1
33 WRIST CIRCUMFERENCE	14.71	.81	5.79	.32	5.5%	.38	3.53	7554	13.2	13.5	13.7	13.6	14.7	14.7	15.2	15.5	15.8	16.1	16.9
34 UPPER THIGH CIRCUM	56.13	5.22	22.10	2.05	9.0%	.51	3.44	7554	45.2	48.2	50.6	50.6	52.2	55.4	59.1	61.3	62.8	65.2	69.8
35 MID-THIGH CIRCUMF	48.97	4.86	19.28	1.91	9.9%	.45	3.44	7554	38.9	41.5	42.8	43.8	45.3	48.3	51.7	53.7	55.1	57.3	61.6
36 SHOULDER LENGTH	12.10	1.13	4.77	.44	9.3%	-.01	3.15	7554	9.6	10.2	10.7	10.7	11.4	12.1	12.8	13.2	13.5	13.9	15.0
37 CERVICALE-LAT NECK	12.13	.93	3.60	.37	10.2%	.01	3.21	7554	7.0	7.6	7.9	8.2	8.5	9.2	9.8	10.1	10.3	10.6	11.9
38 INTERSCYE	34.45	2.73	13.56	1.08	7.9%	.24	3.18	7554	28.5	30.2	31.1	31.7	32.6	34.4	36.2	37.3	38.0	39.1	41.4
39 WAIST BACK LENGTH	37.85	2.28	14.90	.90	6.0%	.04	3.05	7554	32.6	34.1	34.9	35.5	36.3	37.8	39.3	40.2	40.8	41.6	43.3
40 WAIST FRONT LENGTH	32.71	2.01	12.88	.79	6.1%	.15	3.19	7554	28.1	29.5	30.2	30.7	31.4	32.7	34.0	34.7	35.2	36.0	37.8
41 STRAP LENGTH	71.50	6.39	28.15	2.52	8.3%	.84	3.95	7554	60.0	62.8	64.5	65.3	66.9	70.5	75.0	77.9	80.0	83.5	90.7
42 LATERAL NECK-WAIST	42.53	2.51	16.75	.99	5.9%	.08	3.48	7554	37.1	38.5	40.1	40.9	40.9	42.5	44.2	45.1	45.8	46.2	48.6
43 AXILLA TO WAIST PT	23.13	2.65	9.11	1.04	11.5%	.22	4.48	7554	17.1	18.8	19.7	20.3	21.2	22.8	24.5	25.5	26.2	27.3	29.8
44 CROTCH LENGTH	70.12	5.74	27.60	2.26	8.2%	.54	4.20	7554	57.8	61.5	63.3	64.5	66.3	69.7	73.4	75.7	77.4	80.2	86.4
45 HEAD CIRCUMFERENCE	55.16	1.55	21.72	.61	3.5%	-.04	3.11	7554	52.6	52.6	53.1	53.6	54.1	55.1	56.8	57.3	57.8	57.8	58.9
46 HEAD LENGTH	18.38	.64	7.24	.25	3.5%	.11	3.05	7554	16.9	17.3	17.7	17.7	17.9	18.4	18.8	19.0	19.4	19.4	19.9
47 CANTHUS-OTOBASION	7.69	.50	3.03	.20	6.5%	-.01	3.51	7554	6.4	6.9	7.1	7.2	7.4	7.7	8.0	8.2	8.3	8.5	9.0
48 HEAD BREADTH	14.58	.54	5.74	.21	3.7%	-.01	3.37	7554	13.3	13.7	14.0	14.0	14.2	14.6	14.9	15.1	15.3	15.5	15.9
49 HEAD HEIGHT	13.16	.90	5.18	.35	6.8%	.03	3.11	7554	11.0	11.6	12.0	12.2	12.6	13.2	13.8	14.1	14.3	15.5	15.9
50 FACE LENGTH	11.13	.72	4.38	.28	6.4%	.75	5.06	7554	9.7	10.0	10.3	10.4	10.7	11.1	11.5	11.8	12.0	12.3	13.4

UNIVARIATE SUMMARY STATISTICS FOR
TABLE II-E
THE 1946 SURVEY OF ARMY FEMALE SEPARATEES

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
51 MINIMUM FRONTAL BR	10.08	.59	3.97	.23)	5.8%	-.46	3.70	7554	8.4	9.1	9.3	9.5	9.7	10.1	10.5	10.7	10.8	11.0	11.3
52 FACE BREADTH	13.08	.54	5.15	.21)	4.1%	-.13	3.45	7554	11.7	12.2	12.4	12.5	12.7	13.1	13.4	13.6	13.7	13.9	14.3
53 BIOCULAR BREADTH	9.04	.46	3.56	.18)	5.0%	.15	3.0+	7554	8.0	8.3	8.5	8.6	8.7	9.0	9.3	9.5	9.6	9.8	10.1
54 INTEROCULAR BR'DTH	3.17	.30	1.25	.12)	9.6%	.08	3.31	7554	2.5	2.7	2.8	2.9	3.0	3.2	3.4	3.5	3.6	3.7	3.9
55 NOSE LENGTH	4.80	.56	1.89	.22)	11.6%	1.37	8.66	7554	3.6	4.1	4.2	4.3	4.5	4.8	5.1	5.2	5.3	5.6	7.0
56 NASAL ROOT BREADTH	1.56	.25	.61	.10)	15.7%	.36	3.18	7554	1.0	1.2	1.3	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.2
57 NOSE BREADTH	3.12	.29	1.23	.11)	9.2%	.38	4.31	7554	2.5	2.7	2.8	2.8	2.9	3.1	3.3	3.4	3.5	3.6	4.0
58 HAND LENGTH	17.50	.82	6.89	.32)	4.7%	.20	3.31	7554	15.6	16.2	16.5	16.7	17.0	17.5	18.0	18.3	18.6	18.9	19.6
59 HAND BREADTH	7.68	.50	3.02	.20)	6.6%	.69	3.78	7554	6.7	7.0	7.1	7.2	7.3	7.6	8.0	8.2	8.4	8.6	9.2
65 AGE	27.30	5.55	27.30	5.55)	20.3%	1.60	5.41	7554	20.9	21.7	22.2	22.6	23.2	25.1	29.2	32.6	35.0	39.0	46.1

TABLE II-F

UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY FEMALES

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		MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1	HEIGHT	160.28	6.57	(63.10	2.59)	4.1%	-.06	4.08	3581	144.5	149.5	152.0	153.6	156.6	160.5	164.5	167.9	168.9	171.3	175.3
2	WEIGHT	63.69	13.81	(140.41	30.45)	21.7%	1.31	6.22	3581	41.0	46.2	48.9	50.8	53.9	61.1	70.7	77.1	82.0	89.9	107.3
3	BIACROMIAL DIAMETR	35.43	1.93	(13.95	.76)	5.5%	-.09	4.30	3581	30.7	32.1	32.9	33.4	34.2	35.6	37.0	37.8	38.3	39.0	40.5
4	RIGHT ARM GIRTH	28.63	4.23	(11.27	1.66)	14.8%	.78	3.97	3581	20.6	22.6	23.7	24.4	25.6	28.2	31.3	33.2	34.6	36.7	40.8
5	CHEST GIRTH	88.03	8.12	(34.66	3.20)	9.2%	.78	3.96	3581	73.5	76.9	78.7	80.1	82.2	87.0	93.0	96.6	99.3	103.3	110.9
6	WAIST GIRTH	76.68	12.07	(30.19	4.75)	15.7%	.95	3.92	3581	58.0	61.2	63.3	64.9	67.8	74.6	83.6	89.3	93.4	99.9	112.9
7	SUM OF SKINFOLDS	3.98	1.64	(1.57	.65)	41.2%	.76	3.56	3581	1.1	1.7	2.0	2.3	2.8	3.8	5.0	5.8	6.3	7.1	8.6
8	SITTING HEIGHT	81.78	3.84	(32.20	1.51)	4.7%	-.73	8.53	3581	72.1	75.4	77.0	78.0	79.4	82.0	84.6	85.9	86.8	88.1	90.1
9	SITTING HGT/ERECT	84.69	3.63	(33.34	1.43)	4.3%	-.76	7.96	3581	75.2	78.6	80.1	81.1	82.5	85.0	87.4	88.6	89.5	90.7	92.8
10	KNEE HEIGHT	49.69	2.71	(19.56	1.07)	5.4%	.27	4.16	3581	43.4	45.2	46.2	46.9	47.9	49.8	51.7	52.7	53.4	54.5	56.6
11	POPLITEAL HEIGHT	39.71	2.60	(15.63	1.02)	6.5%	.11	4.45	3581	33.4	35.5	36.5	37.2	38.1	39.8	41.5	42.4	43.2	44.3	46.8
12	THIGH CLEARANCE	13.72	1.84	(5.40	.72)	13.4%	.74	4.88	3581	9.1	10.6	11.3	11.7	12.4	13.7	15.2	16.1	16.6	17.5	19.1
13	BUTTOCK-KNEE LNGTH	56.83	3.11	(22.37	1.22)	5.5%	.32	3.02	3581	49.7	51.8	52.9	53.6	54.8	56.9	59.0	60.3	61.2	62.5	65.3
14	BUTTOCK-POPLITEAL	47.98	3.07	(18.89	1.21)	6.4%	.19	3.35	3581	40.7	43.0	44.1	44.9	46.0	48.0	50.2	51.4	52.2	53.5	56.1
15	SEAT BREADTH	36.67	3.73	(14.44	1.47)	10.2%	.82	4.64	3581	29.3	31.2	32.3	33.0	34.1	36.4	38.9	40.5	41.7	43.7	48.3
16	ELBOW-ELBOW BR'DTH	34.96	5.35	(15.34	2.11)	13.7%	.75	3.69	3581	29.2	31.5	32.7	33.6	35.1	38.4	42.3	44.7	46.5	49.1	54.2
17	ELBOW REST HEIGHT	23.08	2.91	(9.08	1.15)	12.6%	-.20	3.76	3581	15.4	18.0	19.3	20.1	21.3	23.3	25.2	26.2	27.0	28.1	30.3
18	AGE	42.61	15.43	(42.61	15.43)	36.2%	.36	2.23	3581	18.5	20.9	23.3	25.5	30.3	41.7	54.1	61.1	65.8	71.1	77.8

TABLE II-G
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

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	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	161.67	6.27	63.65	2.47)	3.9%	.24	4.30	1165	147.5	151.3	153.6	155.2	157.5	161.9	166.1	168.3	169.8	171.9	175.9
2 WEIGHT	62.38	14.26	137.52	31.43)	22.9%	1.83	9.17	1165	40.7	46.0	48.4	50.0	52.7	59.1	68.6	75.3	80.5	89.4	109.7
3 BIACROMIAL DIAMETR	35.66	1.94	14.04	.76)	5.4%	-.40	5.54	1165	31.0	32.3	33.1	33.6	34.4	35.8	37.2	38.0	38.4	39.1	40.5
4 RIGHT ARM GIRTH	28.08	4.19	11.05	1.65)	14.9%	1.10	4.75	1165	20.7	22.6	23.5	24.1	25.0	27.4	30.6	32.6	34.1	36.4	40.6
5 CHEST GIRTH	86.60	7.93	34.09	3.12)	9.2%	1.13	5.28	1165	73.2	76.6	78.2	79.3	81.1	85.3	90.9	94.6	97.3	101.8	110.9
6 WAIST GIRTH	73.60	10.96	28.97	4.32)	14.9%	1.43	5.99	1165	57.4	60.9	62.6	63.9	65.9	71.2	78.9	84.2	88.3	95.1	109.8
7 SUM OF SKINFOLDS	3.78	1.64	1.49	.65)	43.5%	.99	3.96	1165	1.0	1.7	2.0	2.2	2.6	3.5	4.8	5.6	6.2	7.1	8.8
8 SITTING HEIGHT	82.62	3.55	32.53	1.40)	4.3%	-.12	3.21	1165	73.9	76.6	78.0	78.9	80.3	82.8	85.3	86.6	87.4	88.7	91.0
9 SITTING HGT/ERECT	85.61	3.30	33.71	1.30)	3.9%	-.16	3.07	1165	77.3	79.9	81.3	82.2	83.5	85.9	88.1	89.3	90.1	91.3	93.7
10 KNEE HEIGHT	49.98	2.72	19.68	1.07)	5.4%	.50	5.26	1165	44.3	45.5	46.4	47.1	48.1	50.1	52.0	52.9	53.6	54.6	57.0
11 POPLITEAL HEIGHT	39.97	2.55	15.74	1.00)	6.4%	.17	5.13	1165	33.6	35.8	36.8	37.5	38.4	40.0	41.6	42.6	43.2	44.3	46.8
12 THIGH CLEARANCE	13.86	1.88	5.46	.74)	13.6%	.89	5.41	1165	9.2	10.7	11.4	11.8	12.5	13.8	15.3	16.2	16.8	17.8	19.5
13 BUTTOCK-KNEE LNGTH	57.07	3.10	22.47	1.22)	5.4%	.42	3.72	1165	50.0	52.0	53.1	53.9	55.0	57.1	59.2	60.5	61.4	62.8	66.0
14 BUTTOCK-POPLITEAL	48.09	3.08	18.93	1.21)	6.4%	.27	3.38	1165	40.9	43.0	44.1	44.9	46.1	48.2	50.3	51.5	52.3	53.6	56.4
15 SEAT BREADTH	36.35	3.66	14.31	1.44)	10.1%	.98	5.13	1165	29.2	31.0	32.1	32.8	33.8	36.0	38.6	40.1	41.3	43.3	47.9
16 ELBOW-ELBOW BR*DTH	37.75	5.10	14.86	2.01)	13.5%	1.14	5.01	1165	29.0	31.1	32.2	32.9	34.2	37.0	40.7	43.1	44.8	47.7	53.6
17 ELBOW REST HEIGHT	23.56	2.75	9.27	1.08)	11.7%	-.11	3.64	1165	16.2	18.9	20.1	20.8	21.9	23.7	25.5	26.6	27.3	28.4	30.7
18 AGE	32.65	4.45	32.65	4.45)	13.6%	-.06	1.76	1165	25.6	26.2	26.9	27.6	29.3	33.3	37.0	38.4	39.3	40.3	41.3

TABLE II-H
UNIVARIATE SUMMARY STATISTICS FOR
THE 1962 HEALTH EXAMINATION SURVEY MALES

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	173.24	6.89	(66.21	2.71)	4.0%	-.04	3.32	3091	156.5	161.8	164.6	166.6	169.0	173.6	178.1	180.4	182.0	184.4	189.1
2 WEIGHT	74.89	12.62	(165.10	27.83)	16.9%	.54	3.76	3091	50.0	56.2	59.7	62.2	66.1	74.0	82.7	87.9	91.5	97.1	108.2
3 BIACROMIAL DIAMETR	39.64	2.12	(15.61	.83)	5.3%	-.09	3.74	3091	34.1	35.8	36.7	37.3	38.2	39.8	41.4	42.2	42.7	43.5	45.0
4 RIGHT ARM GIRTH	30.66	3.24	(12.07	1.27)	10.6%	.15	3.41	3091	22.9	25.3	26.5	27.3	28.5	30.7	33.0	34.3	35.1	36.5	39.1
5 CHEST GIRTH	99.26	8.33	(39.08	3.28)	8.4%	.39	3.46	3091	82.3	86.5	89.0	90.8	93.5	98.9	104.7	108.0	110.3	113.8	120.5
6 WAIST GIRTH	88.67	11.48	(34.91	4.52)	12.9%	.41	3.37	3091	68.0	71.8	74.6	76.8	80.4	87.9	96.2	101.0	104.2	109.1	118.3
7 SUM OF SKINFOLDS	2.71	1.36	(1.07	.54)	50.3%	1.32	5.82	3091	.6	.8	1.1	1.4	1.7	2.5	3.5	4.2	4.5	5.3	7.2
8 SITTING HEIGHT	86.39	3.68	(34.01	1.45)	4.3%	-.19	3.59	3091	76.9	80.2	81.7	82.7	84.1	86.6	89.1	90.4	91.4	92.8	95.3
9 SITTING HGT/ERECT	90.45	3.67	(35.61	1.45)	4.1%	-.30	3.71	3091	80.8	84.2	85.8	86.8	88.2	90.6	93.1	94.4	95.3	96.7	99.3
10 KNEE HEIGHT	54.15	2.89	(21.32	1.14)	5.3%	.01	3.53	3091	46.8	49.3	50.5	51.2	52.3	54.3	56.2	57.3	58.1	59.3	61.7
11 POPLITEAL HEIGHT	43.96	2.67	(17.31	1.05)	6.1%	.07	3.10	3091	37.5	39.2	40.3	41.1	42.2	44.2	46.2	47.1	47.8	48.8	50.7
12 THIGH CLEARANCE	14.31	1.69	(5.63	.66)	11.8%	.48	4.85	3091	10.0	11.4	12.1	12.5	13.1	14.4	15.7	16.4	17.0	17.7	19.0
13 BUTTOCK-KNEE LNGTH	59.12	2.92	(23.28	1.15)	4.9%	-.14	3.74	3091	52.0	54.0	55.2	56.1	57.3	59.4	61.3	62.4	63.1	64.2	66.7
14 BUTTOCK-POPLITEAL	49.36	3.07	(19.43	1.21)	6.2%	.47	3.50	3091	41.9	44.2	45.4	46.2	47.4	49.5	51.6	52.8	53.6	54.8	57.2
15 SEAT BREADTH	35.38	2.79	(13.93	1.10)	7.9%	.47	4.06	3091	29.3	30.8	31.7	32.4	33.4	35.4	37.4	38.5	39.3	40.6	43.2
16 ELBOW-ELBOW BR*DTH	41.99	4.65	(16.53	1.83)	11.1%	.51	3.43	3091	32.7	35.0	36.3	37.3	38.7	41.7	45.1	47.1	48.5	50.6	54.5
17 ELBOW REST HEIGHT	24.12	3.00	(9.49	1.18)	12.4%	-.17	3.41	3091	16.1	19.0	20.3	21.1	22.3	24.3	26.3	27.5	28.2	29.4	31.5
18 AGE	43.24	15.51	(43.24	15.51)	35.9%	.34	2.20	3091	18.5	21.1	23.8	26.3	31.3	42.2	55.1	62.4	66.3	71.9	78.0

TABLE II-J

UNIVARIATE SUMMARY STATISTICS FOR

THE 1962 HEALTH EXAMINATION SURVEY MALES--AGES 25-40

** ** **

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	175.04	6.74	(68.91	2.65)	3.9%	.06	3.69	1012	158.3	164.3	166.8	168.6	171.0	175.3	179.6	181.9	183.5	186.0	191.0
2 WEIGHT	76.67	12.79	(169.03	28.19)	16.7%	.66	4.07	1012	52.0	57.8	61.4	63.9	67.8	75.6	84.3	89.5	93.2	99.3	112.6
3 BIACROMIAL DIAMETR	40.05	2.07	(15.77	.81)	5.2%	.66	3.97	1012	34.6	36.4	37.3	37.9	38.7	40.2	41.7	42.5	43.0	43.9	45.5
4 RIGHT ARM GIRTH	31.25	3.14	(12.31	1.24)	10.0%	-.08	3.30	1012	24.3	26.1	27.1	27.9	29.0	31.2	33.5	34.8	35.7	37.1	40.1
5 CHEST GIRTH	99.62	8.07	(39.22	3.18)	8.1%	.29	3.40	1012	82.9	87.0	89.6	91.4	94.1	99.4	104.9	108.0	110.2	113.7	121.2
6 WAIST GIRTH	87.14	10.73	(34.31	4.23)	12.3%	.59	4.36	1012	68.2	72.3	74.8	76.7	79.7	86.1	93.7	98.2	101.5	106.6	117.1
7 SUM OF SKINFOLDS	2.83	1.48	(1.11	.58)	52.3%	1.36	5.87	1012	.6	.8	1.1	1.4	1.8	2.6	3.7	4.3	4.8	5.7	7.9
8 SITTING HEIGHT	87.09	3.54	(34.29	1.39)	4.1%	.04	3.02	1012	78.4	81.3	82.6	83.5	84.8	87.2	89.6	91.1	92.1	93.6	96.5
9 SITTING HGT/ERECT	91.41	3.43	(35.99	1.35)	3.8%	-.22	3.19	1012	82.5	85.5	86.9	87.9	89.2	91.6	94.0	95.2	96.1	97.4	99.9
10 KNEE HEIGHT	54.73	2.80	(21.55	1.10)	5.1%	.08	3.64	1012	47.7	50.1	51.2	51.9	52.9	54.8	56.8	57.8	58.6	59.7	61.8
11 POPLITEAL HEIGHT	44.49	2.63	(17.51	1.03)	5.9%	.13	3.13	1012	38.2	39.9	40.9	41.7	42.8	44.8	46.6	47.6	48.2	49.2	51.2
12 THIGH CLEARANCE	14.69	1.75	(5.78	.69)	11.9%	.89	6.77	1012	11.4	11.8	12.1	12.5	13.3	14.8	16.0	16.5	17.3	18.3	19.0
13 BUTTOCK-KNEE LNGTH	59.65	2.87	(23.48	1.13)	4.8%	.01	3.54	1012	52.4	54.7	55.9	56.7	57.8	59.8	61.8	62.9	63.6	64.8	67.2
14 BUTTOCK-POPLITEAL	49.72	3.11	(19.57	1.22)	6.3%	.03	3.83	1012	41.7	44.5	45.8	46.6	47.8	49.8	52.0	53.2	54.0	55.3	57.8
15 SEAT BREADTH	35.55	2.80	(14.00	1.10)	7.9%	.45	3.62	1012	29.4	31.0	31.9	32.6	33.6	35.6	37.6	38.7	39.5	40.8	43.4
16 ELBOW-ELBOW BR'DTH	41.84	4.54	(16.47	1.79)	10.9%	.64	3.91	1012	33.0	35.1	36.4	37.3	38.7	41.6	44.9	46.8	48.2	50.3	54.4
17 ELBOW REST HEIGHT	24.69	2.80	(9.72	1.10)	11.4%	-.02	3.43	1012	17.7	20.1	21.2	21.9	22.8	24.7	26.8	28.0	28.8	29.9	31.7
18 AGE	32.67	4.24	(32.67	4.24)	13.0%	-.09	1.87	1012	25.6	26.2	27.0	27.8	29.7	33.3	36.7	38.1	38.9	39.9	41.2

TABLE II-K
UNIVARIATE SUMMARY STATISTICS FOR
THE 1974 SURVEY OF LAW ENFORCEMENT OFFICERS

	MEAN	SD	(CONV. M	SD)	CO/V	V-I	V-II	NO.	1%	5%	10%	15%	25%	50%	75%	85%	90%	95%	99%
1 HEIGHT	83.29	11.89	(183.63	26.21)	14.3%	.74	4.26	2870	60.8	65.9	69.1	71.5	75.0	82.2	90.2	95.0	98.5	104.3	117.6
2 HEIGHT	178.07	5.69	(70.11	2.24)	3.2%	.31	3.08	2870	166.5	169.2	170.9	172.1	174.1	177.8	181.7	183.9	185.5	187.8	192.7
3 FUNCTIONAL REACH	82.94	4.10	(32.65	1.61)	4.9%	.23	3.07	2870	74.2	76.5	77.8	78.7	80.1	82.8	85.6	87.2	88.3	89.9	93.1
4 CHEST BREADTH	34.64	2.63	(13.64	1.03)	7.6%	.50	3.89	2870	29.3	30.6	31.4	32.0	32.8	34.5	36.2	37.2	38.0	39.2	41.7
5 CHEST CIRCUMFERNCE	102.16	7.83	(40.22	3.08)	7.7%	.46	3.78	2870	85.7	90.1	92.6	94.3	96.9	101.7	106.9	109.9	112.1	115.6	123.4
6 WAIST CIRCUMFERNCE	90.58	9.42	(35.66	3.71)	10.4%	.65	4.04	2870	72.4	76.5	79.2	81.1	84.1	89.9	96.1	99.8	102.6	107.1	118.0
7 WAIST FRONT	41.29	2.60	(16.26	1.02)	6.3%	.43	3.39	2870	35.9	37.3	38.1	38.7	39.5	41.1	42.9	43.9	44.7	45.9	48.5
8 HEAD CIRCUMFERENCE	57.50	1.56	(22.64	.61)	2.7%	.09	3.09	2870	53.8	54.9	55.5	55.9	56.5	57.5	58.5	59.1	59.5	60.1	61.3
9 HAND CIRCUMFERENCE	21.43	1.01	(8.44	.40)	4.7%	.08	3.08	2870	19.1	19.8	20.2	20.4	20.7	21.4	22.1	22.5	22.7	23.1	23.8
10 SHOULDER HT/SIT'NG	61.51	2.94	(24.22	1.16)	4.8%	.10	3.08	2870	54.7	56.8	57.9	58.5	59.5	61.4	63.5	64.6	65.4	66.5	68.4
11 SITTING HEIGHT	92.26	3.34	(36.32	1.31)	3.6%	.03	2.97	2870	84.6	86.8	88.0	88.8	90.0	92.2	94.5	95.7	96.5	97.8	100.3
12 KNEE H'GHT SITTING	55.93	2.47	(22.02	.97)	4.4%	.16	3.00	2870	50.5	52.0	52.8	53.4	54.2	55.9	57.6	58.5	59.1	60.1	62.0
13 BUTTOCK-KNEE LNGTH	61.51	2.69	(24.22	1.06)	4.4%	.34	3.14	2870	56.0	57.4	58.2	58.8	59.6	61.3	63.2	64.3	65.1	66.2	68.2
14 SHOULDER BREADTH	49.47	2.89	(19.48	1.14)	5.9%	.32	3.66	2870	42.9	44.9	45.9	46.6	47.6	49.4	51.2	52.3	53.1	54.3	57.3
15 HEAD LENGTH	19.80	.69	(7.80	.27)	3.5%	.00	3.16	2870	18.1	18.7	18.9	19.1	19.3	19.8	20.3	20.5	20.7	20.9	21.4
16 HEAD BREADTH	15.47	.56	(6.09	.22)	3.6%	.20	3.10	2870	14.2	14.6	14.8	14.9	15.1	15.4	15.8	16.1	16.2	16.4	16.8
17 FACE BREADTH	14.31	.60	(5.63	.23)	4.2%	.06	3.08	2870	12.9	13.3	13.5	13.7	13.9	14.3	14.7	14.9	15.1	15.3	15.8
18 FACE LENGTH	12.13	.64	(4.78	.25)	5.3%	.19	3.12	2870	10.7	11.1	11.3	11.5	11.7	12.1	12.6	12.8	13.0	13.2	13.7
19 LIP LENGTH	5.15	.44	(2.03	.17)	8.5%	.13	2.94	2870	4.2	4.4	4.6	4.7	4.8	5.1	5.4	5.6	5.7	5.9	6.2
20 HAND LENGTH	19.35	.90	(7.62	.35)	4.7%	.21	3.32	2870	17.3	17.9	18.2	18.4	18.7	19.3	19.9	20.3	20.5	20.9	21.7
21 FOREFINGER LENGTH	12.62	.76	(4.97	.30)	6.0%	.19	3.03	2870	11.0	11.4	11.6	11.8	12.1	12.6	13.1	13.4	13.6	13.9	14.6
22 HAND BREADTH	8.99	.42	(3.54	.17)	4.7%	.06	3.12	2870	8.0	8.3	8.5	8.6	8.7	9.0	9.3	9.4	9.5	9.7	10.0
23 AGE	30.59	8.72	(30.59	8.72)	28.5%	1.37	4.54	2870	20.0	21.2	22.0	22.9	24.6	27.8	34.1	40.0	43.9	49.1	59.4

TABLE III

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
6 Abdominal depth, sitting			59				
8 Abdominal extension circumfer	42						
10 Abdominal extension depth	76						
18 Abdominal extension height	14						
23 Acromial height	10	15	12	7	4		10
25 Acromial height, sitting		35		21			
30 Acromion-biceps level length		41					
39 Acromion-radiale length	31	43					
48 Age	1	1	1	133	65	18	
58 Ankle circumference	49	102	76	54			
64 Ankle height	20	31	27				
72 Anterior neck length		116	88	63			
74 Anterior waist length	86						
80 Arm reach from wall				32			
89 Axillary arm circumference	54			56			
91 Axilla to waist length					43		
93 Back curvature	84						
97 Ball-of-foot circumference		128	101	82			
103 Biacromial breadth	63	50	43	38		3	
107 Biauricular breadth	114	161	128				
111 Biceps circumference, flexed	56	106	79	57			
112 Biceps circumfer, flexed, II	58	107					
113 Biceps circumference, relaxed	55	104	78		31	4	
114 Biceps circumfer, relaxed, II	57	105					
122 Bideltoid breadth	64	51	44	<u>39</u>	<u>19</u>		<u>14</u>
126 Bigonial breadth	117	160	132	<u>98</u>			
130 Biiliocristale breadth		<u>54</u>	48		<u>18</u>		
134 Bimalleolar breadth		<u>131</u>	100	79			
138 Biocular breadth	113	162	133	101	53		
142 Bitragion breadth	115	158	129	99			
144 Bitragion-coronal arc	112	144	114	124			
148 Bitragion-inion arc				132			
150 Bitragion-menton arc		147	117	128			
152 Bitr-minimum frontal arc		145	115	126			
154 Bitragion-posterior arc		149	119	131			
156 Bitrag-submandibular arc		148	118	129			
158 Bitragion-subnasale arc		146	116	130			
161 Bitrochanteric breadth			51				
165 Bizygomatic breadth	116	159	130	97	<u>52</u>		<u>17</u>
169 Bust depth	74						

Underlined numbers indicate alternate measurement names. See the end
of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

	SURVEY						
Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
172 Bustpoint-bustpoint breadth	66				20		
174 Bustpoint height	12						
178 Buttock circumference		72	66	50			
179 Buttock circumfer, sitting	52	73	67	73			
183 Buttock depth	77	64	60	45			
188 Buttock height	16	23	21				
194 Buttock-knee length	30	39	37	27	14	13	13
197 Buttock-leg length				28			
200 Buttock-popliteal length	29	40	38			14	
207 Calf circumference	47	100	75	53			
209 Calf circumference-II	48	101					
215 Calf height		30	26				
219 Cervicale height	9	14	11	6	3		
223 Chest breadth	65	52	45	40	17		4
227 Chest breadth (bone)			46				
230 Chest circumference	39	69	64	48	24	5	5
231 Chest circumference at scye	38	68					
232 Chest circumference below bust	40				25		
236 Chest depth		62	57	43			
237 Chest depth at scye					15		
241 Chest height		20	17	9			
245 Chin prominence to wall		187					
249 Crotch height	19	26	22	15	6		
252 Crotch length		123	95	69	44		
265 Dactylion height		18	15		8		
269 Deltoid arc		119	91				
273 Dorsal hand skinfold			8				
277 Ear breadth	124	153	125	113			
280 Ear length	123	154	123	112			
282 Ear length above tragion		155	124	114			
285 Ear protrusion		167	126	115			
287 Ectocanthus to otobasion					47		
289 Ectocanthus to top of head	100	175	148				
291 Ectocanthus to wall	106	183	155	118			
293 Elbow breadth	70	57	52				
297 Elbow breadth, II	71	58					
300 Elbow circumference, flexed	59	109	81	58			
303 Elbow circumference, relaxed		108	80				
309 Elbow height		16	13	11			
312 Elbow rest height	27	36	34	23		17	
318 Elbow-elbow breadth				35	21	16	

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
					SURVEY		
322 Elbow-grip length		46					
324 Elbow-wrist length		44	40				
328 Eye Height				4			
330 Eye height, sitting	24	33	32	20			
334 Femoral breadth	72	60	55				
336 Femoral breadth, II	73	61					
340 Fibular height		29					
344 Finger diameter at meta III			110	89			
352 Fist circumference				92			
356 Foot breadth	95	127	99	77			
362 Foot length	94	125	97	75			
369 Forearm circumferen, flexed	61	111	83	59			
370 Forearm circumferen, relaxed	60	110	82		32		
378 Forearm-forearm breadth		59	53				
381 Forearm-hand length				30	12		
385 Forefinger length							21
389 Glabella to top of head		173	146				
391 Glabella to wall		181	153				
395 Gluteal arc				68			
398 Gluteal furrow height	17	25	23	16			
402 Grip diameter inside				90			
404 Grip diameter outside				91			
407 Grip strength	125	12	9				
409 Halfway-to-hip circumference					27		
411 Hand breadth	92	136	106	86	59		22
413 Hand breadth across thumb		137		85			
416 Hand circumference	93	138	107				9
417 Hand circumferen across thumb		139	108				
420 Hand length	91	134	104	83	58		20
423 Hand thickness		140	109	87			
427 Head breadth	97	156	127	94	48		16
430 Head circumference	98	141	111	122	45		8
433 Head diagonal/inion-pronasale		152					
437 Head diagonal/menton-occiput		151	121				
438 Head diagonal/maximum-nuchale			122				
441 Head length	96	150	120	93	46		15
445 Heel-ankle circumference		130	103				
450 Heel breadth				78			
457 Hip breadth	68	55	49	42			
459 Hip breadth, sitting		56	50	36	22	15	
465 Hip circum at trochanterion					28		

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

	SURVEY						
Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
466 Hip circumfer 7" below waist	43						
468 Hip circumfer 9" below waist	44						
489 Iliocristale height		22	19				
493 Instep circumference		129	102				
496 Instep length		126	98	76			
500 Interocular breadth		164	135	100	54		
503 Interpupillary breadth		163	134	102			
506 Interscye	82	120	92		38		
507 Interscye, maximum			93	72			
508 Interscye, II				71			
509 Interscye, maximum, II	83	121					
511 Juxtanipple skinfold		5	5				
515 Knee circumference	46	98	73				
517 Knee circumference, sitting		99	74	74			
527 Knee height		28					
529 Knee height, sitting		37	35	25	13	10	12
532 Knee-to-knee breadth			56	37			
539 Larynx to wall				121			
543 Lateral malleolus height	21	132	29	81			
547 Lip length	119	166	141	111			
549 Lip length, smiling			142				19
552 Lip protrusion to wall	109	186	157				
555 Lip-to-lip length		170	140	110			
561 Lower thigh circumference			72	52			
569 Maximum frontal breadth		157	131	96			
572 Maximum reach from wall				33			
576 Medial calf skinfold	6						
579 Medial malleolus height		133	28	80			
585 Menton projection				117			
586 Menton-sellion length	121	172	144		50		18
592 Menton-subnasale length	120	171	143	108			
595 Menton to top of head	104	179	151				
597 Menton to wall	110		158				
601 Metacarpale-III height				17			
606 Midaxillary-xiphoid skinfold		6	6				
612 Midshoulder height, sitting	25	34	33				
615 Midthigh circumference					35		
616 Minimum frontal arc		143	113	125			
618 Minimum frontal breadth				95	51		
622 Nasal breadth	118	165	137	104	57		
625 Nasal root breadth			136	105	56		

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

	SURVEY						
Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
629 Nasal root height				3			
636 Neck-bustpoint length	80						
637 Neck-cervicale length					37		
638 Neck-waist length					42		
639 Neck circumference	36	66	62	46	23		
649 Nose length				103	55		
652 Nose protrusion			138	106			
656 Palm length		135	105	84			
663 Patella bottom height			25				
666 Patella top height		27	24	18			
674 Philtrum length		169	139	107			
678 Popliteal height	28	38	36	26		11	
686 Posterior neck length		117	89	64			
692 Pronasale to top of head	101	176	149				
694 Pronasale to wall	107	184	156				
698 Radiale-stylion length	32	45					
702 Sagittal arc	111	142	112	123			
706 Scrotale-anterior midshoulder		82					
707 Scrotale-ant midshoulder, sit		83					
709 Scrotale-anterior scye		80					
710 Scrotale-anterior scye, sit		81					
711 Scrotale-anterior waist		76					
712 Scrotale-anterior waist, sit		77					
714 Scrotale-cervicale		88					
715 Scrotale-cervicale, sitting		89					
717 Scrotale-midshldr over butt'k		93					
718 Scrotale-midshldr over b, sit		95					
719 Scrotale-midshldr posterior		92					
720 Scrotale-midshldr poster, sit		94					
722 Scrotale-posterior scye		90					
723 Scrotale-posterior scye, sit		91					
724 Scrotale-posterior waist		84					
725 Scrotale-posterior waist, sit		86					
727 Scrotale-suprasternale		78					
728 Scrotale-suprasternale, sit		79					
730 Scrotale-waist over buttock		85					
731 Scrotale-waist over btk, sit		87					
735 Scye circumference	53	103	77	55	30		
739 Sellion to top of head		174	147				
741 Sellion to wall		182	154	119			
747 Shoulder circumference	37	67	63	47			

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	SURVEY						
	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
751 Shoulder-elbow length		42	39	29	11		
754 Shoulder length	79	118	90	65	36		
758 Sitting height	23	32	31	19	9	9	11
760 Sitting height, relaxed	22					8	
764 Sleeve inseam	87	49	42	61			
768 Sleeve length seg/spine-elbow	89	114	86				
770 Sleeve length seg/spine-scye	88	113	85				
772 Sleeve length/spine to wrist	90	115	87	62			
797 Span				31			
801 Sphyrion height			30				
805 Stature	7	13	10	2	2	1	2
808 Stature as reported	129	189	170				
811 Stature, maximum	8						
815 Stomion to top of head	103	178	150				
821 Strap length	81				41		
825 Subnasale-sellion length	122	168	145				
827 Subnasale to top of head	102	177					
829 Subnasale to wall	108	185					
833 Subscapular skinfold	4	3	3				
834 Subscapular skinfold-II		9					
840 Sum of skinfolds						7	
841 Suprasternale height	11	19	16	·8			
844 Suprailiac skinfold	5	7	7				
845 Suprailiac skinfold-II		11					
848 Suprapatella skinfold		8					
852 Thigh circumference	45	96	70	51	34		
853 Thigh circumference, sitting		97	71				
856 Thigh clearance	78	65	61	24		12	
859 Thigh-thigh breadth, sitting	69						
867 Thumb-tip reach	33	47	41	34			3
869 Thumb-tip reach, extended	34	48					
873 Tibiale height	18						
877 Tragion height				5			
882 Tragion to top of head	99	180	152	116	49		
884 Tragion to wall	105	188	159	120			
888 Triceps skinfold	3	4	4				
890 Triceps skinfold-II		10					
894 Trochanterion height	15	24	20		7		
896 Trunk depth					16		
898 Trunk height					10		
911 Vertical grip reach	35						

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

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TABLE III (Continued)

MEASUREMENT LOCATOR

Measurement	AFW '68	FLY '67	B-T '65	FLY '50	WAC '46	HEX	LAW ENF
916 Vertical trunk circumference	50	74	68	70	29		
917 Vertical trunk circ, sitting	51	75	69				
921 Waist back	85	124	96	66	39		
924 Waist breadth	67	53	47	41			
931 Waist circumference	41	70	65	49	26	6	6
933 Waist circumfer, sitting		71					
939 Waist depth	75	63	58	44			
946 Waist front		122	94	67	40		7
949 Waist height	13	21	18	12	5		
951 Waist height, sitting	26			22			
957 Weight	2	2	2	1	1	2	1
960 Weight as reported	130	190	169				
964 Wrist breadth			54				
967 Wrist circumference	62	112	84	60	33		
973 Wrist height		<u>17</u>	14	14			

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names.

TABLE III (continued)

ALTERNATE NAMES

AIR FORCE WOMEN'S SURVEY--1968

Names on Tape	AMRL Data Bank Names
Bust circumference	Chest circumference
Chest depth	Bust depth
Humeral breadth	Elbow breadth
Interscye, maximum	Interscye, maximum-II
Overhead reach	Vertical grip reach
Spine to elbow	Sleeve length segment (spine-elbow)
Spine to scye	Sleeve length segment (spine-scye)
Spine to wrist	Sleeve length
Upper thigh circumference	Thigh circumference

FLYING PERSONNEL SURVEY--1967

Names on Tape	AMRL Data Bank Names
...-omphalion	...
Arm circumferences, extended	Arm circumferences, relaxed
Bicristale breadth	Biiliocristale breadth
Ear-to-ear breadth	Biauricular breadth
Elbow breadth-bone	Elbow breadth
External canthus to...	Ectocanthus to...
Guessed Height	Stature as reported
Guessed Weight	Weight as reported
Hand.../metacarpale	Hand...
Head diagonal/menton	Head diagonal/menton to occiput
Heel circumference	Heel-ankle circumference
Height	Stature
Interscye, maximum	Interscye, maximum II
Knee breadth/bone	Femoral breadth
Knee-circumference height	Knee height
Lower arm circumference	Forearm circumference
Menton-nasal root length	Menton-sellion length
Nasal root to...	Sellion to...
Nipple height	Chest height
Radiale height	Elbow height
Sagittal arc-inion	Sagittal arc
SKF...Lange	...skinfold
SKF...Harpenden	...skinfold-II
Stylion height	Wrist height
Subnasale-NRD length	Subnasale-sellion length
Upper thigh circumference	Thigh circumference
...to vertex	...to top of head

TABLE III (continued)

ALTERNATE NAMES

USAF BASIC TRAINEES--1965

Names on Tape	AMRL Data Bank Names
Ball of foot breadth	Foot breadth
Ball of foot girth	Ball of foot circumference
Ball of foot length	Instep length
Biceps circumferences, extended	Biceps circumferences, relaxed
Bitrochanteric/bone	Bitrochanteric breadth
Chest breadth/skin	Chest breadth
Functional reach	Thumb-tip reach
Guessed height	Stature as reported
Guessed weight	Weight as reported
Height	Stature
Knee breadth	Femoral breadth
Maximum forearm-forearm breadth	Forearm-forearm breadth
Maximum head diagonal/menton	Head diagonal/menton to occiput
Maximum head diagonal/nuchale	Head diagonal/maximum to nuchale
Neck circumference/maximum	Neck circumference
SL spine-elbow	Sleeve length segment: (spine-elbow)
SL spine/scye	Sleeve length segment: (spine-scye)
SL spine-wrist	Sleeve length (spine-wrist)
Thickness at metacarpale III	Hand thickness
Upper thigh circumference	Thigh circumference
Vertex to...	...to top of head
Wall to stomion	Lip protrusion to wall
Wall to...	...to wall
...nasal root depression	...sellion

FLYING PERSONNEL SURVEY--1950

Names on Tape	AMRL Data Bank Names
Buttock-leg length	Buttock-heel length
External canthus to wall	Ectocanthus to wall
Functional reach	Thumb-tip reach
Head height	Tragion to top of head
Height	Stature
Kneecap height	Patella top height
Knuckle height	Metacarpale III height
Lower arm circumference, flexed	Forearm circumference, flexed
Nasal root to wall	Sellion to wall
Nipple height	Chest height
Nose breadth	Nasal breadth
Posterior arc	Bitragion-posterior arc
Shoulder breadth	Bideltoid breadth
Shoulder heights	Acromial heights
Thickness-Meta III	Hand Thickness

TABLE III (continued)

ALTERNATE NAMES

U. S. ARMY WOMEN--1946

Names on Tape	AMRL Data Bank Names
Arm scye circumference	Scye circumference
Biiliac breadth	Biiliocristale breadth
Bust circumference	Chest circumference
Canthus-otobasion	Ectocanthus to otobasion
Cervicale-lateral neck	Neck-cervicale length
Chest depth	Chest depth at scye
Elbow-fingertip length	Forearm-hand length
Face breadth	Bizygomatic breadth
Face length	Menton-sellion length
Head height	Tragion to top of head
Hip circumference	Hip circumference at trochanterion
Hip height	Trochanteric height
Lateral neck-waist	Neck-waist length
Nipple-nipple length	Bustpoint-bustpoint length
Nose breadth	Nasal breadth
Shoulder breadth	Bideltoid breadth
Shoulder height	Acromial height
Trunk height, sitting	Trunk height
Upper thigh circumference	Thigh circumference

HEALTH EXAMINATION SURVEY--1960-1962

Names on Tape	AMRL Data Bank Names
Height	Stature
Knee height	Knee height, sitting
Right arm girth	Biceps circumference, relaxed
Seat breadth	Hip breadth, sitting
Sitting height	Sitting height, relaxed
Sitting height, erect	Sitting height

LAW ENFORCEMENT OFFICERS SURVEY

Names on Tape	AMRL Data Bank Names
Face breadth	Bizygomatic breadth
Face length	Menton-sellion length
Functional reach	Thumb-tip reach
Height	Stature
Shoulder breadth	Bideltoid breadth
Shoulder height, sitting	Acromial height, sitting

Section IV

THE CORRELATIONS--AIR FORCE WOMEN--1968

Until this year when an as-yet-unpublished survey of U. S. Army women was completed, the survey of Air Force women, conducted in the spring of 1968, constituted the only major anthropometric survey of American women made in over 30 years. One hundred and twenty-three body size dimensions, plus grip strength, were measured on a sample of 1905 women; 13 of the measurements were repeated on slightly more than three-quarters of the survey sample with the subjects wearing foundation garments. The subjects ranged from basic trainee to colonel in military rank and from 18 to 57 years in age.

The conduct and results of this survey have been amply reported in Anthropometry of Air Force Women (Clauser et al. 1972). Of the almost two thousand subjects, one-quarter were officers (mean age: 31); 5% were officer trainees (mean age: 24); somewhat more than half were enlisted women, airmen basic to senior master sergeants (mean age: 21); and one-sixth were basic trainees (mean age: 19.5).

The measured officers were predominantly nurses (about five out of six) and half of the officers who were not nurses were classified as being in the biomedical sciences. The largest single group of the enlisted subjects-- about 44%--had medical Air Force Specialty Codes (AFSC's). Another 8% had dental AFSC's; the women with medical or dental AFSC's thus constituted over half of the enlisted series. The only other substantial group was that of the administrative AFSC's who totalled 16%. The probable assignments of the officer trainees and the basic trainees were not ascertained; these groups are not included in the breakdowns noted in this paragraph.

The sample was made up of 91% Whites, 8% Blacks, and 1% other. Seven percent were born in New England, 21% in the mid-Atlantic states, 13% in the south-Atlantic states, 18% in the east-north-central states, 7% in the east-south-central states, 9% in the west-north-central states, 10% in the west-south central states, 3% in the mountain states, 9% in the Pacific states, and 3% were foreign born. About 10% of the subjects were married, 2% divorced, and the rest single. No information as to their educational background was collected.

Correlations for age, the 123 body size measurements, grip strength, and reported stature and weight appear in Table IV. (Missing variable numbers 126-138 represent the over-foundation-garment measurements which are not included in the correlation matrices.)

TABLE IV

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE															
2 WEIGHT	.2230														
3 TRICEPS SKINFOLD	.1477	.5967													
4 SUBSCAPULAR SKINFD	.1612	.5646	.6105												
5 SUPRAILIAC SKINFLD	.0106	.5821	.6043	.6591											
6 MEDIAL CALF SKINFD	-.0198	.3618	.5113	.3316	.3721										
7 STATURE	.0481	.5325	.0745	.0060	.0979	.0169									
8 STATURE, MAXIMUM	.0460	.5331	.0755	.0056	.0978	.0158	.9980								
9 CERVICALE HEIGHT	.0435	.5405	.0909	.0274	.1236	.0266	.9772	.9786							
10 ACROMIAL HEIGHT	.0676	.5522	.0966	.0405	.1219	.0354	.9589	.9603	.9647						
11 SUPRASTERNALE HGHT	.0480	.5527	.1015	.0384	.1267	.0331	.9728	.9743	.9722	.9671					
12 BUST POINT HEIGHT	-.0226	.4571	.0369	-.0213	.0571	.0124	.9267	.9270	.9271	.9419	.8974				
13 WAIST HEIGHT	.0387	.4965	.0740	.0264	.1097	.0090	.9136	.9159	.9268	.9305	.9157	.8974			
14 ABDOMINAL EXT HGT	-.0231	.4310	.0241	-.0374	.0618	-.0104	.8969	.8989	.9107	.9347	.9157	.8931	.9469		
15 TROCHANTERIC HGHT	.0101	.4599	.0504	.0140	.0780	.0101	.9257	.9270	.9271	.9347	.9305	.8560	.8964	.8958	
16 BUTTOCK HEIGHT	-.0346	.4676	.0854	.0564	.1443	-.0399	.8475	.8489	.8659	.8591	.8684	.8441	.8895	.8946	.8840
17 GLUTEAL FURROW HGT	-.0499	.3656	.0173	-.0209	.0701	-.0093	.8252	.8245	.8389	.8280	.8362	.8366	.8642	.8735	.8604
18 TIBIALE HEIGHT	-.0029	.4079	.0473	.0060	.0906	-.0129	.7866	.7887	.8149	.7976	.8091	.7859	.8315	.8350	.7851
19 CROTCH HEIGHT	-.0553	.4305	.0358	.0004	.0920	-.0070	.8491	.8537	.8761	.8650	.8799	.8619	.9093	.9185	.9015
20 ANKLE HEIGHT	-.0437	.1577	-.0088	.0481	.0291	-.0657	.3062	.3067	.3275	.3150	.3160	.2999	.3142	.2802	.2554
21 LAT"L MALLEOLUS HT	-.0022	.2464	.0838	.0377	.0886	.0516	.4258	.4249	.4188	.4132	.4225	.3944	.4081	.4088	.3798
22 SITTING HT,RELAXED	-.0999	.4516	.0910	.0175	.0802	.0254	.7824	.7832	.7348	.7106	.7264	.6588	.5960	.5490	.4932
23 SITTING HEIGHT	.0909	.4813	.1045	.0260	.0896	.0403	.8006	.8028	.8149	.7976	.8091	.7859	.8315	.8350	.5065
24 EYE HEIGHT,SITTING	.1089	.4473	.1115	.0203	.0965	.0441	.7372	.7399	.7527	.7292	.7438	.6734	.6069	.5591	.5065
25 MIDSHOULDER HT,SIT	.1342	.4973	.1468	.0944	.1198	.0645	.7164	.7187	.7035	.7206	.6855	.6300	.5583	.5046	.4699
26 WAIST HGHT,SITTING	.1445	.3861	.2243	.1900	.1785	.1072	.4041	.4078	.3983	.3964	.3917	.3407	.4163	.3095	.2827
27 ELBOW REST HEIGHT	-.0457	.1603	.0968	.0397	.0710	.0751	.2036	.2048	.1858	.2196	.1723	.1440	.0447	.0039	-.0452
28 POPLITEAL HEIGHT	-.0725	.3701	.0148	-.0127	.1015	-.0062	.7276	.7300	.7452	.7364	.7467	.7308	.7622	.7797	.7499
29 BUTTOCK-POPLIT"L L	.0860	.5651	.2247	.1813	.2328	.1206	.6530	.6546	.6729	.6738	.6871	.6542	.7098	.7001	.6966
30 BUTTOCK-KNEE LNGTH	.0633	.6941	.2895	.2251	.2843	.1827	.7687	.7701	.7888	.7889	.8001	.7556	.8093	.7943	.7977
31 ACROMION-RADIALE L	.0466	.4412	.0680	.0375	.1082	-.0022	.7247	.7270	.7337	.7518	.7353	.7067	.7473	.7479	.7606
32 RADIALE-STYLION L	.0025	.3759	.0232	.0020	.0379	-.0458	.6659	.6690	.6881	.6771	.6860	.6721	.6987	.6948	.6917
33 THUMB-TIP REACH	.0861	.4326	.0843	.0469	.1053	.0101	.6462	.6465	.6618	.6568	.6553	.6269	.6522	.6379	.6494
34 THUMB-TIP,EXTENDED	.0366	.4221	.0680	.0637	.0625	.0233	.6115	.6128	.6155	.6158	.6137	.5979	.6128	.5936	.6235
35 OVERHEAD REACH	.0098	.4849	.0429	-.0035	.0744	.0172	.8520	.8533	.8555	.8579	.8639	.8337	.8346	.8258	.8301
36 NECK CIRCUMFERENCE	.1590	.5820	.3058	.3644	.3093	.1666	.3187	.3175	.3160	.3157	.3099	.2706	.2638	.2230	.2456
37 SHOULDER CIRCUMFER	.2330	.8350	.5299	.5815	.5398	.2443	.3336	.3342	.3343	.3503	.3570	.2715	.3082	.2634	.2947
38 CHEST CIRC AT SCYE	.2906	.8032	.5029	.6090	.5534	.2415	.2917	.2913	.2918	.3161	.3075	.2301	.2679	.2112	.2403
39 BUST CIRCUMFERENCE	.2675	.8032	.5249	.6278	.6005	.2508	.2566	.2566	.2631	.2915	.2790	.1826	.2377	.1801	.2117
40 CHEST C BELOW BUST	.2649	.7902	.4877	.5720	.5384	.2450	.2881	.2889	.2927	.3275	.3083	.2532	.2583	.2022	.2478
41 WAIST CIRCUMFERNCE	.2343	.8244	.5418	.6461	.6409	.2894	.2786	.2774	.2926	.3130	.2977	.2155	.2382	.1924	.2549
42 ABDOMINAL EXT CIRC	.2963	.7939	.5881	.6279	.6086	.3374	.2451	.2426	.2457	.2667	.2491	.1700	.2152	.1109	.1852
43 HIP C-7""BLW WAIST	.2302	.8917	.6139	.5792	.5782	.3768	.3549	.3521	.3530	.3698	.3625	.2861	.3170	.2533	.2857
44 HIP C-9""BLW WAIST	.2193	.8855	.6116	.5288	.5431	.3968	.3601	.3601	.3652	.3745	.3734	.2890	.3365	.2659	.2899
45 UPPER THIGH CIRCUM	.1547	.8404	.6300	.5226	.5658	.4224	.2660	.2652	.2738	.2829	.2805	.2097	.2523	.1989	.2193

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 KNEE CIRCUMFERENCE	.1451	.8194	.5641	.4102	.4439	.4543	.3865	.3863	.3905	.3932	.4021	.3297	.3526	.3011	.3181
47 CALF CIRCUM, RIGHT	.0474	.7524	.4877	.3428	.3748	.4347	.2955	.2944	.2897	.2919	.3011	.2444	.2465	.2147	.2451
48 CALF CIRCUM, LEFT	.0609	.7473	.4810	.3331	.3602	.4297	.2995	.2978	.2918	.2953	.3041	.2478	.2493	.2170	.2496
49 ANKLE CIRCUMFERNCE	-.0234	.5913	.3196	.1758	.2255	.3184	.3541	.3538	.3481	.3434	.3546	.3097	.2866	.2636	.2578
50 VERTICAL TRUNK CIR	.2354	.7872	.4110	.3746	.3568	.2418	.6186	.6189	.6120	.6381	.6168	.5416	.5013	.4254	.4369
51 VERTICAL TRK C,SIT	.2765	.7370	.3541	.3231	.3267	.1937	.6787	.6807	.6744	.6962	.6715	.6013	.5608	.4900	.4805
52 BUTTOCK CIRC, SIT	.2618	.9040	.5975	.5490	.5508	.3781	.3804	.3807	.3881	.4043	.3985	.3095	.3606	.2817	.3221
53 SCYE CIRCUMFERENCE	.2379	.7763	.4951	.5326	.4872	.2411	.3646	.3652	.3735	.4077	.3862	.3061	.3417	.2853	.3193
54 AXILLARY ARM CIRC	.2928	.7934	.6673	.6815	.6372	.3496	.1542	.1405	.1739	.1839	.1905	.1067	.1459	.0829	.1143
55 BICEPS C,RELAXED,R	.2985	.8026	.7174	.6318	.5852	.4253	.1627	.1622	.1493	.1674	.1699	.0859	.1198	.0596	.1076
56 BICEPS C,FLEXED, R	.3068	.8054	.6919	.6058	.5650	.4024	.1420	.1346	.1440	.1893	.1928	.1040	.1389	.0870	.1269
57 BICEPS C,RELAXED,L	.2985	.8063	.7093	.6339	.5823	.4281	.1361	.1346	.1440	.1652	.1643	.0889	.1221	.0581	.1077
58 BICEPS C,FLEXED, L	.3068	.8047	.6855	.6085	.5643	.4135	.1556	.1544	.1652	.1828	.1838	.1050	.1390	.0809	.1222
59 ELBOW CIRC, FLEXED	.1313	.5722	.3007	.2802	.2985	.1817	.4113	.4109	.4161	.4251	.4301	.3806	.3833	.3704	.3890
60 FOREARM C, RELAXED	.1944	.8077	.5595	.4838	.4794	.3363	.3083	.3083	.3155	.3334	.3377	.2627	.2751	.2355	.2670
61 FOREARM C, FLEXED	.1752	.7793	.5373	.4719	.4724	.3222	.3087	.3069	.3147	.3267	.3351	.2617	.2718	.2425	.2635
62 WRIST CIRCUMFERNCE	.1017	.6456	.3080	.2730	.3119	.1794	.4532	.4547	.4502	.4517	.4625	.3954	.3976	.3862	.4010
63 BIACROMIAL BREADTH	.1485	.4951	.1491	.1558	.1404	-.0306	.3016	.3008	.3038	.3224	.3179	.4125	.4090	.3667	.3662
64 BIDELTOID BREADTH	.2266	.7980	.4016	.4719	.5298	.2543	.4563	.4561	.4518	.4174	.4542	.2409	.2733	.2194	.2517
65 CHEST BREADTH	.1580	.7008	.3570	.4146	.5728	.1856	.2703	.2800	.2764	.3136	.2915	.2318	.2416	.1959	.2278
66 BUST PT-BUST PT BR	.1461	.5860	.4691	.5353	.4439	.2531	.2108	.2098	.2153	.2353	.2387	.1540	.2106	.1790	.1956
67 WAIST BREADTH	.1944	.7676	.5297	.4251	.4800	.3642	.3288	.3308	.3425	.3592	.3440	.2659	.2927	.2560	.2949
68 HIP BREADTH	.2729	.7704	.5906	.4761	.1974	.4139	.3483	.3480	.3490	.3501	.3498	.2758	.3182	.2528	.2757
69 THIGH-THIGH BR,SIT	.1371	.7830	.2022	.0984	.1983	-.0984	.2395	.2409	.2466	.2559	.2474	.1700	.2116	.1356	.1752
70 HUMERAL BREADTH, R	.1050	.5382	.2140	.1184	.1130	.1130	.4862	.4883	.4831	.4837	.4958	.4380	.4417	.4281	.3963
71 HUMERAL BREADTH, L	.1151	.5439	.2818	.1983	.1983	.1852	.4913	.4937	.4926	.4934	.5006	.4453	.4461	.4336	.4053
72 FEMORAL BREADTH, R	.1362	.4869	.2990	.2059	.2391	.1961	.3381	.3423	.3442	.3434	.3488	.2906	.3083	.2870	.2573
73 FEMORAL BREADTH, L	.1362	.5147	.2950	.2199	.2498	.2572	.3458	.3498	.3517	.3536	.3556	.2958	.3161	.2937	.2691
74 CHEST DEPTH	.2919	.7440	.5110	.6114	.5773	.2742	.2268	.2287	.2453	.2639	.2552	.1634	.2353	.1740	.2132
75 WAIST DEPTH	.2887	.7364	.4984	.6085	.5661	.3552	.1924	.1919	.2101	.2298	.2180	.1357	.1810	.1092	.1886
76 ABDOMINAL EXT DPTH	.1638	.7911	.5733	.6371	.5936	.3920	.2078	.2081	.2249	.2457	.2307	.1564	.2095	.1173	.2119
77 BUTTOCK DEPTH	.2300	.8048	.5983	.5772	.5373	.3600	.2378	.2081	.2101	.2711	.2642	.1887	.2429	.1727	.2344
78 THIGH CLEARANCE	-.0092	.7135	.4191	.3293	.4164	.3059	.4312	.4359	.4472	.4430	.4538	.3991	.4435	.4125	.4284
79 SHOULDER LENGTH	.0277	.2734	.3635	.0322	.0404	-.0326	.3655	.3658	.3733	.2757	.3529	.3105	.3352	.3247	.3246
80 NECK-BUST POINT L	.3114	.5725	.4106	.4064	.4206	.1506	.2648	.2662	.2710	.2581	.2575	.0317	.2244	.1623	.1651
81 STRAP LENGTH	.3256	.6545	.3018	.4479	.4432	.1721	.3235	.3225	.3157	.3058	.3202	.0935	.2605	.2000	.2100
82 INTERSCYE	.1938	.5341	.2943	.3636	.3401	.1108	.1880	.1900	.1905	.2039	.1937	.1299	.1644	.1222	.1394
83 INTERSCYE, MAXIMUM	.1707	.5528	.3584	.3244	.3311	.0999	.3517	.3530	.3616	.3553	.3432	.2774	.3217	.2753	.2406
84 BACK CURVATURE	.1654	.6064	-.0206	.4307	.3560	.2133	.2359	.2380	.2384	.2699	.2407	.1837	.2014	.1695	.2092
85 WAIST BACK	.0095	.2983	.2178	-.0340	.0363	.0120	.5874	.5883	.6090	.5564	.5487	.5110	.3947	.4183	.3721
86 ANTERIOR WAIST LTH	-.0466	.4589	.2045	.1965	.2580	.1401	.4575	.4573	.4369	.4360	.4840	.4136	.2700	.2722	.2685
87 SLEEVE INSEAM	-.0828	.2882	-.0556	-.0810	-.0297	-.0570	.7074	.7082	.7281	.7008	.7170	.7224	.7168	.7487	.7422
88 SPINE-TO-SCYE LGTH	.1509	.4298	.1838	.1981	.2333	.0419	.2591	.2609	.2576	.2644	.2522	.1978	.2283	.2021	.1711
89 SPINE-TO-ELBOW LTH	.1274	.5689	.1777	.1386	.1784	.0373	.6793	.6807	.6783	.6623	.6758	.6262	.6600	.6408	.6295
90 SPINE-TO-WRIST LTH	.0770	.5661	.1328	.1011	.1446	.0084	.7579	.7602	.7679	.7563	.7670	.7306	.7601	.7483	.7417

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91 HAND LENGTH	.0802	.3830	.0655	-.0197	.0496	-.0684	.0013	.6047	.6039	.5923	.6085	.5699	.6027	.6039	.5989
92 HAND BREADTH	.1399	.4171	.0574	.0455	.0840	.0021	.3796	.3814	.3757	.3757	.3774	.3341	.3401	.3324	.3285
93 HAND CIRCUMFERENCE	.1375	.4996	.1543	.1240	.1684	.0459	.3648	.3066	.3636	.3684	.3744	.3214	.3214	.3080	.3000
94 FOOT LENGTH	.0555	.5100	.0522	.0385	.1602	.0213	.0916	.0359	.6966	.6837	.6900	.6457	.6798	.6609	.6575
95 HEAD LENGTH	.1177	.3926	.0552	.0400	.0659	.0305	.3554	.3545	.3460	.3494	.3568	.3411	.3407	.3199	.3437
96 HEAD BREADTH	.1905	.3039	.0530	.0210	.0516	.0352	.3184	.3214	.2990	.2977	.3067	.2840	.2968	.2833	.2868
97 HEAD CIRCUMFERENCE	.0945	.4028	.1556	.1328	.1416	.0905	.1350	.1356	.1212	.1339	.1171	.0851	.1225	.0901	.0955
99 TRAGION-TOP HEAD	.0008	.2217	.1057	.0987	.0968	.0630	.3306	.3346	.3084	.3108	.3190	.2844	.3057	.2804	.3175
100 ECTOCANTHUS-TOP HD	.0606	.1678	.0597	.0700	.0631	.0591	.2445	.2419	.2079	.2054	.2143	.1899	.2050	.1933	.2158
101 PRONASALE-TOP HEAD	.0961	.1454	.0219	.0122	.0109	.0107	.2355	.2332	.1976	.1969	.2110	.1938	.1942	.1924	.2127
102 SUBNASALE-TOP HEAD	.0694	.1832	.0134	-.0195	-.0265	-.0110	.2404	.2378	.1992	.1953	.2112	.1924	.1925	.1896	.1889
103 STOMION-TOP HEAD	.0575	.1859	.0141	-.0014	-.0194	-.0001	.2857	.2841	.2445	.2412	.2588	.2345	.2345	.2298	.2392
104 MENTON-TOP HEAD	.0049	.2722	.0041	-.0143	-.0209	-.0073	.2941	.2923	.2541	.2473	.2694	.2447	.2456	.2461	.2499
105 TRAGION TO WALL	.0862	.2241	.0331	.0093	.0060	.0126	.3592	.3577	.3157	.3148	.3347	.3087	.3018	.3027	.3147
106 ECTOCANTHUS-WALL	.1378	.2912	.0754	.0850	.0809	.0380	.1773	.1775	.1878	.1877	.1855	.1869	.1875	.1841	.1950
107 PRONASALE TO WALL	.1460	.3445	.0923	.0987	.0865	.0126	.2412	.2418	.2439	.2427	.2498	.2355	.2410	.2225	.2582
108 SUBNASALE TO WALL	.0837	.3111	.0992	.1037	.0994	.0467	.2797	.2814	.2887	.2871	.2898	.2685	.2851	.2680	.2915
109 LIP PROTRUS"N-WALL	.0691	.2696	.0818	.1195	.1037	.0366	.2300	.2327	.2451	.2445	.2483	.2360	.2527	.2375	.2729
110 MENTON TO WALL	.1446	.3033	.0643	.1209	.1046	.0264	.1029	.1651	.1843	.1847	.1862	.1790	.2007	.1874	.2309
111 SAGITTAL CURVATURE	.0961	.2369	.1317	.1971	.1620	.0712	.1058	.1083	.1562	.1460	.1552	.1224	.1449	.1271	.1631
112 BITRAGION-CORONAL	.0666	.3030	.0353	-.0333	-.0252	.0412	.2739	.2802	.2448	.2422	.2440	.2253	.2175	.1956	.1993
113 BIOCULAR BREADTH	.0864	.2341	.1244	.1292	.1240	.0830	.2450	.2450	.2138	.2188	.2158	.1797	.2112	.1945	.2142
114 BIAURICULAR BRDTH	.1233	.2160	.0812	.0644	.1184	-.0220	.1918	.1959	.2028	.1943	.2018	.1768	.2039	.2039	.1844
115 BITRAGION BREADTH	.2453	.3919	.1153	.1042	.0561	.0283	.1515	.1515	.1378	.1456	.1435	.1334	.1351	.1103	.1259
116 BIZYGOMATIC BRDTH	.0888	.3550	.2076	.2066	.1669	.1106	.2282	.2282	.2208	.2366	.2221	.1881	.2220	.1861	.1927
117 BIGONIAL BREADTH	.1404	.3466	.2353	.2210	.2344	.1310	.1986	.1986	.2208	.2063	.2026	.1616	.2006	.1855	.1479
118 NASAL BREADTH	.0633	.1000	-.0470	-.0543	-.0068	-.0991	.0321	.0347	.1525	.1581	.1456	.0981	.1496	.1300	.0902
119 LIP LENGTH	.0438	.0830	-.0487	-.0120	-.0088	-.0661	.0006	.0412	.0405	.0435	.0567	.0488	.0653	.0718	.1097
120 MENTON-SUBNASALE L	.0376	.2167	.0517	.0417	.0340	-.0043	.0671	.0735	.0643	.0405	.0716	.0484	.0933	.0937	.0834
121 MENTON-SELLION LTH	.1085	.2645	.0541	.0352	-.0275	-.0116	.1832	.1692	.1756	.1636	.1803	.1636	.1653	.1611	.1812
122 SUBNASALE-SELLION	.2585	.1655	.0307	-.0033	-.0275	-.0686	.2073	.2588	.2488	.2488	.2535	.2215	.2252	.2158	.2237
123 EAR LENGTH	.2714	.2604	.1223	.1370	.0826	-.0192	.1801	.1752	.1766	.1604	.1622	.1320	.1382	.1276	.1183
124 EAR BREADTH	.1369	.1392	.0421	.0267	.0100	-.0223	.1766	.1608	.1681	.1633	.1708	.1461	.1488	.1050	.1418
125 GRIP STRENGTH	.1501	.3609	.0941	.0642	.0639	-.0223	.1037	.1066	.1010	.1024	.1083	.1008	.1069	.1011	.1185
139 STATURE REPORTED	.0395	.5524	.0979	.0306	.1310	.0315	.9534	.9254	.9477	.9332	.9419	.9921	.8889	.8731	.8317
140 WEIGHT REPORTED	.2545	.9634	.5555	.5418	.5513	.3514	.5498	.5506	.5542	.5663	.5671	.4753	.5109	.4459	.4706

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-.0346	-.0499	-.0029	-.0553	.0437	-.0022	.0999	.0909	.1089	.1342	.1445	.0457	-.0725	.0860	.0633
2 WEIGHT	.4676	.3656	.4079	.4305	.1577	.2464	.4516	.4813	.4478	.4973	.3861	.1603	.3701	.5651	.6941
3 TRICEPS SKINFOLD	.0854	.0173	.0473	.0358	-.0088	.0838	.0910	.1045	.1115	.1468	.2243	.0968	-.0148	.2247	.2895
4 SUBSCAPULAR SKINFD	.0564	-.0209	.0060	.0004	-.0481	-.0377	.0175	.0260	.0203	.0944	.1900	.0397	-.0127	.1813	.2251
5 SUPRAILIAC SKINFLD	.1443	-.0701	-.0906	.0920	.0291	.0886	.0802	.0896	.0965	.1198	.1785	.0710	-.1015	.2328	.2843
6 MEDIAL CALF SKINFD	.0399	-.0093	-.0129	.0070	-.0657	.0516	.0254	.0403	.0441	.0645	.1072	.0751	-.0062	.1206	.1827
7 STATURE	.8475	.8252	.7866	.8491	.3062	.4258	.7832	.8028	.7372	.7187	.4041	.2036	.7276	.6530	.7687
8 STATURE, MAXIMUM	.8489	.8245	.7887	.8537	.3067	.4249	.7824	.8006	.7399	.7184	.4078	.2048	.7300	.6546	.7701
9 CERVICALE HEIGHT	.8659	.8389	.8149	.8761	.3276	.4188	.7348	.7527	.6987	.7035	.3983	.1858	.7452	.6729	.7888
10 ACROMIAL HEIGHT	.8591	.8280	.7976	.8650	.3150	.4132	.7106	.7292	.6730	.7206	.3964	.2196	.7364	.6738	.7889
11 SUPRASTERNALE HGHT	.8684	.8362	.8091	.8799	.3160	.4225	.7264	.7438	.6881	.6855	.3917	.1723	.7467	.6871	.8001
12 BUST POINT HEIGHT	.8441	.8366	.7859	.8619	.2999	.3944	.6588	.6734	.6183	.6300	.3407	.1440	.7308	.6542	.7556
13 WAIST HEIGHT	.8895	.8642	.8315	.9093	.3142	.4081	.5960	.6069	.5623	.5583	.4163	.0447	.7622	.7098	.8093
14 ABDOMINAL EXT HGT	.8946	.8735	.8350	.9185	.2802	.4088	.5490	.5591	.5134	.5046	.3095	-.0039	.7797	.7001	.7943
15 TROCHANTERIC HGHT	.8840	.8604	.7851	.9015	.2554	.3798	.4932	.5065	.4556	.4699	.2827	-.0452	.7499	.6966	.7977
16 BUTTOCK HEIGHT		.8852	.8192	.9066	.3043	.3993	.4716	.4819	.4369	.4417	.2627	-.0437	.7813	.7125	.8101
17 GLUTEAL FURROW HGT	.8852		.8083	.8839	.3074	.3634	.4448	.4527	.4022	.4130	.2177	-.0870	.7413	.6554	.7380
18 TIBIALE HEIGHT	.8192	.8083		.8424	.4428	.3830	.4553	.4672	.4203	.4130	.2356	-.0367	.7367	.6125	.7112
19 CROTCH HEIGHT	.9066	.8839	.8424		.3136	.3738	.4553	.4672	.4227	.4158	.2225	-.0905	.7881	.7154	.8112
20 ANKLE HEIGHT	.3043	.3074	.4428	.3136		.2155	.2121	.2103	.1765	.2118	.1164	-.0055	.2534	.1888	.2380
21 LAT''L MALLEOLUS HT	.3993	.3634	.3830	.3738	.2155		.3286	.3322	.3144	.2867	.1970	-.0952	.2155	.2561	.2873
22 SITTING HT,RELAXED	.4716	.4448	.4553	.4553	.2121	.3286		.9681	.9034	.8512	.5439	.5384	.3951	.2914	.4020
23 SITTING HEIGHT	.4819	.4527	.4672	.4672	.2103	.3322	.9681		.9275	.8810	.5564	.5454	.3982	.3213	.4308
24 EYE HEIGHT, SITTING	.4369	.4022	.4203	.4227	.1765	.3144	.9034	.9275		.8375	.5694	.5579	.3590	.2914	.3925
25 MIDSHOULDER HT,SIT	.4417	.4130	.4130	.4158	.2118	.2867	.8512	.8810	.8375		.5573	.6458	.3615	.2888	.4020
26 WAIST HGHT,SITTING	.2627	.2177	.2356	.2225	.1164	.1970	.5439	.5564	.5694	.5573		.4264	.1708	.1670	.2521
27 ELBOW REST HEIGHT	-.0437	-.0870	-.0367	-.0905	-.0055	-.0952	.5384	.5454	.5579	.6458	.4264		-.0483	-.1278	-.0705
28 POPLITEAL HEIGHT	.7813	.7413	.7367	.7881	.2534	.2155	.3951	.3982	.3590	.3615	.1708	-.0483		.5588	.6526
29 BUTTOCK-POPLIT''L L	.7125	.6554	.6125	.7154	.1888	.2561	.2914	.3213	.2914	.2888	.1670	-.1278	.5588		.8655
30 BUTTOCK-KNEE LNGTH	.8101	.7380	.7112	.8112	.2380	.2873	.4020	.4308	.3925	.4020	.2521	-.0705	.6526	.8655	
31 ACROMION-RADIALE L	.7384	.7102	.6426	.7492	.1787	.3212	.4306	.4489	.4092	.4163	.1719	-.1232	.6293	.5977	.6820
32 RADIALE-STYLION L	.6873	.6746	.6990	.7164	.3812	.2123	.3613	.3785	.3211	.3470	.1638	-.0831	.6147	.6147	.6331
33 THUMB-TIP REACH	.6369	.6193	.6079	.6556	.2748	.2477	.3898	.3932	.3333	.3935	.2572	-.0117	.5689	.5689	.6037
34 THUMB-TIP,EXTENDED	.5781	.5759	.5504	.6088	.2724	.2184	.3917	.4192	.3843	.3882	.3107	-.0603	.4885	.4839	.5805
35 OVERHEAD REACH	.7861	.7708	.7336	.8126	.3319	.3129	.5937	.6154	.5585	.5683	.3107	-.0947	.6707	.6224	.7393
36 NECK CIRCUMFERENCE	.2488	.1983	.2599	.2282	.2659	.1294	.3050	.3256	.2875	.3326	.2844	.2104	.2304	.2593	.3499
37 SHOULDER CIRCUMFER	.2952	.2153	.2464	.2643	.0954	.1517	.2909	.2817	.2630	.3127	.2886	.0606	.1809	.3909	.4825
38 CHEST CIRC AT SCYE	.2546	.1860	.2223	.2165	.1350	.1271	.2571	.2386	.2273	.2814	.2588	.0653	.1724	.3491	.4388
39 BUST CIRCUMFERENCE	.2378	.1625	.1975	.1898	.1042	.1276	.2246	.2628	.2409	.3069	.2382	.0739	.1894	.3450	.4258
40 CHEST C BELOW BUST	.2615	.1876	.2197	.2218	.1103	.1353	.2430	.2628	.2046	.2960	.2009	.1013	.1860	.3530	.4374
41 WAIST CIRCUMFERNCE	.2743	.1894	.2036	.2206	.1202	.1163	.2119	.2463	.2425	.2425	.3105	.1242	.1238	.3888	.4736
42 ABDOMINAL EXT CIRC	.2142	.1333	.1613	.1468	.0769	.1010	.2265	.2359	.2046	.2960	.3105	.1212	.1238	.3491	.4250
43 HIP C-7'''BLW WAIST	.3058	.2082	.2442	.2357	.0759	.1523	.3148	.3448	.3272	.3815	.3305	.1458	.2087	.4791	.5772
44 HIP C-9'''BLW WAIST	.2839	.1825	.2510	.2456	.0951	.1338	.3550	.3825	.3627	.4062	.3792	.1750	.2011	.4775	.5829
45 UPPER THIGH CIRCUM	.2347	.1477	.2035	.1916	.0348	.1225	.2417	.2686	.2562	.3053	.3088	.1432	.1677	.4232	.5130

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46	KNEE CIRCUMFERENCE	.3304	.2349	.2916	.2984	.1102	.2249	.3396	.3656	.3432	.3732	.2964	.1564	.2460	.4379	.5554
47	CALF CIRCUM, RIGHT	.2212	.1564	.2001	.2030	.0106	.1843	.2856	.3118	.2853	.2999	.2202	.1082	.1931	.3065	.4466
48	CALF CIRCUM, LEFT	.2277	.1619	.1964	.2058	.0005	.1778	.2862	.3127	.2890	.3019	.2251	.1049	.1962	.3095	.4460
49	ANKLE CIRCUMFERNCE	.2482	.1982	.2812	.2442	.0963	.2109	.3480	.3770	.3437	.3639	.2400	.1663	.2244	.2512	.3835
50	VERTICAL TRUNK CIR	.3989	.3249	.3638	.3647	.1860	.2411	.6771	.7063	.6713	.7511	.4899	.4804	.2969	.4415	.5580
51	VERTICAL TRK C,SIT	.4567	.3871	.4165	.4200	.2041	.2748	.7413	.7698	.7307	.8176	.5337	.4804	.3508	.4347	.5556
52	BUTTOCK CIRC, SIT	.3221	.2092	.2691	.2742	.1073	.1417	.3611	.3849	.3672	.4160	.3811	.1631	.2262	.4841	.5930
53	SCYE CIRCUMFERENCE	.3236	.2534	.2790	.2884	.1602	.1664	.3173	.3382	.3198	.3933	.3249	.1156	.2405	.3896	.4838
54	AXILLARY ARM CIRC	.1454	.0602	.1058	.0964	.0925	.0831	.1827	.2005	.1910	.2412	.2754	.0761	.0794	.2975	.3753
55	BICEPS C,RELAXED,R	.1163	.0343	.0703	.0738	.0340	.0831	.1554	.1861	.1620	.2199	.2351	.0885	.0582	.2941	.3821
56	BICEPS C,FLEXED,R	.1420	.0543	.0918	.0960	.0362	.0984	.1670	.1749	.1738	.2309	.2306	.0739	.0843	.3100	.3803
57	BICEPS C,RELAXED,L	.1155	.0343	.0744	.0734	.0462	.0743	.1436	.1644	.1499	.2159	.2356	.0885	.0507	.2981	.3982
58	BICEPS C,FLEXED,L	.1356	.0539	.0967	.0915	.0579	.0921	.1551	.1764	.1633	.2248	.2268	.0759	.0750	.3084	.3927
59	ELBOW CIRC, FLEXED	.3753	.3314	.3467	.3662	.0915	.2171	.3073	.3291	.2962	.3262	.2177	.0615	.0507	.3568	.4599
60	FOREARM C, RELAXED	.2619	.1913	.2330	.2378	.1026	.1713	.2656	.2979	.2597	.3272	.2413	.0860	.0750	.3481	.4688
61	FOREARM C, FLEXED	.2554	.1968	.2423	.2409	.1033	.1684	.4009	.2637	.3984	.3096	.2306	.0827	.3237	.3405	.4607
62	WRIST CIRCUMFERNCE	.3714	.2980	.3486	.3581	.1818	.2648	.3744	.2909	.3386	.4066	.2649	.1224	.2233	.3391	.4601
63	BIACROMIAL BREADTH	.3530	.3406	.3615	.3800	.1880	.1513	.2702	.4271	.2657	.3230	.1982	-.0830	.3533	.3441	.4233
64	BIDELTOID BREADTH	.2538	.1818	.2386	.2232	.1356	.1049	.2478	.3844	.2745	.3153	.2755	.0645	.3269	.3202	.4602
65	CHEST BREADTH	.2313	.1656	.1938	.2085	.0746	.1191	.2771	.2888	.1597	.2944	.2944	.1069	.2062	.3687	.3949
66	BUST PT-BUST PT BR	.2127	.1504	.1763	.1808	.0453	.1223	.1620	.1674	.2338	.1605	.1666	.0075	.1548	.2777	.3379
67	WAIST BREADTH	.3202	.2412	.2549	.2773	.1446	.0701	.2595	.2774	.3028	.3381	.1577	.0799	.1680	.3756	.4686
68	HIP BREADTH	.2515	.1752	.2372	.2248	.0913	.1023	.3545	.3792	.3028	.3856	.3592	.1865	.2489	.4260	.5266
69	THIGH-THIGH BR,SIT	.1684	.0697	.1336	.1296	.0405	.3035	.2826	.3086	.4184	.3404	.3531	.2034	.1806	.3550	.4505
70	HUMERAL BREADTH, R	.3853	.3447	.3848	.3919	.1537	.2947	.4155	.4401	.4059	.3989	.2755	.1444	.0851	.3680	.4512
71	HUMERAL BREADTH, L	.4015	.3568	.3891	.4032	.1700	.2622	.4143	.4371	.4136	.4136	.2581	.1429	.3567	.3680	.4599
72	FEMORAL BREADTH, R	.2874	.2258	.2925	.2787	.1100	.2659	.2976	.3133	.3296	.2679	.2400	.1385	.3625	.2879	.3573
73	FEMORAL BREADTH, L	.2969	.2325	.2956	.2889	.0974	.1296	.3022	.3197	.3334	.2812	.2432	.1418	.2394	.2975	.3715
74	CHEST DEPTH	.2354	.1568	.1842	.1910	.0836	.0895	.1776	.1942	.1898	.2386	.2499	.1418	.2501	.3436	.4172
75	WAIST DEPTH	.2056	.1113	.1302	.1444	.0791	.0970	.1573	.1741	.1530	.2487	.2262	.0599	.1648	.3310	.3965
76	ABDOMINAL EXT DPTH	.2371	.1300	.1469	.1710	.0743	.0882	.1511	.1768	.1715	.2425	.2488	.0669	.1268	.3983	.4734
77	BUTTOCK DEPTH	.2460	.1279	.1851	.1874	.1056	.2303	.1965	.2268	.2039	.2838	.2741	.0689	.1293	.4455	.5438
78	THIGH CLEARANCE	.4414	.3642	.4002	.4325	.0743	.1073	.2830	.3199	.3340	.3102	.2629	.1035	.1493	.4775	.5914
79	SHOULDER LENGTH	.2766	.2931	.3059	.3184	.1263	.2974	.2974	.3059	.2898	.3038	.1448	-.0796	.3810	.2258	.3008
80	NECK-BUST POINT L	.2002	.1266	.1973	.1555	.1307	.1073	.2882	.2929	.2985	.3436	.2660	-.0950	.2573	.2399	.3108
81	STRAP LENGTH	.2424	.1566	.2132	.1849	.1096	.1568	.3467	.3573	.3501	.3436	.2989	.1361	.1591	.2862	.3596
82	INTERSCYE	.1650	.1070	.1484	.1345	.0019	.0829	.1647	.1940	.1873	.2334	.1796	.0493	.1103	.2255	.2732
83	INTERSCYE, MAXIMUM	.2956	.2423	.3362	.2755	.1160	.1373	.3126	.3196	.3193	.3273	.2754	.1008	.2534	.3111	.3757
84	BACK CURVATURE	.2252	.1456	.1340	.1732	.1603	.2342	.2020	.2304	.2188	.2741	.1971	.1008	.1587	.2443	.3434
85	WAIST BACK	.3494	.3502	.3420	.3725	.1255	.2024	.6149	.6570	.6042	.6428	.0972	.3667	.3105	.3232	.3232
86	ANTERIOR WAIST LTH	.2846	.2403	.2580	.2646	.3817	.2264	.5188	.5310	.5063	.4954	.1177	.3229	.2423	.2497	.3290
87	SLEEVE INSEAM	.7258	.7458	.7332	.7751	.2110	.1428	.3743	.3886	.3256	.3354	.1507	-.2081	.6372	.5672	.6452
88	SPINE-TO-SCYE LGTH	.2135	.1692	.2230	.2646	.2326	.2581	.2391	.2449	.2452	.2591	.1802	.1014	.1993	.2073	.2574
89	SPINE-TO-ELBOW LTH	.6126	.5929	.5821	.6293	.2326	.1428	.4857	.4987	.4579	.4412	.2935	-.0863	.5400	.5352	.6385
90	SPINE-TO-WRIST LTH	.7277	.7082	.7052	.7527	.3061	.2732	.4848	.5010	.4486	.4537	.2764	-.1147	.6489	.6148	.7192

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91	HAND LENGTH	.5724	.5428	.4984	.5851	.0623	.3095	.4024	.4145	.3831	.3602	.1903	.0126	.5569	.4470	.5145
92	HAND BREADTH	.3149	.2765	.3134	.3282	.1575	.2093	.3035	.3196	.2922	.2975	.1626	.0638	.3392	.2637	.3445
93	HAND CIRCUMFERENCE	.3066	.2503	.3026	.2993	.1494	.2249	.2993	.3187	.2856	.3128	.1652	.0850	.3117	.2641	.3617
94	FOOT LENGTH	.6371	.6022	.6111	.6644	.2709	.2720	.4647	.5088	.4501	.4551	.2704	.0091	.2915	.5239	.6262
95	FOOT BREADTH	.3402	.2842	.2916	.3108	.1751	.1548	.2536	.2703	.2184	.2081	.1379	.0091	.2808	.2876	.3608
96	HEAD LENGTH	.2701	.2416	.2257	.2795	.0321	.1522	.2684	.2746	.2288	.2081	.1399	.0402	.2528	.2489	.2962
97	HEAD BREADTH	.1061	.0874	.1010	.0888	.0013	.0881	.1238	.1356	.1035	.1292	.1050	.0374	.0868	.1112	.1397
98	HEAD CIRCUMFERENCE	.2760	.2506	.2513	.2945	.0949	.1164	.2729	.2943	.2135	.2409	.1342	.0206	.2353	.2927	.3444
99	TRAGION-TOP HEAD	.1769	.1868	.1741	.1905	.1098	.0719	.2204	.2320	.1313	.1513	.0841	-.0053	.1365	.1770	.2141
100	ECTOCANTHUS-TOP HD	.1629	.1778	.1713	.1904	.1418	.0750	.2080	.2110	.0795	.1308	.0611	-.0193	.1369	.1605	.1946
101	PRONASALE-TOP HEAD	.1452	.1564	.1737	.1764	.1002	.0928	.2258	.2269	.1095	.1372	.0741	-.0086	.1233	.1511	.1640
102	SUBNASALE-TOP HEAD	.1848	.1954	.2111	.2174	.1409	.1152	.2051	.2688	.1430	.1808	.1002	.0606	.1596	.1785	.2076
103	STOMION-TOP HEAD	.2057	.2057	.2208	.2362	.1333	.1025	.2021	.2647	.1452	.1758	.0859	.0011	.1849	.1915	.2259
104	MENTON-TOP HEAD	.2607	.2455	.2529	.2691	.1049	.1432	.3135	.3203	.2011	.2273	.1005	-.0453	.2334	.2480	.2912
105	TRAGION TO WALL	.1840	.1797	.1882	.1942	.1502	.0504	.0998	.1149	.0909	.1280	.0063	-.0460	.1354	.2126	.2387
106	ECTOCANTHUS-WALL	.2126	.2200	.2216	.2441	.1741	.0521	.1621	.1837	.1402	.1800	.1012	-.0193	.1697	.2547	.2961
107	PRONASALE TO WALL	.2511	.2462	.2586	.2692	.1514	.0901	.2013	.2214	.1948	.2196	.1246	-.0193	.2159	.2793	.3278
108	SUBNASALE TO WALL	.2330	.2304	.2398	.2505	.1554	.0468	.1343	.1537	.1332	.1017	.0860	-.0748	.2049	.2736	.3150
109	LIP PROTRUS"N-WALL	.1933	.1918	.1895	.2169	.1188	-.0064	.0567	.0781	.0700	.1007	.0430	-.0740	.1649	.2090	.2325
110	MENTON TO WALL	.1355	.1355	.1453	.1453	.1033	-.0031	.0373	.0540	.0601	.1067	.0660	-.0470	.1167	.2421	.1967
111	SAGITTAL CURVATURE	.1647	.1724	.1962	.1960	.1913	.0808	.2904	.3413	.2148	.2510	.1441	-.0738	.1117	.1702	.2403
112	BITRAGION-CORONAL	.1963	.1707	.1648	.1963	.0271	.0909	.2147	.2325	.1544	.1748	.0974	.0151	.1561	.2124	.2207
113	BIOCULAR BREADTH	.1959	.1549	.1872	.1984	-.0325	.1069	.1137	.1156	.1084	.1909	.0792	.0257	.2150	.2085	.2207
114	BIAURICULAR BRDTH	.0989	.0878	.1140	.0997	.0538	.0243	.1366	.1620	.1231	.1577	.1108	.0221	.0494	.1785	.1302
115	BITRAGION BRDTH	.1808	.1517	.1784	.1735	.1750	.1252	.1928	.2036	.1096	.2129	.1600	.0507	.1492	.1968	.2446
116	BIZYGOMATIC BRDTH	.1921	.1453	.1774	.1717	-.0193	.1602	.1437	.1464	.1414	.1289	.1152	.1507	.1895	.1915	.2344
117	BIGONIAL BREADTH	.1496	.0932	.1198	.1125	-.0173	.1635	.1243	.1277	.1383	.1379	.1280	.0797	.1435	.1434	.1800
118	NASAL BREADTH	.0899	.0699	.0857	.1140	.0064	-.0350	-.0811	-.0660	-.0901	-.0681	-.0747	-.1270	.1158	.1374	.1366
119	LIP LENGTH	.0997	.0669	.0896	.1047	.0263	.0152	-.0034	-.0059	-.0052	-.0221	-.0222	-.0246	.1366	.1144	.1200
120	MENTON-SUBNASALE	.1636	.1236	.1793	.1660	.0058	.0362	.1448	.1554	.1383	.1323	.0594	-.0235	.1373	.1690	.2028
121	MENTON-SELLION LTH	.2019	.1576	.1793	.2047	.0295	.1177	.2378	.2484	.2404	.2024	.1052	.0528	.1847	.1800	.2113
122	SUBNASALE-SELLION	.1039	.0803	.1252	.1065	.0799	.0867	.1732	.1913	.1881	.1481	.0681	.0575	.0993	.0913	.1039
123	EAR LENGTH	.1200	.0675	.1167	.1103	.0748	.0550	.1499	.1677	.1301	.1537	.1113	.0152	.0962	.1670	.1847
124	EAR BREADTH	.1010	.0656	.1047	.0999	.0933	.0404	.0673	.0679	.0499	.0608	.0210	-.0464	.0831	.1268	.1428
125	GRIP STRENGTH	.2289	.2152	.2467	.2465	.1405	.0984	.2435	.2522	.2317	.2438	.1165	.0354	.2163	.2081	.2802
139	STATURE REPORTED	.8226	.7982	.7678	.8386	.3027	.4110	.7371	.7581	.7023	.6883	.3786	.1828	.7080	.6525	.7683
140	WEIGHT REPORTED	.4740	.3785	.4210	.4421	.1620	.2564	.4656	.4330	.4603	.5081	.3862	.1596	.3828	.5671	.6891

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 AGE	.0466	.0025	.0861	.0366	.0098	.1590	.2330	.2906	.2875	.2649	.2343	.2963	.2302	.2193	.1547
2 WEIGHT	.4412	.3759	.4326	.4221	.4849	.5820	.8350	.8032	.7992	.7902	.8244	.7939	.8917	.8855	.8404
3 TRICEPS SKINFOLD	.0680	.0232	.0843	.0680	-.0429	.3058	.5299	.5029	.5249	.4877	.5418	.5881	.6139	.6116	.6300
4 SUBSCAPULAR SKINFD	.1082	.0020	.0469	.0637	-.0035	.3544	.5815	.5534	.6278	.5720	.6461	.6279	.5792	.5288	.5226
5 SUPRAILIAC SKINFLD	-.1082	-.0379	.1053	-.0625	-.0744	.3093	.5398	.6090	.6005	.5384	.6409	.6086	.5782	.5431	.5658
6 MEDIAL CALF SKINFD	-.0022	-.0458	.0101	.0233	.0172	.1666	.2443	.2415	.2608	.2450	.2894	.3374	.3768	.3968	.4224
7 STATURE	.7247	.6659	.6462	.6115	.8520	.3187	.3336	.2917	.2566	.2881	.2786	.2451	.3549	.3601	.2660
8 STATURE, MAXIMUM	.7270	.6690	.6465	.6128	.8533	.3175	.3342	.2913	.2566	.2889	.2774	.2426	.3521	.3601	.2652
9 CERVICALE HEIGHT	.7337	.6881	.6618	.6177	.8555	.3160	.3543	.2918	.2631	.2927	.2926	.2457	.3530	.3652	.2738
10 ACROMIAL HEIGHT	.7518	.6771	.6568	.6158	.8579	.3157	.3503	.3161	.2913	.3275	.3130	.2667	.3698	.3745	.2829
11 SUPRASTERNALE HGHT	.7353	.6860	.6553	.6137	.8639	.3099	.3570	.3075	.2790	.3083	.2977	.2491	.3625	.3734	.2805
12 BUST POINT HEIGHT	.7067	.6721	.5269	.5979	.8337	.2705	.2715	.2301	.1826	.2532	.2155	.1700	.2851	.2890	.2097
13 WAIST HEIGHT	.7473	.6987	.6522	.6128	.8346	.2538	.3082	.2679	.2377	.2583	.2382	.2152	.3170	.3365	.2523
14 ABDOMINAL EXT HGT	.7479	.6948	.6379	.5936	.8258	.2230	.2230	.2412	.1801	.2022	.1924	.1109	.2533	.2659	.1989
15 TROCHANTERIC HGHT	.7506	.6917	.6494	.6235	.8301	.2456	.2947	.2403	.2117	.2478	.2549	.1852	.2857	.2899	.2193
16 BUTTOCK HEIGHT	.7384	.6873	.6369	.5781	.7861	.2488	.2952	.2546	.2378	.2615	.2743	.2142	.3058	.2839	.2347
17 GLUTEAL FURROW HGT	.7102	.6746	.5193	.5759	.7708	.1983	.2153	.1860	.1625	.1876	.1894	.1333	.2082	.1825	.1477
18 TIBIALE HEIGHT	.6426	.6990	.6079	.5504	.7336	.2599	.2643	.2223	.1975	.2197	.2036	.1613	.2442	.2510	.2035
19 CROTCH HEIGHT	.7492	.7164	.6556	.6088	.8126	.2282	.2643	.2165	.1898	.2218	.2206	.1468	.2357	.2456	.1916
20 ANKLE HEIGHT	.1787	.3812	.2748	.2724	.3319	.2659	.0954	.1350	.1042	.1103	.1202	.0769	.0759	.0951	.0348
21 LAT"L MALLEOLUS HT	.3212	.2123	.2477	.2184	.3129	.1294	.1517	.1271	.1276	.1353	.1163	.1010	.1523	.1338	.1225
22 SITTING HT,RELAXED	.4306	.3613	.3898	.3917	.5937	.3050	.2909	.2671	.2246	.2430	.2119	.2265	.3148	.3550	.2417
23 SITTING HEIGHT	.4489	.3785	.3932	.4192	.6154	.3256	.3120	.2817	.2386	.2628	.2359	.2463	.3448	.3825	.2686
24 EYE HEIGHT,SITTING	.4092	.3211	.3333	.3843	.5585	.2875	.3336	.2630	.2273	.2409	.2046	.2425	.3272	.3627	.2562
25 MIDSHOULDER HT,SIT	.4163	.3470	.3935	.3882	.5683	.3326	.3336	.3127	.2814	.3069	.2966	.2960	.3815	.4062	.3053
26 WAIST HGHT,SITTING	-.2539	-.1719	-.1638	-.2572	-.3107	.2447	.2844	.2886	.2588	.2382	.2009	.3105	.3305	.3792	.3088
27 ELBOW REST HEIGHT	-.1339	-.1232	-.0831	-.0117	-.0603	.0947	.0606	.0653	.0739	.1013	.0648	.1212	.1458	.1750	.1432
28 POPLITEAL HEIGHT	.6293	.6147	.5689	.4839	.6707	.2110	.2304	.1809	.1724	.1894	.1860	.1238	.2087	.2011	.1677
29 BUTTOCK-POPLIT"L L	.5977	.5583	.5149	.4885	.6707	.2593	.3909	.3450	.3450	.3530	.3888	.3491	.4791	.4775	.4232
30 BUTTOCK-KNEE LNGTH	.6820	.6331	.6037	.5805	.7393	.3499	.4825	.4388	.4258	.4374	.4736	.4250	.5772	.5829	.5130
31 ACROMION-RADIALE L	.6270														
32 RADIALE-STYLION L	.6270	.6167													
33 THUMB-TIP REACH	.6455	.6167	.6167												
34 THUMB-TIP,EXTENDED	.5850	.5761	.5938	.5938											
35 OVERHEAD REACH	.7232	.6878	.6360	.6918	.6918										
36 NECK CIRCUMFERENCE	.2298	.2955	.2778	.3117	.3103	.3103									
37 SHOULDER CIRCUMFER	.3376	.2387	.3124	.3055	.3254	.5254	.8787								
38 CHEST CIRC AT SCYE	.2932	.2034	.2853	.2806	.2807	.5048	.8101	.8787							
39 BUST CIRCUMFERENCE	.2595	.1819	.2579	.2406	.2423	.5307	.8101	.8885	.8320						
40 CHEST C BELOW BUST	.2836	.1914	.2845	.2647	.2783	.4963	.7995	.8208	.8320	.7919					
41 WAIST CIRCUMFERNCE	.2804	.2124	.2922	.2728	.2690	.5378	.7750	.7883	.7959	.7184	.8102				
42 ABDOMINAL EXT CIRC	.2200	.1523	.2292	.2093	.2044	.4466	.7028	.7149	.7366	.7059	.7999	.8278			
43 HIP C-7""BLW WAIST	.2960	.2540	.2837	.3003	.3141	.4978	.7437	.7233	.7220	.7059	.7224	.7637	.8278		
44 HIP C-9""BLW WAIST	.2853	.2488	.2837	.3044	.3212	.4728	.7171	.6864	.6744	.6612	.7637	.7637	.9389	.9389	
45 UPPER THIGH CIRCUM	.2142	.1779	.2194	.2386	.2229	.4166	.6844	.6411	.6415	.6237	.6830	.7159	.8653	.8937	

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 KNEE CIRCUMFERENCE	.2696	.2745	.3051	.3076	.3408	.4363	.6005	.5686	.5574	.5580	.6027	.6087	.7535	.7837	.7803
47 CALF CIRCUM, RIGHT	.2225	.1749	.2502	.2635	.2886	.3950	.5666	.5166	.4893	.5197	.5277	.5167	.6719	.6976	.7089
48 CALF CIRCUM, LEFT	.2238	.1764	.2545	.2760	.2929	.3888	.5579	.5036	.4772	.5144	.5185	.5164	.6706	.6947	.7020
49 ANKLE CIRCUMFERNCE	.2139	.2237	.2545	.2510	.3141	.3425	.4150	.3707	.3402	.3766	.3636	.3565	.4916	.5172	.4980
50 VERTICAL TRUNK CIR	.4085	.3483	.3885	.4249	.5310	.4845	.6056	.6354	.6232	.6017	.5997	.5974	.6962	.7171	.6187
51 VERTICAL TRK C,SIT	.4497	.3688	.4143	.4453	.5834	.4688	.5642	.5867	.5701	.5513	.5514	.5440	.6401	.6583	.5454
52 BUTTOCK CIRC, SIT	.3190	.2701	.3077	.3211	.3465	.5052	.7365	.7231	.7192	.7050	.7755	.8015	.9327	.9400	.8512
53 SCYE CIRCUMFERENCE	.3726	.3300	.3251	.3251	.3465	.5113	.7406	.7568	.7145	.6974	.7138	.6634	.6885	.6613	.6118
54 AXILLARY ARM CIRC	.1500	.1052	.1811	.1808	.1526	.4978	.8007	.8022	.7765	.6980	.7556	.7404	.7538	.7287	.7220
55 BICEPS C,RELAXED,R	.1095	.0769	.1619	.1590	.1333	.4632	.7577	.7460	.7295	.6946	.7143	.7280	.7635	.7483	.7529
56 BICEPS C,FLEXED, R	.1334	.1031	.1746	.1755	.1520	.4592	.7641	.7372	.7173	.7009	.7213	.7126	.7556	.7385	.7438
57 BICEPS C,RELAXED,L	.1139	.0940	.1658	.1732	.1397	.4903	.7642	.7501	.7275	.6933	.7143	.7417	.7706	.7575	.7570
58 BICEPS C,FLEXED, L	.1169	.1108	.1699	.1809	.1558	.4911	.7597	.7521	.7268	.6935	.7240	.7238	.7626	.7482	.7473
59 ELBOW CIRC, FLEXED	.3488	.3477	.3334	.3412	.4187	.3792	.5097	.5033	.4531	.4603	.4603	.3860	.4656	.4533	.4151
60 FOREARM C, RELAXED	.2560	.2219	.2758	.2892	.3108	.5224	.7489	.7114	.6601	.6635	.6832	.6182	.7097	.6911	.6750
61 FOREARM C, FLEXED	.2568	.2248	.2768	.2800	.3126	.4939	.7222	.6886	.6355	.6365	.6534	.5860	.6797	.6646	.6521
62 WRIST CIRCUMFERNCE	.3777	.3416	.3888	.3656	.4210	.4439	.5663	.5322	.4852	.5028	.5008	.4131	.5056	.4930	.4340
63 BIACROMIAL BREADTH	.3569	.3656	.3686	.3759	.4596	.3882	.5815	.4741	.3702	.3969	.3816	.3139	.3817	.3962	.3199
64 BIDELTOID BREADTH	.2801	.2188	.2885	.2814	.3062	.5282	.8904	.8278	.7579	.6935	.5832	.6269	.7252	.7102	.6738
65 CHEST BREADTH	.2684	.1929	.1918	.2802	.2766	.4521	.7588	.7657	.7345	.6269	.5689	.5152	.6340	.5918	.5456
66 BUST PT-BUST PT BR	.2430	.1604	.2012	.1884	.2102	.3401	.5595	.5812	.7197	.4521	.8864	.6995	.5099	.4728	.4637
67 WAIST BREADTH	.3021	.2381	.3422	.2811	.3102	.5083	.7191	.7154	.7064	.6975	.6004	.6653	.7213	.6679	.6220
68 HIP BREADTH	.2661	.2257	.2518	.3024	.3126	.3956	.6055	.5697	.5507	.6933	.6337	.6995	.8356	.8928	.7951
69 THIGH-THIGH BR,SIT	.1780	.1250	.1725	.2307	.2102	.3900	.6147	.5935	.6001	.7283	.3636	.7197	.8431	.8899	.8435
70 HUMERAL BREADTH, R	.3759	.3357	.3532	.3653	.4364	.3354	.4548	.4205	.3875	.4078	.3739	.3187	.4150	.4134	.3565
71 HUMERAL BREADTH, L	.3849	.3540	.3707	.3585	.4415	.3411	.4564	.4204	.3751	.4020	.3414	.3215	.4166	.4141	.3602
72 FEMORAL BREADTH, R	.2790	.2174	.2057	.2488	.2744	.2574	.3709	.3544	.3376	.3608	.3653	.3374	.3987	.4072	.3859
73 FEMORAL BREADTH, L	.2918	.2181	.2186	.2557	.2813	.2671	.3956	.3746	.3569	.3878	.3653	.3612	.4270	.4335	.4096
74 CHEST DEPTH	.2579	.1752	.2393	.2206	.2125	.4545	.7019	.7576	.8796	.7500	.7372	.6975	.6766	.6283	.6023
75 WAIST DEPTH	.2220	.1388	.2412	.1835	.1757	.4548	.6705	.6892	.7228	.5577	.7531	.7481	.6947	.6347	.5952
76 ABDOMINAL EXT DPTH	.2250	.1604	.2413	.2218	.1985	.4431	.6846	.6960	.7333	.7283	.8453	.8218	.7766	.7189	.6890
77 BUTTOCK DEPTH	.1979	.1766	.2427	.2573	.2340	.4455	.6706	.6495	.6600	.5415	.8137	.7061	.8202	.8086	.7955
78 THIGH CLEARANCE	.3722	.3439	.3011	.3424	.4010	.3850	.5674	.5051	.4892	.5746	.7067	.4890	.6212	.6356	.6687
79 SHOULDER LENGTH	.2490	.2820	.2821	.3125	.3622	.1359	.3156	.2258	.1470	.1660	.5106	.1360	.1803	.2146	.1653
80 NECK-BUST POINT L	.2228	.1506	.2082	.1941	.2186	.3320	.5146	.5497	.6420	.4838	.5374	.5252	.5035	.4986	.4454
81 STRAP LENGTH	.2534	.1851	.2426	.2270	.2638	.4525	.6127	.6297	.6996	.5557	.5158	.5804	.5761	.5580	.4970
82 INTERSCYE	.1591	.1190	.2225	.1588	.1728	.3680	.6620	.6210	.5744	.5484	.5291	.4799	.4821	.4480	.4048
83 INTERSCYE, MAXIMUM	.2691	.1370	.2781	.2791	.2967	.3940	.5731	.5647	.4984	.5042	.4844	.4638	.4778	.4713	.4183
84 BACK CURVATURE	.2691	.2254	.2254	.1954	.2118	.3892	.6486	.6330	.6250	.6517	.5949	.5462	.5549	.5159	.4713
85 WAIST BACK	.3289	.3052	.3383	.3159	.4681	.2094	.1716	.1225	.1138	.1617	.1813	.0942	.1860	.1889	.1147
86 ANTERIOR WAIST LTH	.2570	.2143	.2505	.2450	.3672	.2713	.3877	.3672	.3965	.3857	.3877	.3055	.3522	.3324	.2923
87 SLEEVE INSEAM	.7304	.7879	.6786	.6341	.7498	.2125	.1601	.0999	.0722	.1014	.1209	.0500	.1501	.1552	.0899
88 SPINE-TO-SCYE LGTH	.1784	.1497	.2429	.1749	.1970	.2587	.4897	.4750	.4217	.4113	.3662	.3362	.3523	.3353	.3074
89 SPINE-TO-ELBOW LTH	.7133	.5482	.5982	.5485	.6675	.3502	.5328	.4589	.3986	.4191	.3830	.3414	.4187	.4241	.3447
90 SPINE-TO-WRIST LTH	.7680	.7323	.6885	.6401	.7651	.3812	.4898	.4187	.3627	.3918	.3693	.3026	.4042	.4028	.3219

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
91	HAND LENGTH	.5720	.4622	.5233	.4553	.5664	.1674	.2889	.2228	.1906	.2232	.2160	.1432	.2301	.2183	.1622
92	HAND BREADTH	.3293	.3075	.3539	.3079	.3537	.2889	.3547	.3270	.2868	.3131	.2721	.2331	.2822	.2744	.2389
93	HAND CIRCUMFERENCE	.3085	.2978	.3450	.2840	.3376	.3513	.4243	.4213	.3670	.3791	.3684	.2638	.3535	.3416	.3145
94	FOOT LENGTH	.5776	.5887	.5915	.5534	.6602	.3240	.3427	.3050	.2770	.3038	.3197	.2301	.3484	.3505	.2671
95	FOOT BREADTH	.2763	.3132	.3266	.3155	.3711	.2650	.2873	.2572	.2055	.2431	.2592	.1970	.2949	.2970	.2552
96	HEAD LENGTH	.2678	.2193	.2197	.2445	.2762	.1795	.2078	.2078	.2037	.2044	.1491	.1247	.1990	.2138	.1892
97	HEAD BREADTH	.1092	.0928	.1370	.0849	.1147	.2779	.2518	.2405	.2555	.2623	.2672	.2631	.2490	.2379	.2277
98	HEAD CIRCUMFERENCE	.2724	.2949	.2732	.3095	.3283	.3349	.3314	.2825	.2732	.2733	.2813	.2223	.2970	.3103	.2715
99	TRAGION-TOP HEAD	.1492	.1818	.2150	.1820	.2316	.1795	.1530	.1502	.1415	.1443	.1416	.1125	.1495	.1544	.1230
100	ECTOCANTHUS-TOP HD	.1492	.2018	.1974	.1681	.2170	.1252	.1201	.1017	.0831	.0936	.0750	.0358	.0829	.1010	.0740
101	PRONASALE-TOP HEAD	.1606	.1865	.1892	.1503	.2063	.0865	.1104	.0867	.0631	.0762	.0335	.0153	.0633	.0853	.0587
102	SUBNASALE-TOP HEAD	.1870	.2319	.2226	.1965	.2645	.4587	.1405	.1125	.0834	.1013	.0667	.0354	.0937	.1137	.0719
103	STOMION-TOP HEAD	.1950	.2426	.2347	.1961	.2691	.1447	.1378	.1057	.0795	.0937	.0622	.0163	.0884	.1100	.0765
104	MENTON-TOP HEAD	.2493	.2863	.2921	.2501	.3290	.2367	.2062	.1663	.1342	.1542	.1343	.0740	.1619	.1755	.1358
105	TRAGION TO WALL	.1398	.2167	.1604	.2615	.2020	.1828	.1674	.1631	.1646	.1380	.1500	.0935	.1649	.1601	.1345
106	ECTOCANTHUS-WALL	.1935	.2521	.2350	.2625	.2782	.2643	.2390	.2274	.2129	.1966	.2062	.1460	.2259	.2270	.1891
107	PRONASALE TO WALL	.2358	.2801	.2702	.2781	.3053	.2622	.2840	.2767	.2637	.2440	.2352	.1776	.2661	.2638	.2309
108	SUBNASALE TO WALL	.2019	.2635	.2399	.2607	.2826	.2499	.2012	.2463	.2358	.2124	.2287	.1540	.2405	.2337	.2137
109	LIP PROTRUS"N-WALL	.1690	.2311	.2085	.2315	.2310	.2162	.2326	.2208	.2142	.1868	.2126	.1251	.2088	.1955	.1867
110	MENTON TO WALL	.1333	.1657	.1704	.1722	.1620	.2121	.2913	.2991	.2868	.2632	.2802	.2143	.2670	.2466	.2414
111	SAGITTAL CURVATURE	.1561	.2231	.1623	.2304	.2404	.3121	.1892	.1884	.1521	.1531	.1273	.1133	.1588	.1899	.1371
112	BITRAGION-CORONAL	.1852	.1788	.1802	.1874	.2131	.2292	.2350	.2070	.2126	.2035	.2242	.1813	.2143	.2122	.1941
113	BIOCULAR BREADTH	.1877	.1645	.1613	.1039	.4404	.4437	.1819	.1545	.1529	.1663	.1646	.1169	.1613	.1471	.1536
114	BIAURICULAR BRDTH	.1040	.0971	.1071	.1253	.1363	.0651	.2053	.1816	.1593	.1996	.1932	.1647	.1739	.1639	.1555
115	BITRAGION BREADTH	.2062	.1747	.2104	.1755	.2142	.3072	.3616	.3473	.3093	.3398	.3526	.3168	.3295	.3207	.2808
116	BIZYGOMATIC BRDTH	.1882	.1350	.1765	.0883	.2612	.2586	.3127	.2770	.2732	.2986	.3103	.2905	.2897	.2693	.2690
117	BIGONIAL BREADTH	.1444	.0647	.1340	.0718	.0937	.3167	.3270	.3056	.3060	.3252	.3029	.2886	.2790	.2572	.2865
118	NASAL BREADTH	.0797	.1745	.1378	.1225	.0946	.2169	.1087	.0829	.0671	.0526	.1008	-.0014	.0512	.0227	.0346
119	LIP LENGTH	.0991	.1049	.0907	.0380	.0624	.1304	.0846	.0533	.0632	.0600	.0501	-.0123	.0266	.0050	.0265
120	MENTON-SUBNASALE L	.1477	.1571	.1424	.1585	.1785	.1144	.1595	.1293	.1278	.1150	.1389	.0869	.1436	.1413	.1288
121	MENTON-SELLION LTH	.2053	.1933	.2170	.2164	.2447	.2062	.2166	.1821	.1759	.1844	.1736	.1294	.1807	.1804	.1423
122	SUBNASALE-SELLION	.1309	.1243	.1575	.1514	.1447	.1626	.1339	.1349	.1260	.1452	.1097	.0875	.1168	.1184	.0742
123	EAR LENGTH	.1688	.1567	.1484	.1552	.1589	.1849	.2476	.2770	.2655	.2508	.2488	.2342	.2420	.2292	.1800
124	EAR BREADTH	.1036	.1370	.1139	.1110	.1300	.0516	.1270	.1255	.1105	.1044	.1063	.0717	.1060	.1014	.0794
125	GRIP STRENGTH	.2445	.2295	.2479	.2635	.2923	.2586	.3804	.3415	.2807	.2939	.2584	.1963	.2567	.2567	.2392
139	STATURE REPORTED	.7187	.6481	.6438	.6122	.8412	.3273	.3562	.3083	.2800	.3134	.3022	.2595	.3646	.3765	.2816
140	WEIGHT REPORTED	.4521	.3853	.4338	.4199	.4882	.5636	.6057	.7754	.7722	.7667	.7924	.7667	.8587	.8537	.8010

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1	AGE	.1451	.0474	-.0609	-.0234	.2723	.2354	.2765	.2618	.2379	.2879	.2928	.2985	.3068	.1313	.1944
2	WEIGHT	.8194	.7524	.7473	.5913	.7872	.7370	.9040	.7763	.7934	.8026	.8054	.8063	.8047	.5722	.8077
3	TRICEPS SKINFOLD	.5541	.4877	.4810	.3196	.4110	.3541	.5975	.4951	.6673	.7174	.6919	.7093	.6855	.3007	.5595
4	SUBSCAPULAR SKINFD	.4102	.3428	.3331	.1758	.3746	.3231	.5490	.5326	.6815	.6318	.6058	.6339	.6085	.2802	.4838
5	SUPRAILIAC SKINFLD	.4439	.3748	.3602	.2255	.3568	.3267	.5508	.4872	.6372	.5852	.5650	.5823	.5643	.2985	.4794
6	MEDIAL CALF SKINFD	.4543	.4347	.4297	.3184	.2418	.1937	.3781	.2411	.3496	.4253	.4024	.4281	.4135	.1817	.3363
7	STATURE	.3865	.2955	.2995	.3541	.6186	.6787	.3804	.3646	.1642	.1410	.1627	.1361	.1556	.1555	.3087
8	STATURE, MAXIMUM	.3863	.2944	.2978	.3538	.6189	.6807	.3807	.3652	.1645	.1405	.1622	.1346	.1544	.1556	.3083
9	CERVICALE HEIGHT	.3905	.2897	.2918	.3481	.6120	.6744	.3881	.3735	.1739	.1493	.1700	.1440	.1652	.4109	.3155
10	ACROMIAL HEIGHT	.3932	.2919	.2953	.3434	.6381	.6381	.4043	.4077	.1839	.1674	.1893	.1652	.1828	.4161	.3334
11	SUPRASTERNALE HGHT	.4021	.3011	.3041	.3546	.6715	.6715	.3985	.3061	.1905	.1699	.1928	.1643	.1838	.4251	.3377
12	BUST POINT HEIGHT	.3297	.2444	.2478	.3097	.6013	.6013	.3095	.3061	.1067	.0859	.1040	.0889	.1050	.4301	.2627
13	WAIST HEIGHT	.3526	.2455	.2493	.2866	.5013	.5608	.3606	.3417	.1459	.1198	.1389	.1221	.1390	.3833	.2751
14	ABDOMINAL EXT HGT	.3011	.2147	.2170	.2636	.4254	.4900	.2817	.2853	.0829	.0596	.0870	.0581	.0809	.3704	.2355
15	TROCHANTERIC HGHT	.3181	.2451	.2496	.2578	.4369	.4805	.3221	.3193	.1143	.1076	.1269	.1077	.1222	.3890	.2670
16	BUTTOCK HEIGHT	.3304	.2212	.2219	.2482	.3949	.4567	.3221	.3236	.1454	.1163	.1420	.1155	.1356	.3753	.2619
17	GLUTEAL FURROW HGT	.2349	.1564	.1619	.1982	.3871	.3871	.2092	.2534	.0602	.0343	.0543	.0343	.0539	.3314	.1913
18	TIBIALE HEIGHT	.2916	.2001	.1964	.2812	.3638	.4165	.2691	.2790	.1058	.0703	.0918	.0744	.0967	.3467	.2330
19	CROTCH HEIGHT	.2984	.2030	.2058	.2442	.3647	.4200	.2742	.2884	.0964	.0738	.0960	.0734	.0915	.3662	.2378
20	ANKLE HEIGHT	.1102	.0106	.0005	.0963	.1860	.2041	.1073	.1602	.0925	.0340	.0362	.0462	.0579	.1611	.1026
21	LAT"L MALLEOLUS HT	.2249	.1778	.1962	.2109	.2411	.2748	.1417	.1664	.1024	.0831	.0984	.0743	.0921	.3073	.1713
22	SITTING HT,RELAXED	.3396	.2856	.2862	.3480	.6777	.7413	.3611	.3173	.1827	.1554	.1670	.1551	.1551	.2962	.2716
23	SITTING HEIGHT	.3656	.3118	.3127	.3770	.7063	.7698	.3849	.3382	.2005	.1749	.1861	.1644	.1764	.3291	.2979
24	EYE HEIGHT,SITTING	.3432	.2853	.2890	.3437	.6713	.7307	.3672	.3198	.1910	.1620	.1738	.1499	.1633	.2962	.2637
25	MIDSHOULDER HT,SIT	.3732	.2999	.3019	.3639	.7511	.8176	.4150	.3933	.2412	.2199	.2309	.2159	.2248	.3262	.3272
26	WAIST HGHT,SITTING	.2964	.2202	.2251	.2400	.4899	.5337	.3811	.3249	.2754	.2351	.2306	.2356	.2268	.2177	.2413
27	ELBOW REST HEIGHT	.1564	.1082	.1049	.1663	.4288	.4804	.1631	.1156	.0761	.0885	.0905	.0739	.0759	.0615	.0860
28	POPLITEAL HEIGHT	.2460	.1931	.1962	.2244	.2969	.3508	.2262	.2405	.0794	.0582	.0843	.0507	.0750	.3237	.2206
29	BUTTOCK-POPLIT"L L	.4379	.3065	.3095	.2512	.4415	.4347	.4841	.3896	.2975	.2941	.3100	.2981	.3084	.3568	.3481
30	BUTTOCK-KNEE LNGTH	.5554	.4466	.4460	.3835	.5580	.5556	.5930	.4838	.3753	.3821	.3982	.3803	.3927	.4599	.4688
31	ACROMION-RADIALE L	.2696	.2225	.2238	.2139	.4085	.4497	.3190	.3726	.1500	.1095	.1334	.1139	.1269	.3488	.2560
32	RADIALE-STYLION L	.2745	.1749	.1764	.2237	.3483	.3688	.2701	.2767	.1052	.0769	.1031	.0940	.1108	.3477	.2219
33	THUMB-TIP REACH	.3051	.2502	.2461	.2545	.3885	.4143	.3077	.3300	.1811	.1619	.1746	.1658	.1699	.3334	.2758
34	THUMB-TIP,EXTENDED	.3076	.2635	.2760	.2510	.4249	.4453	.3211	.3251	.1808	.1590	.1755	.1732	.1809	.3412	.2892
35	OVERHEAD REACH	.3408	.2886	.2929	.3141	.5310	.5834	.3465	.3465	.1526	.1333	.1520	.1397	.1558	.4187	.3108
36	NECK CIRCUMFERENCE	.4363	.3950	.3888	.3425	.6017	.4688	.5052	.5113	.4978	.4692	.4692	.4903	.4911	.5097	.5224
37	SHOULDER CIRCUMFER	.6005	.5666	.5579	.4150	.6056	.5642	.7365	.7406	.8007	.7577	.7641	.7642	.7597	.5033	.7489
38	CHEST CIRC AT SCYE	.5686	.5165	.5036	.3707	.6354	.5867	.7231	.7568	.8022	.7460	.7372	.7501	.7521	.4531	.7114
39	BUST CIRCUMFERENCE	.5574	.4893	.4772	.3402	.6232	.5701	.7192	.7145	.7765	.7295	.7173	.7275	.7268	.4523	.6601
40	CHEST C BELOW BUST	.5580	.5197	.5144	.3841	.6017	.5513	.7050	.6974	.7083	.6980	.6946	.7009	.6933	.4603	.6635
41	WAIST CIRCUMFERNCE	.6027	.5185	.5164	.3766	.5997	.5446	.7755	.7138	.7404	.7213	.7143	.7338	.7240	.3860	.6832
42	ABDOMINAL EXT CIRC	.6087	.5167	.5184	.3565	.5974	.5440	.8015	.7555	.7556	.7143	.7556	.7417	.7638	.4656	.6182
43	HIP C-7""BLW WAIST	.7535	.6719	.6706	.4916	.6962	.6401	.9327	.6634	.7404	.7635	.7417	.7706	.7626	.4533	.7097
44	HIP C-9""BLW WAIST	.7837	.6976	.6947	.5172	.7171	.6583	.9400	.6885	.7287	.7483	.7385	.7575	.7482	.4151	.6911
45	UPPER THIGH CIRCUM	.7803	.7089	.7020	.4980	.6187	.5454	.8512	.6118	.7220	.7529	.7438	.7570	.7473	.4150	.6750

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
46 KNEE CIRCUMFERENCE		.7922	.7783	.6583	.6324	.5714	.7712	.5708	.6211	.6871	.6872	.6915	.6939	.4849	.7207
47 CALF CIRCUM, RIGHT	.7922		.9619	.7459	.5493	.4864	.6708	.5076	.5663	.6431	.6427	.6488	.6465	.4066	.6872
48 CALF CIRCUM, LEFT	.7783	.9619		.7357	.5437	.4812	.6670	.4990	.5545	.6383	.6391	.6428	.6430	.4085	.6771
49 ANKLE CIRCUMFERNCE	.6583	.7459	.7357		.4772	.4539	.4910	.3949	.3781	.4468	.4522	.4400	.4500	.3954	.5818
50 VERTICAL TRUNK CIR	.6324	.5493	.5437	.4772		.9298	.7374	.6541	.5930	.5786	.5693	.5768	.5829	.4809	.5914
51 VERTICAL TRK C,SIT	.5714	.4864	.4812	.4539	.9298		.6805	.6100	.5219	.4952	.4912	.4912	.4977	.4595	.5317
52 BUTTOCK CIRC, SIT	.7712	.6708	.6670	.4910	.7374	.6805		.6933	.7389	.7530	.7462	.7197	.7234	.5367	.7012
53 SCYE CIRCUMFERENCE	.5708	.5076	.4990	.3949	.6541	.6100	.6933		.8082	.7392	.7345	.7234	.7197	.5367	.7264
54 AXILLARY ARM CIRC	.6211	.5663	.5545	.3781	.5930	.5219	.7389	.8082		.8908	.8908	.8717	.8648	.4772	.7631
55 BICEPS C,RELAXED,R	.6871	.6431	.6383	.4468	.5786	.4952	.7530	.7392	.8908		.9698	.9521	.9431	.5151	.8201
56 BICEPS C,RELAXED,L	.6872	.6427	.6391	.4522	.5693	.4912	.7462	.7345	.8908	.9698		.9465	.9465	.5529	.8337
57 BICEPS C,FLEXED,R	.6915	.6488	.6428	.4400	.5768	.4912	.7197	.7234	.8717	.9521	.9465		.9698	.4936	.8021
58 BICEPS C,FLEXED,L	.6939	.6465	.6430	.4500	.5829	.4977	.7234	.7197	.8648	.9431	.9465	.9698		.5383	.7990
59 ELBOW CIRC, FLEXED	.4849	.4066	.4085	.3954	.4809	.4595	.5367	.5367	.4772	.5151	.5529	.4936	.5383		.6428
60 FOREARM C, RELAXED	.7207	.6872	.6771	.5818	.5768	.4912	.7264	.7234	.8688	.8201	.8337	.7990	.8021	.6428	
61 FOREARM C, FLEXED	.6922	.6672	.6607	.5616	.5914	.5139	.7012	.7033	.8648	.8201	.8337	.7687	.7838	.7539	.9301
62 WRIST CIRCUMFERNCE	.5760	.5325	.5232	.5986	.5692	.5240	.7604	.5801	.4994	.5060	.5319	.4800	.4967	.5595	.5976
63 BIACROMIAL BREADTH	.3573	.3482	.3496	.3356	.5321	.4165	.4796	.3695	.3509	.3034	.3148	.3190	.3350	.3608	.4148
64 BIDELTOID BREADTH	.5974	.5530	.5414	.4113	.5912	.5461	.7169	.7082	.7836	.7358	.7367	.7516	.7457	.4776	.7122
65 CHEST BREADTH	.4857	.4529	.4478	.3361	.5912	.5477	.5912	.5099	.6275	.6091	.6088	.6138	.6102	.4011	.5976
66 BUST PT-BUST PT BR	.4035	.3614	.3579	.2570	.5477	.3908	.5155	.4917	.5287	.5014	.5042	.5031	.5027	.3395	.6376
67 WAIST BREADTH	.5675	.5029	.4909	.3774	.4256	.5342	.7077	.6586	.6676	.6408	.6335	.6452	.6436	.4390	.4390
68 HIP BREADTH	.6986	.6285	.6240	.4700	.5662	.5943	.8439	.5494	.6065	.6372	.6225	.6473	.6375	.3799	.3799
69 THIGH-THIGH BR,SIT	.7245	.6395	.6395	.4376	.6297	.5758	.8726	.5657	.6590	.7027	.6835	.7132	.7005	.3462	.5767
70 HUMERAL BREADTH, R	.4727	.4238	.4137	.4555	.6279	.4944	.4210	.4646	.3708	.3940	.4189	.3753	.4009	.4815	.5895
71 HUMERAL BREADTH, L	.4815	.4271	.4207	.4607	.4809	.4946	.4194	.4745	.3323	.4057	.4345	.3964	.4238	.5011	.5803
72 FEMORAL BREADTH, R	.5238	.4236	.4045	.4098	.4846	.3827	.4138	.3716	.3504	.3580	.3694	.3410	.3592	.3425	.4335
73 FEMORAL BREADTH, L	.5466	.4506	.4360	.4262	.3838	.4011	.4404	.3971	.3504	.3808	.3935	.3675	.3843	.3559	.4607
74 CHEST DEPTH	.5237	.4470	.4402	.3003	.4040	.5102	.6709	.6471	.7024	.6777	.6725	.6741	.6626	.3875	.5950
75 WAIST DEPTH	.5390	.4455	.4394	.2971	.5413	.4821	.7118	.6339	.6816	.6609	.6532	.6639	.6536	.3885	.5932
76 ABDOMINAL EXT DPTH	.6079	.5191	.5124	.3337	.5763	.5059	.7823	.6468	.7173	.7164	.7014	.7213	.7065	.3755	.6164
77 BUTTOCK DEPTH	.6887	.6241	.6193	.4365	.6264	.5464	.8142	.6266	.7061	.7121	.7053	.7178	.7033	.4159	.6507
78 THIGH CLEARANCE	.6430	.5990	.5866	.4693	.5153	.4704	.6180	.5250	.5318	.5448	.5613	.5366	.5400	.4331	.5752
79 SHOULDER LENGTH	.1971	.2109	.2100	.2237	.2341	.2472	.1969	.1375	.1409	.1105	.1088	.1107	.1188	.2037	.1972
80 NECK-BUST POINT L	.4040	.3367	.3327	.2569	.4250	.4548	.5932	.5679	.5024	.4749	.4773	.4616	.4704	.2901	.4227
81 STRAP LENGTH	.4636	.3983	.3966	.2968	.5491	.5193	.5932	.5679	.5758	.5477	.5533	.5469	.5510	.3588	.5122
82 INTERSCYE	.3675	.3409	.3368	.2529	.3760	.3636	.4727	.4459	.4793	.4573	.4554	.4595	.4607	.3006	.4563
83 INTERSCYE, MAXIMUM	.4029	.3441	.3398	.3042	.4250	.4351	.4890	.4896	.4559	.4189	.4330	.4197	.4273	.3237	.4544
84 BACK CURVATURE	.4314	.4152	.4080	.2857	.4464	.5326	.5386	.5282	.5269	.5083	.5134	.5122	.5011	.3167	.5057
85 WAIST BACK	.2308	.2158	.2186	.2837	.4688	.5330	.1883	.1860	.0657	.0734	.0896	.0616	.0739	.2517	.2080
86 ANTERIOR WAIST LTH	.3396	.2993	.2929	.2974	.5569	.3050	.3485	.3636	.3319	.3092	.3188	.2972	.3067	.3079	.3488
87 SLEEVE INSEAM	.1955	.1393	.1396	.1981	.2567	.3290	.1586	.1508	-.0189	-.0550	-.0286	-.0274	-.0217	.2748	.1314
88 SPINE-TO-SCYE LGTH	.3094	.2666	.2591	.2307	.3209	.5060	.3636	.3675	.3519	.3325	.3359	.3220	.3336	.2634	.3723
89 SPINE-TO-ELBOW LTH	.3976	.3609	.3578	.3305	.4744	.5083	.4432	.4445	.3157	.2768	.2949	.2861	.2894	.3809	.4151
90 SPINE-TO-WRIST LTH	.3967	.3368	.3354	.3351	.4753	.5083	.4256	.4410	.2739	.2368	.2610	.2490	.2580	.4291	.4100

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		46	47	49	50	51	52	53	54	55	56	57	58	59	60
91	HAND LENGTH	.2620	.2331	.2755	.3317	.3671	.2430	.2912	.1053	.1127	.1549	.1899	.1159	.3698	.3073
92	HAND BREADTH	.3246	.3211	.3739	.3336	.3367	.2909	.3776	.2596	.2713	.3073	.2452	.2724	.3620	.4347
93	HAND CIRCUMFERENCE	.4131	.3917	.4477	.4157	.4600	.3586	.4937	.3909	.3904	.4240	.3472	.3848	.4803	.5658
94	FOOT LENGTH	.4035	.3565	.4335	.4574	.4903	.3750	.3656	.1901	.1827	.2082	.1847	.2290	.4138	.3795
95	FOOT BREADTH	.3550	.3781	.4122	.3224	.3153	.3054	.2958	.2034	.2119	.2321	.2166	.2290	.3272	.3620
96	HEAD LENGTH	.2104	.2091	.1994	.2495	.2431	.2196	.1913	.1431	.1642	.1794	.1573	.1680	.2383	.2410
97	HEAD BREADTH	.2384	.2053	.1702	.1995	.1872	.2445	.2179	.2268	.2181	.2131	.2154	.2132	.1317	.2375
98	HEAD CIRCUMFERENCE	.3217	.2902	.2704	.3223	.2965	.2146	.2573	.2266	.2326	.2455	.2413	.2413	.2600	.3272
99	TRAGION-TOP HEAD	.1817	.1641	.1505	.1956	.1861	.1024	.1534	.1007	.1226	.1193	.1119	.1076	.1643	.1603
100	ECTOCANTHUS-TOP HD	.1599	.1368	.1336	.1602	.1434	.1021	.1105	.0469	.0758	.0636	.0719	.0721	.1676	.1326
101	PRONASALE-TOP HEAD	.1276	.1002	.1273	.1492	.1429	.0329	.0355	.0295	.0565	.0683	.0576	.0585	.1493	.1176
102	SUBNASALE-TOP HEAD	.1556	.1332	.1631	.1923	.1840	.1112	.1175	.0529	.0699	.0795	.0752	.0726	.1696	.1464
103	STOMION-TOP HEAD	.1643	.1371	.1690	.1801	.1720	.1107	.1171	.0422	.0621	.0751	.0639	.0649	.1303	.1523
104	MENTON-TOP HEAD	.2218	.2017	.2212	.2522	.2411	.1611	.1610	.0983	.1154	.1307	.1363	.1183	.2369	.2271
105	TRAGION TO WALL	.1600	.1261	.1135	.1918	.1726	.1617	.1708	.1419	.1300	.1322	.1363	.1390	.1505	.1732
106	ECTOCANTHUS-WALL	.2179	.1953	.1774	.2618	.2346	.2330	.2252	.1889	.1914	.1943	.1960	.1906	.2171	.2591
107	PRONASALE TO WALL	.2642	.2436	.2399	.3059	.2781	.2753	.2586	.2128	.2252	.2305	.2216	.2277	.2647	.3009
108	SUBNASALE TO WALL	.2365	.2145	.2053	.2477	.2431	.2432	.2303	.1969	.2010	.2054	.1969	.2028	.2356	.2760
109	LIP PROTRUS"N-WALL	.1994	.1803	.1590	.1923	.1661	.2082	.2030	.1762	.1775	.1832	.1705	.1789	.2099	.2411
110	MENTON TO WALL	.2225	.1961	.1603	.2144	.1856	.2027	.2591	.2550	.2507	.2425	.2453	.2490	.2170	.2855
111	SAGITTAL CURVATURE	.1824	.1557	.1701	.2765	.2668	.1904	.1771	.1336	.1283	.1325	.1333	.132b	.1780	.1893
112	BITRAGION-CORONAL	.2309	.1905	.1793	.2152	.2128	.2252	.1987	.1705	.1876	.1971	.1907	.1650	.1787	.2402
113	BIOCULAR BREADTH	.1992	.1516	.1642	.1047	.1108	.1035	.1438	.1082	.1446	.1606	.1223	.1398	.1938	.2121
114	BIAURICULAR BRDTH	.1577	.1626	.1538	.1950	.1854	.1889	.1650	.1428	.1546	.1512	.1537	.1415	.1210	.1925
115	BITRAGION BREADTH	.3329	.2856	.2669	.3006	.2857	.3316	.3119	.2951	.3015	.3083	.3011	.3008	.2396	.3601
116	BIZYGOMATIC BRDTH	.3104	.2454	.2355	.1991	.1961	.2753	.2583	.2595	.2554	.2702	.2517	.2561	.2297	.3147
117	BIGONIAL BREADTH	.2887	.2414	.2071	.2110	.1922	.2836	.2627	.2854	.2644	.2994	.2700	.2797	.1967	.3224
118	NASAL BREADTH	.0734	.0435	.0593	.0009	-.0311	.0484	.0755	.0544	.0487	.0733	.0488	.0661	.1377	.1074
119	LIP LENGTH	.0389	.0254	.0413	-.0083	-.0155	.0383	.0439	.0175	.0143	.0352	-.0026	.0187	.0737	.0657
120	MENTON-SUBNASALE L	.1640	.1480	.1410	.1687	.1520	.1561	.1520	.1001	.1207	.1372	.1148	.1206	.1716	.1841
121	MENTON-SELLION LTH	.1960	.1555	.1653	.2420	.2344	.2034	.1825	.1350	.1382	.1648	.1431	.1582	.2118	.2190
122	SUBNASALE-SELLION	.1374	.0844	.1020	.1866	.1821	.1311	.1040	.0841	.0945	.1080	.0988	.1071	.1172	.1416
123	EAR LENGTH	.2086	.1659	.1715	.2607	.2399	.2504	.2491	.2301	.2465	.2493	.2516	.2586	.2136	.2287
124	EAR BREADTH	.1236	.0956	.0914	.1243	.1144	.1152	.1116	.0886	.1011	.1104	.1029	.1071	.1286	.1239
125	GRIP STRENGTH	.2591	.2665	.2932	.2905	.2930	.2626	.3578	.2794	.2841	.3214	.2684	.2964	.3510	.4244
139	STATURE REPORTED	.3994	.3165	.3643	.6113	.6607	.3936	.3847	.1972	.1721	.1942	.1066	.1870	.4163	.3286
140	WEIGHT REPORTED	.7925	.7130	.6680	.7781	.7336	.8712	.7512	.7576	.7639	.7704	.7690	.7684	.5512	.7720

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	51	62	63	64	65	56	57	68	69	70	71	72	73	74	75
1 AGE	.1752	.1017	.1485	.2266	.2315	.1580	.1461	.1944	.2729	.1371	.1050	.1151	.1362	.2919	.2892
2 WEIGHT	.7793	.6456	.4951	.7980	.7008	.5860	.7676	.7704	.7830	.5382	.5439	.4869	.5147	.7440	.7364
3 TRICEPS SKINFOLD	.5373	.3080	.1491	.5292	.4719	.3570	.5353	.5297	.5906	.2022	.2140	.2818	.2990	.5110	.4984
4 SUBSCAPULAR SKINFD	.4658	.2730	.1558	.5563	.4234	.4401	.5728	.4439	.4800	.1184	.1146	.2059	.2199	.6114	.6085
5 SUPRAILIAC SKINFLD	.4724	.3119	.1404	.5298	.1856	.1582	.2631	.3642	.4139	.1974	.1983	.2391	.2498	.5773	.5661
6 MEDIAL CALF SKINFD	.3222	.1794	.0306	.2543	.2783	.2108	.3288	.3483	.2395	.0984	.1130	.1852	.1961	.2572	.2742
7 STATURE	.3071	.4532	.4563	.3016	.2800	.2098	.3308	.3490	.2409	.4862	.4913	.3381	.3458	.2268	.1924
8 STATURE, MAXIMUM	.3069	.4547	.4561	.3008	.2764	.2153	.3425	.3480	.2466	.4883	.4937	.3423	.3498	.2287	.1919
9 CERVICALE HEIGHT	.3147	.4502	.4518	.3038	.3136	.2353	.3592	.3501	.2466	.4831	.4926	.3442	.3517	.2453	.2101
10 ACROMIAL HEIGHT	.3267	.4517	.4174	.3224	.2915	.2387	.3440	.3498	.2559	.4837	.4934	.3434	.3556	.2639	.2298
11 SUPRASTERNALE HGHT	.3351	.4625	.4542	.3179	.2318	.1540	.2659	.2758	.2474	.4958	.5006	.3488	.3556	.2552	.2180
12 BUST POINT HEIGHT	.2617	.3954	.4125	.2409	.2416	.2106	.2927	.3182	.1700	.4380	.4453	.2906	.2958	.1634	.1357
13 WAIST HEIGHT	.2718	.3976	.4090	.2733	.1959	.1956	.2949	.2528	.2116	.4417	.4461	.3083	.3161	.2353	.1810
14 ABDOMINAL EXT HGT	.2425	.3667	.3862	.2194	.2278	.1790	.2560	.2757	.1752	.4281	.4336	.2870	.2937	.1740	.1092
15 TROCHANTERIC HGHT	.2635	.3662	.4010	.2517	.2313	.2127	.2949	.2515	.1684	.3963	.4053	.2573	.2691	.2132	.1886
16 BUTTOCK HEIGHT	.2554	.3714	.3630	.2638	.1656	.1504	.2412	.1752	.0697	.3853	.4015	.2874	.2969	.2354	.2056
17 GLUTEAL FURROW HGT	.1968	.2980	.3406	.1818	.1938	.1763	.2549	.2372	.1336	.3447	.3568	.2268	.2325	.1568	.1113
18 TIBIALE HEIGHT	.2423	.3486	.3615	.2386	.2085	.1938	.2773	.2248	.1295	.3848	.3891	.2925	.2956	.1842	.1302
19 CROTCH HEIGHT	.2409	.3581	.3800	.2232	.0746	.1808	.2489	.0913	.0405	.3919	.4032	.2787	.2889	.1013	.1444
20 ANKLE HEIGHT	.1033	.1818	.1880	.1356	.1049	.0453	.1446	.1023	.0701	.1537	.1700	.1100	.0974	.1023	.0836
21 LAT"L MALLEOLUS HT	.1684	.2648	.1613	.1244	.2478	.1191	.1223	.3545	.2826	.3035	.2947	.2622	.2659	.1296	.0895
22 SITTING HT,RELAXED	.2656	.4009	.3744	.2702	.2745	.1520	.2595	.3792	.3086	.4159	.4143	.2976	.3022	.1776	.1573
23 SITTING HEIGHT	.2909	.4271	.3844	.2888	.2944	.1597	.2774	.3706	.3028	.4401	.4371	.3133	.3197	.1942	.1741
24 EYE HEIGHT, SITTING	.2597	.3984	.3386	.2657	.2725	.1605	.2338	.3856	.3404	.4184	.4059	.3296	.3334	.1898	.1530
25 MIDSHOULDER HT,SIT	.3096	.4066	.3230	.3153	.1069	.1666	.3381	.3592	.3531	.3989	.4136	.2679	.2812	.2386	.2487
26 WAIST HGHT,SITTING	.2306	.2649	.1982	.2755	.1548	.0075	.1577	.1865	.2034	.2755	.2581	.2400	.2432	.2499	.2262
27 ELBOW REST HEIGHT	.0827	.1224	-.0830	.0645	.3202	.1580	.0799	.1806	.0851	.1444	.1429	.1385	.1418	.0599	.0669
28 POPLITEAL HEIGHT	.2233	.3533	.3259	.2062	.3949	.2777	.2489	.4260	.3550	.3567	.3625	.2394	.2501	.1648	.1268
29 BUTTOCK-POPLIT"L L	.3405	.3391	.3441	.3687	.2684	.3379	.3756	.5266	.4505	.3586	.3680	.2879	.2975	.3436	.3310
30 BUTTOCK-KNEE LNGTH	.4607	.4601	.4233	.4602	.1929	.2430	.4686	.2661	.1780	.4512	.4599	.3573	.3715	.4172	.3965
31 ACROMION-RADIALE L	.2568	.3777	.3569	.2801	.1918	.2012	.3021	.2257	.1260	.3759	.3849	.2790	.2918	.2579	.2220
32 RADIALE-STYLION L	.2248	.3416	.3656	.2188	.2802	.1604	.2381	.2518	.1725	.3357	.3540	.2174	.2181	.1752	.1388
33 THUMB-TIP REACH	.2768	.3888	.3685	.2885	.2766	.1884	.3422	.3024	.2307	.3532	.3707	.2057	.2186	.2393	.2412
34 THUMB-TIP,EXTENDED	.2800	.3656	.3759	.2814	.2802	.2102	.2811	.3126	.2307	.3653	.3585	.2488	.2557	.2206	.1835
35 OVERHEAD REACH	.3126	.4210	.4596	.3062	.2766	.3401	.3102	.3956	.2307	.4364	.4415	.2744	.2557	.2125	.1757
36 NECK CIRCUMFERENCE	.4939	.4439	.3882	.5282	.4621	.5595	.5083	.6055	.2102	.3354	.3411	.2574	.2671	.4545	.4548
37 SHOULDER CIRCUMFER	.7222	.5663	.5815	.8904	.7657	.5812	.7191	.5607	.3900	.4548	.4564	.3709	.3956	.7019	.6705
38 CHEST CIRC AT SCYE	.6886	.5322	.4741	.8278	.7688	.7197	.7154	.5415	.6147	.4205	.4204	.3544	.3746	.7576	.6892
39 BUST CIRCUMFERENCE	.6355	.4852	.3702	.7579	.7345	.5577	.7064	.6004	.5935	.3875	.3751	.3376	.3569	.8796	.7048
40 CHEST C BELOW BUST	.6365	.5028	.3969	.7415	.7500	.5689	.7283	.6653	.5746	.4078	.4020	.3608	.3878	.7531	.7048
41 WAIST CIRCUMFERNCE	.6534	.5008	.3816	.7386	.6832	.5152	.6995	.8356	.6337	.3636	.3739	.3414	.3653	.7372	.8453
42 ABDOMINAL EXT CIRC	.5860	.4131	.3139	.7252	.6269	.5099	.6579	.8928	.7197	.3187	.3215	.3374	.3612	.6975	.7481
43 HIP C-7""BLW WAIST	.6797	.5056	.3817	.7102	.6340	.4728	.8864	.7951	.8431	.4150	.4166	.3987	.4270	.6766	.6947
44 HIP C-9""BLW WAIST	.6646	.4930	.3962	.6738	.5918	.4637	.6579	.8928	.8899	.4134	.4141	.4072	.4335	.6283	.6347
45 UPPER THIGH CIRCUM	.6521	.4340	.3199	.6738	.5456	.4637	.6220	.7951	.8435	.3565	.3602	.3859	.4096	.6023	.5952

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN—1958

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
46 KNEE CIRCUMFERENCE	.6922	.5760	.3573	.5974	.4857	.4035	.5675	.6986	.7245	.4727	.4815	.5238	.5456	.5237	.5390
47 CALF CIRCUM, RIGHT	.6672	.5325	.3482	.5530	.4529	.3614	.5029	.6285	.6395	.4238	.4271	.4236	.4506	.4470	.4455
48 CALF CIRCUM, LEFT	.6607	.5232	.3496	.5414	.4478	.3579	.4309	.6240	.6395	.4137	.4207	.4045	.4360	.4402	.4394
49 ANKLE CIRCUMFERNCE	.5616	.5986	.3356	.4113	.3361	.2570	.3774	.4700	.4376	.4555	.4846	.4098	.4262	.3003	.2971
50 VERTICAL TRUNK CIR	.5692	.5321	.4173	.5912	.5477	.3908	.5342	.6297	.6279	.4944	.4946	.3827	.4040	.5576	.5413
51 VERTICAL TRK C, SIT	.5139	.5240	.4165	.5461	.5099	.3908	.5342	.5943	.5758	.4194	.4210	.4138	.4404	.5102	.4821
52 BUTTOCK CIRC, SIT	.6760	.5057	.4019	.7169	.6268	.5155	.7077	.8439	.8726	.4646	.4745	.3716	.3971	.6709	.7118
53 SCYE CIRCUMFERENCE	.7033	.5801	.3695	.7082	.6169	.4917	.6586	.5494	.5657	.3702	.3708	.3323	.3504	.6471	.6339
54 AXILLARY ARM CIRC	.7320	.4994	.3509	.7836	.6275	.5287	.6676	.6065	.6590	.3940	.4057	.3580	.3808	.7024	.6816
55 BICEPS C,RELAXED,R	.7919	.5060	.3034	.7367	.6091	.5014	.6408	.6372	.7027	.4189	.4345	.3694	.3935	.6777	.6609
56 BICEPS C,FLEXED,R	.8129	.5319	.3148	.7368	.6088	.5042	.6335	.6225	.6835	.3753	.3964	.3410	.3675	.6725	.6532
57 BICEPS C,RELAXED,L	.7587	.4800	.3190	.7516	.6138	.5031	.6452	.6473	.7132	.3964	.4345	.3410	.3843	.6741	.6639
58 BICEPS C,FLEXED,L	.7838	.4967	.3350	.7457	.6102	.5027	.6436	.6375	.7005	.4009	.4238	.3592	.3843	.6626	.6536
59 ELBOW CIRC, FLEXED	.7539	.5595	.3608	.4776	.4011	.3395	.4390	.3799	.3462	.4815	.5011	.3425	.3559	.5950	.3885
60 FOREARM C, RELAXED	.9301	.7025	.4148	.7122	.5976	.4788	.5895	.5767	.5895	.5802	.5575	.4335	.4607	.5695	.5932
61 FOREARM C, FLEXED		.6825	.4014	.6851	.5698	.5647	.6084	.5569	.5675	.5515	.5575	.4230	.4451	.5695	.5655
62 WRIST CIRCUMFERNCE	.6825		.4150	.5283	.4555	.4608	.3693	.4945	.4078	.6184	.6181	.4554	.4767	.2541	.4268
63 BIACROMIAL BREADTH	.4014	.4150		.6046	.4608	.2408	.3058	.3607	.3119	.3119	.3778	.2466	.2528	.6334	.2748
64 BIDELTOID BREADTH	.6851	.5283	.6046		.7395	.4950	.5106	.6205	.4080	.6257	.6181	.3289	.3531	.5922	.6397
65 CHEST BREADTH	.5698	.4555	.4608	.7395		.4856	.5311	.5465	.3738	.5118	.5465	.3685	.3897	.6713	.5690
66 BUST PT-BUST PT BR	.5647	.4608	.2408	.4950	.4856		.4856	.3763	.4209	.3058	.2804	.2804	.2684	.6313	.5064
67 WAIST BREADTH	.6084	.3693	.3058	.5106	.5311	.4856		.5760	.5802	.3751	.3888	.3181	.3465	.5129	.7033
68 HIP BREADTH	.5569	.4945	.3607	.6205	.5465	.3763	.5760		.8812	.3782	.3530	.3722	.3829	.5129	.5155
69 THIGH-THIGH BR,SIT	.5675	.4078	.3119	.4080	.3738	.4209	.5802	.8812		.3810	.3530	.3530	.3810	.5659	.5684
70 HUMERAL BREADTH, R	.5515	.6184	.3119	.6257	.5118	.3058	.3751	.3782	.3810		.9182	.4833	.5024	.3490	.2798
71 HUMERAL BREADTH, L	.5575	.6181	.3778	.6181	.5465	.2804	.3888	.3530	.3530	.9182		.4653	.4859	.3328	.2892
72 FEMORAL BREADTH, R	.4230	.4554	.2466	.3289	.3685	.2804	.3181	.3722	.3530	.4833	.4653		.9602	.3005	.2889
73 FEMORAL BREADTH, L	.4451	.4767	.2528	.3531	.3897	.2684	.3465	.3829	.3810	.5024	.4859	.9602		.3186	.3146
74 CHEST DEPTH	.5695	.2541	.6334	.5922	.6713	.6313	.5129	.5129	.5659	.3490	.3328	.3005	.3186		.6973
75 WAIST DEPTH	.5655	.4268	.2748	.6397	.5690	.5064	.7033	.5155	.5684	.2798	.2892	.2889	.3146	.6973	
76 ABDOMINAL EXT DPTH	.5829	.4268	.2800	.6609	.5950	.5087	.6866	.6023	.6738	.2867	.2895	.3208	.3470	.7132	.8615
77 BUTTOCK DEPTH	.6244	.4149	.2912	.6702	.5311	.4574	.6345	.6729	.7349	.3171	.3135	.2879	.3144	.6402	.6859
78 THIGH CLEARANCE	.5583	.4856	.3219	.5309	.4785	.3555	.4837	.5475	.4955	.4203	.4199	.4527	.4632	.4676	.4478
79 SHOULDER LENGTH	.2007	.2521	.6177	.3015	.2032	.1012	.1817	.2148	.1535	.2837	.2287	.2735	.2841	.0954	.0892
80 NECK-BUST POINT L	.4137	.3654	.3870	.4959	.4383	.4901	.4791	.4340	.4498	.2837	.2761	.2735	.2841	.6257	.5046
81 STRAP LENGTH	.5022	.3541	.3782	.5847	.5274	.5327	.5506	.4792	.4954	.3451	.3369	.2971	.3124	.6580	.5565
82 INTERSCYE	.4445	.3428	.4227	.6249	.5940	.3273	.5022	.3627	.3838	.2881	.2869	.2446	.2568	.4676	.4516
83 INTERSCYE, MAXIMUM	.4435	.4039	.4193	.5604	.5200	.3002	.4719	.4144	.3979	.3403	.3333	.3175	.3278	.4080	.3965
84 BACK CURVATURE	.4778	.3975	.3261	.5896	.6139	.3523	.5819	.4419	.4557	.2855	.2967	.2642	.2984	.5474	.5251
85 WAIST BACK	.2091	.3258	.1406	.1365	.0939	.2259	.1423	.2028	.1639	.3209	.3135	.2106	.2116	.1204	.0791
86 ANTERIOR WAIST LTH	.3519	.3688	.2668	.3440	.3390	.3119	.3656	.2919	.2577	.3265	.3278	.2653	.2691	.3427	.2950
87 SLEEVE INSEAM	.1305	.2880	.3870	.1421	.0877	.0883	.1700	.1639	.0474	.2883	.2989	.1661	.1681	.0835	.0440
88 SPINE-TO-SCYE LGTH	.3604	.3273	.3782	.4559	.4498	.2382	.3746	.2853	.2841	.3127	.3069	.3058	.3106	.3104	.3062
89 SPINE-TO-ELBOW LTH	.3954	.4642	.5911	.4898	.4233	.2925	.4117	.3981	.3292	.4342	.4287	.3223	.3310	.3399	.2897
90 SPINE-TO-WRIST LTH	.3331	.4905	.5817	.4512	.3941	.2755	.4075	.3743	.2866	.4644	.4657	.3226	.3334	.3182	.2670

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91	HAND LENGTH	.3064	.4855	.3648	.2346	.2185	.1916	.2589	.1364	.1093	.4638	.4570	.3025	.3189	.1962	.1718
92	HAND BREADTH	.4186	.5736	.3236	.3153	.2054	.2287	.3032	.2231	.1947	.4981	.4949	.3032	.3179	.2545	.2201
93	HAND CIRCUMFERENCE	.5677	.7058	.3627	.4044	.3457	.2983	.3832	.2636	.2330	.5472	.5462	.3694	.3828	.3192	.3064
94	FOOT LENGTH	.3666	.5297	.4252	.3196	.2779	.2316	.3504	.3168	.2255	.4853	.4956	.3356	.3501	.2664	.2459
95	FOOT BREADTH	.3524	.4616	.3245	.2865	.2367	.1863	.2843	.2530	.2123	.3633	.3716	.2076	.2251	.1774	.2015
96	HEAD LENGTH	.2391	.2537	.2388	.2043	.2303	.2054	.1680	.1834	.1768	.2439	.2450	.1867	.1937	.1804	.1279
97	HEAD BREADTH	.2208	.1878	.1785	.2331	.2191	.1756	.2632	.1878	.2179	.1621	.1487	.1775	.1792	.2316	.2249
98	HEAD CIRCUMFERENCE	.3128	.3034	.3113	.3003	.2783	.2255	.2960	.2650	.2561	.2576	.2600	.2011	.2105	.2366	.2335
99	TRAGION-TOP HEAD	.1666	.1452	.1861	.1572	.1541	.1208	.1461	.1304	.1304	.1403	.1350	.0710	.0759	.1100	.1152
100	ECTOCANTHUS-TOP HD	.1432	.1266	.1779	.1118	.1137	.0814	.0825	.0780	.0745	.1291	.1225	.0642	.0667	.0493	.0549
101	PRONASALE-TOP HEAD	.1251	.1232	.2008	.1014	.0980	.0698	.0527	.0758	.0648	.1272	.1279	.0728	.0772	.0220	.0191
102	SUBNASALE-TOP HEAD	.1456	.1516	.2401	.1346	.1333	.0880	.0826	.0937	.0854	.1440	.1449	.0775	.0836	.0382	.0378
103	STOMION-TOP HEAD	.1502	.1746	.2381	.1287	.1251	.0867	.0871	.0927	.0756	.1572	.1602	.0821	.0872	.0413	.0385
104	MENTON-TOP HEAD	.2226	.2353	.2936	.1944	.1881	.1432	.1516	.1450	.1282	.2218	.2218	.1257	.1328	.0851	.0980
105	TRAGION TO WALL	.1555	.1399	.1691	.1659	.1373	.1570	.1223	.1114	.1049	.1221	.1292	.0269	.0322	.1601	.1106
106	ECTOCANTHUS-WALL	.2365	.2078	.2444	.2313	.2037	.2006	.1535	.1732	.1749	.1827	.1842	.0711	.0790	.2067	.1621
107	PRONASALE TO WALL	.2824	.2676	.2662	.2719	.2320	.2307	.2269	.2150	.2063	.2317	.2266	.1206	.1343	.2499	.1876
108	SUBNASALE TO WALL	.2581	.2445	.2308	.2493	.2112	.2143	.2089	.1807	.1700	.1925	.1928	.0925	.1017	.2353	.1844
109	LIP PROTRUS"N-WALL	.2323	.2132	.1907	.2243	.1818	.1863	.1907	.1460	.1351	.1594	.1616	.0777	.0844	.2203	.1823
110	MENTON TO WALL	.2745	.2265	.1605	.2793	.2385	.2179	.2434	.1833	.1873	.1785	.1794	.1055	.1105	.2753	.2311
111	SAGITTAL CURVATURE	.1802	.1588	.2271	.1771	.1866	.0956	.1483	.1838	.1780	.1582	.1474	.1091	.1085	.1124	.1174
112	BITRAGION-CORONAL	.2388	.2348	.1861	.2177	.2086	.1570	.2306	.1721	.1675	.1903	.1900	.1528	.1571	.1919	.1972
113	BIOCULAR BREADTH	.2326	.2673	.1454	.1407	.1626	.1369	.1627	.0317	.0992	.2108	.2080	.2356	.2469	.1525	.1429
114	BIAURICULAR BRDTH	.1781	.1806	.1789	.1863	.2076	.0640	.1936	.1604	.1520	.1005	.0989	.1248	.1299	.1509	.1330
115	BITRAGION BREADTH	.3437	.3521	.2912	.3453	.3161	.2126	.3391	.2564	.2703	.2634	.2562	.2505	.2695	.2867	.2974
116	BIZYGOMATIC BRDTH	.3218	.3137	.2111	.2832	.2725	.2209	.2953	.2145	.2208	.2623	.2590	.2920	.3087	.2456	.2668
117	BIGONIAL BREADTH	.3176	.2989	.1410	.2990	.2759	.2032	.2937	.1995	.2247	.2483	.2404	.3046	.3246	.2900	.2971
118	NASAL BREADTH	.1391	.1406	.1191	.0943	.0602	.0794	.0810	-.0213	-.0168	.0964	.0949	.0550	.0549	.0573	.1196
119	LIP LENGTH	.0744	.1208	.0666	.0518	.0566	.0665	.0708	-.0042	-.0101	.1023	.1096	.1171	.1194	.0711	.0837
120	MENTON-SUBNASALE L	.1745	.1867	.1470	.1509	.1523	.1232	.1320	.1134	.1167	.1296	.1425	.1155	.1285	.1329	.1167
121	MENTON-SELLION LTH	.2002	.2346	.2655	.2074	.1944	.1557	.1861	.1554	.1629	.2216	.2133	.1631	.1902	.1522	.1548
122	SUBNASALE-SELLION	.1274	.1581	.1945	.1380	.1226	.0787	.1213	.1089	.1204	.1457	.1391	.1027	.1229	.1028	.0983
123	EAR LENGTH	.2155	.2124	.1853	.2445	.2130	.1917	.2240	.1961	.1981	.1290	.1378	.1172	.1242	.2603	.2393
124	EAR BREADTH	.1177	.1424	.1338	.1245	.0874	.0925	.1014	.0892	.0804	.0697	.0832	.0617	.0642	.1056	.0853
125	GRIP STRENGTH	.4240	.3990	.3342	.3411	.3471	.2673	.2735	.2068	.1981	.3681	.3588	.2299	.2400	.2218	.1509
139	STATURE REPORTED	.3300	.4683	.4571	.3240	.2971	.2346	.3589	.3652	.2617	.4924	.4949	.3467	.3534	.2530	.2093
140	WEIGHT REPORTED	.7405	.6250	.4955	.7698	.6770	.5706	.7365	.7420	.7513	.5258	.5318	.4782	.5055	.7186	.7118

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1	AGE	.2887	.1638	-.0092	.0277	.3114	.3256	.1938	.1707	.1654	.0095	.0466	-.0828	.1509	.1274	.0770
2	WEIGHT	.7911	.8048	.7135	.2734	.5725	.6545	.5341	.5528	.6064	.2983	.4589	.2882	.4298	.5689	.5661
3	TRICEPS SKINFOLD	.5733	.5983	.4191	.0379	.3635	.4106	.3018	.2943	.3584	-.0206	.2178	-.0556	.1838	.1777	.1328
4	SUBSCAPULAR SKINFD	.6371	.5772	.3293	.0322	.4064	.4479	.3636	.3244	.4307	-.0340	.1965	-.0810	.1981	.1386	.1011
5	SUPRAILIAC SKINFLD	.5936	.5373	.4154	.0404	.4206	.4432	.3401	.3311	.3560	-.0363	.2580	-.0297	.2333	.1784	.1446
6	MEDIAL CALF SKINFD	.3552	.3920	.3059	-.0326	.1606	.1721	.1108	.0999	.2133	.0120	.1401	-.0570	.0419	.0373	.0084
7	STATURE	.2078	.2378	.4312	.3655	.2648	.3235	.1880	.3517	.2359	.5854	.4575	.7074	.2591	.6793	.7579
8	STATURE, MAXIMUM	.2081	.2386	.4359	.3658	.2662	.3225	.1900	.3530	.2380	.5884	.4573	.7082	.2609	.6807	.7602
9	CERVICALE HEIGHT	.2249	.2496	.4472	.3733	.2710	.3157	.1906	.3616	.2384	.6090	.4369	.7281	.2576	.6783	.7679
10	ACROMIAL HEIGHT	.2457	.2711	.4430	.2757	.2581	.3058	.2039	.3553	.2699	.5564	.4360	.7008	.2644	.6623	.7563
11	SUPRASTERNALE HGHT	.2307	.2642	.4538	.3529	.2581	.3202	.1931	.3432	.2407	.5487	.4840	.7170	.2522	.6758	.7670
12	BUST POINT HEIGHT	.1564	.1887	.3991	.3105	.0317	.0935	.1299	.2774	.1837	.5110	.4136	.7224	.1978	.6795	.7306
13	WAIST HEIGHT	.2095	.2429	.4435	.3352	.2244	.2605	.1544	.3217	.2014	.3947	.2168	.7369	.2283	.6600	.7601
14	ABDOMINAL EXT HGT	.1173	.1727	.4125	.3247	.1623	.2000	.1222	.2753	.1695	.4183	.2722	.7487	.2021	.6408	.7483
15	TROCHANTERIC HGHT	.2119	.2344	.4284	.3246	.1651	.2100	.1394	.2406	.2092	.3721	.2685	.7422	.1711	.6295	.7417
16	BUTTOCK HEIGHT	.2371	.2450	.4442	.2766	.2002	.2424	.1550	.2955	.2252	.3494	.2846	.7258	.2133	.6126	.7277
17	GLUTEAL FURROW HGT	.1300	.1279	.3642	.2931	.1266	.1566	.1070	.2423	.1466	.3502	.2403	.7458	.1692	.5929	.7082
18	TIBIALE HEIGHT	.1469	.1851	.4002	.3059	.1973	.2132	.1484	.3362	.1340	.3420	.2580	.7332	.2230	.5821	.7052
19	CROTCH HEIGHT	.1710	.1874	.4325	.3184	.1555	.1849	.1345	.2755	.1732	.3725	.2646	.7751	.1900	.6293	.7527
20	ANKLE HEIGHT	.0791	.0743	.1056	.1263	.1307	.1096	.1210	.2460	.0019	.1603	.1255	.3817	.1110	.2326	.3061
21	LAT"L MALLEOLUS HT	.0970	.0882	.2303	.1073	.1073	.1568	.0829	.1373	.1160	.2342	.2024	.2264	.1428	.2581	.2732
22	SITTING HT,RELAXED	.1511	.1965	.2830	.2974	.2882	.3467	.1647	.3126	.2020	.6149	.5188	.3743	.2391	.4857	.4848
23	SITTING HEIGHT	.1768	.2258	.3199	.3059	.2929	.3573	.1940	.3196	.2304	.6570	.5310	.3886	.2449	.4987	.5010
24	EYE HEIGHT,SITTING	.1715	.2039	.3340	.2898	.2986	.3501	.1873	.3193	.2188	.6042	.5063	.3256	.2452	.4579	.4486
25	MIDSHOULDER HT,SIT	.2425	.2838	.3102	.2295	.3038	.3436	.2334	.3273	.2741	.6428	.4954	.3354	.2591	.4412	.4537
26	WAIST HGHT,SITTING	.2488	.2741	.2629	.1448	.2660	.2989	.1796	.2754	.1991	.0972	.1177	.1507	.1802	.2935	.2764
27	ELBOW REST HEIGHT	.0689	.1035	.0796	-.0950	.1311	.1361	.0493	.1109	.1008	.3667	.3229	-.2081	.1014	-.0863	-.1147
28	POPLITEAL HEIGHT	.1293	.1493	.3810	.2573	.1318	.1591	.1103	.2534	.1587	.3105	.2423	.6372	.1993	.5400	.6489
29	BUTTOCK-POPLIT"L L	.3983	.4455	.4775	.2258	.2399	.2862	.2255	.3111	.2743	.2413	.2497	.5672	.2073	.5352	.6148
30	BUTTOCK-KNEE LNGTH	.4734	.5438	.5914	.3008	.3108	.3596	.2732	.3757	.3434	.3232	.3290	.6452	.2574	.6385	.7192
31	ACROMION-RADIALE L	.2250	.1979	.3722	.3008	.3108	.2534	.1591	.2606	.2691	.3289	.2570	.7304	.1784	.7133	.7680
32	RADIALE-STYLION L	.1604	.1766	.3439	.2490	.2228	.1851	.1190	.2560	.1370	.3082	.2143	.7879	.1497	.5482	.7323
33	THUMB-TIP REACH	.2413	.2427	.3011	.2821	.2082	.2426	.2225	.2781	.2254	.3383	.2505	.6786	.2429	.5982	.6885
34	THUMB-TIP,EXTENDED	.2218	.2573	.3424	.3125	.1941	.2270	.1588	.2791	.1954	.3159	.2450	.6341	.1749	.5485	.6401
35	OVERHEAD REACH	.1985	.2340	.4010	.3622	.2186	.2538	.1728	.2967	.2118	.4681	.3672	.7498	.1970	.6675	.7651
36	NECK CIRCUMFERENCE	.4431	.4455	.3850	.1359	.3320	.4525	.3680	.3940	.3892	.2094	.2713	.2125	.2587	.3502	.3812
37	SHOULDER CIRCUMFER	.6846	.6706	.5674	.3156	.5146	.6127	.6520	.5731	.6486	.1716	.3877	.1501	.2574	.5328	.4898
38	CHEST CIRC AT SCYE	.6960	.6495	.5051	.2258	.5497	.6297	.6210	.5647	.6330	.1225	.3672	.0999	.4750	.4589	.4187
39	BUST CIRCUMFERENCE	.7333	.6600	.4892	.1470	.6420	.6996	.5744	.4984	.6250	.1138	.3965	.0722	.4217	.3986	.3627
40	CHEST C BELOW BUST	.7096	.6325	.4978	.1660	.4838	.5557	.5484	.5042	.6517	.1617	.3857	.1014	.4113	.4191	.3918
41	WAIST CIRCUMFERNCE	.8137	.7067	.5106	.1590	.5374	.6158	.5291	.4844	.5949	.1813	.3877	.1209	.3662	.3830	.3693
42	ABDOMINAL EXT CIRC	.8218	.7061	.4830	.1360	.5252	.5804	.4799	.4638	.5462	.0942	.3522	.0500	.3362	.3414	.3026
43	HIP C-7"BLW WAIST	.7766	.8202	.6212	.1803	.5035	.5761	.4821	.4778	.5549	.1860	.3324	.1501	.3523	.3830	.4042
44	HIP C-9"BLW WAIST	.7189	.8086	.6356	.2146	.4986	.5580	.4480	.4713	.5159	.1889	.3324	.1552	.3353	.4241	.4028
45	UPPER THIGH CIRCUM	.6890	.7955	.6687	.1653	.4454	.4970	.4048	.4183	.4713	.1147	.2923	.0899	.3074	.3447	.3219

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 KNEE CIRCUMFERENCE	.6079	.6887	.6430	.1971	.4040	.4536	.3675	.4029	.4314	.2308	.3396	.1955	.3094	.3976	.3967
47 CALF CIRCUM, RIGHT	.5191	.6241	.5990	.2109	.3367	.3983	.3409	.3441	.4152	.2158	.2993	.1393	.2666	.3609	.3368
48 CALF CIRCUM, LEFT	.5124	.6193	.5866	.2100	.3327	.3966	.3368	.3398	.4080	.2186	.2929	.1396	.2591	.3578	.3354
49 ANKLE CIRCUMFERNCE	.3337	.4365	.4693	.2237	.2569	.2968	.2529	.3042	.2958	.2837	.2974	.1981	.2307	.3305	.3351
50 VERTICAL TRUNK CIR	.5763	.6264	.5153	.2341	.4816	.5491	.3760	.4250	.4464	.4688	.5569	.2567	.3209	.4744	.4753
51 VERTICAL TRK C,SIT	.5059	.5464	.4704	.2472	.4548	.5193	.3636	.4351	.4417	.5326	.5330	.3050	.3290	.5060	.5083
52 BUTTOCK CIRC, SIT	.7823	.8142	.6180	.1969	.5313	.5932	.4727	.4890	.5386	.1883	.3636	.1508	.3636	.4432	.4256
53 SCYE CIRCUMFERENCE	.6468	.6266	.6250	.1375	.4928	.5579	.4459	.4896	.5282	.1860	.3636	.1686	.3675	.4445	.4410
54 AXILLARY ARM CIRC	.7173	.7061	.5318	.1409	.5024	.5758	.4793	.4559	.5269	.0657	.3319	-.0189	.3519	.3157	.2739
55 BICEPS C,RELAXED,R	.7164	.7121	.5448	.1105	.4749	.5477	.4573	.4189	.5083	.0734	.3092	-.0550	.3325	.2768	.2368
56 BICEPS C,FLEXED, R	.7014	.7053	.5613	.1088	.4773	.5533	.4554	.4330	.5134	.0896	.3188	-.0286	.3359	.2949	.2610
57 BICEPS C,RELAXED,L	.7213	.7178	.5366	.1187	.4616	.5469	.4595	.4197	.5122	.0616	.2972	-.0274	.3220	.2894	.2490
58 BICEPS C,FLEXED,L	.7065	.7033	.5400	.1188	.4704	.5510	.4607	.4273	.5011	.0739	.3067	-.0217	.3336	.2894	.2580
59 ELBOW CIRC, FLEXED	.3755	.4159	.4331	.2037	.2901	.3588	.3006	.3237	.3167	.2517	.3079	.2748	.2634	.3809	.4291
60 FOREARM C, RELAXED	.6164	.6507	.5752	.1972	.4227	.5122	.4563	.4544	.5057	.2080	.3488	.1314	.3723	.4151	.4100
61 FOREARM C, FLEXED	.5829	.6244	.5583	.2007	.4137	.5022	.4445	.4435	.4778	.2091	.3519	.1305	.3504	.3954	.3931
62 WRIST CIRCUMFERNCE	.4149	.4408	.4856	.2521	.3654	.4324	.3428	.4039	.3975	.3258	.3688	.2880	.3273	.4642	.4905
63 BIACROMIAL BREADTH	.2800	.2912	.3219	.6177	.2692	.3541	.4227	.4193	.3261	.2795	.2668	.3870	.3782	.5911	.5817
64 BIDELTOID BREADTH	.6609	.6702	.5309	.3015	.4959	.5847	.6249	.5604	.5896	.1406	.3440	.1421	.4559	.4898	.4512
65 CHEST BREADTH	.5950	.5311	.4785	.2032	.4383	.5274	.5940	.5200	.6139	.1365	.3390	.0877	.4498	.4233	.3941
66 BUST PT-BUST PT BR	.5087	.4574	.3555	.1012	.4791	.5327	.3273	.3002	.3523	.0939	.3119	.0883	.2382	.2925	.2755
67 WAIST BREADTH	.6866	.6345	.4837	.1847	.4791	.5506	.5022	.4719	.5819	.2259	.3656	.1700	.3746	.4117	.4075
68 HIP BREADTH	.6023	.6729	.5475	.2148	.4340	.4792	.3627	.4144	.4419	.2028	.2919	.1639	.2853	.3981	.3743
69 THIGH-THIGH BR,SIT	.6738	.7349	.4955	.1535	.4498	.4954	.3838	.3979	.4557	.1423	.2677	.0474	.2841	.3292	.2866
70 HUMERAL BREADTH, R	.2867	.3171	.4203	.2331	.2837	.3451	.2881	.3403	.2855	.3209	.3265	.2883	.3127	.4342	.4644
71 HUMERAL BREADTH, L	.2895	.3135	.4199	.2287	.2761	.3369	.2869	.3333	.2967	.3263	.3278	.2989	.3069	.4287	.4657
72 FEMORAL BREADTH, R	.3208	.2879	.4527	.1474	.2735	.2971	.2446	.3175	.2642	.2116	.2653	.1661	.3058	.3223	.3226
73 FEMORAL BREADTH, L	.3470	.3144	.4632	.1429	.2841	.3124	.2568	.3278	.2984	.2691	.2691	.1681	.3106	.3310	.3334
74 CHEST DEPTH	.7132	.6402	.4676	.0954	.6257	.6580	.4676	.4080	.5474	.1204	.3427	.0835	.3104	.3399	.3182
75 WAIST DEPTH	.8615	.6859	.4478	.0892	.5046	.5565	.4516	.3965	.5251	.0791	.2950	.0440	.3062	.2897	.2670
76 ABDOMINAL EXT DPTH		.7695	.5258	.0965	.4966	.5441	.4724	.4150	.5401	.0548	.2903	.0604	.3186	.3100	.2818
77 BUTTOCK DEPTH	.7695		.5913	.1217	.4460	.5107	.4332	.4927	.0975	.2776	.1007	.2680	.2647	.3139	.3085
78 THIGH CLEARANCE	.5258	.5913		.2012	.3429	.3847	.3359	.3857	.3821	.1981	.2979	.3161	.3161	.4062	.4361
79 SHOULDER LENGTH	.0965	.1217	.2012		.2879	.2263	.2308	.2924	.0748	.1981	.1707	.3725	.2281	.4585	.4438
80 NECK-BUST POINT L	.4966	.4460	.3429	.2879		.9003	.3661	.2924	.0748	.1604	.3094	.0819	.3114	.3146	.2770
81 STRAP LENGTH	.5441	.5107	.3847	.2263	.9003		.4540	.4531	.4388	.1871	.3839	.0936	.3544	.3730	.3362
82 INTERSCYE	.4724	.4332	.3359	.2308	.3661	.4540		.5612	.5485	.5612	.2536	.2176	.5587	.3848	.3347
83 INTERSCYE, MAXIMUM	.4150	.4927	.3857	.2924	.2924	.4531	.5612		.4180	.2017	.2536	.1543	.5050	.4531	.4334
84 BACK CURVATURE	.5401	.0975	.3821	.0748	.0748	.4388	.5485	.4180		.1701	.2723	.1876	.3796	.3879	.3470
85 WAIST BACK	.0548	.2776	.1981	.1981	.1604	.1871	.5612	.2017	.1701		.4522	.3524	.1621	.3569	.3813
86 ANTERIOR WAIST LTH	.2903	.1007	.2979	.1707	.3094	.3839	.2536	.2536	.2723	.4522		.1876	.2057	.3096	.3138
87 SLEEVE INSEAM	.0604	.2680	.3161	.3725	.0819	.0936	.2176	.1543	.1876	.3524	.1876		.1132	.6554	.7919
88 SPINE-TO-SCYE LGTH	.3186	.2647	.3161	.2281	.3114	.3544	.5587	.5050	.3796	.1621	.2057	.1132		.5468	.4664
89 SPINE-TO-ELBOW LTH	.3100	.3139	.4062	.4585	.3146	.3730	.3848	.4531	.3879	.3569	.3096	.6554	.5468		.9349
90 SPINE-TO-WRIST LTH	.2818	.3085	.4361	.4438	.2770	.3362	.3347	.4334	.3470	.3813	.3138	.7919	.4664	.9349	

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	HAND LENGTH	.1581	.1511	.3456	.3139	.2043	.2209	.1223	.2081	.1847	.3338	.2298	.4736	.1912	.4925	.5581
92	HAND BREADTH	.2153	.2202	.3204	.2032	.2333	.2718	.2018	.2730	.2566	.2462	.2262	.2558	.2425	.3776	.4142
93	HAND CIRCUMFERENCE	.2852	.2957	.3919	.1972	.2739	.3273	.2324	.2967	.2641	.2588	.2828	.2133	.2835	.3691	.4048
94	FOOT LENGTH	.2529	.2743	.4119	.3450	.2538	.2893	.1987	.3088	.2478	.3939	.2839	.5723	.2323	.5613	.6474
95	FOOT BREADTH	.2196	.2525	.2969	.2056	.1213	.1726	.1468	.1594	.1811	.2072	.1594	.2941	.1296	.3226	.3754
96	HEAD LENGTH	.1471	.1781	.2361	.1717	.1310	.1723	.1407	.1425	.1501	.1527	.1260	.1949	.1697	.2797	.2981
97	HEAD BREADTH	.2388	.1761	.1790	.0626	.2040	.2473	.1696	.1754	.2077	.0397	.0743	.0354	.1829	.1870	.1676
98	HEAD CIRCUMFERENCE	.2472	.2918	.3142	.2135	.1928	.2458	.2043	.1853	.2047	.1694	.1591	.2485	.1863	.3260	.3584
99	TRAGION-TOP HEAD	.1364	.1461	.1258	.1208	.0955	.1217	.1254	.0801	.0469	.1125	.0958	.1683	.0785	.1850	.2018
100	ECTOCANTHUS-TOP HD	.0687	.1034	.1042	.0951	.0355	.0781	.0981	.0298	.0309	.1125	.1086	.1853	.0584	.1671	.1933
101	PRONASALE-TOP HEAD	.0213	.0686	.0735	.1210	.0469	.0886	.0731	.0647	.0224	.1105	.1052	.1841	.0761	.1858	.2070
102	SUBNASALE-TOP HEAD	.0424	.0996	.0970	.1454	.0497	.1034	.1015	.0739	.0466	.1430	.1297	.2272	.0769	.2162	.2472
103	STOMION-TOP HEAD	.0406	.1043	.1234	.1438	.0564	.1046	.0888	.0673	.0366	.1464	.1354	.2380	.0824	.2222	.2571
104	MENTON-TOP HEAD	.1014	.1610	.1606	.1805	.0775	.1473	.1359	.0933	.0917	.1771	.1695	.2598	.1161	.2846	.3243
105	TRAGION TO WALL	.1315	.1756	.1458	.1231	.0758	.0998	.1153	.0789	.0795	.0893	.0958	.1984	.0450	.1749	.2171
106	ECTOCANTHUS-WALL	.1860	.2312	.1902	.1934	.1241	.1557	.1480	.1033	.1184	.1275	.1173	.2422	.0842	.2485	.2888
107	PRONASALE TO WALL	.2132	.2552	.2413	.2085	.1596	.1858	.1728	.1571	.1554	.1588	.1319	.2538	.1317	.2814	.3214
108	SUBNASALE TO WALL	.2072	.2503	.2378	.1831	.1252	.1482	.1567	.1248	.1264	.1242	.1008	.2430	.0958	.2393	.2897
109	LIP PROTRUS"N-WALL	.1996	.2361	.2179	.1617	.1144	.1247	.1410	.0963	.1087	.0795	.0625	.2098	.0693	.1917	.2441
110	MENTON TO WALL	.2453	.2666	.1861	.1293	.1408	.1584	.1913	.1628	.1709	.0612	.0632	.1317	.1174	.1799	.2096
111	SAGITTAL CURVATURE	.1277	.1609	.1466	.1497	.1242	.1514	.1406	.1433	.0962	.1781	.1143	.2037	.1079	.2332	.2543
112	BITRAGION-CORONAL	.2052	.2077	.2185	.1035	.1759	.2050	.1588	.1552	.1502	.1336	.0981	.1472	.1304	.2234	.2323
113	BIOCULAR BREADTH	.1270	.1053	.1976	.0763	.1277	.1505	.1470	.1829	.1108	.0872	.0806	.1295	.1771	.1954	.2196
114	BIAURICULAR BRDTH	.1218	.1370	.1260	.1203	.1028	.1321	.1141	.1444	.1372	.0953	.1074	.1035	.1196	.1854	.1771
115	BITRAGION BRDTH	.2785	.2404	.2386	.1393	.2297	.2786	.2305	.2543	.2650	.0986	.1266	.1262	.2256	.2910	.2887
116	BIZYGOMATIC BRDTH	.2404	.1768	.2514	.0805	.2083	.2570	.1838	.2468	.2485	.0759	.1338	.0839	.2241	.2345	.2361
117	BIGONIAL BREADTH	.2674	.2010	.2613	.0250	.2417	.2681	.2253	.2578	.2515	.0579	.1238	.0004	.2438	.1823	.1629
118	NASAL BREADTH	.0883	.0758	.1169	.0786	.0363	.0580	.0665	-.0048	-.0006	-.0107	-.0047	.1204	.0296	.0607	.1189
119	LIP LENGTH	.0509	.0200	.1136	.0491	.0968	.0871	.0538	-.0411	.0407	-.0073	-.0409	.0602	.0847	.0750	.1009
120	MENTON-SUBNASALE L	.1296	.1499	.1726	.0865	.0816	.1122	.0743	.0541	.0794	.1003	.0894	.1186	.0734	.1617	.1868
121	MENTON-SELLION LTH	.1529	.1239	.1552	.1212	.1431	.2055	.1412	.1636	.1248	.1538	.1290	.1509	.1608	.2470	.2657
122	SUBNASALE-SELLION	.0863	.0560	.0632	.1212	.1431	.1629	.0976	.1505	.0970	.1259	.0734	.0951	.1002	.1544	.1647
123	EAR LENGTH	.2488	.2107	.1767	.0874	.1968	.2166	.1604	.1892	.1736	.0988	.1493	.1198	.0942	.1729	.1876
124	EAR BREADTH	.0829	.1189	.1144	.0666	.0614	.0859	.0925	.0693	.0531	.0507	.0453	.1075	.0584	.1291	.1556
125	GRIP STRENGTH	.1352	.2260	.2482	.1683	.2014	.2532	.2429	.2834	.2554	.2212	.2014	.2115	.2779	.3505	.3602
139	STATURE REPORTED	.2258	.2603	.4422	.3605	.2787	.3319	.2036	.3616	.2622	.5782	.4446	.6928	.2641	.6751	.7545
140	WEIGHT REPORTED	.7571	.7630	.6883	.2794	.5556	.6377	.5193	.5594	.5820	.3095	.4528	.3023	.4246	.5719	.5703

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

#		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1	AGE	.0802	.1399	.1375	.0555	.0066	.1177	.1905	.0945	.0668	.0606	.0961	.0694	.0575	.0649	.0862
2	WEIGHT	.3830	.4171	.4950	.5100	.3926	.3039	.2896	.4028	.2217	.1678	.1454	.1832	.1859	.2722	.2041
3	TRICEPS SKINFOLD	.0065	.0574	.1543	.0522	.0552	.0580	.1556	.1067	.0597	.0219	.0134	.0141	.0041	.0331	.0754
4	SUBSCAPULAR SKINFD	-.0197	.0455	.1240	.0385	.0400	.0516	.1328	.0987	.0700	.0122	-.0196	-.0014	-.0143	.0093	.0850
5	SUPRAILIAC SKINFLD	-.0496	.0840	.1684	.1002	.0659	.0510	.1416	.0968	.0631	.0109	-.0265	-.0194	-.0209	.0060	.0809
6	MEDIAL CALF SKINFD	-.0584	.0021	.0459	-.0213	-.0305	.0352	.0905	.0630	.0591	.0107	-.0110	-.0001	-.0073	-.0128	.0380
7	STATURE	.6013	.3796	.3648	.6916	.3554	.3184	.1360	.3306	.2445	.2355	.2404	.2867	.2941	.3592	.1773
8	STATURE, MAXIMUM	.6047	.3814	.3666	.6959	.3545	.3214	.1366	.3346	.2419	.2335	.2378	.2841	.2923	.3577	.1775
9	CERVICALE HEIGHT	.6039	.3757	.3636	.6966	.3460	.2990	.1212	.3084	.2074	.1976	.1992	.2445	.2541	.3157	.1878
10	ACROMIAL HEIGHT	.5923	.3757	.3684	.6837	.3494	.2977	.1339	.3108	.2064	.1976	.1953	.2412	.2473	.3148	.1877
11	SUPRASTERNALE HGHT	.6085	.3774	.3744	.6960	.3568	.3067	.1171	.3190	.2143	.2110	.2112	.2588	.2694	.3347	.1855
12	BUST POINT HEIGHT	.5699	.3341	.3214	.6457	.3411	.2840	.0851	.2844	.1899	.1938	.1924	.2411	.2447	.3087	.1869
13	WAIST HEIGHT	.6027	.3401	.3214	.6798	.3407	.2968	.1225	.3057	.2050	.1942	.1925	.2345	.2456	.3018	.1875
14	ABDOMINAL EXT HGT	.6039	.3324	.3080	.6609	.3199	.2833	.0901	.2804	.1933	.1924	.1896	.2298	.2461	.3027	.1841
15	TROCHANTERIC HGHT	.5989	.3285	.3000	.6575	.3437	.2868	.0955	.3175	.2158	.2127	.1889	.2392	.2499	.3147	.1950
16	BUTTOCK HEIGHT	.5724	.3149	.3066	.6371	.3002	.2701	.1061	.2760	.1769	.1629	.1452	.1848	.2057	.2607	.1840
17	GLUTEAL FURROW HGT	.5458	.2765	.2503	.6022	.2842	.2416	.0874	.2506	.1868	.1778	.1564	.1954	.2057	.2455	.1797
18	TIBIALE HEIGHT	.4984	.3134	.3026	.6111	.2916	.2287	.1010	.2513	.1741	.1713	.1737	.2111	.2208	.2529	.1882
19	CROTCH HEIGHT	.5851	.3282	.2998	.6644	.3108	.2796	.0888	.2945	.1905	.1904	.1764	.2174	.2362	.2891	.1942
20	ANKLE HEIGHT	.0523	.1575	.1494	.2709	.1751	.0321	.0013	.0949	.1098	.1218	.1002	.1409	.1333	.1049	.1502
21	LAT"L MALLEOLUS HT	.3095	.2093	.2249	.2728	.1548	.1522	.0881	.1164	.0719	.0758	.0928	.1152	.1025	.1432	.0504
22	SITTING HT,RELAXED	.4024	.3035	.2983	.4847	.2536	.2584	.1288	.2729	.2264	.2080	.2258	.2651	.2621	.3135	.0998
23	SITTING HEIGHT	.4145	.3196	.3187	.5088	.2708	.2746	.1356	.2943	.2320	.2110	.2269	.2688	.2647	.3203	.1149
24	EYE HEIGHT,SITTING	.3831	.2922	.2856	.4501	.2184	.2288	.1035	.2135	.1313	.0795	.1095	.1430	.1452	.2014	.0909
25	MIDSHOULDER HT,SIT	.3602	.2975	.3128	.4551	.2550	.2081	.1292	.2409	.1513	.1308	.1372	.1808	.1758	.2273	.1280
26	WAIST HGHT,SITTING	.1963	.1626	.1652	.2704	.1379	.1399	.1050	.1342	.0841	.0611	.0741	.1002	.0859	.1085	.0663
27	ELBOW REST HEIGHT	.0126	.0638	.0850	.0370	.0091	.0402	.0374	-.0206	-.0053	-.0192	-.0086	.0006	.0011	.0070	-.0453
28	POPLITEAL HEIGHT	.5569	.3392	.3117	.5915	.2808	.2528	.0868	.2353	.1365	.1369	.1233	.1596	.1849	.2334	.1354
29	BUTTOCK-POPLIT"L L	.4470	.2637	.2641	.5239	.2876	.2489	.1112	.2927	.1770	.1605	.1511	.1785	.1915	.2480	.2126
30	BUTTOCK-KNEE LNGTH	.5145	.3445	.3617	.6262	.3608	.2962	.1397	.3444	.2141	.1946	.1640	.2076	.2259	.2912	.2387
31	ACROMION-RADIALE L	.5726	.3293	.3085	.5776	.2763	.2578	.1092	.2724	.1492	.1492	.1606	.1870	.1950	.2493	.1398
32	RADIALE-STYLION L	.4622	.3075	.2978	.5887	.3132	.2193	.0928	.2949	.1818	.2018	.1865	.2319	.2428	.2863	.2167
33	THUMB-TIP REACH	.5233	.3539	.3450	.5915	.3266	.2197	.1370	.2732	.2150	.1974	.1892	.2220	.2347	.2921	.1864
34	THUMB-TIP,EXTENDED	.4553	.3079	.2840	.5334	.3155	.2445	.0849	.3095	.1820	.1681	.1563	.1985	.1961	.2501	.2029
35	OVERHEAD REACH	.5564	.3537	.3376	.6602	.3711	.2782	.1147	.3283	.2318	.2170	.2063	.2645	.2591	.3290	.2020
36	NECK CIRCUMFERENCE	.1874	.3648	.3513	.3240	.2650	.1795	.2779	.3349	.1795	.1252	.0865	.1587	.1447	.2367	.1828
37	SHOULDER CIRCUMFER	.2889	.3547	.4243	.3427	.2873	.2476	.2518	.3304	.1530	.1201	.1104	.1400	.1378	.2062	.1674
38	CHEST CIRC AT SCYE	.2228	.3270	.4213	.3050	.2572	.2037	.2405	.2825	.1502	.1017	.0867	.1125	.1057	.1663	.1631
39	BUST CIRCUMFERENCE	.1906	.2868	.3670	.2770	.2055	.2044	.2555	.2733	.1415	.0831	.0631	.0834	.0796	.1542	.1646
40	CHEST C BELOW BUST	.2232	.3131	.3791	.3038	.2431	.1491	.2623	.2813	.1443	.0936	.0762	.1013	.0937	.1343	.1380
41	WAIST CIRCUMFERNCE	.2160	.2721	.3684	.3197	.2592	.1247	.2672	.2813	.1416	.0750	.0335	.0667	.0522	.0740	.1500
42	ABDOMINAL EXT CIRC	.1432	.2331	.2838	.2301	.1970	.1999	.2531	.2223	.1125	.0358	.0153	.0354	.0163	.1619	.0935
43	HIP C-7""BLW WAIST	.2301	.2844	.3535	.3484	.2949	.2138	.2490	.2970	.1495	.0829	.0633	.0937	.0884	.1765	.1649
44	HIP C-9""BLW WAIST	.2183	.2744	.3416	.3505	.2970	.1892	.2379	.3103	.1544	.1010	.0853	.1137	.1100	.1358	.1601
45	UPPER THIGH CIRCUM	.1622	.2389	.3145	.2671	.2552	.1892	.2277	.2715	.1230	.0740	.0587	.0719	.0765	.1345	.1345

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
46 KNEE CIRCUMFERENCE	.2520	.3246	.4131	.4035	.3550	.2104	.2384	.3217	.1817	.1399	.1278	.1556	.1643	.2218	.1600
47 CALF CIRCUM, RIGHT	.2331	.3211	.3917	.3565	.3781	.2091	.2053	.2902	.1641	.1308	.1062	.1389	.1442	.2017	.1261
48 CALF CIRCUM, LEFT	.2359	.3214	.3897	.3543	.3724	.2169	.2018	.2985	.1619	.1239	.0997	.1332	.1371	.1957	.1265
49 ANKLE CIRCUMFERNCE	.2756	.3739	.4477	.4336	.4122	.1994	.1702	.2704	.1506	.1336	.1273	.1631	.1690	.2552	.1135
50 VERTICAL TRUNK CIR	.3317	.3336	.4157	.4574	.3224	.2495	.1995	.3223	.1602	.1434	.1492	.1923	.1720	.2512	.1918
51 VERTICAL TRK C,SIT	.3671	.3367	.4006	.4157	.3272	.2431	.1872	.2965	.1861	.1434	.1429	.1840	.1107	.2411	.1726
52 BUTTOCK CIRC, SIT	.2430	.2969	.3580	.3760	.3054	.2196	.2445	.3146	.1624	.1021	.0829	.1115	.1171	.1811	.1617
53 SCYE CIRCUMFERENCE	.2912	.3775	.4937	.3666	.2958	.1913	.2179	.2579	.1534	.1105	.0956	.1176	.0422	.1810	.1708
54 AXILLARY ARM CIRC	.1053	.2596	.3909	.2459	.2034	.1642	.2268	.2266	.1007	.0469	.0295	.0529	.0621	.0983	.1419
55 BICEPS C,RELAXED,R	.1127	.2713	.4240	.2082	.2119	.1794	.2181	.2326	.1193	.0758	.0565	.0699	.0751	.1154	.1300
56 BICEPS C,FLEXED, R	.1549	.3073	.4347	.1827	.2321	.2131	.2131	.2455	.1119	.0838	.0683	.0795	.0639	.1307	.1322
57 BICEPS C,RELAXED,L	.0899	.2452	.3472	.1847	.2166	.1573	.2154	.2414	.1076	.0719	.0576	.0752	.0649	.1172	.1363
58 BICEPS C,FLEXED, L	.1159	.2724	.3848	.2040	.2290	.1680	.2132	.2413	.1119	.0721	.0585	.0726	.0639	.1183	.1390
59 ELBOW CIRC, FLEXED	.3698	.3620	.4803	.4138	.3272	.2410	.1317	.2600	.1643	.1676	.1493	.1696	.1523	.2369	.1505
60 FOREARM C, RELAXED	.3073	.4347	.5677	.3666	.3524	.2391	.2375	.3272	.1326	.1326	.1176	.1464	.1582	.2271	.1732
61 FOREARM C, FLEXED	.3064	.4186	.5297	.5297	.3666	.2391	.2268	.3128	.1452	.1432	.1251	.1456	.1748	.2226	.1555
62 WRIST CIRCUMFERNCE	.4855	.5736	.7058	.4616	.3524	.2537	.1878	.3034	.1666	.1266	.1232	.1516	.1748	.2353	.1399
63 BIACROMIAL BREADTH	.3648	.3236	.3627	.4262	.3246	.2388	.1785	.3113	.1861	.1779	.2008	.2401	.2381	.2996	.1691
64 BIDELTOID BREADTH	.2346	.3153	.4044	.3198	.2866	.2043	.2331	.3003	.1572	.1138	.1014	.1346	.1287	.1944	.1659
65 CHEST BREADTH	.2185	.3457	.3457	.2779	.2367	.2003	.2191	.2783	.1541	.1137	.0980	.1333	.1251	.1881	.1373
66 BUST PT-BUST PT BR	.1916	.2287	.2983	.2316	.1863	.2054	.1756	.2255	.1208	.0814	.0698	.0880	.0867	.1432	.1570
67 WAIST BREADTH	.2589	.3032	.3832	.3564	.2843	.1680	.2632	.2920	.1461	.0825	.0527	.0856	.0871	.1516	.1223
68 HIP BREADTH	.1964	.2231	.2636	.3168	.2530	.1834	.1878	.2650	.1304	.0786	.0758	.0997	.0927	.1450	.1049
69 THIGH-THIGH BR,SIT	.1093	.1947	.2330	.2255	.2123	.1768	.2179	.2551	.1304	.0745	.0648	.0854	.0756	.1282	.1114
70 HUMERAL BREADTH, R	.4538	.4981	.5472	.4853	.3633	.2439	.1621	.2576	.1403	.1291	.1272	.1440	.1572	.2208	.1221
71 HUMERAL BREADTH, L	.4570	.4949	.5462	.4956	.3716	.2450	.1487	.2600	.1350	.1225	.1279	.1449	.1602	.2218	.1292
72 FEMORAL BREADTH, R	.3025	.3032	.3694	.3356	.2076	.1867	.1775	.2011	.0710	.0642	.0728	.0775	.0821	.1257	.0269
73 FEMORAL BREADTH, L	.3189	.3179	.3828	.3501	.2251	.1937	.1792	.2105	.0759	.0667	.0772	.0836	.0872	.1328	.0322
74 CHEST DEPTH	.1962	.2545	.3192	.2664	.2015	.1804	.2316	.2366	.1100	.0493	.0220	.0382	.0413	.0851	.0606
75 WAIST DEPTH	.1718	.2201	.3064	.2459	.1774	.1279	.2249	.2335	.1152	.0549	.0191	.0378	.0385	.0980	.1106
76 ABDOMINAL EXT DPTH	.1581	.2153	.2852	.2529	.2196	.1471	.2388	.2472	.1364	.0687	.0213	.0424	.0406	.1014	.1315
77 BUTTOCK DEPTH	.1511	.2202	.2957	.2743	.2525	.1781	.1761	.2918	.1461	.1034	.0686	.0996	.1043	.1610	.1756
78 THIGH CLEARANCE	.3456	.3204	.3919	.4119	.2969	.2361	.1790	.3142	.1268	.1042	.0735	.0970	.1234	.1806	.1458
79 SHOULDER LENGTH	.3139	.2032	.1972	.3456	.2056	.2646	.0626	.2136	.1208	.0951	.1210	.1454	.1438	.1806	.0758
80 NECK-BUST POINT L	.2043	.2333	.2739	.2538	.1213	.1310	.2040	.1928	.0955	.0355	.0469	.0497	.0564	.0775	.0998
81 STRAP LENGTH	.2209	.2718	.3273	.2893	.1726	.1723	.2273	.2458	.1217	.0781	.0886	.1034	.1046	.1473	.0998
82 INTERSCYE	.1223	.2018	.2324	.1987	.1468	.1407	.1596	.2043	.1264	.0981	.0791	.1015	.0888	.1369	.1153
83 INTERSCYE, MAXIMUM	.2081	.2730	.2967	.3088	.1594	.1425	.1754	.1853	.0801	.0298	.0647	.0739	.0673	.0933	.0789
84 BACK CURVATURE	.1847	.2566	.2641	.2478	.1811	.1501	.0397	.2047	.0469	.0309	.0224	.0466	.0366	.0917	.0795
85 WAIST BACK	.3338	.2452	.2588	.3939	.2072	.1527	.2077	.1694	.0958	.1125	.1105	.1430	.1464	.1771	.0893
86 ANTERIOR WAIST LTH	.2298	.2252	.2828	.2839	.1594	.1260	.0743	.1591	.0958	.1086	.1052	.1297	.1354	.1695	.0958
87 SLEEVE INSEAM	.4736	.2558	.2133	.5723	.2941	.1949	.0354	.2485	.1683	.1853	.1841	.2272	.2380	.2598	.1984
88 SPINE-TO-SCYE LGTH	.1912	.2425	.2835	.2323	.1296	.1597	.1829	.1863	.0785	.0584	.0761	.0769	.0824	.1161	.0450
89 SPINE-TO-ELBOW LTH	.4925	.3776	.3691	.5613	.3226	.2797	.1870	.3260	.1850	.1671	.1858	.2162	.2222	.2846	.1749
90 SPINE-TO-WRIST LTH	.5581	.4142	.4048	.6474	.3754	.2981	.1576	.3584	.2018	.1933	.2070	.2472	.2571	.3243	.2171

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
91 HAND LENGTH															
92 HAND BREADTH	.4872														
93 HAND CIRCUMFERENCE	.4809	.7363													
94 FOOT LENGTH	.7135	.4834	.4709												
95 FOOT BREADTH	.3799	.4467	.4843	.5151											
96 HEAD LENGTH	.3160	.2413	.2355	.3300	.1998										
97 HEAD BREADTH	.1326	.2308	.1862	.1863	.1279	.1152									
98 HEAD CIRCUMFERENCE	.3141	.2874	.2750	.3981	.1998	.6920	.4302								
99 TRAGION-TOP HEAD	.1877	.0990	.1083	.2348	.1868	.2585	.2595	.3727							
100 ECTOCANTHUS-TOP HD	.1758	.1043	.1241	.2341	.1859	.2689	.1364	.3587	.7758						
101 PRONASALE-TOP HEAD	.1793	.1050	.1206	.2238	.1557	.2907	.1170	.3391	.6002	.8608					
102 SUBNASALE-TOP HEAD	.2053	.1315	.1320	.2732	.1952	.3022	.1231	.3788	.6404	.8805	.9435				
103 STOMION-TOP HEAD	.2392	.1428	.1553	.2971	.2255	.3357	.0952	.3992	.6556	.8664	.9010	.9454			
104 MENTON-TOP HEAD	.3089	.2298	.2118	.2814	.2814	.3954	.1652	.4302	.6556	.8116	.8191	.8781	.9004		
105 TRAGION TO WALL	.1320	.0713	.0812	.1919	.1479	.3844	.0157	.3322	.3151	.2338	.1573	.2006	.2256	.2653	
106 ECTOCANTHUS-WALL	.2126	.1685	.1672	.2854	.2316	.5328	.0858	.4916	.3754	.3052	.2417	.2999	.3216	.3829	.8604
107 PRONASALE TO WALL	.2847	.2028	.2232	.3393	.2570	.5805	.0776	.4953	.3514	.2174	.1365	.1954	.2331	.2997	.7311
108 SUBNASALE TO WALL	.2591	.1650	.1998	.3106	.2527	.5227	.1331	.4626	.3143	.1546	.0419	.1108	.1647	.2292	.7393
109 LIP PROTRUS"N-WALL	.2427	.1540	.1794	.2725	.2266	.4756	.0328	.4233	.2851	.1102	-.0247	-.0397	.0968	.1758	.7160
110 MENTON TO WALL	.1677	.1342	.1895	.2029	.1751	.3668	.0669	.3139	.2031	-.0030	-.1408	-.1045	-.0843	-.0086	.6176
111 SAGITTAL CURVATURE	.1390	.2231	.1532	.2413	.1900	.4541	.2315	.5944	.3441	.3609	.3326	.3713	.3558	.4073	.2096
112 BITRAGION-CORONAL	.2360	.1623	.1919	.2786	.2046	.2698	.4201	.5416	.5245	.4065	.3487	.3633	.3822	.4046	.1221
113 BIOCULAR BREADTH	.2858	.1309	.2502	.2647	.1773	.2085	.2130	.2569	.1261	.1478	.1834	.1571	.1962	.1694	.1221
114 BIAURICULAR BRDTH	.0789	.0040	.1301	.1693	.1764	.0638	.2818	.2174	.1601	.1557	.1920	.1737	.1765	.1098	.0595
115 BITRAGION BREADTH	.2292	.2750	.3007	.2671	.1858	.1584	.5854	.4079	.1519	.1116	.1366	.1547	.1489	.1911	.0410
116 BIZYGOMATIC BRDTH	.2491	.2946	.3055	.2359	.1382	.1134	.4970	.2987	.1027	.0307	.0446	.0645	.0801	.1345	-.0295
117 BIGONIAL BREADTH	.2099	.2179	.2937	.1770	.1216	.1243	.3369	.2130	.0278	.0137	.0380	.0176	.0462	.0501	-.0502
118 NASAL BREADTH	.2289	.2414	.2051	.2137	.2151	.1986	.1749	.3056	.1521	.1715	.1302	.1604	.1642	.2426	.1276
119 LIP LENGTH	.2309	.2517	.1790	.1595	.1240	.1612	.1740	.2087	.0504	.0560	.0292	.0409	.0600	.1252	.0144
120 MENTON-SUBNASALE L	.1947	.1109	.1555	.2369	.2041	.2593	.0253	.2257	.1869	.1514	.1147	.1410	.2467	.2426	.1276
121 MENTON-SELLION LTH	.2706	.2362	.2199	.2975	.2157	.3107	.1743	.2725	.1593	.0851	.1515	.1753	.2272	.4165	.1653
122 SUBNASALE-SELLION	.1895	.1934	.1423	.2091	.1627	.1758	.1946	.1785	.0736	.0057	.1458	.1503	.1172	.1988	.1314
123 EAR LENGTH	.1651	.1451	.1823	.2051	.1621	.1494	.0804	.1905	.0894	.1127	.1478	.1589	.1643	.1646	.0238
124 EAR BREADTH	.1003	.0617	.1001	.1477	.1401	.1029	.0902	.1108	.0371	.1084	.1332	.1367	.1546	.1351	.0867
125 GRIP STRENGTH	.3060	.4010	.4352	.3222	.2121	.1737	.1014	.1801	.0803	.0933	.1100	.1229	.1274	.1692	.1115
139 STATURE REPORTED	.6024	.3922	.3777	.6875	.3571	.3098	.1400	.3268	.2356	.2219	.2251	.2698	.2787	.3432	.1767
140 WEIGHT REPORTED	.3872	.4034	.4688	.5126	.3720	.3053	.2843	.3995	.2021	.1587	.1484	.1831	.1859	.2724	.1881

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
1 AGE	.1378	.1460	.0837	.0691	.1446	.0361	.0666	.0864	.1233	.2453	.0888	.1464	.0633	.0438	.0378
2 WEIGHT	.2912	.3445	.3111	.2696	.3033	.2369	.3030	.2341	.2160	.3919	.3580	.3466	-.1000	.0830	.2107
3 TRICEPS SKINFOLD	.0923	.0992	.0818	.0643	.1317	.0353	.1244	.0812	.1163	.2076	.2067	.2353	-.0470	-.0487	.0517
4 SUBSCAPULAR SKINFD	.0987	.1037	.1196	.1209	.1970	.0333	.1292	.0644	.1045	.2066	.1893	.2216	-.0549	-.0120	-.0417
5 SUPRAILIAC SKINFLD	.0860	.0994	.1037	.1046	.1620	-.0252	.1240	.1184	.0501	.1669	.2344	.2723	-.0068	.0088	-.0346
6 MEDIAL CALF SKINFD	.0265	.0457	.0366	.0264	.0712	.0412	.0830	-.0220	.0283	.1106	.1310	.0909	-.0991	-.0681	-.0043
7 STATURE	.2412	.2797	.2300	.1629	.1068	.2789	.2431	.1918	.1515	.2282	.1986	.1424	.0321	.0606	.1812
8 STATURE, MAXIMUM	.2418	.2814	.2327	.1661	.1083	.2802	.2450	.1959	.1523	.2288	.1992	.1444	.0347	.0671	.1832
9 CERVICALE HEIGHT	.2439	.2887	.2451	.1843	.1362	.2448	.2138	.2028	.1378	.2208	.2029	.1525	.0412	.0735	.1692
10 ACROMIAL HEIGHT	.2427	.2871	.2445	.1847	.1460	.2422	.2188	.1943	.1456	.2366	.2063	.1581	.0405	.0643	.1756
11 SUPRASTERNALE HGHT	.2470	.2898	.2483	.1862	.1352	.2440	.2158	.2018	.1435	.2221	.2026	.1456	.0567	.0716	.1803
12 BUST POINT HEIGHT	.2355	.2685	.2360	.1790	.1224	.2253	.1797	.1768	.1334	.1881	.1616	.0981	.0488	.0484	.1636
13 WAIST HEIGHT	.2410	.2851	.2527	.2007	.1449	.2175	.2110	.2112	.1351	.2220	.2000	.1496	.0653	.0933	.1653
14 ABDOMINAL EXT HGT	.2225	.2680	.2375	.1874	.1271	.1956	.1945	.2039	.1103	.1861	.1855	.1300	.0718	.0937	.1611
15 TROCHANTERIC HGHT	.2582	.2915	.2729	.2309	.1631	.1993	.2142	.1844	.1259	.1927	.1479	.0902	.1097	.0834	.1812
16 BUTTOCK HEIGHT	.2126	.2511	.2330	.1933	.1355	.1647	.1983	.1959	.0989	.1808	.1921	.1496	.0899	.0997	.1636
17 GLUTEAL FURROW HGT	.2200	.2482	.2304	.1895	.1463	.1724	.1787	.1549	.0878	.1517	.1453	.0932	.0699	.0669	.1232
18 TIBIALE HEIGHT	.2216	.2586	.2398	.1895	.1455	.1982	.1648	.1872	.1140	.1784	.1774	.1198	.0867	.0896	.1084
19 CROTCH HEIGHT	.2441	.2692	.2565	.2169	.1455	.1960	.1959	.1984	.0997	.1735	.1717	.1125	.1140	.1047	.1666
20 ANKLE HEIGHT	.1541	.1514	.1554	.1188	.1033	.1913	.0271	-.0325	.0538	.0750	-.0193	-.0173	-.0350	-.0263	.0058
21 LAT"L MALLEOLUS HT	.0521	.0901	.0468	-.0064	-.0031	.0808	.0909	-.1069	.0243	.1252	-.1602	-.1235	-.0350	-.0152	.0362
22 SITTING HT,RELAXED	.1621	.2013	.1343	.0567	.0373	.2964	.2147	-.1137	.1586	.1928	-.1437	-.1243	-.0811	-.0034	.1448
23 SITTING HEIGHT	.1837	.2214	.1537	.0781	.0540	.3113	.2325	-.1156	.1650	.2038	-.1464	-.1277	-.0660	-.0059	.1554
24 EYE HEIGHT,SITTING	.1402	.1948	.1332	.0700	.0601	.2148	.1544	.1084	.1231	.1696	.1414	.1383	-.0901	-.0052	.1383
25 MIDSHOULDER HT,SIT	.1800	.2196	.1617	.1007	.1067	.2510	.1748	.0909	.1577	.2129	.1289	.1379	-.0681	-.0221	.1323
26 WAIST HGHT,SITTING	.1012	.1246	.0860	.0430	.0660	.1441	.0974	.0792	.1108	.1600	.1152	.1280	-.0747	-.0222	.0594
27 ELBOW REST HEIGHT	-.0460	-.0193	-.0468	-.0748	-.0470	.0738	.0151	.0257	.0221	.0407	.0507	.0797	-.1270	-.0246	-.0235
28 POPLITEAL HEIGHT	.1697	.2159	.2023	.1649	.1167	.1117	.1561	.2150	.0494	.1492	.1895	.1435	.1158	.1366	.1373
29 BUTTOCK-POPLIT"L L	.2547	.2793	.2736	.2421	.2090	.1702	.2124	.2086	.1155	.1968	.1915	.1434	.1374	.1144	.1690
30 BUTTOCK-KNEE LNGTH	.2961	.3278	.3150	.2820	.2325	.1967	.2403	.2207	.1302	.2446	.2344	.1800	.1366	.1200	.2028
31 ACROMION-RADIALE L	.1935	.2358	.2019	.1690	.1333	.1561	.1852	.1877	.1040	.2062	.1882	.1444	.0797	.0991	.1477
32 RADIALE-STYLION L	.2521	.2801	.2635	.2311	.1657	.2231	.1788	.1645	.0971	.1747	.1360	.0647	.1745	.1049	.1571
33 THUMB-TIP REACH	.2350	.2702	.2399	.2085	.1704	.1623	.1805	.1613	.1071	.2104	.1765	.1340	.1378	.0907	.1424
34 THUMB-TIP,EXTENDED	.2515	.2781	.2607	.2315	.1725	.2304	.1874	.1039	.1253	.1755	.0883	.0718	.1226	.0380	.1585
35 OVERHEAD REACH	.2782	.3053	.2826	.2310	.1620	.2404	.2131	.1404	.1363	.2112	.1519	.0937	.0946	.0624	.1785
36 NECK CIRCUMFERENCE	.2643	.2622	.2499	.2162	.2162	.3121	.2292	.0437	.0651	.3672	.3167	.2021	.2159	.1304	.1144
37 SHOULDER CIRCUMFER	.2390	.2840	.2612	.2326	.2913	.1892	.2350	.1819	.2063	.3616	.3127	.3270	.1087	.0846	.1595
38 CHEST CIRC AT SCYE	.2271	.2767	.2463	.2208	.2991	.1884	.2070	.1545	.1815	.3473	.2770	.3056	.0829	.0633	.1293
39 BUST CIRCUMFERENCE	.2129	.2637	.2358	.2142	.2868	.1521	.2126	.1529	.1593	.3093	.2732	.3060	.0671	.0632	.1278
40 CHEST C BELOW BUST	.1966	.2440	.2124	.1868	.2632	.1531	.2035	.1663	.1996	.3398	.2986	.3252	.0526	.0600	.1160
41 WAIST CIRCUMFERNCE	.2067	.2352	.2287	.2126	.2802	.1273	.2242	.1640	.1932	.3525	.3103	.3029	-.1008	.0501	.1389
42 ABDOMINAL EXT CIRC	.1460	.1775	.1540	.1251	.2143	.1133	.1843	.1169	.1647	.3168	.2905	.2886	-.0014	.0123	.0869
43 HIP C-7"'BLW WAIST	.2259	.2661	.2405	.2088	.2670	.1588	.2143	.1613	.1739	.3295	.2897	.2790	.0512	.0266	.1436
44 HIP C-9"'BLW WAIST	.2270	.2638	.2337	.1955	.2466	.1899	.2122	.1471	.1839	.3207	.2693	.2572	.0227	.0050	.1413
45 UPPER THIGH CIRCUM	.1891	.2309	.2137	.1867	.2414	.1371	.1941	.1536	.1555	.2808	.2690	.2865	.0346	.0265	.1288

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
46 KNEE CIRCUMFERENCE	.2179	.2642	.2365	.1994	.2225	.1324	.2309	.1992	.1926	.3329	.3104	.2887	.0734	-.0389	.1646
47 CALF CIRCUM, RIGHT	.1953	.2438	.2145	.1803	.1961	.1589	.1985	.1516	.1626	.2880	.2454	.2414	.0435	-.0254	.1485
48 CALF CIRCUM, LEFT	.2001	.2503	.2201	.1858	.1993	.1697	.2121	.1483	.1577	.2846	.2370	.2316	.0498	-.0308	.1459
49 ANKLE CIRCUMFERNCE	.1774	.2399	.2053	.1590	.1603	.1761	.1799	.1642	.1538	.2669	.2355	.2071	.0593	-.0418	.1410
50 VERTICAL TRUNK CIR	.2518	.3059	.2477	.1923	.1856	.2668	.2152	.1047	.1950	.3000	.1991	.2110	.0009	-.0083	.1687
51 VERTICAL TRK C,SIT	.2346	.2781	.2231	.1661	.1856	.2668	.2128	.1108	.1854	.2857	.1961	.1922	-.0311	-.0155	.1526
52 BUTTOCK CIRC, SIT	.2330	.2763	.2432	.2082	.2627	.1900	.2262	.1635	.1889	.3313	.2763	.2836	.0484	-.0383	.1561
53 SCYE CIRCUMFERENCE	.2252	.2588	.2309	.2030	.2590	.1771	.1987	.1498	.1650	.3119	.2589	.2657	.0755	-.0439	.1520
54 AXILLARY ARM CIRC	.1889	.2128	.1969	.1762	.2550	.1330	.1705	.1082	.1428	.2951	.2595	.2854	.0544	.0175	.1001
55 BICEPS C,RELAXED,R	.1914	.2252	.2010	.1775	.2507	.1283	.1876	.1411	.1546	.3015	.2554	.2844	.0487	.0143	.1207
56 BICEPS C,FLEXED,R	.1943	.2305	.2054	.1832	.2455	.1325	.1971	.1606	.1512	.3083	.2702	.2994	.0733	-.0352	.1372
57 BICEPS C,RELAXED,L	.1960	.1969	.1969	.1705	.2453	.1333	.1907	.1223	.1537	.3011	.2517	.2700	.0488	-.0020	.1148
58 BICEPS C,FLEXED, L	.1966	.2277	.2028	.1789	.2490	.1326	.1858	.1398	.1415	.3008	.2561	.2797	.0661	.0187	.1206
59 ELBOW CIRC, FLEXED	.2591	.2647	.2356	.2099	.2855	.1780	.1787	.1938	.1210	.2396	.2297	.1967	.1377	.0737	.1716
60 FOREARM C, RELAXED	.2365	.3009	.2760	.2411	.2170	.1893	.2402	.2121	.1925	.3601	.3147	.3224	.1374	.0657	.1841
61 FOREARM C, FLEXED	.2171	.2824	.2581	.2323	.2745	.1802	.2388	.2326	.1781	.3437	.3218	.3178	.1391	.0744	.1745
62 WRIST CIRCUMFERNCE	.2444	.2676	.2445	.2132	.2265	.1588	.2348	.2673	.1806	.3521	.3137	.2989	.1406	.1208	.1887
63 BIACROMIAL BREADTH	.2078	.2682	.2308	.1907	.1805	.2271	.1861	.1464	.1789	.2912	.2111	.1410	.1191	.0666	.1470
64 BIDELTOID BREADTH	.2313	.2719	.2498	.2243	.2799	.1771	.2086	.1407	.1863	.3459	.2832	.2990	.0949	.0518	.1509
65 CHEST BREADTH	.2037	.2320	.2112	.1818	.2385	.1960	.2177	.1620	.2076	.3161	.2725	.2759	.0582	.0566	.1523
66 BUST PT-BUST PT BR	.2006	.2307	.2143	.1868	.2179	.0956	.1570	.1369	.0840	.2126	.2209	.2032	.0794	.0665	.1232
67 WAIST BREADTH	.1835	.2269	.2089	.1907	.2484	.1483	.2306	.1627	.1930	.3391	.2963	.2937	.0810	-.0708	.1320
68 HIP BREADTH	.1792	.2150	.1807	.1460	.1833	.1838	.1721	.0917	.1604	.2664	.2145	.1995	-.0219	-.0042	.1134
69 THIGH-THIGH BR,SIT	.1749	.2063	.1700	.1351	.1873	.1780	.1875	.0992	.1520	.2703	.2208	.2247	-.0168	-.0101	.1167
70 HUMERAL BREADTH, R	.1827	.2317	.1925	.1594	.1785	.1582	.1900	.2080	.1005	.2634	.2653	.2483	-.0964	-.1023	.1296
71 HUMERAL BREADTH, L	.1842	.2266	.1928	.1616	.1794	.1474	.1900	.2080	.0989	.2562	.2590	.2404	-.0949	.1096	.1425
72 FEMORAL BREADTH, R	.0711	.1206	.0925	.0777	.1055	.1091	.1528	.2356	.1248	.2505	.2920	.3046	.0550	.1171	.1155
73 FEMORAL BREADTH, L	.0790	.1343	.1017	.0844	.1105	.1085	.1571	.2469	.1299	.2695	.3087	.3246	.0549	.1194	.1285
74 CHEST DEPTH	.2067	.2499	.2353	.2203	.2753	.1124	.1919	.1525	.1509	.2867	.2456	.2900	.0573	.0711	.1329
75 WAIST DEPTH	.1621	.1876	.1844	.1823	.2311	.1174	.1972	.1429	.1330	.2974	.2668	.2671	.1196	-.0837	.1167
76 ABDOMINAL EXT DPTH	.1860	.2132	.2072	.1996	.2453	.1277	.2052	.1276	.1218	.2785	.2404	.2674	.0883	.0509	.1296
77 BUTTOCK DEPTH	.2315	.2552	.2503	.2361	.2606	.1609	.2077	.1053	.1370	.2404	.1768	.2010	.0758	.0200	.1499
78 THIGH CLEARANCE	.1902	.2413	.2378	.2179	.1861	.1486	.2185	.1976	.1260	.2386	.2514	.2613	.1189	.1136	.1726
79 SHOULDER LENGTH	.1934	.2085	.1831	.1617	.1293	.1497	.1036	.0763	.1203	.1393	.0806	.0250	.0786	.0491	.0865
80 NECK-BUST POINT L	.1241	.1596	.1252	.1144	.1408	.1242	.1759	.1505	.1028	.2297	.2083	.2417	.0363	.0968	.0816
81 STRAP LENGTH	.1557	.1858	.1482	.1247	.1584	.1514	.2056	.1178	.1321	.2786	.2570	.2681	.0580	.0871	.1122
82 INTERSCYE	.1480	.1728	.1557	.1410	.1913	.1406	.1588	.1829	.1141	.2305	.1838	.2253	.0665	-.0538	.0743
83 INTERSCYE, MAXIMUM	.1033	.1571	.1248	.0963	.1628	.1433	.1502	.1108	.1444	.2548	.2468	.2578	-.0048	.0411	.0541
84 BACK CURVATURE	.1184	.1554	.1254	.1087	.1709	.0962	.1552	.0872	.1372	.2650	.2485	.2515	-.0006	-.0407	.0794
85 WAIST BACK	.1275	.1588	.1242	.0795	.0612	.1781	.1336	.0872	.0953	.0986	.0759	.0579	-.0107	-.0073	.1003
86 ANTERIOR WAIST LTH	.1173	.1319	.1008	.0625	.0632	.1143	.0981	.0806	.1074	.1266	.1338	.1238	-.0047	-.0009	.0894
87 SLEEVE INSEAM	.2422	.2538	.2430	.2098	.1317	.2037	.1472	.1295	.1035	.1262	.0839	.0004	-.1204	-.0602	.1186
88 SPINE-TO-SCYE LGTH	.0842	.1317	.0958	.0693	.1174	.1079	.1304	.1771	.1195	.2256	.2241	.2438	-.0296	-.0847	.0734
89 SPINE-TO-ELBOW LTH	.2485	.2814	.2393	.1917	.1799	.2332	.2234	.1954	.1854	.2910	.2345	.1823	-.0607	.0760	.1617
90 SPINE-TO-WRIST LTH	.2888	.3214	.2897	.2441	.2096	.2543	.2323	.2196	.1771	.2887	.2361	.1629	.1189	.1009	.1868

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
91 HAND LENGTH	.2126	.2847	.2591	.2427	.1677	.1390	.2360	.2858	.0789	.2292	.2491	.2099	.2289	.2303	.1947
92 HAND BREADTH	.1685	.2028	.1650	.1594	.1342	.2231	.1623	.1309	.0040	.2750	.2946	.2179	.2414	.2517	.1109
93 HAND CIRCUMFERENCE	.1672	.2232	.1998	.1794	.1895	.1532	.1623	.1301	.1693	.3007	.3055	.2937	.2051	.1790	.1555
94 FOOT LENGTH	.2854	.3393	.3106	.2725	.2029	.2413	.2786	.2647	.1693	.2671	.3055	.1770	.2137	.1595	.2369
95 FOOT BREADTH	.2316	.2570	.2527	.2266	.1751	.1900	.2046	.1773	.1764	.1858	.2359	.1216	.2151	.1240	.2041
96 HEAD LENGTH	.5328	.5805	.5227	.4756	.3668	.4541	.2698	.2085	.0638	.1584	.1382	.1243	.1986	.1612	.2593
97 HEAD BREADTH	.0858	.0770	.0331	.0323	.0669	.2315	.4201	.2130	.2818	.5854	.1134	.3369	.1749	.1740	.0250
98 HEAD CIRCUMFERENCE	.4916	.4953	.4626	.4233	.3139	.5944	.4201	.2569	.2217	.4079	.4970	.2130	.3056	.2087	.2257
99 TRAGION-TOP HEAD	.3754	.3514	.3143	.2851	.2031	.3441	.5245	.1261	.1601	.1519	.2987	.0137	.1521	.0504	.1869
100 ECTOCANTHUS-TOP HD	.3052	.2174	.1545	.1102	-.0030	.3609	.4065	.1478	.1557	.1110	.1027	.0137	.1715	.0560	.1514
101 PRONASALE-TOP HEAD	.2417	.1365	.0419	-.0247	-.1408	.3326	.3487	.1834	.1920	.1366	.0307	.0380	.1302	.0292	.1147
102 SUBNASALE-TOP HEAD	.2999	.1954	.1168	-.0397	-.1045	.3713	.3633	.1571	.1737	.1547	.0446	.0176	.1604	.0409	.1410
103 STOMION-TOP HEAD	.3216	.2331	.1647	.0968	-.0843	.3558	.3822	.1765	.1765	.1547	.0645	.0176	.1642	.0600	.2467
104 MENTON-TOP HEAD	.3829	.2997	.2292	.1758	-.0086	.4073	.4046	.1902	.1098	.1409	.0801	.0462	.2426	.1252	.3876
105 TRAGION TO WALL	.8604	.7311	.7393	.7160	.6176	.2096	.4221	.1694	.1098	.1911	.1345	.0501	.1276	.0144	.1653
106 ECTOCANTHUS-WALL		.8328	.8300	.7977	.6695	.3408	.2024	.0565	.0546	.1602	.0691	.0116	.2346	.0727	.2136
107 PRONASALE TO WALL	.8328		.9348	.8850	.7799	.2990	.1980	.1152	.1107	.0787	.0788	.0404	.2237	.1237	.1980
108 SUBNASALE TO WALL	.8300	.9348		.8644	.8376	.2541	.1755	.1107	.0548	.1401	.0655	.0371	.1271	.2115	.2115
109 LIP PROTRUS"N-WALL	.7977	.8850	.8644		.8644	.2238	.1619	.1613	.0144	.1139	.0615	.0363	.3017	.1800	.2100
110 MENTON TO WALL	.6695	.7799	.8376	.8644		.1347	.1088	.1048	.0745	.2055	.0764	.0943	.2042	.1079	.0503
111 SAGITTAL CURVATURE	.3408	.2990	.2541	.2238	.1347		.4109	-.0074	.0818	.3087	.2636	.2423	.1635	.0933	.1070
112 BITRAGION-CORONAL	.2024	.1980	.1755	.1619	.1088	.4109		.2991	.2721	.3087	.2686	.4130	.1771	.0933	.2105
113 BIOCULAR BREADTH	.0565	.1152	.1107	.1613	.1048	-.0074	.2991		.3024	.3711	.4264	.2249	-.0623	-.1073	.1828
114 BIAURICULAR BRDTH	.0546	.1107	.0548	.0144	.0745	.0818	.2721	.3024		.3754	.3024	.3754	-.0623	-.1073	.1109
115 BITRAGION BREADTH	.1602	.0787	.1401	.1139	.2055	.3087	.3087	.3711	.3754		.7157	.5268	.1898	.1582	.0522
116 BIZYGOMATIC BRDTH	.0691	.0788	.0655	.0615	.0764	.2636	.2686	.4264	.3024	.7157		.5666	.1743	.2496	.0147
117 BIGONIAL BREADTH	.0116	.0404	.0371	.0363	.0943	.2423	.4130	.2249	.3754	.5268	.5666		.1428	.2320	.0692
118 NASAL BREADTH	.2346	.2237	.1271	.3017	.2042	.1635	.1771	-.0623	-.0623	.1898	.1743	.1428		.5258	.1069
119 LIP LENGTH	.0727	.1237	.2115	.1800	.1079	.0933	.0933	-.1073	-.1073	.1582	.2496	.2320	.5258		.0703
120 MENTON-SUBNASALE L	.2136	.1980	.2115	.2100	.0503	.1070	.2105	.1828	.1109	.0522	.0147	.0692	.1069	.0703	
121 MENTON-SELLION LTH	.2040	.2598	.1971	.1663	.0404	.1681	.2108	.1597	.0773	.1861	.1437	.1381	.1328	.1282	.6332
122 SUBNASALE-SELLION	.0806	.1666	.0998	.0467	.0097	.1469	.1227	.0888	.0457	.1998	.1216	.1084	.1141	.1025	.1162
123 EAR LENGTH	.1265	.1424	.1165	.0902	.0941	.1469	.1441	.1650	.2075	.1512	.0651	.1031	.1118	.0323	.1141
124 EAR BREADTH	.1232	.1517	.1510	.1221	.1065	.0605	.0507	.1534	.1092	.1074	-.0116	.0483	.0868	.0037	.1190
125 GRIP STRENGTH	.1730	.1806	.1653	.1372	.1032	.1515	.0933	.1400	.1289	.1783	.1334	.1450	.0775	.0558	.1098
139 STATURE REPORTED	.2413	.2839	.2362	.1775	.1274	.2623	.2464	.2018	.1555	.2366	.2142	.1512	.0500	.0729	.1739
140 WEIGHT REPORTED	.2701	.3234	.2878	.2444	.2779	.2454	.2897	.2404	.2187	.3965	.3543	.3369	.0987	.0813	.2107

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		121	122	123	124	125	129	130
1	AGE	.1885	.2585	.2714	.1369	.1501	.0395	.2545
2	WEIGHT	.2645	.1655	.2804	.1392	.3609	.5524	.9634
3	TRICEPS SKINFOLD	.0541	.0307	.1223	.0421	.0941	.0979	.5565
4	SUBSCAPULAR SKINFD	.0355	.0033	.1370	.0287	.0642	.0306	.5418
5	SUPRAILIAC SKINFLD	.0252	-.0275	.0826	.0100	-.0639	.1310	.5513
6	MEDIAL CALF SKINFD	-.0245	-.0110	-.0686	-.0192	-.0223	-.0315	.3314
7	STATURE	.2673	.1797	.1752	.1037	.2952	.9534	.5498
8	STATURE, MAXIMUM	.2688	.1800	.1766	.1066	.2981	.9554	.5506
9	CERVICALE HEIGHT	.2535	.1681	.1608	.1010	.2880	.9477	.5542
10	ACROMIAL HEIGHT	.2488	.1604	.1633	.1024	.2963	.9332	.5663
11	SUPRASTERNALE HGHT	.2564	.1622	.1708	.1083	.2998	.9419	.5671
12	BUST POINT HEIGHT	.2215	.1320	.1401	.1008	.2528	.8921	.4753
13	WAIST HEIGHT	.2252	.1382	.1488	.1069	.2537	.8889	.5109
14	ABDOMINAL EXT HGT	.2158	.1276	.1050	.1011	.2534	.8731	.4459
15	TROCHANTERIC HGHT	.2237	.1183	.1418	.1185	.2369	.8317	.4706
16	BUTTOCK HEIGHT	.2019	.1039	.1200	.1010	.2289	.8256	.4740
17	GLUTEAL FURROW HGT	.1576	.0803	.0875	.0656	.2152	.7982	.3785
18	TIBIALE HEIGHT	.1793	.1252	.1167	.1049	.2467	.7678	.4216
19	CROTCH HEIGHT	.2047	.1065	.1103	.0999	.2465	.8386	.4421
20	ANKLE HEIGHT	.0295	.0799	.0748	.0933	.1405	.3027	.1620
21	LAT"L MALLEOLUS HT	.1177	.0867	.0556	.0404	.0984	.4110	.2564
22	SITTING HT,RELAXED	.2378	.1792	.1499	.0673	.2435	.7371	.4636
23	SITTING HEIGHT	.2484	.1913	.1677	.0679	.2522	.7581	.4930
24	EYE HEIGHT,SITTING	.2404	.1881	.1301	.0499	.2317	.7023	.4603
25	MIDSHOULDER HT,SIT	.2024	.1481	.1537	.0608	.2488	.6883	.5081
26	WAIST HGHT,SITTING	.1052	.0881	.1113	.0210	.1165	.3786	.3862
27	ELBOW REST HEIGHT	.0528	.0575	.0152	-.0461	.0354	.1828	.1596
28	POPLITEAL HEIGHT	.1847	.0993	.0952	.0831	.2163	.7080	.3828
29	BUTTOCK-POPLIT"L L	.1800	.0913	.1670	.1268	.208?	.6525	.5671
30	BUTTOCK-KNEE LNGTH	.2113	.1039	.1847	.1428	.2802	.7683	.6891
31	ACROMION-RADIALE L	.2053	.1309	.1688	.1036	.2445	.7187	.4521
32	RADIALE-STYLION L	.1933	.1243	.1567	.1370	.2295	.6481	.3853
33	THUMB-TIP REACH	.2170	.1575	.1484	.1139	.2479	.6438	.4338
34	THUMB-TIP,EXTENDED	.2164	.1514	.1555	.1110	.2635	.6122	.4199
35	OVERHEAD REACH	.2222	.1447	.1589	.1300	.2923	.8412	.4882
36	NECK CIRCUMFERENCE	.2062	.1626	.1849	.0516	.2586	.3273	.5636
37	SHOULDER CIRCUMFER	.2166	.1339	.2476	.1270	.3804	.3562	.8057
38	CHEST CIRC AT SCYE	.1821	.1349	.2770	.1255	.3415	.3083	.7754
39	BUST CIRCUMFERENCE	.1759	.1260	.2655	.1105	.2807	.2800	.7722
40	CHEST C BELOW BUST	.1844	.1452	.2508	.1044	.2939	.3134	.7667
41	WAIST CIRCUMFERNCE	.1736	.1097	.2488	.1063	.2584	.3022	.7924
42	ABDOMINAL EXT CIRC	.1294	.0875	.2342	.0717	.1963	.2595	.7667
43	HIP C-7""BLW WAIST	.1807	.1168	.2420	.1060	.2567	.3646	.8587
44	HIP C-9""BLW WAIST	.1804	.1184	.2292	.1014	.2567	.3765	.8537
45	UPPER THIGH CIRCUM	.1423	.0742	.1800	.0794	.2392	.2816	.8010

TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

	121	122	123	124	125	129	130
46 KNEE CIRCUMFERENCE	.1960	.1374	.2088	.1236	.2591	.3994	.7925
47 CALF CIRCUM, RIGHT	.1540	.0844	.1659	.0966	.2665	.3165	.7130
48 CALF CIRCUM, LEFT	.1555	.0912	.1728	.1013	.2693	.3198	.7089
49 ANKLE CIRCUMFERNCE	.1653	.1050	.1715	.0914	.2632	.3543	.5680
50 VERTICAL TRUNK CIR	.2450	.1866	.2687	.1243	.2905	.6114	.7781
51 VERTICAL TRK C,SIT	.2344	.1821	.2399	.1144	.2930	.6687	.7336
52 BUTTOCK CIRC, SIT	.2034	.1311	.2504	.1152	.2626	.3986	.8712
53 SCYE CIRCUMFERENCE	.1825	.1040	.2491	.1116	.3578	.3847	.7512
54 AXILLARY ARM CIRC	.1350	.0841	.2301	.0886	.2794	.1974	.7576
55 BICEPS C,RELAXED,R	.1382	.0945	.2465	.1011	.2841	.1721	.7639
56 BICEPS C,FLEXED, R	.1618	.1080	.2493	.1104	.3214	.1942	.7704
57 BICEPS C,RELAXED,L	.1431	.0988	.2516	.1029	.2684	.1666	.7690
58 BICEPS C,FLEXED, L	.1582	.1071	.2586	.1071	.2964	.1870	.7584
59 ELBOW CIRC, FLEXED	.2118	.1172	.2136	.1286	.3510	.4169	.5512
60 FOREARM C, RELAXED	.2190	.1416	.2287	.1239	.4244	.3286	.7720
61 FOREARM C, FLEXED	.2062	.1274	.2155	.1177	.4240	.3300	.7405
62 WRIST CIRCUMFERNCE	.2306	.1581	.2124	.1424	.3990	.4683	.6256
63 BIACROMIAL BREADTH	.2655	.1945	.1869	.1338	.3342	.4571	.4955
64 BIDELTOID BREADTH	.2074	.1388	.2449	.1245	.3411	.3246	.7698
65 CHEST BREADTH	.1940	.1228	.2130	.0874	.3071	.2971	.6770
66 BUST PT-BUST PT BR	.1557	.0787	.1917	.0925	.2073	.2346	.5706
67 WAIST BREADTH	.1821	.1213	.2240	.1014	.2795	.3589	.7365
68 HIP BREADTH	.1554	.1089	.1961	.0892	.2068	.3652	.7426
69 THIGH-THIGH BR,SIT	.1629	.1204	.1981	.0804	.1981	.2617	.7513
70 HUMERAL BREADTH, R	.2216	.1457	.1290	.0697	.3681	.4924	.5268
71 HUMERAL BREADTH, L	.2133	.1391	.1378	.0832	.3588	.4949	.5318
72 FEMORAL BREADTH, R	.1631	.1027.	.1172	.0617	.2299	.3467	.4782
73 FEMORAL BREADTH, L	.1902	.1229	.1227	.0642	.2400	.3534	.5055
74 CHEST DEPTH	.1522	.1028	.2603	.1056	.2218	.2530	.7186
75 WAIST DEPTH	.1548	.0983	.2393	.0853	.1509	.2093	.7118
76 ABDOMINAL EXT DPTH	.1529	.0863	.2488	.0829	.1352	.2258	.7571
77 BUTTOCK DEPTH	.1239	.0560	.2107	.1189	.2260	.2503	.7630
78 THIGH CLEARANCE	.1552	.0632	.1767	.1144	.2482	.4422	.6883
79 SHOULDER LENGTH	.1621	.1212	.0874	.0666	.1883	.3605	.2794
80 NECK-BUST POINT L	.1616	.1431	.1968	.0614	.2014	.2787	.5556
81 STRAP LENGTH	.2055	.1629	.2166	.0859	.2532	.3319	.6377
82 INTERSCYE	.1412	.0975	.1604	.0925	.2429	.2036	.5193
83 INTERSCYE, MAXIMUM	.1636	.1505	.1892	.0693	.2834	.3616	.5594
84 BACK CURVATURE	.1248	.0970	.1736	.0531	.2554	.2622	.5820
85 WAIST BACK	.1538	.1259	.0988	.0507	.2212	.5782	.3095
86 ANTERIOR WAIST LTH	.1290	.0734	.1493	.0453	.2014	.4446	.4528
87 SLEEVE INSEAM	.1509	.0951	.1198	.1075	.2115	.6928	.3023
88 SPINE-TO-SCYE LGTH	.1608	.1002	.0942	.0584	.2779	.2541	.4246
89 SPINE-TO-ELBOW LTH	.2470	.1544	.1729	.1291	.3505	.6751	.5719
90 SPINE-TO-WRIST LTH	.2657	.1647	.1876	.1556	.3602	.7545	.5703

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TABLE IV (continued)

CORRELATION COEFFICIENTS FOR AIR FORCE WOMEN--1968

		121	122	123	124	125	139	140
91	HAND LENGTH	.2700	.1895	.1651	.1003	.3060	.6024	.3872
92	HAND BREADTH	.2302	.1934	.1451	.0617	.4010	.3922	.4034
93	HAND CIRCUMFERENCE	.2199	.1428	.1823	.1001	.4352	.3777	.4688
94	FOOT LENGTH	.2975	.2091	.2051	.1477	.3222	.6875	.5126
95	FOOT BREADTH	.2157	.1277	.1621	.1401	.2121	.3571	.3720
96	HEAD LENGTH	.3107	.1758	.1494	.1029	.1737	.3098	.3053
97	HEAD BREADTH	.1743	.1946	.0804	-.0002	.1014	.1400	.2843
98	HEAD CIRCUMFERENCE	.2725	.1785	.1905	.1108	.1601	.3268	.3995
99	TRAGION-TOP HEAD	.1593	.0736	.0894	.0371	.0800	.2356	.2021
100	ECTOCANTHUS-TOP HD	.0851	.0057	.1127	.1084	.0933	.2219	.1587
101	PRONASALE-TOP HEAD	.1515	.1458	.1478	.1332	.1100	.2251	.1484
102	SUBNASALE-TOP HEAD	.1753	.1503	.1589	.1367	.1229	.2698	.1831
103	STOMION-TOP HEAD	.2272	.1172	.1643	.1545	.1274	.2787	.1859
104	MENTON-TOP HEAD	.4165	.1988	.1645	.1351	.1692	.3432	.2724
105	TRAGION TO WALL	.1314	.0238	.0867	.1115	.1034	.1767	.1881
106	ECTOCANTHUS-WALL	.2040	.0806	.1265	.1232	.1730	.2413	.2701
107	PRONASALE TO WALL	.2598	.1866	.1424	.1517	.1806	.2839	.3234
108	SUBNASALE TO WALL	.1971	.0998	.1165	.1510	.1653	.2362	.2878
109	LIP PROTRUS-N-WALL	.1663	.0467	.0902	.1221	.1372	.1775	.2444
110	MENTON TO WALL	.0404	.0097	.0941	.1065	.1632	.1274	.2779
111	SAGITTAL CURVATURE	.1681	.1487	.1469	.0605	.1515	.2623	.2454
112	BITRAGION-CORONAL	.2168	.1227	.1441	.0507	.0933	.2464	.2897
113	BIOCULAR BREADTH	.1597	.0888	.1650	.1534	.1400	.2018	.2404
114	BIAURICULAR BRDTH	.0773	.0457	.2075	.1092	.1289	.1555	.2187
115	BITRAGION BREADTH	.1861	.1998	.1512	.1074	.1783	.2366	.3965
116	BIZYGOMATIC BRDTH	.1437	.1216	.0651	-.0116	.1334	.2142	.3543
117	BIGONIAL BREADTH	.1381	.1084	.1031	.0483	.1450	.1512	.3369
118	NASAL BREADTH	.1328	.1141	.1118	.0868	.0775	.0500	.0987
119	LIP LENGTH	.1282	.1025	.0323	.0037	.0558	.0729	.0813
120	MENTON-SUBNASALE L	.6332	.1152	.1141	.1194	.1098	.1739	.2107
121	MENTON-SELLION LTH		.5924	.1670	.1150	.1628	.2555	.2724
122	SUBNASALE-SELLION	.5924		.1602	.0867	.1115	.1777	.1768
123	EAR LENGTH	.1670	.1602		.2876	.1719	.1730	.2915
124	EAR BREADTH	.1150	.0867	.2876		.0849	.1111	.1292
125	GRIP STRENGTH	.1628	.1115	.1719	.0849		.3069	.3498
139	STATURE REPORTED	.2555	.1777	.1730	.1111	.3069		.5687
140	WEIGHT REPORTED	.2724	.1768	.2915	.1292	.3498	.5687	

Section V

THE CORRELATIONS--USAF FLYING PERSONNEL--1967

The Air Force's second major anthropometric survey of its flying personnel was conducted during the first three months of 1967, some 17 years after the initial survey of flying personnel. One hundred eighty-six body dimensions and grip strength were measured on a sample of 2420 men, all of whom were officers on active flying status.

This survey was planned and conducted under the direction of Charles E. Clauser, at that time Chief of the Anthropology Branch of the Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio, with the collaboration of Mr. Clauser's colleagues: Milton Alexander, Kenneth W. Kennedy, Lt. Jack Henninger, and John Garrett at Wright Patterson Air Force Base, and Edmund Churchill and Lloyd Laubach of the Anthropology Research Project, then at Antioch College, Yellow Springs, Ohio. The measuring team consisted of Antioch College students employed by the Anthropology Research Project and trained by Clauser and his colleagues. Measuring was carried out at almost twenty bases spread over the country in states bordering both oceans, Canada and Mexico, as well as in some of the more centrally located states. Editing and data processing were done by the Anthropology Research Project. Published data appear in Grunhofer and Kroh (1975).

Rated pilots made up 49% of the sample, student pilots 21%, rated navigators 21%, and student navigators 8%. Ages of these four groups of subjects averaged 33.1, 23.9, 31.0, and 22.2 years, respectively. In addition to pilots and navigators there were a few flight surgeons in the sample.

Ninety-eight percent of the sample were Whites, 1% Blacks, and 1% other. Five percent were born in New England, 18% in the mid-Atlantic states, 11% in south-Atlantic states, 17% in east-north-central states, 6% in east-south-central states, 15% in west-north-central states, 12% in west-south-central states, 5% in the mountain states, 8% in the Pacific states, and 2% were foreign born. Twenty-eight percent were second lieutenants, 15% first lieutenants, 35% captains, 15% majors, 7% lieutenant colonels, and a handful were colonels.

Correlations for age, the 186 body size measurements, grip strength, stature as reported by the subjects, and weight as reported by the subjects appear in Table V.

TABLE V

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE															
2 WEIGHT	.1130														
3 SKF SUBSCAP"R-LNGE	.1795	.5663													
4 SKF TRICEPS-LANGE	.1589	.5340	.5749												
5 SKF JUX"NIPPLE-LGE	.3248	.5878	.7170	.6456											
6 SKF MAL XIPH"D-LGE	.2024	.6112	.7858	.6168	.7816										
7 SKF SUPRAILIAC-LGE	-.0179	.6393	.6875	.6546	.6892	.7575									
8 SKF SUPRAPATELLA-L	.1495	.5213	.5277	.5615	.5585	.5729	.5296								
9 SKF SUBSCAP"R-HARP	.2214	.5719	.9174	.6091	.6837	.7984	.7047	.5215							
10 SKF TRICEPS-HARP"N	-.2376	.5501	.6066	.8960	.6837	.6370	.6680	.5487	.6588						
11 SKF SUPRAILIAC-HPN	-.0156	.6227	.6852	.6754	.6786	.7447	.9406	.5264	.7104	.6842					
12 GRIP STRENGTH	-.0298	.3661	.0320	.0186	.0122	.0519	.0884	.0558	.0218	.0045	.0882				
13 HEIGHT (STATURE)	-.0277	.5152	.0079	.0933	.0356	.0193	.0679	.0434	-.0076	.0600	.0627	.3238			
14 CERVICALE HEIGHT	-.0005	.5294	.0444	.1358	.0780	.0594	.1064	.0736	-.0317	.1034	.1040	.3164	.9769		
15 ACROMION HEIGHT	.0077	.5541	.0753	.1555	.1136	.0980	.1379	.0921	.0691	.1344	.1333	.3001	.9581	.9664	
16 RADIALE HEIGHT	-.0042	.5609	.0995	.1747	.1240	.1253	.1687	.1182	.0941	.1571	.1660	.2862	.9188	.9243	.9677
17 STYLION HEIGHT	-.0092	.5108	.0923	.1504	.1389	.1159	.1579	.0984	.0844	.1375	.1511	.2376	.8376	.8371	.8842
18 DACTYLION HEIGHT	-.0159	.4791	.1248	.1701	.1522	.1475	.1866	.1207	.1155	.1559	.1784	.1664	.7693	.7703	.8221
19 SUPRASTERNALE HGHT	-.0225	.5554	.0719	.1484	.1079	.0863	.1231	.0933	.0624	.1226	.1192	.3200	.9742	.9714	.9614
20 NIPPLE HEIGHT	-.0284	.4830	.0329	.1036	.0411	.0315	.0788	.0546	.0221	.0739	.0795	.2984	.9487	.9467	.9517
21 WAIST HT-OMPHALION	-.0328	.4224	.0301	.0595	-.0050	-.0160	-.0344	.0083	-.0349	.0344	.0342	.3007	.9229	.9314	.9159
22 ILIOCRISTALE HT	-.0173	.5052	.0616	.1512	.0977	.0904	.1460	.0851	.0536	.1206	.1436	.3051	.9127	.9329	.9208
23 BUTTOCK HEIGHT	-.0374	.4484	.0421	.1196	.0749	.0713	.1068	.0654	.0376	.0880	.1059	.2650	.8695	.8889	.8777
24 TROCHANTERION HGHT	-.0115	.4204	.0044	.0956	.0399	.0253	.0700	.0264	-.0000	.0635	.0689	.2833	.8851	.8978	.8909
25 GLUTEAL FURROW HGT	-.0431	.4076	.0137	.0946	.0468	.0371	.0740	.0351	-.0049	.0567	.0746	.2723	.8771	.9070	.8819
26 CROTCH HEIGHT	-.0930	.3591	-.0513	.0505	-.0262	-.0295	.0240	.0041	-.0646	.0067	.0229	.2709	.8561	.8722	.8603
27 PATELLA TOP HEIGHT	-.0308	.4463	-.0306	.0976	.0736	.0587	.0811	.0773	.0282	.0750	.0793	.2979	.8547	.8703	.8564
28 KNEE CIRC HEIGHT	.0198	.4544	.0349	.1153	.0834	.0663	.0988	.0792	.0326	.0876	.0987	.2952	.8585	.8784	.8664
29 FIBULAR HEIGHT	-.0056	.4270	.0163	.1141	.0621	.0412	.0753	.0544	-.0103	.0746	.0729	.2765	.8451	.8614	.8456
30 CALF HEIGHT	-.0279	.4044	.0595	.1449	.1024	.0930	.1261	.0882	.0547	.1173	.1283	.2323	.7471	.7658	.7550
31 ANKLE HEIGHT	-.0983	.2063	-.0237	-.0956	-.0024	-.0456	-.0545	-.1176	-.0091	-.0465	-.0619	.1424	.4699	.4594	.4588
32 SITTING HEIGHT	-.0542	.4568	.0173	.0604	-.0098	-.0033	-.0515	-.0447	-.0127	-.0362	-.0483	.2767	.7862	.7309	.7076
33 EYE HEIGHT/SITTING	-.0255	.4119	.0018	.0560	.0048	-.0119	.0352	-.0367	-.0228	.0273	.0321	.2627	.7377	.6925	.6691
34 MIDSHOULDER HT/SIT	.0296	.5065	.1006	.1632	.1273	.1067	.1491	.1417	.0846	.1379	.1509	.2552	.6934	.6899	.7122
35 ACROMION H"GHT/SIT	.0380	.4862	.1136	.1752	.1420	.1280	.1646	.1482	.1025	.1591	.1667	.2271	.6403	.6354	.6927
36 ELBOW REST HGT/SIT	.0259	.2656	.1190	.1434	.1405	.1226	.1566	.1479	.1123	.1389	.1650	.0767	.1879	.1744	.2388
37 KNEE HEIGHT/SITT"G	-.0005	.5386	-.0675	.1622	.1125	.1006	.1417	.1306	.0630	.1281	.1363	.3435	.8820	.8981	.8251
38 POPLITEAL HGHT/SIT	-.1015	.2991	-.0997	-.0295	-.0871	-.0929	-.0449	-.0785	-.1122	-.0673	-.0423	.2860	.8406	.8467	.7839
39 BUTTOCK-KNEE LNGTH	-.0312	.6363	.2272	.2790	.2678	.2603	.2362	.2345	.2339	.2791	.2800	.2629	.7603	.7797	.7066
40 BUTTOCK-POPLITEAL	-.0345	.5653	.1940	.2843	.2189	.2374	.2808	.2186	.2037	.2712	.2727	.2426	.6859	.7094	.5110
41 ACRM-BICEP CIR LVL	.0259	.2907	.0527	.0487	.0718	.0466	.0551	.0011	.0584	.0482	.0473	.1318	.4823	.4911	.7714
42 SHOULDER-ELBOW LTH	.0482	.3995	.0176	.0858	.0523	.0395	.0467	.0276	.0204	.0668	.0380	.2562	.7530	.7687	.7437
43 ACROMION-RADIALE L	-.0264	.3871	.0119	.0934	.0498	.0412	.0543	.0261	.0162	.0606	.0461	.2383	.7194	.7332	.7346
44 ELBOW-WRIST LENGTH	-.0300	.4136	.0165	.0919	.0414	.0303	.0618	.0570	.0161	.0650	.0576	.3443	.7365	.7503	.7031
45 RADIALE-STYLION LH	.0328	.3989	.0283	.1173	.0726	.0503	.0573	.0859	.0310	.0921	.0550	.3044	.7015	.7175	.7031

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	ELBOW-GRIP LENGTH	-.0198	.4085	-.0075	.0723	.0258	.0059	.0429	.0311	-.0105	.0494	.0425	.3394	.7531	.7610	.7466
47	THUMB-TIP REACH	.0958	.4138	.0471	.1342	.0896	.0713	.0830	.0927	.0550	.1072	.0813	.2958	.6758	.6934	.6664
48	THUMB-TIP R"CH/XTD	.0253	.3821	.0457	.1082	.0755	.0614	.0620	.0550	.0467	.0971	.0672	.2794	.6370	.6425	.6225
49	SLEEVE INSEAM	-.0300	.2780	-.0501	-.0396	-.0330	-.0508	-.0262	-.0307	-.0514	-.0062	-.0271	.2359	.7117	.7223	.6885
50	BIACROMIAL BREADTH	.0025	.4516	.1639	.0893	.0930	.1341	.1495	.1081	.1363	.0939	.1406	.2863	.3777	.3745	.3159
51	BIDELTOID BREADTH	.0972	.7957	.4953	.4068	.4717	.5228	.5291	.4028	.4919	.4251	.5131	.3204	.3017	.3122	.3263
52	CHEST BREADTH	.1988	.7494	.4632	.4068	.5101	.5457	.5169	.5027	.4807	.4381	.4966	.2853	.2607	.2680	.3038
53	WAIST BRDTH-OMPH"N	.2138	.8515	.6252	.5829	.6894	.7175	.7065	.5917	.6470	.6196	.6882	.2131	.2872	.3168	.3498
54	BICRISTALE BREADTH	.1942	.6490	.4272	.3951	.4722	.5068	.4593	.3520	.4385	.4233	.4321	.2134	.3151	.3413	.3609
55	HIP BREADTH	.1046	.8094	.4347	.5350	.5221	.5224	.5349	.4669	.4588	.5523	.5261	.2422	.4142	.4270	.4485
56	HIP BREADTH SITT"G	.1126	.8550	.4991	.5894	.5838	.5954	.6081	.5123	.5226	.6047	.5980	.2273	.3718	.3911	.4187
57	ELBOW BRDTH BONE/R	.1410	.4474	.0877	.1265	.1172	.1221	.1090	.1591	.0864	.1333	.1181	.3068	.4319	.4321	.4396
58	ELBOW BRDTH BONE/L	.1196	.4632	.0660	.1287	.1126	.1081	.1090	.1633	.0656	.1209	.1136	.3189	.4533	.4476	.4396
59	F"ARM-F"ARM BR"DTH	.1280	.7042	.4489	.3977	.4585	.5025	.4990	.4066	.4584	.4077	.4874	.2859	.2018	.2194	.2516
60	KNEE BR"DTH BONE/R	-.0073	.6242	.2066	.2205	.2188	.2374	.2627	.2500	.2120	.2276	.2645	.3304	.4576	.4508	.4533
61	KNEE BR"DTH BONE/L	-.0062	.6290	.2076	.2270	.2224	.2392	.2688	.2445	.2118	.2317	.2708	.3368	.4711	.4654	.4684
62	CHEST DEPTH	.3053	.7593	.6034	.4854	.6311	.6092	.5711	.4714	.6117	.5272	.5540	.2374	.1970	.1814	.2503
63	WAIST DEPTH-OMPH"N	.3121	.7550	.6701	.5474	.7001	.6981	.6644	.5059	.6820	.5980	.5940	.1323	.1483	.2262	.2117
64	BUTTOCK DEPTH	.1625	.8156	.6168	.5764	.6518	.6557	.6696	.5293	.6319	.6131	.6599	.1813	.2114	.2309	.2660
65	THIGH CLEARANCE HT	-.1033	.7752	.4915	.4882	.4862	.5442	.6430	.5005	.4955	.4802	.6308	.2394	.1689	.1854	.2161
66	NECK CIRC -MAXIMUM	.1831	.6994	.4722	.3094	.4110	.4727	.4469	.3497	.4705	.3406	.4500	.2874	.2166	.2305	.2499
67	SHOULDER CIRCUM"CE	.0914	.8308	.5031	.4306	.4822	.5551	.5348	.3989	.4969	.4345	.5360	.3680	.3175	.3307	.3439
68	CHEST CIRC AT SCYE	.1854	.8100	.5234	.4012	.5287	.5557	.5348	.4207	.5419	.4405	.5148	.3144	.2636	.2683	.3062
69	CHEST CIRCUMF"ENCE	.2591	.8322	.5881	.4630	.6211	.6323	.5915	.4515	.6119	.5123	.5705	.2802	.2404	.2585	.3046
70	WAIST CIR-OMPHAL"N	.2620	.8562	.6869	.6244	.7466	.7523	.7535	.5468	.7061	.6598	.7371	.1920	.2241	.2623	.2962
71	WAIST CIR-OMPH/SIT	.2578	.8213	.6750	.5809	.7195	.7349	.7220	.5178	.6923	.6221	.7073	.1800	.1870	.2214	.2548
72	BUTTOCK CIRCUM/SIT	-.1049	.9221	.5689	.6017	.6264	.6429	.6750	.5498	.5926	.6217	.6595	.2646	.3616	.3797	.4084
73	BUTTOCK CIRCUM"CE	.1964	.8882	.5671	.6009	.6369	.6464	.6398	.5536	.5875	.6174	.6307	.2487	.3368	.3590	.3845
74	VERTICAL TRUNK CIR	.1537	.8232	.4105	.3974	.4577	.4382	.4421	.3740	.4168	.4184	.4263	.2893	.6299	.6335	.6712
75	VERT TRUNK CIR/SIT	.1256	.7616	.3615	.3421	.3887	.3747	.3850	.3073	.3552	.3661	.3716	.2757	.6384	.6404	.6773
76	SCROTALE-ANT WAIST	.1811	.4683	.2522	.2206	.2773	.2442	.2341	.2024	.2640	.2588	.2336	.1670	.4003	.3915	.4059
77	SCROTALE-A WAIST/S	.0106	.3366	.0565	.1214	.0577	.0563	.0644	.1282	.0475	.1294	.0713	.1857	.4532	.4376	.4409
78	SCRTL-SUPRASTERNLE	.2429	.6621	.3833	.3417	.4198	.3859	.3493	.3129	.3869	.3646	.3414	.2137	.5283	.5127	.5255
79	SCRTL-SUPRSTRNLE/S	.1067	.5227	.1792	.2247	.2142	.1895	.1934	.2138	.1710	.2233	.1933	.2502	.5868	.5614	.5585
80	SCRTL-ANT SCYE LVL	.1853	.5629	.2943	.2766	.3400	.2973	.2795	.2568	.2988	.2965	.2725	.1696	.5196	.5108	.5535
81	SCRTL-ANT SCYE L/S	.0159	.3558	.0489	.1289	.0879	.0551	.0846	.1193	.0478	.1203	.0875	.1847	.5281	.5090	.5361
82	SCRTL-A MIDSHOULDR	.2029	.7230	.4168	.3831	.4426	.4302	.4083	.2516	.2094	.2590	.2600	.2432	.5504	.5930	.5902
83	SCRTL-A MIDSHLDR/S	.0800	.5942	.2199	.2725	.2450	.2405	.2561	.2506	.2094	.2590	.3989	.2878	.6021	.5483	.6209
84	SCROTALE-PST WAIST	.0343	.6156	.3891	.3713	.3735	.4074	.4658	.3537	.3848	.4089	.4566	.1837	.2808	.2870	.3118
85	SCRTL-WAIST OVR BK	-.0066	.5904	.2876	.2948	.2681	.3006	.3755	.2817	.2823	.3266	.3655	.2265	.3376	.3388	.3527
86	SCROTALE-P WAIST/S	-.1372	.4913	.3123	.2713	.3273	.3172	.3400	.2273	.3395	.3077	.3389	.1285	.2517	.2498	.2724
87	SCRTL-WAIST/BUTT/S	.0488	.5133	.2864	.2602	.2867	.3623	.3404	.2236	.3269	.3404	.4148	.1375	.2799	.2769	.2984
88	SCROTALE-CERVICALE	.0529	.6974	.3542	.3668	.3567	.3623	.4262	.3269	.3342	.3715	.4148	.2501	.5490	.5827	.5657
89	SCROTALE-CERVCLE/S	.1176	.6785	.3680	.3569	.3912	.3710	.4097	.3023	.3688	.3592	.4054	.2053	.5320	.5629	.5486
90	SCRTL-PST SCYE LVL	.0146	.6162	.3239	.3502	.3332	.3357	.4018	.3086	.3022	.3531	.3952	.1752	.4646	.4739	.5088

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91 SCRTL-PST SCYE L/S	.0836	.5976	.3437	.3330	.3683	.3468	.3885	.2812	.3440	.3315	.3864	.1363	.4415	.4489	.4871
92 SCRTL-P MIDSHOULDR	.0723	.7470	.3849	.3561	.3899	.3920	.4376	.3446	.3784	.3854	.4253	.2543	.5302	.5399	.5644
93 SCRTL-MDSHLD OVR B	.0417	.7040	.3000	.2963	.2977	.3005	.3608	.2794	.2930	.3186	.3487	.2798	.5578	.5638	.5835
94 SCRTL-P MDSHLDR/S	.1257	.7206	.4043	.3524	.4214	.4089	.4335	.3167	.4137	.3781	.4247	.2072	.5059	.5171	.5417
95 SCRTL-MDSHLD O B/S	.0858	.7124	.3489	.3308	.3776	.3625	.4000	.2940	.3618	.3524	.3939	.2151	.5373	.5464	.5704
96 UPPER THIGH CIRCUM	-.0251	.8598	.5474	.5680	.5714	.6119	.6789	.5467	.5604	.5901	.6618	.2353	.2246	.2358	.2745
97 UPPER THIGH C/SIT	-.0014	.8820	.5515	.5754	.5835	.6173	.6830	.5584	.5647	.5954	.6646	.2513	.2492	.2645	.3000
98 KNEE CIRCUMFERENCE	.0710	.8479	.4265	.4636	.4691	.4732	.5211	.5088	.4373	.4801	.5088	.3225	.4205	.4336	.4499
99 KNEE CIRCUM"CE/SIT	.0789	.8547	.4358	.4592	.4781	.4858	.5152	.5127	.4454	.4731	.4976	.3076	.4395	.4518	.4719
100 CALF CIRCUMF/RIGHT	.0141	.7783	.3957	.3820	.4037	.4191	.4671	.4013	.3987	.3957	.4491	.3025	.2402	.2377	.2560
101 CALF CIRCUMF/LEFT	.0066	.7855	.3942	.3845	.4048	.4186	.4704	.4605	.3997	.3957	.4527	.3075	.2507	.2555	.2756
102 ANKLE CIRCUMF"ENCE	.0071	.6936	.2857	.2927	.2964	.3036	.3449	.3715	.2925	.3129	.3332	.3255	.3219	.3142	.3309
103 SCYE CIRCUMFERENCE	.1063	.7410	.4402	.3690	.4108	.4581	.4581	.3363	.4400	.3954	.4482	.3156	.3580	.3690	.3829
104 BICEPS C-EXTEND/RT	.1127	.7977	.5242	.5036	.5315	.5791	.5848	.5029	.5353	.5322	.5751	.3259	.1457	.1567	.1875
105 BICEPS C-EXTEND/LT	.1028	.8068	.5411	.5278	.5492	.6019	.6083	.5187	.5559	.5548	.5964	.3086	.1447	.1579	.1861
106 BICEPS C-FLEXED/RT	.0460	.7759	.4673	.4358	.4459	.5157	.5354	.4669	.4548	.4511	.5261	.3848	.1755	.1872	.2020
107 BICEPS C-FLEXED/LT	.0444	.7871	.4870	.4623	.4731	.5394	.5607	.4766	.4887	.4762	.5495	.3575	.1808	.1926	.2134
108 ELBOW CIR-EXTENDED	.1154	.7822	.3998	.3575	.4609	.4395	.4473	.3884	.4011	.3813	.4460	.4323	.3351	.3451	.3581
109 ELBOW CIRC-FLEXED	.0839	.5973	.2314	.2033	.2227	.2585	.2623	.2399	.2199	.2179	.2564	.4133	.3750	.3794	.3864
110 LOWER ARM C-EXTEND	.1189	.7888	.4224	.3527	.4046	.4460	.4644	.4062	.4221	.3866	.4587	.4603	.2842	.2907	.3065
111 LOWER ARM C-FLEXED	.0879	.7135	.3345	.2819	.3153	.3601	.3743	.3462	.3283	.2987	.3726	.4934	.3030	.3068	.3176
112 WRIST CIRCUMF"ENCE	.1531	.5866	.2597	.2568	.2705	.2753	.2688	.2991	.2675	.2500	.2834	.3587	.3484	.3539	.3506
113 SLVE L/SPINE-SCYE	.1402	.5268	.2427	.1872	.2534	.2782	.2488	.2064	.2618	.1808	.2560	.2839	.2889	.2807	.2889
114 SLVE L/SPINE-ELBOW	.0542	.5638	.1714	.1838	.1600	.1778	.1923	.1460	.1635	.1586	.1911	.3403	.6475	.6549	.6278
115 SLVE L/SPINE-WRIST	.0215	.5799	.1302	.1747	.1348	.1451	.1593	.1401	.1226	.1406	.1680	.3876	.7577	.7703	.7438
116 ANTERIOR NECK LGTH	-.2240	-.1829	-.3649	-.3045	-.3762	-.3687	-.3116	-.2995	-.3873	-.3272	-.3115	.0473	.2889	.2416	.2153
117 POSTERIOR NECK LTH	-.1042	-.0532	-.1835	-.1249	-.1650	-.1802	-.1659	-.1258	-.2083	-.1619	-.1591	.0488	.2191	.1145	.1306
118 SHOULDER LENGTH	-.0032	.2805	.0369	.0429	.0211	.0055	.0409	.0540	.0210	.0220	.0404	.2313	.3371	.3459	.2487
119 DELTOID ARC	-.0361	.3044	.1004	.0966	.0818	.0926	.1306	.0394	.0914	.0662	.1258	.1578	.4215	.4327	.4627
120 INTERSCYE	.1393	.4012	.2218	.1143	.2356	.2371	.2317	.2452	.2452	.1477	.2127	.1239	.1201	.1186	.1198
121 INTERSCYE MAXIMUM	.1237	.6777	.3067	.2639	.2988	.3512	.3610	.2652	.3069	.2653	.3545	.3557	.4375	.4511	.4390
122 WAIST FRONT-OMPH"N	.2094	.5670	.3594	.3178	.3922	.3701	.3257	.2993	.3490	.3216	.3134	.1713	.4115	.4006	.4029
123 CROTCH LGTH-OMPH"N	.1511	.7242	.4150	.4056	.4533	.4511	.4626	.3939	.4329	.4443	.4520	.2381	.3991	.4011	.4272
124 WAIST BACK-OMPHL"N	.0716	.4131	.1257	.1757	.1467	.1135	.1365	.1229	.0960	.1348	.1316	.1993	.5901	.6409	.5774
125 FOOT LENGTH	.0197	.4711	.0156	.0668	.0319	.0259	.0543	.0424	.0523	.0587	.0523	.3659	.6786	.6793	.6636
126 INSTEP LENGTH	.0338	.4482	.0459	.0857	.0629	.0592	.0789	.0744	.0529	.0794	.0777	.3354	.6004	.6055	.5897
127 FOOT BREADTH	-.0383	.4543	.0261	.0714	.0320	.0460	.0920	.0899	.0379	.0735	.0986	.3360	.4279	.4077	.4081
128 BALL-OF-FOOT CIRC	.0398	.5523	.1006	.0995	.1044	.1063	.1313	.1609	.1056	.1236	.1266	.3652	.4467	.4244	.4276
129 INSTEP CIRCUMF"NCE	-.0528	.6186	.1894	.1659	.2065	.1750	.2154	.2193	.2004	.1822	.2168	.3545	.4656	.4535	.4606
130 HEEL CIRCUMFERENCE	.0780	.6648	.1617	.1847	.1852	.1750	.2045	.2193	.1717	.1843	.1993	.3920	.6333	.6297	.6224
131 BI-MALLEOLAR BRDTH	.0932	.4842	.0652	.0458	.0798	.0426	.0472	.0781	.0674	.0740	.0328	.3335	.4584	.4423	.4460
132 LAT"L MALLEOLUS HT	.0101	.3364	.0978	.1082	.1059	.0920	.1145	.0679	.0920	.1082	.1144	.1754	.4462	.4382	.4434
133 MED"L MALLEOLUS HT	.0015	.3277	.0375	.0569	.0366	.0238	.0531	.0550	.0299	.0521	.0549	.2300	.4253	.4108	.4046
134 HAND LENGTH	.0271	.3889	-.0318	.0189	-.0118	-.0287	-.0086	-.0022	.0277	.0210	-.0079	.3788	.6506	.6432	.6355
135 PALM LENGTH	.0317	.3315	-.0166	.0153	-.0011	-.0100	-.0086	-.0035	.0080	.0188	-.0086	.2849	.5345	.5263	.5249

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136	HAND BR/METACARPLE	.0832	.4479	.0555	.0890	.0672	.0753	.0876	.1298	.0517	.0760	.0974	.4119	.4092	.4031	.3966
137	HAND BRTH AT THUMB	.0882	.4610	.0592	.0605	.0668	.0626	.0594	.1200	.0561	.0619	.0691	.4289	.4389	.4236	.4194
138	HAND C/METACARPALE	.1374	.5104	.0992	.0750	.0999	.1097	.1092	.1475	.1073	.0907	.1131	.4483	.4115	.4047	.4040
139	HAND C ROUND THUMB	.1547	.5936	.1625	.1089	.1449	.1597	.1602	.1808	.1566	.1280	.1579	.5191	.4276	.4188	.4157
140	HAND THICK/META-3	.1568	.2612	.0539	.0913	.0955	.1598	.0792	.1214	.0606	.0847	.0914	.2259	.1964	.2017	.1962
141	HEAD CIRCUMFERENCE	.1101	.4116	.1979	.1493	.1776	.1598	.1794	.1698	.2064	.1544	.1832	.2939	.2939	.2622	.2750
142	SAGITTAL ARC/INION	-.0726	.1284	.0051	.0498	.0039	-.0057	.0317	.0582	-.0058	.0117	.0386	.0758	.1579	.1097	.1184
143	MINIMUM FRONTL ARC	-.0594	.1984	.1436	.1048	.1253	.1183	.1352	.1223	.1285	.1206	.1238	.0670	.0709	.0709	.0763
144	BITRAGION-CORONAL	-.0587	.3000	.1276	.1174	.1068	.1213	.1668	.0928	.1201	.1093	.1580	.1374	.2664	.2320	.2337
145	BITRAGN-MIN FRNTAL	-.0732	.3638	.1607	.1727	.1446	.1462	.1712	.1374	.1518	.1689	.1677	.1795	.2650	.2595	.2621
146	BITRAG"N-SUBNASALE	.0941	.4661	.2638	.1851	.2296	.2345	.1850	.1850	.2604	.1689	.2418	.1990	.2357	.2307	.2504
147	BITRAGION-MENTON	.1731	.5432	.3001	.2197	.2822	.2782	.2529	.2398	.2987	.2476	.2703	.2281	.3111	.3047	.3208
148	BIT-SUBMANDIBULAR	.2060	.5330	.3821	.2435	.3659	.3564	.2783	.2580	.3839	.2929	.3271	.1864	.2724	.2679	.2851
149	BITRAG"N-POSTERIOR	.0772	.3008	.2286	.1317	.1558	.1801	.3338	.1253	.2336	.1607	.1989	.1085	.1662	.1698	.1777
150	HEAD LENGTH	-.0170	.2509	.1044	.0672	.0703	.0473	.1951	.1038	.1026	.0592	.0869	.1449	.2490	.2173	.2237
151	HEAD DIAGNL/MENTON	.1582	.3856	.1071	.0872	.0868	.0780	.1496	.1361	.1025	.0690	.1388	.1995	.3887	.3373	.3376
152	HD DIAG/INION-NOSE	.1805	.2473	.0699	.0843	.0888	.0973	.0838	.0748	.1117	.1057	.0690	.1232	.2042	.1900	.1881
153	EAR BREADTH	.3756	.1803	.1786	.0326	.0738	.0484	.0183	.0359	.0874	.0693	.0104	.0384	.1546	.1485	.1582
154	EAR LENGTH	.1270	.2887	.1786	.1799	.2383	.1936	.1057	.1637	.1984	.2101	.1105	.0545	.2240	.2218	.2256
155	EAR L ABVE TRAGION	.1222	.0942	.1627	.0651	.0541	.0140	-.0048	.0390	.0278	.0472	.0050	.0174	.1216	.1297	.1224
156	HEAD BREADTH	.0308	.3051	.1627	.1227	.1671	.1666	.1553	.1342	.1767	.1499	.1471	.0992	.1325	.1297	.1398
157	MAXIMUM FRONTAL BR	.2622	.2990	.1178	.1093	.1074	.1174	.1172	.1342	.0980	.0980	.1245	.1650	.1971	.2025	.2059
158	BITRAGION BREADTH	.2331	.3973	.2338	.1697	.2415	.2251	.1755	.1681	.2507	.2298	.1682	.1258	.1849	.1852	.2067
159	BIZYGOMATIC BR"DTH	-.2237	.4532	.2803	.2260	.2929	.2838	.2488	.2260	.2934	.2699	.2458	.1713	.1898	.1969	.2088
160	BIGONIAL BREADTH	.1559	.4144	.3096	.2924	.3223	.3246	.2988	.2684	.3092	.2883	.3067	.1632	.1041	.1269	.1282
161	EAR-TO-EAR BREADTH	-.0031	.2684	.1096	.0874	.1133	.0896	.0585	.0798	.3092	.1149	.0507	.0984	.2104	.2053	.2109
162	BIOCULAR BREADTH	.0640	.1885	.0459	.0561	.0479	.0615	.0705	.0953	.0420	.0394	.0649	.1112	.1227	.1188	.1231
163	INTERPUPILLARY BRD	.0219	.1834	.0650	.0596	.0653	.0628	.0723	.0686	.0537	.0493	.0678	.0908	.1389	.1445	.1516
164	INTEROCULAR BR"DTH	.2277	.1567	.0459	.0126	.0363	.0385	.0333	.0333	.0558	.0340	.0469	.0760	.0953	.0919	.1057
165	NOSE BREADTH	.2175	.1900	.1172	-.0002	.1005	.0791	.0133	.0739	.1346	.0389	.0125	.0469	.0463	.0404	.0505
166	LIP LENGTH	.0877	.1734	.0490	-.0138	.0409	.0134	-.0043	.0563	.0539	.0136	.0012	.0983	.0893	.0854	.0859
167	EAR PROTRUSION	.2175	.1156	.0434	.0214	.0552	.0297	-.0023	.0300	.0402	.0399	-.0057	.0381	.0894	.0825	.0830
168	SUBNASALE-NASAL RT	.2010	.1196	-.0379	-.0339	.0132	-.0239	-.0584	-.0119	-.0195	.0019	-.0504	.0485	.1955	.1701	.1799
169	PHILTRUM LENGTH	.2769	.1309	-.0503	.1033	.1165	-.0457	-.0023	-.1154	-.0685	.1118	.0006	.0340	.0335	.0246	.0292
170	LIP-TO-LIP LENGTH	-.3680	-.0663	-.0915	-.1038	-.1802	-.1053	-.0023	-.0763	-.1030	.1231	-.0275	.0074	.0555	.0453	.0336
171	MENTON-SUBNASALE L	-.0005	.1669	.0243	-.0469	-.0028	-.0024	-.0354	-.0822	-.0182	-.0489	-.0414	-.0745	.1712	.1533	.1488
172	MENTON-NASAL ROOT	.1192	.2284	.0002	.0371	.0132	-.0065	.0046	.0671	.0074	.0541	.0131	.1043	.2748	.2492	.2483
173	GLABELLA-TO-VERTEX	-.2403	.0152	-.0698	-.0048	-.0867	-.0561	-.0240	-.0290	-.0921	-.0729	-.0319	.0429	.0998	.0570	.0458
174	NASAL ROOT-TO-VRTX	-.2434	.0660	-.0510	.0019	-.0716	-.0430	-.0391	-.0318	-.0705	-.0576	-.0459	.0681	.1713	.1236	.1110
175	XTRNL CANTHUS-VRTX	-.2008	.1017	-.0248	-.0307	-.0433	-.0067	-.0595	-.0050	-.0385	-.0222	-.0690	.0563	.1865	.1333	.1256
176	PRONASALE-TO-VRTX	-.1517	.0551	-.0848	-.0140	-.0845	-.0727	-.0116	-.0395	-.1020	-.0694	.0017	.0581	.1863	.1389	.1227
177	SUBNASALE-TO-VRTX	-.1758	.0845	-.0763	-.0101	-.0836	-.0629	-.0017	-.0328	-.0961	-.0655	.0116	.0771	.2255	.1758	.1602
178	STOMION-TO-VERTEX	-.1504	.1043	-.0762	-.0040	-.0824	-.0679	-.0093	-.0239	-.0903	-.0538	.0095	.0852	.2399	.1870	.1712
179	MENTON-TO-VERTEX	-.1385	.1683	-.0457	.0122	-.0612	-.0476	-.0183	-.0129	-.0602	-.0294	.0336	.1161	.2826	.2272	.2163
180	TRAGION-TO-VERTEX	-.1307	.1665	.0390	.0629	.0233	.0511	.0309	.0420	.0327	.0404	.0911	.0569	.1959	.1448	.1506

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
181 GLABELLA-TO-WALL	.0017	.2758	.0849	.0641	.0539	.0362	.0871	.0722	.0856	.0480	.0935	.1588	.2680	.2367	.2372
182 NASAL ROOT-TO-WALL	.0262	.2726	.0823	.0620	.0551	.0358	.0797	.0718	.0821	.0507	.0860	.1526	.2685	.2414	.2430
183 XTRNL CANTHUS-WALL	.1303	.2202	.1146	.0776	.1060	.0716	.0720	.0844	.1262	.0820	.0727	.1112	.1754	.1586	.1650
184 PRONASALE-TO-WALL	.1487	.2967	.1268	.0848	.1109	.0826	.0848	.0993	.1352	.1019	.0879	.1488	.2512	.2376	.2482
185 SUBNASALE-TO-WALL	.1069	.2797	.1395	.0736	.1123	.0903	.0982	.0975	.1486	.0939	.0984	.1279	.2086	.1955	.2106
186 LIP PROMIN"CE-WALL	.1011	.2909	.1702	.0853	.1327	.1157	.1210	.1223	.1804	.1095	.1215	.1252	.1868	.1807	.1965
187 CHIN PROMINCE-WALL	.1875	.3291	.2188	.1281	.2093	.1840	.1603	.1612	.2349	.1600	.1469	.1431	.1763	.1808	.2025
188 TRAGION-TO-WALL	.0814	.1343	.0982	.0316	.0751	.0578	.0450	.0782	.1134	.0472	.0392	.0441	.0802	.0658	.0756
189 GUESSED HEIGHT	-.0560	.5236	.0268	.1088	.0468	.0350	.0315	.0493	.0106	.0816	.0833	.3205	.9559	.9400	.9236
190 GUESSED WEIGHT	.0986	.9738	.5255	.5021	.5438	.5669	.6011	.4840	.5310	.5119	.5809	.3822	.5647	.5771	.5990

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-0042	-0092	-0159	.0225	-0284	-0328	-0173	-0374	-0115	-0431	-0930	-0308	.0198	-0056	-0279
2 WEIGHT	.5609	.5108	.4791	.5554	.4830	.4224	.5052	.4484	.4204	.4076	.3591	.4463	.4544	.4270	.4044
3 SKF SUBSCAP"R-LNGE	.0995	.0923	.1248	.0719	.0329	.0301	.0516	.0421	.0044	.0137	-0513	-0306	.0349	.0163	.0595
4 SKF TRICEPS-LANGE	.1747	.1504	.1701	.1484	.1036	.0595	.1512	.1196	.0956	.0946	.0505	.0976	.1153	.1141	.1449
5 SKF JUX"NIPPLE-LGE	.1389	.1240	.1522	.1079	.0411	-0050	.0977	.0749	.0399	.0468	-0262	-0736	.0834	.0621	.1013
6 SKF MAL XIPH"D-LGE	.1253	.1159	.1475	.0863	.0315	-0160	.0304	.0713	.0253	.0371	-0296	.0587	.0663	.0412	.0930
7 SKF SUPRAILIAC-LGE	.1687	.1579	.1866	.1231	.0788	.0344	.1460	.1068	.0700	.0764	.0240	.0811	.0792	.0753	.1261
8 SKF SUPRAPATELLA-L	.1182	.0984	.1207	.0933	.0546	-0083	.0851	.0654	.0264	.0351	-0041	.0773	.0098	.0544	.0882
9 SKF SUBSCAP"R-HARP	.0941	.0844	.1156	.0624	.0221	-0349	.0536	.0376	-000	-0049	-0646	-0282	.0326	.0103	.0547
10 SKF TRICEPS-HARP"N	.1571	.1515	.1559	.1226	.0739	.0344	.1206	.0880	.0535	.0567	.0067	.0750	.0876	.0746	.1173
11 SKF SUPRAILIAC-HPN	.1661	.1511	.1784	.1192	.0795	.0342	.1436	.1059	.0689	.0745	.0229	.0793	.0987	.0729	.1283
12 GRIP STRENGTH	.2862	.2376	.1664	.3200	.2984	.3007	.3051	.2650	.2833	.2723	.2709	.2979	.2952	.2765	.2323
13 HEIGHT (STATURE)	.9188	.8376	.7693	.9742	.9487	.9229	.9127	.8695	.8861	.8771	.8561	.8547	.8585	.8451	.7471
14 CERVICALE HEIGHT	.9243	.8371	.7703	.9714	.9467	.9314	.9329	.8889	.9070	.8978	.8703	.8722	.8784	.8614	.7658
15 ACROMION HEIGHT	.9577	.8842	.8221	.9614	.9517	.9159	.9208	.8777	.8903	.8819	.8564	.8603	.8664	.8456	.7550
16 RADIALE HEIGHT		.9326	.8877	.9266	.9184	.8582	.8610	.8178	.8246	.8154	.8071	.8118	.7826	.7029	.7167
17 STYLION HEIGHT	.9326		.9497	.8373	.8358	.7725	.7583	.7246	.7198	.7120	.6880	.7013	.7065	.6796	.6187
18 DACTYLION HEIGHT	.8877	.9497		.7723	.7698	.7002	.6867	.6473	.6461	.6398	.6164	.6331	.6035	.5419	.5419
19 SUPRASTERNALE HGHT	.9266	.8373	.7723		.9656	.9298	.9276	.8984	.8907	.8593	.8768	.8755	.8487	.7489	.7263
20 NIPPLE HEIGHT	.9184	.8358	.7698	.9656		.9301	.8857	.8941	.8957	.8656	.8594	.8653	.8438	.7590	.6814
21 WAIST HT-OMPHALION	.8582	.7725	.7002	.9298	.9301		.9510	.9186	.9352	.9305	.9051	.8997	.8816	.7856	.7178
22 ILIOCRISTALE HT	.8610	.7583	.6867	.9276	.8857	.9510		.9411	.9597	.9662	.9195	.9142	.9209	.9089	.8187
23 BUTTOCK HEIGHT	.8178	.7246	.6473	.8984	.8941	.9186	.9411		.9329	.9514	.9662	.9130	.9204	.9032	.8065
24 TROCHANTERION HGHT	.8246	.7198	.6461	.8907	.8957	.9352	.9597	.9329		.9498	.9223	.9142	.9209	.9156	.8220
25 GLUTEAL FURROW HGT	.8154	.7120	.6398	.8593	.8656	.9305	.9662	.9514	.9498		.9364	.9130	.9204	.9156	.8220
26 CROTCH HEIGHT	.8071	.6880	.6164	.8768	.8594	.9051	.9195	.9662	.9223	.9364		.8863	.9204	.9156	.8376
27 PATELLA TOP HEIGHT	.8118	.7013	.6331	.8755	.8653	.8997	.9142	.9130	.9142	.9130	.8863		.8959	.8916	.7974
28 KNEE CIRC HEIGHT	.7826	.7065	.6035	.8487	.8438	.8816	.9209	.9204	.9209	.9204	.9204	.8959		.8974	.7841
29 FIBULAR HEIGHT	.7029	.6796	.5419	.7489	.7590	.7856	.9089	.9032	.9156	.9156	.9156	.8916	.8974		.8086
30 CALF HEIGHT	.7167	.6187	.5419	.7263	.6814	.7178	.8187	.8065	.8220	.8220	.8376	.7974	.7841	.8086	
31 ANKLE HEIGHT	.4357	.3189	.3189	.4730	.4710	.4904	.4892	.5022	.4844	.4863	.4518	.5088	.4942	.4531	.4688
32 SITTING HEIGHT	.6878	.5503	.5503	.6913	.6814	.5795	.5639	.5365	.5046	.4625	.4625	.4697	.4730	.4676	.4013
33 EYE HEIGHT/SITTING	.6473	.6139	.6139	.6720	.6499	.5440	.5009	.5009	.4575	.4282	.4237	.4395	.4442	.4330	.3699
34 MIDSHOULDER HT/SIT	.7088	.6853	.6139	.6247	.6414	.5272	.5046	.4243	.4520	.4140	.4091	.4340	.4442	.4391	.3826
35 ACROMION H"GHT/SIT	.7153	.5792	.5302	.6048	.6048	.4848	.4671	.4671	.4140	.3918	.3717	.3958	.4068	.4022	.3492
36 ELBOW REST HGT/SIT	.3546	.4600	.1207	.1721	.1579	.0107	-0139	-0760	-0549	-0897	-0939	-0556	-0465	-0542	-0479
37 KNEE HEIGHT/SITT"G	.8281	.6446	.6446	.8982	.8770	.9041	.9376	.8805	.9213	.9045	.9213	.9457	.9430	.9211	.8149
38 POPLITEAL HGHT/SIT	.7574	.5774	.5774	.8369	.8434	.8828	.8836	.8134	.8931	.8931	.8802	.8832	.8877	.8896	.7794
39 BUTTOCK-KNEE LNGTH	.7344	.5980	.5302	.7891	.7661	.7398	.8334	.7438	.7976	.7921	.7721	.7601	.7590	.7322	.6858
40 BUTTOCK-POPLITEAL	.6650	.5439	.4722	.7135	.6954	.7178	.7606	.7606	.7253	.7258	.7043	.6783	.6865	.6668	.6146
41 ACRM-BICEP CIR LVL	.6160	.3407	.2911	.4722	.4698	.4888	.5051	.4812	.4956	.4739	.4546	.4334	.4607	.4602	.4347
42 SHOULDER-ELBOW LTH	.5835	.4992	.4196	.7516	.7374	.7575	.7831	.7557	.7769	.7709	.7466	.7293	.7356	.7331	.6459
43 ACROMION-RADIALE L	.6629	.4756	.3927	.7158	.7070	.7391	.7509	.7524	.7457	.7734	.7233	.6925	.7639	.7150	.6327
44 ELBOW-WRIST LENGTH	.6255	.4923	.3976	.7499	.7324	.7516	.7823	.7524	.7768	.7515	.7484	.7755	.7346	.7474	.6589
45 RADIALE-STYLION LH	.6255	.4602	.3678	.7177	.6974	.7260	.7543	.7367	.7474	.7367	.7250	.7481	.7346	.7270	.6408

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46	ELBOW-GRIP LENGTH	.6763	.5303	.4104	.7538	.7431	.7713	.7871	.7660	.7772	.7740	.7499	.7709	.7690	.7510	.6906
47	THUMB-TIP REACH	.5840	.4495	.3570	.6799	.6547	.6750	.7048	.6768	.6922	.6839	.6607	.6788	.6794	.6776	.6102
48	THUMB-TIP R"CH/XTD	.5402	.4282	.3357	.6347	.6147	.6341	.6556	.6376	.6452	.6458	.6169	.6255	.6250	.6240	.5631
49	SLEEVE INSEAM	.5675	.3956	.3169	.7165	.7117	.7448	.7567	.7390	.7629	.7658	.7534	.7294	.7298	.7268	.6317
50	BIACROMIAL BREADTH	.2907	.2256	.1882	.3813	.3353	.3390	.3446	.3642	.3116	.3042	.2823	.3377	.3299	.3128	.2675
51	BIDELTOID BREADTH	.3271	.2903	.2703	.3353	.2767	.2431	.3031	.2642	.2310	.2310	.1857	.2656	.2692	.2571	.2458
52	CHEST BREADTH	.3123	.2805	.2643	.2966	.2328	.2015	.2579	.2317	.2036	.2002	.1560	.2455	.2452	.2325	.2232
53	WAIST BRDTH-OMPH"N	.3585	.3226	.3144	.3434	.2598	.2148	.3396	.2936	.2513	.2502	.1945	.2902	.2994	.2651	.2783
54	BICRISTALE BREADTH	.3516	.3103	.2769	.3515	.2870	.2444	.3405	.3248	.2995	.2957	.2677	.3383	.3411	.3181	.3103
55	HIP BREADTH	.4516	.4071	.3827	.4502	.3802	.3417	.3896	.3512	.3080	.2964	.2828	.3499	.3570	.3155	.3358
56	HIP BREADTH SITT"G	.4284	.3867	.3759	.4164	.3394	.2946	.3896	.3249	.3080	.2681	.2512	.3130	.3247	.2992	.3096
57	ELBOW BRDTH BONE/R	.4084	.3573	.2932	.4399	.3989	.3857	.3975	.3592	.3653	.3449	.3283	.3959	.3899	.3476	.3280
58	ELBOW BRDTH BONE/L	.4191	.3660	.3026	.4548	.4094	.4004	.4122	.3724	.3796	.3619	.3509	.4129	.4082	.3735	.3441
59	F"ARM-F"ARM BR"DTH	.2707	.2433	.2284	.2455	.1900	.1618	.2298	.2053	.1638	.1681	.1301	.1982	.2050	.1912	.1841
60	KNEE BR"DTH BONE/R	.4515	.4313	.3843	.4587	.4136	.3815	.3989	.3463	.3555	.3177	.3118	.3734	.3663	.3346	.3226
61	KNEE BR"DTH BONE/L	.4654	.4428	.3967	.4733	.4286	.3937	.4134	.3617	.3703	.3324	.3249	.3852	.3790	.3468	.3329
62	CHEST DEPTH	.2501	.2054	.1827	.2641	.2106	.1681	.2574	.2300	.1955	.1967	.1280	.2312	.2349	.2055	.2184
63	WAIST DEPTH-OMPH"N	.2295	.2065	.2090	.2160	.1483	.0699	.1917	.1646	.1262	.1246	.0574	.1712	.1767	.1500	.1669
64	BUTTOCK DEPTH	.2963	.2804	.2793	.2641	.2001	.1429	.2389	.2242	.1619	.1542	.0933	.2020	.2114	.1808	.2028
65	THIGH CLEARANCE HT	.2533	.2394	.2488	.2055	.1642	.0987	.1806	.1403	.0991	.1042	.0793	.1282	.1485	.1388	.1592
66	NECK CIRC -MAXIMUM	.2641	.2545	.2278	.2407	.1832	.1413	.1998	.1667	.1456	.1389	.0879	.1884	.1845	.1617	.1661
67	SHOULDER CIRCUM"CE	.3396	.2988	.2715	.3547	.3000	.2611	.3298	.2898	.2590	.2585	.2119	.2868	.2924	.2778	.2674
68	CHEST CIRC AT SCYE	.3080	.2766	.2452	.3101	.2562	.2268	.2957	.2624	.2263	.2262	.1580	.2671	.2591	.2381	.2450
69	CHEST CIRCUMF"ENCE	.3088	.2735	.2492	.2994	.2449	.2027	.2868	.2517	.2183	.2144	.1466	.2626	.2610	.2310	.2378
70	WAIST CIR-OMPHAL"N	.3129	.2806	.2797	.2909	.2115	.1424	.2802	.2366	.2008	.1931	.1320	.2379	.2520	.2230	.2346
71	WAIST CIR-OMPH/SIT	.2718	.2485	.2491	.2527	.1788	.1145	.2398	.1990	.1646	.1599	.0919	.2021	.2106	.1859	.1956
72	BUTTOCK CIRCUMF"CE	.4273	.3887	.3754	.4080	.3342	.2782	.3691	.2976	.2782	.2453	.2169	.2991	.3070	.2793	.2948
73	BUTTOCK CIRCUM/SIT	.3998	.3669	.3526	.3840	.3079	.2439	.3491	.2920	.2677	.2363	.2143	.2854	.2985	.2825	.2805
74	VERTICAL TRUNK CIR	.7015	.6787	.6586	.6509	.5918	.4856	.5039	.4269	.4304	.3926	.3518	.4398	.4462	.4179	.3881
75	VERT TRUNK CIR/SIT	.7036	.6743	.6540	.6525	.6010	.4929	.5123	.4376	.4414	.4080	.3698	.4437	.4467	.4195	.3878
76	SCROTALE-ANT WAIST	.4253	.4124	.3985	.4213	.3930	.3872	.3310	.2759	.2821	.2582	.1937	.2753	.2646	.2646	.2442
77	SCROTALE-A WAIST/S	.4614	.4574	.4343	.4420	.4336	.4392	.3481	.2897	.3008	.2742	.2814	.2921	.2942	.2882	.2628
78	SCRTL-SUPRASTERNLE	.5596	.5331	.5227	.5807	.5061	.3643	.3905	.3235	.3294	.3106	.2411	.3497	.3404	.3163	.2730
79	SCRTL-SUPRSTRNLE/S	.5840	.5616	.5384	.6171	.5548	.4382	.4218	.3467	.3668	.3430	.3244	.3811	.3766	.3547	.2844
80	SCRTL-ANT SCYE LVL	.5964	.5844	.5785	.5405	.5054	.4080	.3589	.3281	.3167	.3114	.2447	.3248	.3277	.3184	.2799
81	SCRTL-ANT SCYE L/S	.5702	.5626	.5448	.5181	.5054	.3946	.3581	.3130	.3174	.3078	.3012	.3181	.3257	.3213	.2585
82	SCRTL-A MIDSHOULDR	.6160	.5956	.5817	.5819	.5324	.3946	.4288	.3630	.3631	.3444	.2874	.3682	.3732	.3633	.3255
83	SCRTL-A MDSHLDR/S	.6362	.6140	.5902	.6074	.5733	.4545	.4667	.3911	.4100	.3835	.3696	.4040	.4157	.4053	.3451
84	SCROTALE-PST WAIST	.3395	.3294	.3270	.3132	.2715	.2573	.2575	.1899	.1796	.1335	.1320	.2051	.2132	.1702	.1817
85	SCRTL-WAIST OVR BK	.3753	.3619	.3486	.3543	.3182	.3109	.2959	.2170	.2280	.1709	.1918	.2387	.2487	.2195	.2152
86	SCROTALE-P WAIST/S	.2956	.2789	.2827	.2849	.2472	.2464	.2274	.1702	.1666	.1277	.0805	.1585	.1713	.1382	.1455
87	SCRTL-WAIST/BUTT/S	.3217	.3040	.3062	.3063	.2710	.2743	.2500	.1884	.1869	.1448	.1082	.1727	.1864	.1629	.1589
88	SCROTALE-CERVICALE	.5889	.5620	.5463	.5566	.4961	.4130	.4381	.3565	.3665	.3212	.3071	.3805	.3900	.3496	.3243
89	SCROTALE-CERVCLE/S	.5711	.5386	.5272	.5450	.4839	.3861	.4266	.3611	.3635	.3265	.2720	.3553	.3642	.3267	.3147
90	SCRTI-PST SCYE LVL	.5485	.5509	.5450	.4634	.4326	.3387	.3500	.2808	.2804	.2435	.2328	.2908	.3037	.2761	.2824

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91	SCRTL-PST SCYE L/S	.5277	.5244	.5249	.4484	.4166	.3054	.3359	.2876	.2778	.2500	.1958	.2665	.2779	.2504	.2758
92	SCRTL-P MIDSHOULDR	.5959	.5752	.5618	.5413	.4823	.4040	.4246	.3554	.3494	.3105	.2856	.3741	.3744	.3313	.3190
93	SCRTL-MDSHLD OVR B	.6135	.5908	.5695	.5572	.5062	.4335	.4383	.3606	.3712	.3217	.3212	.3824	.3866	.3511	.3325
94	SCRTL-P MDSHLDR/S	.5721	.5459	.5348	.5251	.4661	.3756	.4162	.3620	.3498	.3208	.2593	.3557	.3578	.3167	.3183
95	SCRTL-MDSHLD O B/S	.5999	.5690	.5541	.5500	.4965	.4092	.4395	.3829	.3760	.3412	.2868	.3754	.3781	.3436	.3317
96	UPPER THIGH CIRCUM	.3082	.2837	.2884	.2686	.2100	.1595	.1842	.1952	.1520	.1442	.1105	.1842	.1937	.1629	.1964
97	UPPER THIGH C/SIT	.3306	.3043	.3018	.2941	.2322	.1811	.2094	.2266	.1828	.1770	.1435	.2094	.2192	.1972	.2253
98	KNEE CIRCUMFERENCE	.4627	.4239	.3917	.4514	.3865	.3433	.2717	.3501	.3406	.3050	.2994	.3836	.3912	.3416	.3421
99	KNEE CIRCUM"CE/SIT	.4822	.4440	.4144	.4708	.4108	.3764	.4112	.3903	.3763	.3495	.3214	.4043	.4103	.3748	.3751
100	CALF CIRCUMF/RIGHT	.2709	.2623	.2470	.2825	.2065	.1745	.2248	.1795	.1518	.1669	.1214	.2043	.2090	.1909	.1148
101	CALF CIRCUMF/LEFT	.2921	.2623	.2470	.2825	.2275	.1935	.2448	.1959	.1734	.1945	.1386	.2227	.2281	.2062	.1422
102	ANKLE CIRCUMF"ENCE	.3491	.3385	.2973	.3290	.2818	.2537	.2832	.2325	.2202	.1945	.1947	.2630	.2694	.2477	.1640
103	SCYE CIRCUMFERENCE	.3588	.3301	.2948	.3888	.3208	.2954	.3535	.3100	.3003	.2793	.2420	.3207	.3202	.2909	.2710
104	BICEPS C-EXTEND/RT	.2203	.2087	.2013	.1876	.1208	.0812	.1452	.1090	.0726	.0730	.0228	.1248	.1320	.0969	.1012
105	BICEPS C-EXTEND/LT	.2172	.2127	.2083	.1859	.1212	.0828	.1558	.1218	.0835	.0809	.0343	.1290	.1320	.1045	.1212
106	BICEPS C-FLEXED/RT	.2323	.2122	.1980	.2077	.1470	.1134	.1736	.1357	.1039	.1039	.0665	.1477	.1484	.1240	.1325
107	BICEPS C-FLEXED/LT	.2433	.2302	.2182	.2151	.1537	.1157	.1851	.1489	.1164	.1150	.0776	.1558	.1587	.1327	.1476
108	ELBOW CIR C-EXTENDED	.3782	.3549	.3067	.3609	.2991	.2527	.3031	.2581	.2368	.2247	.1882	.2865	.2812	.2434	.2482
109	ELBOW CIRC-FLEXED	.3830	.3541	.2963	.3852	.3445	.3359	.3560	.3297	.3169	.3138	.2831	.3474	.3365	.3051	.2985
110	LOWER ARM C-EXTEND	.3275	.3103	.2612	.3103	.2468	.2031	.2521	.2086	.1856	.1746	.1361	.2373	.2327	.1996	.2035
111	LOWER ARM C-FLEXED	.3264	.3068	.2602	.3197	.2720	.2385	.2805	.2375	.2231	.2159	.1834	.2709	.2637	.2355	.2295
112	WRIST CIRCUMF"ENCE	.3485	.2888	.2334	.3686	.3118	.2824	.3148	.2653	.2734	.2452	.2255	.3135	.3040	.2799	.2464
113	SLVE L/SPINE-SCYE	.2785	.2506	.2271	.2940	.2460	.2363	.2679	.2313	.2318	.2139	.1858	.2331	.2347	.2328	.2157
114	SLVE L/SPINE-ELBOW	.5298	.4297	.3661	.6483	.6075	.6180	.6483	.6050	.6233	.6040	.5955	.5886	.6002	.5969	.5240
115	SLVE L/SPINE-WRIST	.6456	.5075	.4259	.7644	.7269	.7467	.7776	.7359	.7564	.7252	.7252	.7338	.7366	.7307	.6418
116	ANTERIOR NECK LGTH	.1843	.1847	.1442	.1466	.2081	.2374	.1744	.1943	.1932	.1888	.2296	.1267	.1600	.1903	.1918
117	POSTERIOR NECK LTH	.1232	.1201	.1081	.1684	.1673	.1436	.1085	.1003	.1115	.1078	.1078	.0934	.0963	.1086	.0894
118	SHOULDER LENGTH	.2204	.1546	.1062	.3267	.2890	.3183	.3024	.3256	.2955	.2911	.2901	.2759	.3152	.3149	.2672
119	DELTOID ARC	.3958	.3707	.3381	.4176	.4309	.4029	.4273	.3929	.4015	.3944	.3878	.3528	.3670	.3802	.3546
120	INTERSCYE	.1052	.0877	.0698	.1450	.1064	.1306	.1417	.1391	.1166	.1152	.0650	.1379	.1217	.1043	.1259
121	INTERSCYE MAXIMUM	.4236	.3592	.3186	.4597	.3839	.3703	.4217	.3542	.3716	.3506	.3180	.4006	.3872	.3611	.2958
122	WAIST FRONT-OMPH"N	.4364	.4075	.4070	.4773	.3902	.1665	.2716	.2243	.2242	.2178	.1723	.2668	.2480	.2169	.1732
123	CROTCH LGTH-OMPH"N	.4541	.4370	.4285	.4338	.3852	.3814	.3564	.2789	.2769	.2325	.2067	.2885	.3030	.2779	.2778
124	WAIST BACK-OMPHL"N	.5796	.5441	.5190	.5647	.5124	.3935	.3774	.3774	.4127	.3898	.3736	.4012	.4064	.3913	.3346
125	FOOT LENGTH	.5607	.5465	.5190	.6072	.5690	.6587	.6717	.6302	.5772	.5499	.6192	.6039	.6533	.6300	.5645
126	INSTEP LENGTH	.3991	.4780	.3871	.4203	.3839	.5804	.6723	.5476	.5772	.5499	.5487	.5842	.5842	.5524	.4705
127	FOOT BREADTH	.4183	.3613	.2911	.4437	.3981	.3770	.3871	.3384	.3553	.3169	.3277	.3624	.3605	.3581	.2990
128	BALL-OF-FOOT CIRC	.4528	.3903	.3175	.4741	.4308	.3987	.4027	.3571	.3603	.3299	.3189	.3944	.3793	.3683	.3145
129	INSTEP CIRCUMF"NCE	.5979	.4202	.3511	.6385	.5873	.4292	.4476	.4035	.4009	.3768	.5173	.4399	.4340	.4153	.3633
130	HEEL CIRCUMFERENCE	.5323	.5404	.4544	.4603	.5873	.5948	.6132	.5581	.5715	.5397	.3338	.6041	.6012	.5720	.4914
131	BI-MALLEOLAR BRDTH	.4323	.4003	.3319	.4422	.3928	.4094	.4042	.3532	.3710	.3353	.3968	.4587	.3927	.3548	.2941
132	LAT"L MALLEOLUS HT	.4420	.4255	.3869	.4168	.4286	.4335	.4393	.4177	.4151	.4266	.3199	.3902	.4514	.4400	.4191
133	MED"L MALLEOLUS HT	.3966	.3694	.3195	.3285	.3928	.3825	.3585	.3285	.3487	.3400	.3199	.3734	.3734	.3699	.3373
134	HAND LENGTH	.5887	.4918	.3306	.6434	.6309	.6419	.6392	.6165	.6315	.6099	.5988	.6369	.6361	.6176	.5671
135	PALM LENGTH	.4850	.4059	.2805	.5278	.5148	.5289	.5245	.5118	.5115	.4987	.4839	.5239	.5237	.5063	.4634

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
136	HAND BR/METACARPLE	.3810	.3323	.2527	.4089	.3783	.3600	.3714	.3183	.3378	.3136	.3085	.3650	.3626	.3499	.2821
137	HAND BRTH AT THUMB	.4033	.3464	.2616	.4308	.3977	.3915	.3877	.3565	.3611	.3447	.3268	.3914	.3832	.3731	.3134
138	HAND C/METACARPALE	.3920	.3382	.2529	.4164	.3790	.3649	.3706	.3187	.3359	.3042	.2898	.3743	.3644	.3391	.2863
139	HAND C ROUND THUMB	.4079	.3521	.2692	.4313	.3850	.3654	.3738	.3249	.3351	.3060	.2805	.3761	.3665	.3407	.2859
140	HAND THICK/META-3	.1877	.1567	.1163	.1969	.1702	.1567	.1565	.1343	.1478	.1291	.1204	.1676	.1712	.1608	.1290
141	HEAD CIRCUMFERENCE	.2661	.2540	.2152	.2818	.2510	.2325	.2451	.2153	.2266	.2028	.1876	.2391	.2340	.2360	.2096
142	SAGITTAL ARC/INION	.1155	.1193	.1021	.1150	.1041	.0962	.0947	.0748	.0849	.0807	.1115	.0831	.0883	.1215	.0820
143	MINIMUM FRONTL ARC	.0596	.0748	.0646	.0660	.0618	.0473	.0838	.0373	.0549	.0356	.0311	.0738	.0614	.0613	.0823
144	BITRAGION-CORONAL	.2299	.2232	.2045	.2278	.2083	.1859	.2004	.1702	.1768	.1689	.1655	.1773	.1871	.1963	.2106
145	BITRAGN-MIN FRNTAL	.2499	.2285	.1982	.2605	.2332	.2217	.2407	.1988	.2244	.1950	.1830	.2332	.2374	.2407	.1699
146	BITRAG"N-SUBNASALE	.2531	.2350	.2009	.2535	.2165	.1966	.2211	.1865	.1927	.1686	.1462	.2251	.2162	.1912	.1789
147	BITRAGION-MENTON	.3201	.2855	.2512	.3235	.2761	.2492	.2776	.2412	.2467	.2201	.1930	.2752	.2651	.2464	.1858
148	BIT-SUBMANDIBULAR	.2965	.2712	.2403	.2964	.2420	.1977	.2293	.1887	.1938	.1724	.1296	.2351	.2203	.2349	.2349
149	BITRAG"N-POSTERIOR	.1789	.1716	.1487	.1768	.1590	.1311	.1522	.1357	.1441	.1196	.0976	.1468	.1424	.1135	.1231
150	HEAD LENGTH	.2162	.2047	.1774	.2324	.2183	.2076	.2023	.1787	.2010	.1749	.1695	.2011	.1965	.2023	.1776
151	HEAD DIAGNL/MENTON	.3344	.3041	.2743	.3410	.3085	.2922	.3020	.2735	.2815	.2622	.2649	.2825	.2830	.2950	.2654
152	HD DIAG/INION-NOSE	.1862	.1798	.1497	.1977	.1807	.1759	.1607	.1779	.1291	.1473	.1256	.1751	.1598	.1498	.1513
153	EAR BREADTH	.1567	.1457	.1244	.1610	.1402	.1411	.1356	.1163	.1291	.1065	.0839	.1276	.1141	.0960	.0927
154	EAR LENGTH	.2168	.1905	.1634	.2320	.1881	.1659	.1874	.1656	.1763	.1487	.1135	.1786	.1710	.1672	.1386
155	EAR L ABVE TRAGION	.1161	.1012	.0789	.1147	.1135	.1088	.1143	.1048	.1100	.0974	.0937	.0932	.0924	.1042	.1173
156	HEAD BREADTH	.1378	.1401	.1142	.1277	.0969	.0885	.1113	.0950	.0891	.0826	.0660	.1065	.1024	.1040	.0757
157	MAXIMUM FRONTAL BR	.1992	.1798	.1451	.1974	.1746	.1584	.1788	.1566	.1596	.1523	.1519	.1744	.1811	.1788	.1413
158	BITRAGION BREADTH	.1994	.1918	.1512	.1999	.1694	.1522	.1696	.1548	.1463	.1348	.0918	.1810	.1606	.1364	.1331
159	BIZYGOMATIC BR"DTH	.2096	.1989	.1667	.2081	.1690	.1417	.1703	.1499	.1392	.1297	.0988	.1760	.1651	.1491	.1254
160	BIGONIAL BREADTH	.1341	.1254	.1092	.1319	.0910	.0500	.0956	.0665	.0683	.0570	.0333	.0842	.0914	.0926	.0694
161	EAR-TO-EAR BREADTH	.2037	.1916	.1582	.1756	.1582	.1641	.1592	.1495	.1541	.1408	.1127	.1718	.1582	.1457	.1039
162	BIOCULAR BREADTH	.1182	.1036	.0774	.1168	.1009	.1062	.1160	.1122	.1134	.1014	.1125	.1238	.1314	.1377	.1003
163	INTERPUPILLARY BRD	.1440	.1268	.1062	.1420	.1350	.1382	.1501	.1400	.1469	.1330	.1292	.1449	.1528	.1471	.1250
164	INTEROCULAR BR"DTH	.0914	.0746	.0626	.1023	.0986	.1131	.1190	.1144	.1195	.1057	.0999	.1255	.1197	.1114	.0800
165	NOSE BREADTH	.0453	.0295	-.0059	.0691	.0436	.0536	.0519	.0501	.0537	.0342	-.0028	.0858	.0730	.0525	.0614
166	LIP LENGTH	.0738	.0669	.0435	.0903	.0737	.0653	.0512	.0530	.0605	.0389	.0325	.0743	.0743	.0589	.0514
167	EAR PROTRUSION	.0782	.0742	.0536	.0970	.0667	.0697	.0512	.0499	.0569	.0420	.0269	.0736	.0639	.0497	.0261
168	SUBNASALE-NASAL RT	.1680	.1543	.1174	.1801	.1582	.1673	.1488	.1346	.1525	.1297	.1210	.1614	.1435	.1363	.1285
169	PHILTRUM LENGTH	.0378	.0399	.0286	.0340	-.0034	.0027	.0046	-.0126	-.0005	-.0193	-.0241	.0225	.0191	.0422	.0171
170	LIP-TO-LIP LENGTH	.0258	.0045	-.0033	.0346	.0641	.0733	.0599	.0780	.0701	.0757	.1074	.0434	.0522	.0591	.0925
171	MENTON-SUBNASALE L	.1413	.1262	.1038	.1455	.1340	.1354	.1409	.1132	.1336	.1184	.1349	.1395	.1300	.1405	.1402
172	MENTON-NASAL ROOT	.2329	.2081	.1720	.2435	.2198	.2263	.2230	.1941	.2171	.1930	.1992	.2300	.2142	.2179	.2103
173	GLABELLA-TO-VERTEX	.0420	.0539	.0560	.0380	.0530	.0431	.0455	.0353	.0430	.0363	.0712	.0021	.0312	.0701	.0787
174	NASAL ROOT-TO-VRTX	.1050	.1062	.1024	.1105	.1223	.1086	.1093	.1062	.1033	.1020	.1270	.0651	.0976	.1350	.1358
175	XTRNL CANTHUS-VRTX	.1219	.1249	.1208	.1252	.1290	.1124	.1165	.1072	.1060	.0991	.1244	.0697	.1057	.1369	.1317
176	PRONASALE-TO-VRTX	.1120	.1117	.0967	.1229	.1173	.1173	.1125	.1076	.1130	.1017	.1273	.0738	.1035	.1426	.1471
177	SUBNASALE-TO-VRTX	.1498	.1455	.1278	.1616	.1657	.1482	.1446	.1385	.1431	.1315	.1589	.1040	.1355	.1890	.1712
178	STOMION-TO-VERTEX	.1626	.1543	.1339	.1754	.1745	.1625	.1549	.1461	.1537	.1372	.1637	.1182	.1490	.1739	.1817
179	MENTON-TO-VERTEX	.2043	.1882	.1671	.2171	.2149	.2016	.1985	.1789	.1924	.1752	.2006	.1679	.1859	.2196	.2140
180	TRAGION-TO-VERTEX	.1470	.1508	.1483	.1407	.1315	.1263	.1344	.1188	.1181	.1131	.1211	.1044	.1246	.1429	.1216

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
181 GLABELLA-TO-WALL	.2324	.2222	.1916	.2460	.2315	.2233	.2170	.1944	.2124	.1880	.1907	.2135	.2117	.2205	.1894
182 NASAL ROOT-TO-WALL	.2401	.2312	.2002	.2511	.2337	.2301	.2213	.1993	.2189	.1951	.1965	.2235	.2191	.2245	.1836
183 XTRNL CANTHUS-WALL	.1685	.1672	.1442	.1682	.1535	.1511	.1472	.1304	.1432	.1269	.1229	.1524	.1469	.1466	.1070
184 PRONASALE-TO-WALL	.2476	.2287	.1946	.2501	.2220	.2212	.2217	.1959	.2175	.1883	.1779	.2346	.2168	.1997	.1629
185 SUBNASALE-TO-WALL	.2136	.1990	.1719	.2116	.1890	.1876	.1896	.1691	.1820	.1626	.1492	.2051	.1844	.1661	.1334
186 LIP PROMIN"CE-WALL	.1994	.1795	.1535	.1967	.1739	.1726	.1805	.1610	.1700	.1553	.1362	.1962	.1746	.1569	.1300
187 CHIN PROMINCE-WALL	.2046	.1816	.1608	.1969	.1672	.1610	.1771	.1531	.1636	.1492	.1168	.1910	.1665	.1426	.1132
188 TRAGION-TO-WALL	.0849	.0869	.0800	.0699	.0616	.0644	.0597	.0521	.0541	.0515	.0441	.0674	.0530	.0504	.0231
189 GUESSED HEIGHT	.8859	.8025	.7352	.9360	.9077	.8948	.8890	.8463	.8588	.8510	.8343	.8305	.8365	.8201	.7259
190 GUESSED WEIGHT	.6027	.5451	.5084	.6006	.5292	.4715	.5511	.4893	.4685	.4537	.4094	.4916	.4993	.4728	.4380

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1	AGE	.0983	-.0542	-.0255	.0296	.0380	.0259	-.0005	-.1015	.0312	-.0345	.0259	.0482	.0264	-.0300	.0328
2	WEIGHT	.2063	.4568	.4119	.5065	.4862	.2656	.5386	.2991	.6363	.5653	.2907	.3995	.3871	.4136	.3989
3	SKF SUBSCAP"R-LNGE	-.0237	.0173	.0018	.1006	.1136	.1190	-.0675	-.0997	.2272	.1940	.0527	.0176	.0119	.0165	.0283
4	SKF TRICEPS-LANGE	-.0956	.0604	.0560	.1632	.1752	.1434	.1622	-.0295	.2790	.2843	.0487	.0858	.0934	.0919	.1173
5	SKF JUX"NIPPLE-LGE	-.0024	.0098	.0048	.1273	.1420	.1405	.1125	-.0871	.2678	.2289	.0718	.0523	.0498	.0414	.0726
6	SKF MAL XIPH"D-LGE	-.0456	-.0033	-.0119	.1067	.1280	.1226	.1006	-.0929	.2603	.2374	.0466	.0395	.0412	.0303	.0503
7	SKF SUPRAILIAC-LGE	-.0545	.0515	.0352	.1491	.1646	.1566	.1417	-.0449	.2962	.2808	.0551	.0467	.0543	.0618	.0573
8	SKF SUPRAPATELLA-L	-.1176	-.0447	-.0367	.1417	.1482	.1479	.1306	-.0786	.2345	.2186	.0011	.0276	.0261	.0570	.0859
9	SKF SUBSCAP"R-HARP	-.0091	-.0127	-.0228	.0846	.1025	.1123	.0630	-.1122	.2339	.2037	.0584	.0204	.0152	.0161	.0310
10	SKF TRICEPS-HARP"N	-.0465	.0362	-.0273	.1379	.1591	.1389	.1281	-.0673	.2791	.2712	.0482	.0668	.0606	.0650	.0921
11	SKF SUPRAILIAC-HPN	-.0619	.0483	.0321	.1509	.1667	.1650	.1363	-.0423	.2800	.2727	.0473	.0380	.0461	.0576	.0550
12	GRIP STRENGTH	.1424	.2767	.2627	.2552	.2271	.0767	.3435	.2860	.2629	.2426	.1318	.2562	.2383	.3443	.3044
13	HEIGHT (STATURE)	.4699	.7862	.7377	.6934	.6403	.1879	.8820	.8406	.7603	.6859	.4823	.7530	.7194	.7365	.7015
14	CERVICALE HEIGHT	.4594	.7309	.6925	.6899	.6354	.1744	.8981	.8467	.7797	.7094	.4911	.7687	.7332	.7503	.7175
15	ACROMION HEIGHT	.4588	.7076	.6691	.7122	.6927	.2388	.8339	.8251	.7839	.7066	.5110	.7714	.7437	.7346	.7031
16	RADIALE HEIGHT	.4347	.7167	.6764	.7344	.7153	.3646	.8281	.7574	.7344	.6650	.4000	.6162	.5835	.6629	.6255
17	STYLION HEIGHT	.3857	.6878	.6473	.7088	.6979	.4246	.7219	.6584	.6503	.5829	.3407	.4992	.4756	.4923	.4602
18	DACTYLION HEIGHT	.3189	.6503	.6139	.6853	.6792	.4600	.6440	.5774	.5980	.5439	.2911	.4196	.3927	.3976	.3678
19	SUPRASTERNALE HGHT	.4730	.7263	.6913	.6720	.6247	.1721	.8982	.8369	.7891	.7135	.4722	.7516	.7158	.7499	.7177
20	NIPPLE HEIGHT	.4710	.6814	.6499	.6414	.6048	.1579	.8770	.8434	.7661	.6954	.4698	.7374	.7070	.7324	.6974
21	WAIST HT-OMPHALION	.4904	.5795	.5440	.5272	.4848	.0107	.9041	.8828	.7898	.7178	.4888	.7675	.7391	.7616	.7260
22	ILIOCRISTALE HT	.4892	.5365	.5009	.5046	.4671	-.0139	.9376	.8836	.8334	.7605	.5061	.7831	.7509	.7823	.7543
23	BUTTOCK HEIGHT	.5022	.4639	.4243	.4342	.3959	-.0760	.9049	.8805	.8134	.7438	.4812	.7557	.7339	.7524	.7367
24	TROCHANTERION HGHT	.4844	.4897	.4575	.4520	.4140	-.0649	.9219	.8931	.7976	.7253	.4956	.7709	.7457	.7768	.7474
25	GLUTEAL FURROW HGT	.4863	.4625	.4284	.4282	.3918	-.0897	.9214	.9045	.7921	.7258	.4739	.7769	.7467	.7734	.7515
26	CROTCH HEIGHT	.4518	.4525	.4237	.4091	.3717	-.0339	.8921	.8802	.7721	.7043	.4546	.7293	.7233	.7484	.7250
27	PATELLA TOP HEIGHT	.5088	.4697	.4395	.4340	.3958	-.0556	.9457	.8832	.7601	.6783	.4334	.7356	.6925	.7755	.7481
28	KNEE CIRC HEIGHT	.4942	.4730	.4422	.4442	.4068	-.0465	.9430	.8877	.7590	.6865	.4607	.7356	.7045	.7639	.7346
29	FIBULAR HEIGHT	.4531	.4676	.4330	.4391	.4022	-.0542	.9211	.8896	.7322	.6668	.4342	.7331	.7150	.7474	.7270
30	CALF HEIGHT	.4688	.4013	.3699	.3826	.3492	-.0479	.8149	.7794	.6858	.6146	.4347	.6459	.6327	.6589	.6408
31	ANKLE HEIGHT		.2712	.2331	.1976	.1732	-.0592	.4817	.4942	.4095	.3179	.2984	.3803	.3481	.4105	.4066
32	SITTING HEIGHT	.2712		.9302	.8126	.7780	.5634	.5148	.4845	.3917	.3541	.3141	.4573	.4283	.4340	.3787
33	EYE HEIGHT/SITTING	.2331	.9302		.8309	.7415	.5541	.4876	.4371	.3897	.3375	.2941	.4067	.4067	.3699	.3527
34	MIDSHOULDER HT/SIT	.1976	.8126	.8309		.9624	.7887	.4849	.4199	.3675	.3321	.2987	.4396	.4189	.3939	.3559
35	ACROMION H"GHT/SIT	.1732	.7780	.7415	.9624		.7415	.4452	.3803	.3382	.3064	.3173	.4266	.4190	.3619	.3218
36	ELBOW REST HGT/SIT	-.0592	.5634	.5541	.7887	.7415		-.0140	-.0811	-.0724	-.0676	-.0680	-.1585	-.1395	-.0326	-.1098
37	KNEE HEIGHT/SIT"G	.4817	.5148	.4876	.4849	.4452	-.0140		.9060	.7851	.7145	.4645	.7500	.7207	.7826	.7591
38	POPLITEAL HGHT/SIT	.4942	.4845	.4371	.4199	.3803	-.0811	.9060		.6448	.5979	.4497	.7166	.7000	.7669	.7186
39	BUTTOCK-KNEE LNGTH	.4095	.3917	.3897	.3675	.3382	-.0724	.7851	.6448		.8369	.4367	.6967	.6522	.6260	.6456
40	BUTTOCK-POPLITEAL	.3179	.3541	.3375	.3321	.3064	-.0676	.7145	.5979	.8369		.3800	.6115	.5767	.5748	.5757
41	ACRM-BICEP CIR LVL	.2984	.3141	.2941	.2987	.3173	-.0680	.4645	.4497	.4367	.3800		.6226	.6435	.4079	.3977
42	SHOULDER-ELBOW LTH	.3803	.4573	.4067	.4396	.4266	-.1585	.7500	.7166	.6967	.6115	.6226		.9095	.6788	.6864
43	ACROMION-RADIALE L	.3481	.4283	.4067	.4189	.4190	-.1395	.7207	.7000	.6522	.5767	.6435	.9095		.6736	.6519
44	ELBOW-WRIST LENGTH	.4105	.4340	.3699	.3939	.3619	-.0326	.7826	.7669	.6260	.5748	.4079	.6788	.6736		.8447
45	RADIALE-STYLION LH	.4066	.3787	.3527	.3559	.3218	-.1098	.7591	.7186	.6456	.5757	.3977	.6864	.6519	.8447	

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	ELBOW-GRIP LENGTH	.4543	.4613	.3961	.4182	.3823	-.0519	.7817	.7742	.6238	.5626	.4209	.6743	.6720	.8994	.8165
47	THUMB-TIP REACH	.3803	.4138	.3922	.3921	.3482	-.0754	.7002	.6465	.6041	.5467	.4112	.6752	.6466	.6865	.6625
48	THUMB-TIP R"CH/XTD	.3716	.3947	.3654	.3612	.3192	-.0778	.6461	.6102	.5653	.5058	.3861	.6374	.6162	.6370	.6283
49	SLEEVE INSEAM	.3919	.3938	.3687	.3350	.2957	-.2004	.7380	.7397	.6179	.5623	.4644	.7727	.7534	.7622	.7495
50	BIACROMIAL BREADTH	.2470	.3491	.2964	.2458	.1478	-.0585	.3745	.3523	.2954	.2891	.1551	.2748	.2417	.3579	.3173
51	BIDELTOID BREADTH	.2782	.2782	.2598	.2840	.2676	.1363	.3398	.3159	.3859	.3342	.1908	.2515	.2471	.2619	.2657
52	CHEST BREADTH	.1399	.2174	.1887	.2811	.2911	.1837	.3068	.1202	.3887	.3342	.1504	.2151	.2217	.2405	.2517
53	WAIST BRDTH-OMPH"N	.1531	.2156	.1835	.3043	.3076	.1730	.3585	.1334	.4901	.4328	.1935	.2559	.2490	.2506	.2687
54	BICRISTALE BREADTH	.1714	.2085	.1827	.2592	.2529	.0753	.3769	.2167	.4438	.3886	.2068	.3178	.3221	.2825	.2721
55	HIP BREADTH	.1420	.3755	.3477	.4188	.4092	.2253	.4283	.2211	.5502	.5062	.2330	.3321	.3197	.3478	.3296
56	HIP BREADTH SITT"G	.1104	.3333	.3078	.3973	.3916	.2349	.4084	.1722	.5479	.5096	.2251	.2997	.2842	.2993	.3057
57	ELBOW BRDTH BONE/R	.2576	.3718	.3477	.3736	.3545	.1414	.4156	.3344	.3611	.2889	.1915	.3579	.3393	.4003	.3742
58	ELBOW BRDTH BONE/L	.2619	.3992	.3773	.4003	.3754	.1526	.4436	.3562	.3596	.2950	.2154	.3802	.3553	.4063	.3898
59	F"ARM-F"ARM BR"DTH	.0592	.1522	.1350	.2169	.2373	.1858	.2597	.0844	.3581	.3131	.0866	.1376	.1724	.2127	.1977
60	KNEE BR"DTH BONE/R	.2453	.4604	.4271	.4453	.4247	.2332	.4530	.3159	.4222	.3480	.2440	.3450	.3154	.3359	.3048
61	KNEE BR"DTH BONE/L	.2462	.4709	.4376	.4574	.4370	.2409	.4416	.3262	.4222	.3596	.2542	.3558	.3261	.3415	.3110
62	CHEST DEPTH	.1381	.1299	.1065	.1992	.2008	.0938	.2853	.0777	.4168	.3557	.1488	.2092	.2055	.2122	.2208
63	WAIST DEPTH-OMPH"N	.1004	.1039	.0826	.1962	.2023	.1387	.2240	.0059	.3816	.3182	.1065	.1339	.1349	.1343	.1500
64	BUTTOCK DEPTH	.0964	.1959	.1662	.2772	.2764	.2143	.2697	-.0385	.4507	.3982	.1314	.1425	.1317	.1509	.1876
65	THIGH CLEARANCE HT	-.0482	.2062	.2233	.2935	.2896	.2055	.2368	-.0087	.3017	.3396	.0876	.1035	.1020	.0874	.1050
66	NECK CIRC -MAXIMUM	.1124	.2457	.2038	.3125	.2894	.2055	.2368	-.0753	.3772	.3490	.1153	.1641	.1633	.1515	.1514
67	SHOULDER CIRCUM"CE	.1324	.2907	.2605	.3367	.3201	.1685	.3582	.1815	.4352	.3943	.1891	.2734	.2750	.2983	.2846
68	CHEST CIRC AT SCYE	.2110	.2134	.1724	.2473	.2483	.1193	.3297	.1459	.4441	.3802	.1685	.2416	.2485	.2714	.2555
69	CHEST CIRCUMF"ENCE	.1817	.1710	.1378	.2373	.2488	.1275	.3220	.1143	.4553	.3909	.1616	.2358	.2399	.2574	.2465
70	WAIST CIR-OMPHAL"N	.0928	.1667	.1450	.2733	.2806	.1790	.3079	.0675	.4516	.4015	.1585	.2032	.1972	.1980	.2090
71	WAIST CIR-OMPH/SIT	.0867	.1318	.1097	.2311	.2372	.1528	.2581	.0394	.4137	.3632	.1387	.1726	.1678	.1653	.1791
72	BUTTOCK CIRCUMF"CE	.1170	.3473	.3171	.4111	.4041	.2611	.3952	.1487	.5640	.5167	.2037	.2722	.2631	.2882	.2840
73	BUTTOCK CIRCUM/SIT	.0902	.3055	.2843	.3899	.3812	.2486	.3801	.1326	.5238	.4755	.1871	.2586	.2537	.2610	.2709
74	VERTICAL TRUNK CIR	.2509	.6887	.6517	.7562	.7617	.5184	.5071	.3312	.5556	.4791	.3107	.4174	.3992	.3973	.3747
75	VERT TRUNK CIR/SIT	.2771	.7139	.6790	.7853	.7620	.5419	.5067	.3544	.5261	.4579	.3084	.4293	.4026	.3998	.3702
76	SCROTALE-ANT WAIST	.2058	.4627	.4236	.4589	.4368	.3116	.3089	.2204	.3111	.2556	.1893	.2486	.2313	.2297	.2230
77	SCROTALE-A WAIST/S	.1710	.5420	.5204	.5318	.5033	.3637	.3190	.2677	.2998	.2400	.1754	.2659	.2369	.2542	.2349
78	SCRTL-SUPRASTERNLE	.2103	.6279	.5001	.6216	.5947	.4402	.3382	.2534	.4033	.3448	.2088	.3066	.2796	.3041	.2917
79	SCRTL-SUPRSTRNLE/S	.1923	.7230	.7097	.6955	.6610	.4860	.4188	.3239	.3656	.3121	.2079	.3397	.3040	.3324	.3125
80	SCRTL-ANT SCYE LVL	.1912	.6326	.5002	.6804	.6835	.5239	.3462	.2640	.3508	.3055	.1922	.2978	.2725	.2760	.2613
81	SCRTL-ANT SCYE L/S	.1516	.6751	.6614	.7011	.6773	.5418	.4359	.3044	.2780	.2330	.1625	.2920	.2613	.2773	.2707
82	SCRTL-A MIDSHOULDR	.1672	.6235	.5964	.6891	.6835	.4939	.4502	.2816	.4377	.3787	.2475	.3656	.3522	.3327	.3214
83	SCRTL-A MDSHLDR/S	.1498	.6978	.6802	.7554	.7426	.5380	.4602	.3504	.4070	.3589	.2603	.4021	.3841	.3661	.3473
84	SCROTALE-PST WAIST	.1105	.3058	.2782	.3365	.3265	.2505	.2939	.0874	.3948	.3672	.1407	.1585	.1511	.1667	.1406
85	SCRTL-WAIST OVR BK	.1414	.3667	.3353	.3719	.3519	.3265	.2014	.1496	.4050	.3678	.1632	.1977	.1718	.2099	.1016
86	SCROTALE-P WAIST/S	.1460	.2997	.2776	.3233	.3170	.2542	.2270	.0865	.2759	.2658	.1505	.1380	.1356	.1138	.1150
87	SCRTL-WAIST/BUTT/S	.1459	.3346	.3062	.3477	.3426	.2575	.2270	.1112	.3030	.2976	.1693	.1571	.1458	.1423	.1150
88	SCROTALE-CERVICALE	.1705	.6203	.5870	.6483	.6116	.4356	.4339	.2703	.4929	.4490	.2537	.3455	.3236	.3252	.2933
89	SCROTALE-CERVCLE/S	.2033	.6102	.5748	.6463	.6119	.4431	.4137	.2617	.4492	.4165	.2663	.3369	.3194	.3012	.2795
90	SCRTL-PST SCYE LVL	.1128	.5568	.5226	.6161	.6090	.4924	.3408	.1987	.4115	.3753	.2139	.2592	.2556	.2403	.2077

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
91 SCRTL-PST SCYE L/S	.1484	.5361	.5000	.6040	.6002	.4942	.3211	.1897	.3638	.3385	.2157	.2424	.2436	.2129	.1921
92 SCRTL-P MIDSHOULDR	.2290	.5938	.5545	.6396	.6088	.4443	.4223	.2518	.5132	.4549	.2652	.3336	.3126	.3232	.2897
93 SCRTL-MDSHLD OVR B	.2412	.6256	.5865	.6617	.6254	.4495	.4382	.2857	.5039	.4417	.2713	.3474	.3151	.3403	.3047
94 SCRTL-P MDSHLDR/S	.2512	.5615	.5214	.6260	.5952	.4374	.4083	.2481	.4669	.4200	.2649	.3178	.3029	.2998	.2765
95 SCRTL-MDSHLD O B/S	.2616	.6000	.5602	.6640	.6326	.4592	.4347	.2811	.4567	.4322	.2824	.3450	.3241	.3279	.2994
96 UPPER THIGH CIRCUM	.0649	.2376	.1997	.2974	.2964	.2280	.2767	.0389	.4746	.4175	.1371	.1414	.1417	.1806	.1735
97 UPPER THIGH C/SIT	.0705	.2478	.2118	.3159	.3128	.2307	.3078	.0678	.5350	.4321	.1478	.1658	.1703	.2098	.2029
98 KNEE CIRCUMFERENCE	.1793	.3890	.3570	.4237	.4084	.2421	.4753	.2078	.5742	.4668	.2395	.3130	.2914	.3328	.3183
99 KNEE CIRCUM"CE/SIT	.2136	.3708	.3364	.4137	.3981	.2158	.4948	.2312	.4839	.4839	.2497	.3346	.3182	.3514	.3463
100 CALF CIRCUMF/RIGHT	.0450	.2473	.2175	.2719	.2586	.1709	.3167	.0855	.3906	.3253	.1427	.1625	.1558	.2010	.1997
101 CALF CIRCUMF/LEFT	.0477	.2626	.2301	.2851	.2723	.1780	.3430	.1031	.3902	.3382	.1526	.1787	.1684	.2131	.2065
102 ANKLE CIRCUMF"ENCE	.1037	.3314	.2959	.3424	.3222	.2097	.3775	.1635	.3729	.3065	.1878	.2090	.1860	.2332	.2252
103 SCYE CIRCUMFERENCE	.1766	.3195	.2837	.3614	.3425	.1470	.1969	.2046	.4476	.3899	.2406	.3393	.3266	.3135	.2875
104 BICEPS C-EXTEND/RT	.0197	.1846	.1595	.2446	.2420	.2120	.2022	-.0168	.3235	.2850	-.0112	.0855	.0888	.1510	.1353
105 BICEPS C-EXTEND/LT	.0311	.1740	.1478	.2354	.2293	.1927	.2219	-.0132	.3357	.3012	.0492	.0885	.0905	.1334	.1270
106 BICEPS C-FLEXED/RT	.0283	.2115	.1878	.2545	.2414	.2026	.2292	.0201	.3217	.2864	.0311	.0945	.0985	.1860	.1589
107 BICEPS C-FLEXED/LT	.0454	.2055	.1794	.2543	.2402	.1940	.3524	.0266	.3390	.3071	.0670	.1059	.1064	.1711	.1442
108 ELBOW CIR-EXTENDED	.1574	.3492	.3218	.3852	.3652	.2438	.3901	.1599	.4112	.3475	.1592	.2399	.2262	.3068	.2703
109 ELBOW CIRC-FLEXED	.2407	.3175	.2870	.3187	.3001	.1306	.3067	.2674	.4067	.3392	.1417	.2941	.2872	.3612	.3244
110 LOWER ARM C-EXTEND	.1409	.3223	.2928	.3562	.3400	.2385	.3310	.1086	.3747	.3096	.1303	.2068	.1889	.2612	.2171
111 LOWER ARM C-FLEXED	.1585	.3084	.2822	.3333	.3163	.1944	.3635	.1634	.3605	.2978	.1247	.2236	.2173	.2753	.2458
112 WRIST CIRCUMF"ENCE	.1723	.3482	.3358	.3745	.3476	.1966	.2956	.2216	.3278	.2542	.1586	.2756	.2646	.3363	.3218
113 SLVE L/SPINE-SCYE	.1498	.2808	.2597	.2923	.2751	.1424	.6412	.1825	.2814	.2392	.1783	.2342	.2425	.2169	.2138
114 SLVE L/SPINE-ELBOW	.2999	.4687	.4430	.4369	.3939	-.0396	.6472	.5561	.5876	.5211	.4522	.6958	.6614	.5602	.5544
115 SLVE L/SPINE-WRIST	.3718	.5105	.4823	.4769	.4329	-.0492	.7412	.7010	.6860	.6211	.4765	.7757	.7459	.7639	.7351
116 ANTERIOR NECK LGTH	.1334	.3203	.3128	.1796	.1560	.0440	.1319	.2538	.0544	.0548	.1714	.1906	.1911	.1311	.0941
117 POSTERIOR NECK LTH	.0374	.2704	.2760	.1276	.1167	.0711	.1033	.1468	.0447	.0507	.0499	.0913	.0961	.0874	.0813
118 SHOULDER LENGTH	.1652	.2852	.2663	.2323	.0980	-.0579	.3109	.2929	.2684	.2575	.0811	.2348	.1933	.2737	.2733
119 DELTOID ARC	.2030	.3212	.3086	.3479	.3756	-.0918	.3987	.3742	.3489	.3201	.4769	.4815	.4934	.3176	.3051
120 INTERSCYE	.2114	.0658	.0301	.0278	.0037	-.0880	.1549	.0742	.2561	.2102	.1015	.1226	.1406	.1480	.1523
121 INTERSCYE MAXIMUM	.1977	.3938	.3752	.4061	.3710	.1603	.4523	.2984	.4499	.4049	.2204	.3649	.3486	.3693	.3435
122 WAIST FRONT-OMPH"N	.1150	.5096	.5034	.5074	.4858	.3772	.3034	.1608	.3008	.2740	.1290	.2226	.1944	.2377	.2270
123 CROTCH LGTH-OMPH"N	.1962	.4362	.3982	.4751	.4555	.3264	.3527	.1804	.4556	.3915	.2245	.2536	.2367	.2517	.2401
124 WAIST BACK-OMPHL"N	.1531	.6707	.6506	.6837	.6313	.4215	.4378	.3654	.3484	.3121	.2614	.3972	.3668	.3504	.3368
125 FOOT LENGTH	.4141	.4785	.4497	.4238	.3818	.0455	.6919	.5293	.5957	.5102	.3333	.5606	.5292	.6088	.5783
126 INSTEP LENGTH	.3251	.4175	.3989	.3705	.3370	.0353	.6301	.5479	.5537	.4784	.2408	.5056	.4656	.5601	.5298
127 FOOT BREADTH	.2578	.3809	.3517	.3565	.3254	.1447	.4213	.3430	.3569	.3033	.2169	.3059	.2940	.3470	.3263
128 BALL-OF-FOOT CIRC	.3237	.3937	.3564	.3652	.3299	.1398	.4536	.3478	.4104	.3303	.2416	.3259	.3040	.3614	.3540
129 INSTEP CIRCUMF"NCE	.3339	.3776	.3439	.3574	.3290	.1264	.5010	.3709	.4645	.3743	.2542	.3538	.3311	.3878	.3756
130 HEEL CIRCUMFERENCE	.3893	.4953	.4561	.4685	.4282	.1380	.6654	.5293	.5862	.4987	.3425	.5033	.4804	.5260	.5011
131 BI-MALLEOLAR BROTH	.3964	.4257	.3896	.3602	.3238	.1151	.4468	.3637	.4103	.3043	.2573	.3622	.3204	.3761	.3630
132 LAT"L MALLEOLUS HT	.3940	.3265	.2872	.2937	.2845	.0951	.4684	.4222	.3599	.2991	.2565	.3166	.2984	.3215	.2878
133 MED"L MALLEOLUS HT	.3337	.4025	.3708	.3624	.3411	.1645	.4220	.3759	.2719	.2181	.2163	.3012	.2805	.3001	.2721
134 HAND LENGTH	.4446	.4506	.4155	.3967	.3596	.0164	.6539	.6253	.5432	.4504	.3470	.5565	.5402	.6427	.6125
135 PALM LENGTH	.3769	.3671	.3408	.3193	.2903	.0084	.5378	.5132	.4537	.3735	.2937	.4610	.4494	.5348	.5084

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
136	HAND BR/METACARPLE	.2184	.3643	.3375	.3776	.3525	.1671	.4002	.3191	.3166	.2649	.1737	.3232	.3043	.3840	.3600
137	HAND BRTH AT THUMB	.2625	.3907	.3543	.3689	.3321	.1335	.4295	.3491	.3641	.2855	.2140	.3474	.3324	.4120	.3798
138	HAND C/METACARPALE	.2715	.3721	.3441	.3683	.3418	.1491	.4081	.3103	.3575	.2815	.1993	.3308	.3070	.4004	.3630
139	HAND C ROUND THUMB	.2770	.4119	.3758	.4009	.3667	.1810	.4244	.3044	.3819	.2996	.2052	.3291	.3076	.3964	.3702
140	HAND THICK/META-3	.0529	.1983	.2043	.2369	.2305	.1343	.1877	.1226	.1445	.1130	.0991	.1702	.1650	.1716	.1614
141	HEAD CIRCUMFERENCE	.1561	.2870	.2068	.2430	.2230	.0918	.2704	.1937	.2680	.2244	.1427	.2181	.2016	.2109	.1966
142	SAGITTAL ARC/INION	-.0093	.1936	.1356	.1449	.1305	.0833	.1152	.0913	.0732	.0739	.0418	.0724	.0875	.0537	.0658
143	MINIMUM FRONTL ARC	.0903	.0668	.0278	.0499	.0568	.0083	.0841	.0265	.0844	.0744	.1302	.0689	.0671	.0706	.0504
144	BITRAGION-CORONAL	.0542	.2805	.1642	.2081	.1979	.0927	.1822	.1687	.1832	.1887	.1537	.1629	.1614	.1615	.1327
145	BITRAGN-MIN FRNTAL	.1014	.2403	.1825	.2294	.2169	.0827	.2708	.1990	.2145	.2104	.1476	.2081	.2020	.2049	.1890
146	BITRAG"N-SUBNASALE	.1801	.2209	.1792	.2196	.2044	.0394	.2432	.1512	.2629	.2654	.1741	.1757	.1712	.2211	.1953
147	BITRAGION-MENTON	.1975	.3063	.2614	.3081	.2889	.1484	.3039	.1906	.3175	.2401	.1360	.2448	.2337	.2731	.2435
148	BIT-SUBMANDIBULAR	.1883	.2902	.2538	.2766	.2568	.1467	.2452	.1223	.2983	.1682	.1086	.2009	.1722	.2155	.1737
149	BITRAG"N-POSTERIOR	.1245	.2643	.1403	.1590	.1448	.0550	.1528	.0917	.2965	.1571	.1080	.1467	.1080	.1237	.1039
150	HEAD LENGTH	.1338	.2444	.1934	.1898	.1775	.0747	.2212	.1754	.2082	.1571	.1297	.1738	.1605	.1773	.1531
151	HEAD DIAGNL/MENTON	.1519	.3974	.3193	.3024	.2766	.1387	.3287	.2522	.2996	.2575	.1614	.2514	.2372	.2613	.2418
152	HD DIAG/INION-NOSE	.1582	.1728	.1144	.1442	.1303	.0416	.1831	.1400	.1853	.1364	.0832	.1244	.1222	.1798	.1641
153	EAR BREADTH	.1706	.1411	.1175	.1288	.1171	.0478	.1380	.0980	.1640	.1416	.1111	.1232	.1075	.1228	.1227
154	EAR LENGTH	.1428	.2030	.1907	.2144	.1980	.0886	.1322	.0972	.0943	.1676	.1154	.2016	.1700	.1570	.1867
155	EAR L ABVE TRAGION	.0852	.0851	.0799	.1011	.0930	.0328	.1128	.0752	.1412	.0785	.0678	.0978	.1042	.1011	.1265
156	HEAD BREADTH	.0571	.1316	.0752	.1334	.1234	.0555	.1318	.1444	.1412	.1223	.0515	.1187	.1025	.0825	.0828
157	MAXIMUM FRONTAL BR	.0490	.1811	.1492	.2050	.1925	.0834	.2034	.1062	.1505	.1601	.0945	.1636	.1641	.1791	.1693
158	BITRAGION BREADTH	.2138	.1581	.1214	.1752	.1682	.0596	.1934	.0975	.2292	.1611	.0958	.1837	.1573	.1552	.1746
159	BIZYGOMATIC BR"DTH	.1220	.1847	.1499	.2188	.2035	.1046	.1984	.0032	.2210	.1720	.0859	.1682	.1484	.1410	.1576
160	BIGONIAL BREADTH	-.0269	.1183	.1105	.2046	.1971	.1590	.1275	.1359	.1182	.0980	.0213	.0802	.0714	.0681	.1019
161	EAR-TO-EAR BREADTH	.1479	.2048	.1705	.1998	.1841	.0772	.1800	.1071	.1745	.1633	.0901	.1849	.1513	.1491	.1719
162	BIOCULAR BREADTH	.0460	.0987	.0763	.1094	.0967	.0301	.1466	.1156	.1045	.1010	.0735	.0982	.1086	.1067	.1164
163	INTERPUPILLARY BRD	.0598	.0863	.0621	.1059	.0970	.0081	.1578	.1059	.1320	.1216	.0996	.1325	.1330	.1265	.1335
164	INTEROCULAR BR"DTH	.1388	.0256	.0000	.0180	.0182	-.0667	.1264	-.0311	.1219	.0903	.1075	.1115	.1201	.1269	.1139
165	NOSE BREADTH	.1485	.0253	.0031	.0215	.0077	-.0314	.0732	.0347	.0993	.0318	.0695	.0586	.0699	.1116	.1046
166	LIP LENGTH	.0840	.1043	.0925	.1125	.0980	.0454	.0762	.0572	.0751	.0339	.0568	.0893	.0811	.0794	.0828
167	EAR PROTRUSION	.1059	.1067	.0916	.0899	.0794	.0357	.0739	.1390	.0699	.0702	.0474	.0798	.0631	.0717	.0923
168	SUBNASALE-NASAL RT	.2033	.1615	.1716	.1188	.1061	.0185	.1529	-.0238	.1536	.0998	.0792	.1540	.1306	.1299	.1401
169	PHILTRUM LENGTH	.0137	.0645	.0645	.0770	.0637	.0623	.0440	.0880	-.0294	-.0004	.0035	.0045	.0412	.0125	.0224
170	LIP-TO-LIP LENGTH	.0048	.0234	.0104	-.0243	-.0321	-.0658	.0528	.1149	.0498	.0650	.0778	.0272	.0412	.0972	.1138
171	MENTON-SUBNASALE L	.0569	.1574	.1290	.1075	.0977	.0192	.1658	.1930	.1577	.1388	.1217	.1189	.1146	.1420	.1965
172	MENTON-NASAL ROOT	.1568	.2532	.2153	.1799	.1651	.0323	.2471	.1930	.2272	.1875	.0563	.2110	.1957	.2147	.1965
173	GLABELLA-TO-VERTEX	-.0863	.1415	.0606	.0896	.0837	.0787	.0490	.0637	-.0247	.0060	.0914	.0051	.0412	-.0217	-.0095
174	NASAL ROOT-TO-VRTX	-.0267	.1981	.1105	.1255	.1157	.0774	.1126	-.0355	-.0355	.0604	.0917	.0598	.0917	-.0356	-.0386
175	XTRNL CANTHUS-VRTX	-.0144	.2144	.1021	.1418	.1345	.0922	.1176	.1211	.0460	.0806	.0857	.0665	.1017	.0356	.0395
176	PRONASALE-TO-VRTX	-.0099	.2158	.1373	.1409	.1277	.0764	.1212	.1361	.0350	.0533	.0955	.0805	.1243	.0448	.0554
177	SUBNASALE-TO-VRTX	.0041	.2543	.1683	.1738	.1589	.0919	.1519	.1656	.0610	.0787	.1083	.1036	.1260	.0671	.0784
178	STOMION-TO-VERTEX	.0472	.2705	.1828	.1837	.1653	.0936	.1694	.1726	.0750	.0903	.1112	.1074	.1656	.0884	.0902
179	MENTON-TO-VERTEX	.0339	.3014	.2063	.2030	.1861	.0828	.2165	.2022	.1346	.1420	.1337	.1529	.1103	.1488	.1366
180	TRAGION-TO-VERTEX	.0339	.2182	.0803	.1236	.1207	.0595	.1383	.1251	.1084	.1218	.0861	.1008	.1103	.0789	.0596

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
181 GLABELLA-TO-WALL	.1322	.2648	.2053	.2068	.1904	.0888	.2412	.1966	.2145	.1682	.1306	.1697	.1657	.1871	.1659
182 NASAL ROOT-TO-WALL	.1288	.2593	.2036	.2027	.1865	.0847	.2446	.1991	.2234	.1764	.1272	.1692	.1658	.1911	.1642
183 XTRNL CANTHUS-WALL	.1080	.1656	.1274	.1304	.1205	.0570	.1660	.1200	.1706	.1219	.0837	.1051	.1015	.1257	.0996
184 PRONASALE-TO-WALL	.1791	.2254	.1906	.1911	.1765	.0739	.2378	.1765	.2529	.1918	.1161	.1801	.1651	.2240	.1956
185 SUBNASALE-TO-WALL	.1707	.1829	.1517	.1464	.1363	.0512	.2035	.1448	.2355	.1769	.1037	.1522	.1356	.1997	.1688
186 LIP PROMIN"CE-WALL	.1565	.1569	.1274	.1329	.1232	.0416	.1944	.1304	.2343	.1735	.0993	.1451	.1332	.2043	.1672
187 CHIN PROMINCE-WALL	.1619	.1458	.1242	.1545	.1497	.0638	.1861	.1122	.2417	.1801	.0999	.1612	.1440	.2065	.1778
188 TRAGION-TO-WALL	.0778	.0885	.0651	.0534	.0497	.0399	.0585	.0364	.1186	.0654	.0341	.0392	.0265	.0566	.0487
189 GUESSED HEIGHT	.4573	.7446	.6950	.6585	.6074	.1548	.8508	.8179	.7536	.6758	.4674	.7304	.6962	.7249	.6845
190 GUESSED WEIGHT	.2316	.4938	.4493	.5362	.5129	.2691	.5799	.3548	.6530	.5807	.3108	.4367	.4216	.4532	.4369

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

#	Variable	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1	AGE	-.0198	.0968	.0253	-.0300	.0025	.0972	.1988	.2138	.1942	.1045	.1126	.1410	.1196	.1280	-.0073
2	WEIGHT	.4085	.4138	.3821	.2780	.4516	.7957	.7494	.8515	.6490	.8094	.8550	.4474	.4632	.7042	.6242
3	SKF SUBSCAP"R-LNGE	-.0075	.0471	.0457	-.0501	.1639	.4953	.4632	.6252	.4272	.4347	.4991	.0877	.0660	.4489	.2066
4	SKF TRICEPS-LANGE	.0723	.1342	.1082	-.0396	.0893	.4717	.4068	.5829	.4722	.5350	.5894	.1265	.1287	.3977	.2205
5	SKF JUX"NIPPLE-LGE	.0258	.0896	.0755	-.0330	.0930	.5228	.5101	.6894	.5068	.5221	.5838	.1172	.1126	.4585	.2188
6	SKF MAL XIPH"D-LGE	.0059	.0713	.0614	-.0508	.1341	.5291	.5457	.7175	.4593	.5224	.5954	.1221	.1081	.5025	.2374
7	SKF SUPRAILIAC-LGE	.0429	.0830	.0620	-.0262	.1495	.5291	.5169	.7065	.3520	.5349	.6081	.1192	.1090	.4990	.2627
8	SKF SUPRAPATELLA-L	.0311	.0927	.0550	-.0307	.1081	.4028	.3911	.5027	.4233	.4669	.5123	.1591	.1633	.4066	.2520
9	SKF SUBSCAP"R-HARP	-.0105	.0550	.0467	-.0514	.1363	.4919	.4807	.6470	.4321	.4588	.5226	.0864	.0656	.4584	.2120
10	SKF TRICEPS-HARP"N	.0494	.1072	.0971	.0062	.0939	.4251	.4381	.6882	.4233	.5123	.6047	.1333	.1209	.4077	.2276
11	SKF SUPRAILIAC-HPN	.0425	.0813	.0672	-.0271	.1406	.5131	.4966	.6196	.4321	.5523	.5980	.1181	.1136	.4874	.2645
12	GRIP STRENGTH	.3394	.2958	.2794	.2359	.2863	.3204	.2853	.2372	.2134	.2442	.2273	.3068	.3189	.2859	.3304
13	HEIGHT (STATURE)	.7531	.6758	.5370	.7117	.3777	.3017	.2607	.2871	.3413	.4142	.3718	.4319	.4533	.2018	.4576
14	CERVICALE HEIGHT	.7610	.6934	.6425	.7223	.3745	.3122	.2680	.3168	.3609	.4270	.3911	.4321	.4476	.2194	.4508
15	ACROMION HEIGHT	.7466	.6664	.6225	.6885	.3159	.3263	.3038	.3498	.3487	.4485	.4187	.4237	.4396	.2516	.4533
16	RADIALE HEIGHT	.6763	.5840	.5402	.5675	.2907	.3271	.3123	.3585	.3103	.4516	.4284	.4084	.4191	.2707	.4515
17	STYLION HEIGHT	.5303	.4495	.4282	.3956	.2256	.2903	.2845	.3226	.3515	.4071	.3867	.3573	.3660	.2433	.4313
18	DACTYLION HEIGHT	.4104	.3570	.3357	.3169	.1882	.2703	.2643	.3434	.2870	.3827	.3759	.2932	.3026	.2284	.3843
19	SUPRASTERNALE HGHT	.7538	.6799	.6347	.7165	.3813	.3353	.2966	.2598	.3515	.4502	.4164	.4399	.4548	.2455	.4587
20	NIPPLE HEIGHT	.7431	.6547	.6147	.7117	.3353	.2767	.2328	.2328	.2870	.3802	.3394	.3989	.4094	.1900	.4136
21	WAIST HT-OMPHALION	.7713	.6750	.6341	.7448	.3390	.2431	.2015	.2148	.2444	.3417	.2946	.3857	.4004	.1618	.3815
22	ILIOCRISTALE HT	.7871	.7048	.6556	.7567	.3446	.3031	.2679	.3396	.3405	.4156	.3896	.3975	.4122	.2298	.3989
23	BUTTOCK HEIGHT	.7660	.6768	.6376	.7390	.3128	.2542	.2317	.2613	.3248	.3512	.3249	.3592	.3724	.2053	.3463
24	TROCHANTERION HGHT	.7772	.6922	.6452	.7629	.3116	.2310	.2036	.2502	.2995	.3379	.3080	.3653	.3796	.1638	.3555
25	GLUTEAL FURROW HGT	.7740	.6839	.6458	.7658	.3042	.2310	.2002	.2502	.2957	.2964	.2681	.3449	.3619	.1681	.3177
26	CROTCH HEIGHT	.7499	.6607	.5169	.7534	.2823	.1857	.1560	.1945	.2677	.2828	.2512	.3283	.3509	.1301	.3118
27	PATELLA TOP HEIGHT	.7709	.6788	.6255	.7294	.3377	.2656	.2455	.2902	.3383	.3499	.3130	.3959	.4129	.1982	.3734
28	KNEE CIRC HEIGHT	.7690	.6794	.6250	.7268	.3299	.2592	.2452	.2994	.3411	.3570	.3247	.3899	.4082	.2050	.3663
29	FIBULAR HEIGHT	.7510	.6776	.6240	.7268	.3128	.2571	.2325	.2651	.3181	.3155	.2992	.3476	.3735	.1912	.3346
30	CALF HEIGHT	.6906	.6102	.5631	.6317	.2675	.2458	.2232	.2783	.3103	.3358	.3096	.3280	.3441	.1841	.3226
31	ANKLE HEIGHT	.4543	.3803	.3716	.3919	.2470	.1482	.1399	.1531	.1714	.1420	.1104	.2576	.2619	.0692	.2463
32	SITTING HEIGHT	.4613	.4138	.3947	.3938	.3491	.2782	.2174	.2156	.2085	.3755	.3333	.3718	.3992	.1522	.4604
33	EYE HEIGHT/SITTING	.3961	.3921	.3654	.3687	.2964	.2598	.1811	.3043	.1892	.3467	.3078	.3477	.3773	.1350	.4271
34	MIDSHOULDER HT/SIT	.4182	.3921	.3612	.3350	.2458	.2840	.2811	.3076	.2592	.4188	.3973	.3736	.4003	.2169	.4453
35	ACROMION H"GHT/SIT	.3823	.3482	.3192	.2957	.1478	.2676	.2911	.2529	.2529	.4092	.3916	.3545	.3754	.2373	.4247
36	ELBOW REST HGT/SIT	-.0519	-.0754	-.0778	-.2004	-.0585	.1363	.1837	.1730	.0753	.2253	.2349	.1414	.1526	.1858	.2332
37	KNEE HEIGHT/SITT"G	.7817	.7002	.6461	.7380	.3745	.3398	.3068	.3585	.3769	.4283	.4084	.4156	.4436	.2597	.4416
38	POPLITEAL HGHT/SIT	.7742	.6455	.6102	.7397	.3163	.1523	.1202	.1334	.3585	.2211	.1722	.3344	.3562	.0844	.3159
39	BUTTOCK-KNEE LNGTH	.6238	.6041	.5653	.6179	.2954	.4379	.3887	.4901	.4438	.5502	.5479	.3611	.3696	.3581	.4129
40	BUTTOCK-POPLITEAL	.5626	.5467	.5058	.5623	.2891	.3859	.3342	.4328	.3886	.5062	.5096	.2889	.2950	.3131	.3480
41	ACRM-BICEP CIR LVL	.4209	.4112	.3861	.4644	.1551	.1908	.1504	.1935	.2068	.2330	.2251	.1915	.2154	.0865	.2440
42	SHOULDER-ELBOW LTH	.6743	.6752	.6374	.7727	.2748	.2515	.2151	.2559	.3178	.3321	.2997	.3579	.3802	.1376	.3450
43	ACROMION-RADIALE L	.6720	.6456	.6162	.7534	.2417	.2471	.2405	.2490	.2825	.3478	.2842	.3393	.3553	.1724	.3154
44	ELBOW-WRIST LENGTH	.8994	.6865	.5370	.7622	.3579	.2619	.2506	.2506	.2721	.3478	.2993	.4003	.4063	.2127	.3359
45	RADIALE-STYLION LH	.8165	.6625	.5283	.7495	.3173	.2657	.2517	.2687	.2721	.3296	.3057	.3742	.3898	.1977	.3048

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
46	ELBOW-GRIP LENGTH		.6797	.6381	.7365	.3481	.2514	.2331	.2463	.2779	.3432	.2882	.4107	.4152	.1916	.3563
47	THUMB-TIP REACH	.6797		.6804	.6685	.3234	.2784	.2553	.2774	.3292	.3270	.2965	.3656	.3813	.2108	.3210
48	THUMB-TIP R"CH/XTD	.6381	.6804		.6290	.3224	.2587	.2543	.2585	.3076	.3039	.2738	.3399	.3536	.1869	.3080
49	SLEEVE INSEAM	.7365	.6685	.6290		.3023	.1502	.1193	.1439	.2066	.2443	.1995	.3070	.2767	.0742	.2496
50	BIACROMIAL BREADTH	.3481	.3234	.3224	.3023		.6571	.4462	.3272	.2895	.3398	.3202	.2724	.2767	.3127	.3489
51	BIDELTOID BREADTH	.2514	.2784	.2587	.1502	.6571		.7933	.7055	.5273	.6225	.6568	.3256	.3272	.3157	.4571
52	CHEST BREADTH	.2331	.2553	.2543	.1193	.4462	.7933		.7470	.5678	.5958	.6302	.2982	.3042	.7657	.3975
53	WAIST BRDTH-OMPH"N	.2463	.2774	.2585	.1439	.3272	.7055	.7470		.7389	.7601	.6187	.3086	.3094	.7041	.4673
54	BICRISTALE BREADTH	.2779	.3292	.3076	.2066	.2895	.5273	.5678	.7389		.5986	.6187	.3006	.3094	.6402	.4151
55	HIP BREADTH	.3432	.3270	.3039	.2443	.3398	.6225	.5958	.7601	.5986		.9032	.3592	.3695	.5477	.5608
56	HIP BREADTH SITT"G	.2882	.2965	.2738	.1995	.3202	.6568	.6302	.6187	.6187	.9032		.3253	.3438	.5882	.5381
57	ELBOW BRDTH BONE/R	.4107	.3656	.3399	.3070	.2724	.3256	.2982	.3086	.3006	.3592	.3253		.7964	.3185	.4977
58	ELBOW BRDTH BONE/L	.4152	.3813	.3536	.2767	.2767	.3272	.3042	.3094	.3094	.3695	.3438	.7964		.3153	.5206
59	F"ARM-F"ARM BR"DTH	.1916	.2108	.1869	.0742	.3127	.3157	.7657	.7041	.6402	.5477	.5882	.3185	.3153		.3801
60	KNEE BR"DTH BONE/R	.3563	.3210	.3080	.2496	.3489	.4571	.3975	.4673	.4151	.5608	.5381	.4977	.5206	.3801	
61	KNEE BR"DTH BONE/L	.3624	.3523	.3149	.2607	.3463	.4592	.3987	.4695	.4252	.5626	.5439	.5045	.5257	.3838	.9693
62	CHEST DEPTH	.2034	.2523	.2410	.1091	.2681	.6240	.6403	.7285	.5414	.5803	.6318	.3277	.3164	.6025	.3682
63	WAIST DEPTH-OMPH"N	.1209	.1907	.1537	.0392	.2475	.6078	.6400	.8095	.6190	.6000	.6644	.2590	.2303	.5673	.3399
64	BUTTOCK DEPTH	.1581	.1824	.1637	.0445	.2846	.6526	.6533	.8052	.5702	.6701	.7489	.2729	.2435	.6057	.4180
65	THIGH CLEARANCE HT	.0839	.1311	.1120	-.0014	.2350	.6457	.5596	.6599	.4518	.6140	.6808	.2590	.2435	.5974	.4332
66	NECK CIRC -MAXIMUM	.1696	.2061	.2047	-.0314	.3574	.6274	.6026	.6115	.4799	.4738	.5047	.2223	.2303	.5784	.4061
67	SHOULDER CIRCUM"CE	.2813	.3044	.2833	.0314	.4629	.8711	.7801	.7450	.5174	.6315	.6694	.3288	.3396	.7371	.4871
68	CHEST CIRC AT SCYE	.2645	.2697	.2735	.1217	.4014	.8195	.8118	.8011	.5309	.6178	.6552	.3574	.3748	.7214	.4428
69	CHEST CIRCUMF"ENCE	.2437	.2661	.2580	.1071	.2883	.7972	.8344	.9363	.5843	.6470	.6943	.3343	.3314	.7282	.4259
70	CHEST CIR-OMPHAL"N	.1810	.2437	.2045	.0901	.2839	.6955	.7163	.8855	.6986	.7243	.7975	.3311	.3256	.6478	.4184
71	WAIST CIR-OMPH/SIT	.1591	.2229	.1767	.0594	.2883	.6776	.6960	.8493	.6595	.6711	.7391	.2796	.2812	.6333	.3919
72	BUTTOCK CIRCUM"CE	.2784	.2943	.2620	.1648	.3250	.7274	.6827	.8346	.6299	.8950	.9267	.2579	.2594	.6499	.5621
73	BUTTOCK CIRCUM/SIT	.2530	.2934	.2425	.1471	.3834	.6855	.6641	.6588	.6484	.8311	.8979	.3468	.3618	.6295	.5189
74	VERTICAL TRUNK CIR	.4102	.4056	.3736	.2850	.3556	.6126	.5849	.5954	.5110	.6727	.6939	.3357	.3520	.5186	.5558
75	VERT TRUNK CIR/SIT	.4171	.4012	.3736	.3135	.3556	.5525	.5198	.5954	.4594	.6319	.6475	.4228	.4348	.4498	.5338
76	SCROTALE-ANT WAIST	.2586	.2321	.2211	.1853	.2341	.3523	.3339	.3551	.2164	.3758	.3841	.4099	.4210	.2711	.3179
77	SCROTALE-A WAIST/S	.2877	.2452	.2484	.2052	.2341	.2343	.1598	.1574	.1323	.3076	.2688	.2568	.2574	.1583	.3332
78	SCRTL-SUPRASTERNLE	.3062	.3202	.2817	.2319	.3262	.4779	.4619	.5413	.4125	.5295	.5418	.2846	.2768	.3948	.4323
79	SCRTL-SUPRSTRNLE/S	.3404	.3258	.3104	.2808	.3067	.3570	.3291	.3464	.2829	.5532	.5532	.3521	.3515	.2594	.4219
80	SCRTL-ANT SCYE LVL	.3011	.2944	.2571	.2119	.2528	.3917	.3895	.4462	.3520	.4517	.4621	.3667	.3775	.3191	.3826
81	SCRTL-ANT SCYE L/S	.3048	.2657	.2571	.2357	.2016	.2210	.2092	.1925	.1696	.3174	.2972	.3033	.2996	.1440	.3309
82	SCRTL-A MIDSHOULDR	.3420	.3389	.3063	.2494	.2833	.5274	.5194	.5845	.4548	.4957	.6034	.2813	.2915	.4475	.4603
83	SCRTL-A MDSHLDR/S	.3775	.3524	.3319	.3044	.2594	.4076	.3962	.4079	.3290	.5240	.4993	.3687	.3804	.3306	.4648
84	SCROTALE-PST WAIST	.1796	.1773	.1537	.0764	.3015	.4955	.4276	.5055	.3399	.5031	.5485	.3817	.4100	.4436	.3698
85	SCRTL-WAIST OVR BK	.2185	.2214	.2028	.1316	.2190	.4716	.3894	.4376	.3094	.4032	.5211	.2313	.2286	.4022	.4095
86	SCROTALE-P WAIST/S	.1340	.1583	.1268	.0959	.2283	.4038	.3774	.4045	.1925	.4420	.4268	.2760	.2597	.3480	.2903
87	SCRTL-WAIST/BUTT/S	.1554	.1591	.1345	.0955	.3190	.4064	.3558	.3996	.1914	.5771	.4666	.1792	.1703	.3454	.3306
88	SCROTALE-CERVICALE	.3356	.3447	.2954	.2370	.3010	.4981	.4267	.5448	.4342	.5485	.5919	.1900	.1880	.4210	.4846
89	SCROTALE-CERVCLE/S	.3133	.3407	.2817	.2376	.2190	.4836	.4331	.5533	.3977	.5485	.5688	.3448	.3560	.4030	.4664
90	SCRTL-PST SCYE LVL	.2641	.2456	.2149	.1423	.2190	.4432	.3887	.4824	.3658	.5193	.5311	.3208	.3304	.3775	.4212

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
91	SCRTL-PST SCYE L/S	.2393	.2407	.1972	.1370	.1990	.4299	.3956	.4928	.3308	.4847	.4995	.2411	.2514	.3698	.3961
92	SCRTL-P MIDSHOULDR	.3411	.3417	.2978	.2101	.3495	.5672	.5058	.5976	.4568	.6073	.6220	.3563	.3577	.4797	.5036
93	SCRTL-MDSHLD OVR B	.3571	.3566	.3259	.2393	.3589	.5268	.4588	.5234	.4135	.5758	.5841	.3738	.3663	.4359	.5160
94	SCRTL-P MDSHLDR/S	.3179	.3394	.2866	.2137	.3330	.5452	.5027	.6061	.4305	.5695	.5894	.3317	.3318	.4553	.4678
95	SCRTL-MDSHLD O B/S	.3446	.3496	.3028	.2414	.3289	.5202	.4742	.5825	.4161	.5859	.6022	.3405	.3451	.4246	.4921
96	UPPER THIGH CIRCUM	.1692	.1764	.1599	.0618	.3070	.6949	.6382	.7744	.5224	.7667	.8307	.2689	.2749	.6285	.4898
97	UPPER THIGH C/SIT	.2009	.2054	.1845	.0709	.3133	.7056	.6503	.7931	.5569	.7755	.8473	.2875	.2909	.6446	.5014
98	KNEE CIRCUMFERENCE	.3398	.3355	.3004	.2138	.3617	.6288	.5731	.7084	.5551	.7507	.7824	.4407	.4541	.5670	.7288
99	KNEE CIRCUM"CE/SIT	.3566	.3532	.3169	.2360	.3619	.6378	.5962	.7193	.5551	.7381	.7731	.4349	.4463	.5716	.6817
100	CALF CIRCUMF/RIGHT	.1905	.1938	.1856	.0801	.3358	.6187	.5558	.6080	.4351	.6215	.6728	.3165	.3328	.5481	.5649
101	CALF CIRCUMF/LEFT	.1992	.2007	.1931	.0959	.3311	.6131	.5479	.6080	.4371	.6221	.6758	.3204	.3387	.5433	.5568
102	ANKLE CIRCUMF"ENCE	.2472	.2189	.2137	.1149	.3160	.5144	.4642	.5206	.4103	.5733	.6040	.3734	.3892	.4442	.6132
103	SCYE CIRCUMFERENCE	.3083	.3178	.2913	.2106	.3421	.6121	.5581	.6975	.4558	.6248	.6821	.3784	.3786	.5546	.4612
104	BICEPS C-EXTEND/RT	.1458	.1390	.1354	-.0295	.3068	.7160	.6597	.7114	.4872	.6368	.6936	.3402	.3486	.6774	.4554
105	BICEPS C-EXTEND/LT	.1240	.1390	.1345	-.0187	.3106	.7324	.6654	.6380	.4951	.5947	.6430	.3281	.3540	.6871	.4449
106	BICEPS C-FLEXED/RT	.1710	.1708	.1606	.0128	.3257	.7022	.6286	.6625	.4451	.6049	.6547	.3585	.3653	.6641	.4539
107	BICEPS C-FLEXED/LT	.1573	.1589	.1521	.0211	.3348	.7183	.6332	.6147	.4677	.6081	.6225	.3499	.3828	.6718	.4543
108	ELBOW CIR-EXTENDED	.3127	.2760	.2675	.0825	.3614	.6592	.5929	.4420	.4789	.6225	.4389	.4956	.5039	.6166	.5618
109	ELBOW CIRC-FLEXED	.3695	.3240	.3149	.1913	.3474	.5224	.4773	.6210	.3735	.4459	.6171	.4372	.4283	.4751	.4425
110	LOWER ARM C-EXTEND	.2573	.2375	.2270	.0576	.3729	.6764	.6001	.5344	.4779	.5949	.5301	.4864	.4926	.6309	.5576
111	LOWER ARM C-FLEXED	.2840	.2644	.2590	.1044	.3710	.6268	.5678	.4436	.4116	.5152	.4467	.4613	.4691	.5854	.5100
112	WRIST CIRCUMF"ENCE	.3280	.3216	.2891	.2362	.3246	.4645	.4273	.4134	.3747	.4472	.4338	.4623	.4885	.4149	.5332
113	SLVE L/SPINE-SCYE	.2257	.2697	.2342	.2131	.4447	.5657	.5370	.4011	.3950	.3472	.4467	.2663	.2683	.4517	.3459
114	SLVE L/SPINE-ELBOW	.5553	.5926	.5419	.6436	.5179	.5073	.4366	.4134	.3838	.4415	.4338	.4003	.4072	.3836	.4262
115	SLVE L/SPINE-WRIST	.7395	.6986	.6404	.7492	.5020	.4827	.4174	.4011	.3922	.4609	.4392	.4463	.4566	.3708	.4486
116	ANTERIOR NECK LGTH	.1777	.1178	.1337	.1959	-.0071	-.1840	-.2244	-.2846	-.1680	-.1136	-.1803	-.0200	.0331	-.2252	.0458
117	POSTERIOR NECK LTH	.0926	.0715	.0756	.0168	-.0046	-.0798	-.0863	-.1396	-.1040	-.0366	-.0681	.0366	.0570	-.0871	.0252
118	SHOULDER LENGTH	.2945	.3122	.3062	.3111	.5783	.3355	.2149	.2100	.1852	.2187	.1886	.2157	.2199	.1909	.2421
119	DELTOID ARC	.3169	.3476	.2932	.3476	.1133	.2409	.1634	.1703	.1836	.2428	.2370	.1760	.2280	.1383	.2591
120	INTERSCYE	.1648	.1839	.1573	.0814	.4261	.5597	.4833	.3874	.2731	.2953	.2924	.1773	.1532	.3951	.2184
121	INTERSCYE MAXIMUM	.3478	.3983	.3647	.2943	.4822	.6420	.5824	.5470	.4429	.5008	.5136	.3684	.3771	.5350	.4406
122	WAIST FRONT-OMPH"N	.2127	.2583	.2156	.1804	.2613	.4047	.3919	.4938	.4221	.4440	.4745	.2926	.2942	.3543	.3514
123	CROTCH LGTH-OMPH"N	.2703	.2705	.2449	.1796	.3409	.5598	.5283	.5931	.3890	.6093	.6418	.3217	.3206	.4861	.4624
124	WAIST BACK-OMPHL"N	.3582	.3793	.3163	.3294	.2146	.2164	.1804	.2953	.3178	.3279	.3179	.3108	.3282	.1525	.3628
125	FOOT LENGTH	.6517	.5545	.5235	.5398	.3538	.3067	.2700	.2953	.3474	.3931	.3498	.4130	.4369	.2247	.4786
126	INSTEP LENGTH	.5695	.5028	.4653	.4911	.3245	.3006	.2698	.2937	.3452	.3809	.3463	.3837	.4020	.2327	.4480
127	FOOT BREADTH	.3620	.3293	.2942	.2626	.3004	.3198	.2918	.2953	.2636	.3676	.3678	.3171	.3596	.2561	.4436
128	BALL-OF-FOOT CIRC	.3790	.3474	.3219	.2615	.3695	.4269	.3877	.3857	.3334	.4357	.4315	.3780	.4176	.3381	.5175
129	INSTEP CIRCUMF"NCE	.3988	.3571	.3382	.2765	.3559	.4636	.4315	.4498	.3668	.4852	.4743	.4010	.4348	.3770	.5690
130	HEEL CIRCUMFERENCE	.5432	.5026	.4627	.4324	.4183	.4802	.4353	.4662	.4385	.5286	.5116	.4687	.5070	.3826	.6351
131	BI-MALLEOLAR BRDTH	.4009	.3524	.3443	.2953	.3619	.3540	.3276	.3308	.3258	.3900	.3561	.4336	.4582	.2595	.6175
132	LAT"L MALLEOLUS HT	.3501	.3092	.2921	.2761	.1918	.2243	.1834	.2290	.2164	.2933	.2354	.2863	.2621	.1734	.2963
133	MED"L MALLEOLUS HT	.7224	.2719	.2527	.2614	.2577	.2392	.1829	.1900	.2053	.3088	.2467	.2467	.3433	.1649	.4378
134	HAND LENGTH	.7070	.5757	.5527	.5540	.3380	.2553	.2224	.2274	.2920	.2706	.2578	.4302	.4416	.1747	.4000
135	PALM LENGTH	.5905	.4861	.4645	.4541	.2938	.2301	.2063	.2077	.2428	.2706	.2314	.3613	.3664	.1499	.3341

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
136	HAND BR/METACARPLE	.3998	.3282	.2955	.2710	.2961	.3239	.3203	.2699	.2625	.3294	.3129	.4419	.4535	.2999	.4478
137	HAND BRTH AT THUMB	.4194	.3777	.3384	.2972	.3492	.3619	.3399	.2845	.2781	.3328	.3073	.4379	.4510	.3058	.4387
138	HAND C/METACARPALE	.4102	.3644	.3233	.2700	.3462	.3913	.3671	.3303	.3132	.3712	.3571	.4917	.4870	.3420	.4780
139	HAND C ROUND THUMB	.4011	.3712	.3387	.2635	.3950	.4777	.4308	.3974	.3615	.4285	.4113	.4990	.5047	.4164	.5237
140	HAND THICK/META-3	.1630	.1725	.1354	.1244	.1313	.1813	.1866	.1511	.1661	.1977	.1811	.3025	.3069	.1875	.2659
141	HEAD CIRCUMFERENCE	.2222	.2237	.2221	.1535	.2509	.3233	.3132	.3101	.2740	.2879	.2909	.2172	.2237	.2614	.2858
142	SAGITTAL ARC/INION	.0502	.0685	.0745	.0617	.0990	.1008	.0927	.0596	.0405	.0762	.0800	-.0189	.0553	.0620	.0974
143	MINIMUM FRONTL ARC	.0831	.0604	.0167	.0162	.0612	.1702	.1638	.1692	.1463	.1483	.1525	.0857	.0688	.1346	.1260
144	BITRAGION-CORONAL	.1567	.1695	.1458	.1283	.1930	.2354	.2152	.2148	.2054	.1975	.2158	.1843	.1730	.1688	.2131
145	BITRAGN-MIN FRNTAL	.2098	.2239	.2059	.1490	.2430	.3047	.2959	.2892	.2607	.2790	.2799	.2111	.2224	.2414	.2731
146	BITRAG"N-SUBNASALE	.2291	.2056	.1961	.1198	.3002	.4139	.3632	.3866	.3176	.3670	.3540	.2079	.2413	.3434	.3414
147	BITRAGION-MENTON	.2813	.2709	.2408	.1653	.3457	.4775	.4314	.4390	.3659	.4109	.4088	.2929	.3179	.3976	.3804
148	BIT-SUBMANDIBULAR	.2203	.2312	.2942	.1038	.3020	.4583	.4225	.4573	.3611	.3773	.3867	.2380	.2489	.3962	.3419
149	BITRAG"N-POSTERIOR	.1250	.1552	.1412	.0839	.1649	.2366	.2044	.2443	.2203	.2014	.2096	.2224	.1856	.1922	.2165
150	HEAD LENGTH	.1895	.1790	.1973	.1315	.1789	.1959	.1892	.1635	.1489	.1657	.1592	.1620	.1733	.1439	.1967
151	HEAD DIAGNL/MENTON	.2777	.2565	.2387	.2009	.2745	.3153	.2740	.2425	.2284	.2467	.2609	.2299	.2475	.2390	.2991
152	HD DIAG/INION-NOSE	.1886	.1920	.1895	.1199	.1765	.1839	.2244	.1969	.1799	.1789	.1546	.2394	.2093	.1496	.1847
153	EAR BREADTH	.1359	.1207	.1301	.0891	.1310	.1310	.1303	.1505	.1251	.1541	.1546	.0995	.1093	.0883	.1527
154	EAR LENGTH	.1716	.2113	.1909	.1353	.1614	.2079	.2408	.2702	.2160	.2382	.2648	.2048	.2085	.1632	.1979
155	EAR L ABVE TRAGION	.1019	.0854	.0958	.0914	.0359	.0460	.0562	.0632	.0334	.1017	.1034	.0671	.1038	.0358	.0801
156	HEAD BREADTH	.0897	.1066	.0913	.0394	.1879	.2595	.2439	.2684	.2560	.2268	.2355	.1264	.1246	.2285	.2173
157	MAXIMUM FRONTAL BR	.1739	.1752	.1491	.1253	.1921	.2382	.2099	.2135	.2075	.2206	.2219	.1884	.2150	.2272	.2433
158	BITRAGION BREADTH	.1814	.1895	.1696	.1007	.2559	.3512	.3472	.3712	.3324	.3254	.3118	.2408	.2369	.3067	.3017
159	BIZYGOMATIC BR"DTH	.1576	.1876	.1482	.0896	.2780	.4048	.3836	.4103	.3613	.3638	.3535	.2377	.2507	.3585	.3392
160	BIGONIAL BREADTH	.0574	.1317	.0912	.0169	.1801	.3593	.3694	.3770	.3102	.3001	.3254	.2448	.2524	.3514	.2465
161	EAR-TO-EAR BREADTH	.1662	.1635	.1468	.1289	.2000	.2145	.2206	.2381	.2148	.2241	.2271	.1897	.2057	.1657	.2357
162	BIOCULAR BREADTH	.1119	.0786	.0939	.0890	.1440	.1552	.1435	.1436	.1419	.1475	.1436	-.0167	.0355	.1446	.1712
163	INTERPUPILLARY BRD	.1315	.1046	.1152	.1007	.1216	.1384	.1228	.1500	.1383	.1556	.1455	.0401	.0606	.1298	.1602
164	INTEROCULAR BR"DTH	.1198	.0920	.1001	.0979	.1352	.1456	.1363	.1435	.1414	.1286	.1227	.0818	.0827	.0989	.1439
165	NOSE BREADTH	.1061	.0825	.1067	.0431	.1754	.1898	.1784	.1335	.1324	.0997	.0916	.1456	.1104	.1307	.1125
166	LIP LENGTH	.0795	.0761	.0896	.0306	.1421	.1644	.1732	.1231	.1477	.1119	.1056	.1656	.1698	.1376	.1242
167	EAR PROTRUSION	.0892	.0709	.0727	.0647	.1001	.0947	.1043	.1114	.0843	.1091	.1252	.0406	.0670	.0593	.1204
168	SUBNASALE-NASAL RT	.1595	.1519	.1629	.1441	.1154	.0895	.1216	.1007	.1128	.1200	.1021	.1368	.1287	.0603	.1593
169	PHILTRUM LENGTH	.0191	.0620	.0423	-.0277	-.0741	-.1079	-.1244	-.1154	-.0828	-.0855	-.1035	-.0268	-.0507	.1012	-.0784
170	LIP-TO-LIP LENGTH	.0763	.0374	.0529	.0952	-.0139	-.0798	-.1073	-.1283	-.0853	-.0852	-.0781	-.0739	-.0625	.0852	-.0253
171	MENTON-SUBNASALE L	.1216	.1421	.1304	.1091	.1319	.1270	.1121	.0963	.0879	.0910	.1118	.0833	.0890	.1170	.1199
172	MENTON-NASAL ROOT	.2188	.2267	.2118	.1930	.1873	.1731	.1793	.1505	.1460	.1614	.1662	.1705	.1728	-.0405	.2062
173	GLABELLA-TO-VERTEX	.0043	.0165	-.0097	.0260	-.0022	-.0061	-.0150	-.0262	-.0437	-.0203	.0052	-.0066	-.0225	-.0078	.0368
174	NASAL ROOT-TO-VRTX	.0670	.0771	.0339	.0788	.0407	.0367	.0178	.0082	-.0002	.0184	.0355	.0262	.0543	-.0279	.0862
175	XTRNL CANTHUS-VRTX	.0609	.0846	.0453	.0767	.0521	.0577	.0477	.0464	-.0188	.0527	.0778	.0358	.0662	-.0203	.1020
176	PRONASALE-TO-VRTX	.0818	.0991	.0568	.1001	.0410	.0164	.0161	-.0019	-.0045	.0254	.0364	.0453	.0707	-.0203	.1001
177	SUBNASALE-TO-VRTX	.1057	.1196	.1030	.1279	.0630	.0375	.0308	.0130	-.0112	.0444	.0568	.0701	-.0948	-.0056	.1310
178	STOMION-TO-VERTEX	.1197	.1360	.1030	.1216	.0832	.0511	.0481	.0246	.0168	.0518	.0672	.0816	-.1052	.0060	.1356
179	MENTON-TO-VERTEX	.1657	.1748	.1411	.1612	.1392	.1133	.1024	.0695	.0600	.0932	.1092	.1196	.1410	.0511	.1708
180	TRAGION-TO-VERTEX	.0829	.0817	.0643	.0869	.1003	.1213	.1073	.1211	.0870	.1044	.1281	.0516	.0664	.0696	.1253

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
181	GLABELLA-TO-WALL	.2033	.1823	.1895	.1452	.1901	.2115	.1913	.1649	.1473	.1724	.1658	.1515	.1652	.1524	.2160
182	NASAL ROOT-TO-WALL	.2012	.1841	.1950	.1465	.1832	.2005	.1833	.1629	.1464	.1728	.1647	.1483	.1532	.1506	.2162
183	XTRNL CANTHUS-WALL	.1351	.1311	.1340	.0806	.1269	.1764	.1695	.1445	.1333	.1238	.1209	.1247	.1192	.1510	.1383
184	PRONASALE-TO-WALL	.2264	.2000	.2173	.1494	.1964	.2270	.2170	.2141	.1978	.2171	.2044	.1758	.1892	.1926	.2212
185	SUBNASALE-TO-WALL	.2001	.1609	.1881	.1180	.1754	.2249	.2056	.2021	.1758	.1912	.1819	.1549	.1639	.1881	.1934
186	LIP PROMIN"CE-WALL	.1970	.1563	.1885	.1121	.1783	.2393	.2170	.2119	.1851	.1890	.1831	.1500	.1531	.2054	.1799
187	CHIN PROMINCE-WALL	.1896	.1606	.1847	.1069	.1887	.2850	.2542	.2638	.2276	.2363	.2294	.1778	.1823	.2511	.1923
188	TRAGION-TO-WALL	.0571	.0547	.0634	.0287	.0555	.1025	.1010	.0807	.0686	.0600	.0620	.0512	.0423	.0944	.0556
189	GUESSED HEIGHT	.7370	.6536	.6227	.6938	.3866	.3227	.2778	.3100	.3270	.4285	.3891	.4209	.4407	.2120	.4571
190	GUESSED WEIGHT	.4506	.4470	.4099	.3232	.4555	.7592	.7242	.8190	.6373	.7859	.8271	.4573	.4754	.6798	.6259

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

#	Variable	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	AGE	-0062	.3053	.3121	.1625	-1033	.1331	.0914	.1854	.2591	.2620	.2678	.1049	.1954	.1637	.1256
2	WEIGHT	.6290	.7593	.7550	.8156	.7752	.6994	.8308	.8100	.8322	.8562	.8213	.9221	.8882	.8232	.7616
3	SKF SUBSCAP"R-LNGE	.2076	.6034	.6701	.6168	.4915	.4722	.5031	.5234	.5881	.6869	.6750	.5689	.5671	.4105	.3615
4	SKF TRICEPS-LANGE	.2270	.4854	.5474	.5764	.4882	.3094	.4306	.4012	.4630	.6244	.5809	.6017	.6009	.3974	.3421
5	SKF JUX"NIPPLE-LGE	.2224	.6311	.7001	.6518	.4862	.4110	.4822	.5557	.6211	.7466	.7195	.6264	.6369	.4577	.3887
6	SKF MAL XIPH"D-LGE	.2392	.6092	.6981	.6557	.5442	.4727	.5351	.5557	.6323	.7623	.7349	.6429	.6464	.4382	.3850
7	SKF SUPRAILIAC-LGE	.2588	.5711	.6644	.6696	.6430	.4469	.5465	.5348	.5915	.7535	.7220	.6750	.6398	.4421	.3747
8	SKF SUPRAPATELLA-L	.2445	.4714	.5059	.5293	.5005	.3497	.4207	.3989	.4515	.5468	.5178	.5498	.5536	.3740	.3073
9	SKF SUBSCAP"R-HARP	.2118	.6117	.6820	.6319	.4955	.4705	.4969	.5418	.6119	.7061	.6923	.5926	.5876	.4168	.3552
10	SKF TRICEPS-HARP"N	.2317	.5272	.5980	.6131	.4705	.4802	.5360	.4405	.5123	.6598	.6221	.6217	.6174	.4184	.3661
11	SKF SUPRAILIAC-HPN	.2708	.5540	.6469	.6599	.6308	.4500	.5360	.5148	.5705	.7371	.7073	.6595	.6307	.4263	.3716
12	GRIP STRENGTH	.3368	.2374	.1323	.1813	.2394	.2874	.3580	.3144	.2802	.1920	.1800	.2646	.2487	.2893	.2757
13	HEIGHT (STATURE)	.4711	.1970	.1483	.2114	.1689	.2166	.3175	.2636	.2404	.2241	.1870	.3616	.3368	.6299	.6384
14	CERVICALE HEIGHT	.4654	.2262	.1814	.2309	.1854	.2305	.3307	.2585	.2585	.2623	.2214	.3797	.3590	.6335	.6404
15	ACROMION HEIGHT	.4684	.2503	.2117	.2660	.2161	.2499	.3439	.3062	.3046	.2962	.2548	.4084	.3845	.6712	.6773
16	RADIALE HEIGHT	.4554	.2501	.2295	.2963	.2533	.2641	.3396	.3080	.3088	.3129	.2718	.4273	.3998	.7015	.7036
17	STYLION HEIGHT	.4428	.2054	.2065	.2804	.2394	.2545	.2988	.2766	.2735	.2806	.2485	.3887	.3669	.6787	.6743
18	DACTYLION HEIGHT	.3967	.1827	.2090	.2793	.2488	.2278	.2715	.2452	.2492	.2797	.2491	.3754	.3526	.6586	.6540
19	SUPRASTERNALE HGHT	.4733	.2641	.2160	.2641	.2055	.2407	.3547	.3101	.2994	.2909	.2527	.4080	.3840	.6509	.6525
20	NIPPLE HEIGHT	.4286	.2106	.1483	.2055	.1642	.1832	.3000	.2562	.2449	.2115	.1788	.3342	.3079	.6010	.6010
21	WAIST HT-OMPHALION	.3937	.1681	.0699	.2001	.0987	.1413	.2611	.2268	.2027	.1424	.1145	.2782	.2439	.5918	.5918
22	ILIOCRISTALE HT	.4134	.2574	.1917	.1429	.1806	.1998	.3298	.2957	.2868	.2802	.2398	.3691	.3491	.4856	.4929
23	BUTTOCK HEIGHT	.3617	.2300	.1646	.2389	.1403	.1667	.2898	.2624	.2517	.2366	.1990	.2976	.2920	.5039	.5123
24	TROCHANTERION HGHT	.3703	.1955	.1262	.2242	.0991	.1456	.2590	.2263	.2183	.2008	.1646	.2782	.2577	.4269	.4376
25	GLUTEAL FURROW HGT	.3324	.1967	.1246	.1619	.1042	.1389	.2585	.2262	.2144	.1931	.1599	.2453	.2363	.4304	.4414
26	CROTCH HEIGHT	.3249	.1280	.0574	.1542	.0793	.0879	.2119	.1580	.1466	.1320	.0919	.2169	.2143	.3926	.4080
27	PATELLA TOP HEIGHT	.3852	.2312	.1712	.0933	.1282	.1884	.2868	.2671	.2626	.2379	.2021	.2991	.2854	.3518	.3698
28	KNEE CIRC HEIGHT	.3790	.2349	.1767	.2020	.1485	.1845	.2924	.2591	.2510	.2520	.2106	.3070	.2985	.4398	.4437
29	FIBULAR HEIGHT	.3468	.2055	.1500	.2114	.1388	.1517	.2774	.2381	.2310	.2230	.1859	.2793	.2825	.4462	.4467
30	CALF HEIGHT	.3329	.2184	.1669	.1808	.1592	.1561	.2574	.2450	.2378	.2346	.1956	.2948	.2805	.4179	.4195
31	ANKLE HEIGHT	.2462	.1381	.1004	.2028	-0482	.1124	.1324	.2110	.1817	.0928	.0867	.1170	.0902	.3881	.3878
32	SITTING HEIGHT	.4709	.1299	.1039	.0964	.2062	.2457	.2307	.2134	.1710	.1667	.1318	.3473	.3055	.2609	.2771
33	EYE HEIGHT/SITTING	.4375	.1065	.0826	.1959	.2233	.2038	.2605	.1724	.1378	.1450	.1097	.3171	.2843	.6887	.7139
34	MIDSHOULDER HT/SIT	.4574	.1992	.1962	.1662	.2935	.3125	.3367	.2473	.2373	.2733	.2311	.4111	.3899	.6517	.6790
35	ACROMION H"GHT/SIT	.4370	.2008	.2023	.2772	.2896	.2894	.3201	.2483	.2488	.2806	.2372	.4041	.3812	.7562	.7853
36	ELBOW REST HGT/SIT	.2409	.0938	.1387	.2764	.2720	.2055	.1685	.1193	.1275	.1790	.1528	.2611	.2486	.7320	.7617
37	KNEE HEIGHT/SITT"G	.4530	.2853	.2240	.2143	.2267	.2368	.3582	.3297	.3220	.3079	.2681	.3952	.3801	.5184	.5419
38	POPLITEAL HGHT/SIT	.3262	.0777	.0059	.0385	-0087	.0753	.1815	.1459	.1143	.0675	.0394	.1487	.1326	.5071	.5067
39	BUTTOCK-KNEE LNGTH	.4222	.4168	.3816	.4507	.3396	.3017	.4352	.4441	.4553	.4516	.4137	.5640	.5238	.3312	.3544
40	BUTTOCK-POPLITEAL	.3596	.3557	.3182	.3982	.0876	.2490	.3943	.3802	.3909	.4015	.3632	.5167	.4755	.5556	.5261
41	ACRM-BICEP CIR LVL	.2542	.1488	.1055	.1314	.1035	.1153	.1891	.1685	.1615	.1585	.1387	.2037	.1871	.4791	.4579
42	SHOULDER-ELBOW LTH	.3558	.2092	.1339	.1425	.1020	.1541	.2734	.2416	.2358	.2032	.1726	.2722	.2586	.3107	.3084
43	ACROMION-RADIALE L	.3261	.2055	.1349	.1317	.0874	.1633	.2760	.2485	.2399	.1972	.1678	.2631	.2537	.4174	.4293
44	ELBOW-WRIST LENGTH	.3415	.2122	.1343	.1509	.1050	.1515	.2983	.2714	.2574	.1980	.1653	.2882	.2610	.3992	.4026
45	RADIALE-STYLION LH	.3110	.2208	.1500	.1876	.1050	.1514	.2846	.2555	.2465	.2090	.1791	.2840	.2709	.3747	.3702

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
46	ELBOW-GRIP LENGTH	.3624	.2034	.1209	.1581	.0839	.1696	.2813	.2645	.2437	.1810	.1591	.2784	.2530	.4102	.4171
47	THUMB-TIP REACH	.3272	.2523	.1907	.1824	.1311	.2061	.3044	.2697	.2661	.2437	.2229	.2943	.2934	.4056	.4012
48	THUMB-TIP R"CH/XTD	.3149	.2410	.1537	.1637	.1120	.2047	.2833	.2735	.2580	.2045	.1767	.2620	.2425	.3736	.3736
49	SLEEVE INSEAM	.2607	.1091	.0392	.0445	-.0014	.0314	.1830	.1217	.1071	.0901	.0594	.1648	.1471	.2850	.3135
50	BIACROMIAL BREADTH	.3463	.2681	.3392	.2846	.2350	.3574	.5551	.4629	.4014	.2883	.2839	.3549	.3250	.3834	.3556
51	BIDELTOID BREADTH	.4592	.6240	.6078	.6626	.6457	.6274	.8711	.8195	.7972	.6955	.6776	.7274	.6855	.6126	.5525
52	CHEST BREADTH	.3987	.6403	.6400	.6533	.5596	.6026	.7801	.8118	.8344	.7163	.6960	.6827	.6641	.5849	.5198
53	WAIST BROTH-OMPH"N	.4695	.7285	.8095	.8052	.6599	.6115	.7154	.7450	.8011	.9363	.8855	.8493	.8346	.6588	.5954
54	BICRISTALE BREADTH	.4252	.5414	.6190	.5702	.4518	.4799	.5174	.5309	.5843	.6986	.6595	.6299	.6484	.5110	.4594
55	HIP BREADTH	.5626	.5803	.6000	.5701	.6140	.4738	.6315	.6178	.6470	.7243	.6711	.8950	.8311	.6727	.6319
56	HIP BREADTH SITT"G	.5439	.6318	.6644	.7489	.6808	.5047	.6694	.6552	.6943	.7975	.7391	.9267	.8979	.6939	.6475
57	ELBOW BROTH BONE/R	.5045	.3277	.2379	.2590	.2223	.3288	.3574	.3343	.3311	.2796	.2579	.3468	.3357	.4228	.4099
58	ELBOW BROTH BONE/L	.5257	.3164	.2303	.2729	.2435	.3396	.3748	.3314	.3256	.2812	.2594	.3618	.3520	.4348	.4210
59	F"ARM-F"ARM BR"DTH	.3838	.6025	.5673	.6057	.5974	.5784	.7371	.7214	.7282	.6478	.6333	.6499	.6295	.5186	.4498
60	KNEE BR"DTH BONE/R	.9693	.3682	.3399	.4180	.4332	.4061	.4871	.4428	.4259	.4184	.3919	.5621	.5189	.5558	.5338
61	KNEE BR"DTH BONE/L		.3703	.3424	.4201	.4295	.4036	.4874	.4390	.4264	.4242	.3963	.5640	.5285	.5623	.5428
62	CHEST DEPTH	.3703		.7123	.7958	.5829	.5971	.6940	.7829	.8458	.7553	.7341	.6987	.6930	.5609	.4881
63	WAIST DEPTH-OMPH"N	.3424	.7123		.6951	.5942	.6017	.6281	.6618	.7299	.7326	.7227	.7347	.7365	.5694	.5770
64	BUTTOCK DEPTH	.4201	.7958	.6951		.7145	.5541	.6059	.5770	.6993	.7145	.8077	.8332	.8099	.5461	.5106
65	THIGH CLEARANCE HT	.4295	.5829	.5942	.7145		.5541	.6777	.6197	.6311	.6419	.6676	.7726	.7261	.5712	.5106
66	NECK CIRC -MAXIMUM	.4036	.5971	.6017	.5541	.5541		.6718	.6579	.6586	.6419	.6431	.6042	.6003	.5576	.5013
67	SHOULDER CIRCUM"CE	.4874	.6940	.6281	.6059	.6777	.6718		.8574	.8223	.7001	.7227	.7347	.6901	.6312	.5563
68	CHEST CIRC AT SCYE	.4390	.7829	.6618	.5770	.6197	.6579	.8574		.9322	.7227	.7347	.7661	.7365	.6133	.5664
69	CHEST CIRCUMF"ENCE	.4264	.8458	.7299	.6993	.6311	.6586	.8223	.9322		.8044	.7905	.7661	.7365	.6294	.5725
70	WAIST CIR-OMPHAL"N	.4242	.7553	.7326	.7145	.6419	.6419	.7001	.7227	.8044		.9539	.8522	.8320	.6481	.5324
71	WAIST CIR-OMPH/SIT	.3963	.7341	.7227	.8077	.6676	.6431	.7227	.7347	.7905	.9539		.8072	.8302	.6173	.6911
72	BUTTOCK CIRCUMF"CE	.5640	.6987	.7347	.8332	.7726	.6042	.7347	.7661	.7661	.8522	.8072		.9284	.7539	.6550
73	BUTTOCK CIRCUM/SIT	.5285	.6930	.7365	.8099	.7261	.6003	.6901	.7365	.7365	.8320	.8302	.9284		.7183	.6550
74	VERTICAL TRUNK CIR	.5623	.5609	.5694	.5461	.5712	.5576	.6312	.6133	.6294	.6481	.6173	.7539	.7183		.9126
75	VERT TRUNK CIR/SIT	.5428	.4881	.5770	.5106	.5106	.5013	.5563	.5664	.5725	.5324	.6911	.6550	.6550	.9126	
76	SCROTALE-ANT WAIST	.3222	.3359	.3350	.3793	.2792	.3404	.3659	.3748	.3646	.3466	.3460	.4178	.3827	.5749	.5434
77	SCROTALE-A WAIST/S	.3330	.1381	.0523	.2147	.2071	.1929	.2309	.1779	.1511	.1070	.0655	.3053	.2592	.4869	.5046
78	SCRTL-SUPRASTERNLE	.4423	.4757	.5362	.5264	.4165	.4500	.4968	.4867	.5060	.5619	.5414	.5927	.5821	.7718	.7313
79	SCRTL-SUPRSTRNLE/S	.4293	.3117	.2632	.3381	.3082	.2967	.3744	.3229	.3262	.3271	.2731	.4517	.4401	.6713	.6958
80	SCRTL-ANT SCYE LVL	.3920	.3488	.4368	.4388	.4203	.3386	.4094	.3849	.3987	.4531	.4355	.4975	.4517	.7464	.7194
81	SCRTL-ANT SCYE L/S	.3345	.1285	.1069	.1985	.1936	.1941	.2230	.1689	.1648	.1576	.1090	.2983	.2794	.5715	.6152
82	SCRTL-A MIDSHOULDR	.4706	.5271	.5568	.5624	.4840	.5020	.5652	.5388	.5635	.6066	.5778	.6419	.6357	.8314	.7876
83	SCRTL-A MDSHLDR/S	.4712	.3765	.3093	.3834	.3871	.3690	.4544	.3907	.4020	.3942	.3342	.5112	.5007	.7252	.7463
84	SCROTALE-PST WAIST	.3681	.4424	.4410	.5120	.5044	.4099	.4888	.4776	.4859	.5060	.4887	.6262	.5701	.5845	.5373
85	SCRTL-WAIST OVR BK	.4070	.3779	.3430	.4459	.5446	.3809	.4560	.4277	.4300	.4180	.3999	.5928	.5283	.5794	.5422
86	SCROTALE-P WAIST/S	.2914	.3983	.3506	.4496	.3822	.3497	.4085	.4453	.4406	.3996	.4000	.4769	.4246	.5079	.4696
87	SCRTL-WAIST/BUTT/S	.3288	.3723	.3224	.5666	.4203	.3386	.4094	.4338	.4195	.3863	.3817	.5159	.4410	.5252	.4958
88	SCROTALE-CERVICALE	.4905	.4450	.4621	.5422	.5337	.4495	.5085	.4505	.4675	.5460	.5066	.6554	.6148	.7729	.7458
89	SCROTALE-CERVCLE/S	.4755	.4655	.4851	.5314	.4898	.4584	.4995	.4798	.4890	.5597	.5265	.6256	.5840	.7581	.7343
90	SCRTL-PST SCYE LVL	.4249	.3666	.4131	.5314	.4940	.3978	.4426	.3937	.4079	.4828	.4532	.5968	.5522	.7225	.6951

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	51	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91 SCRTL-PST SCYE L/S	.4038	.3944	.4460	.5099	.4533	.4172	.4355	.4285	.4330	.5028	.4800	.5632	.5176	.7051	.6752
92 SCRTL-P MIDSHOULDR	.5064	.4857	.5095	.6199	.5664	.5166	.5686	.5463	.5482	.5855	.5561	.6966	.6457	.8159	.7834
93 SCRTL-MDSHLD OVR B	.5179	.4224	.5146	.5413	.5195	.4754	.5192	.4876	.4886	.4983	.4659	.6508	.5961	.7960	.7723
94 SCRTL-P MDSHLDR/S	.4739	.4936	.5367	.5954	.5195	.5235	.5532	.5599	.5579	.5015	.5783	.6585	.6090	.7840	.7582
95 SCRTL-MDSHLD 0 B/S	.4957	.4610	.4871	.5734	.5186	.5235	.5343	.5341	.5243	.5650	.5363	.6636	.6010	.7920	.7792
96 UPPER THIGH CIRCUM	.4865	.6608	.6750	.7988	.8332	.4952	.7154	.7128	.7299	.7754	.7410	.8972	.8200	.6592	.5977
97 UPPER THIGH C/SIT	.4948	.6837	.6923	.8070	.8393	.5534	.7319	.7297	.7440	.7958	.7605	.9075	.8493	.6692	.6057
98 KNEE CIRCUMFERENCE	.7253	.6041	.5014	.6846	.6806	.5859	.6512	.6227	.6485	.6964	.6607	.8185	.7833	.6869	.6336
99 KNEE CIRCUM"CE/SIT	.6763	.6307	.5080	.6974	.6840	.5430	.6573	.6541	.6741	.6974	.6627	.8127	.7719	.6984	.6424
100 CALF CIRCUMF/RIGHT	.5550	.5700	.5350	.6287	.6749	.5549	.6440	.6254	.6741	.6061	.5952	.7220	.6798	.5682	.5020
101 CALF CIRCUMF/LEFT	.5582	.5716	.5342	.6338	.6782	.5133	.6416	.6234	.6266	.6095	.5934	.7286	.6825	.5769	.5117
102 ANKLE CIRCUMF"ENCE	.6062	.4546	.4304	.5230	.5388	.5128	.5302	.5142	.5115	.4975	.4827	.6304	.5933	.5600	.5096
103 SCYE CIRCUMFERENCE	.4565	.5942	.5554	.5886	.5688	.4539	.6596	.6519	.6570	.6333	.6107	.6701	.6360	.6060	.5599
104 BICEPS C-EXTEND/RT	.4481	.6900	.6380	.7003	.7189	.5954	.7536	.7492	.7524	.7133	.6937	.7581	.7180	.5803	.5163
105 BICEPS C-EXTEND/LT	.4401	.6890	.6498	.7154	.7295	.6564	.7683	.7540	.7541	.7319	.7103	.7676	.7342	.5731	.5070
106 BICEPS C-FLEXED/RT	.4498	.6569	.5678	.6428	.7176	.6364	.7541	.7172	.7089	.6517	.6335	.7177	.6774	.5558	.4983
107 BICEPS C-FLEXED/LT	.4544	.6534	.5875	.6684	.7169	.6382	.7667	.7212	.7137	.6771	.6559	.7270	.6916	.5609	.5012
108 ELBOW CIR C-EXTENDED	.5633	.6163	.5537	.6143	.6237	.6562	.6922	.6823	.6805	.6240	.6052	.7012	.6700	.6363	.5795
109 ELBOW CIRC-FLEXED	.4413	.4397	.3671	.4329	.4263	.4934	.5470	.5527	.5297	.5397	.4160	.5043	.4622	.4958	.4598
110 LOWER ARM C-EXTEND	.5582	.6371	.5689	.6251	.6469	.6800	.7140	.6995	.6953	.6347	.6194	.6127	.5798	.6211	.5677
111 LOWER ARM C-FLEXED	.5097	.5629	.4743	.5383	.5799	.6211	.6788	.6524	.6325	.5397	.5297	.6002	.5798	.5547	.5045
112 WRIST CIRCUMF"ENCE	.5405	.4346	.3943	.4196	.4085	.4703	.5185	.4581	.4512	.4437	.4346	.5002	.4952	.5065	.4675
113 SLVE L/SPINE-SCYE	.3481	.4099	.3619	.3919	.3820	.4400	.6258	.5712	.5092	.4366	.3414	.4414	.4280	.4548	.4131
114 SLVE L/SPINE-ELBOW	.4333	.3540	.2876	.3034	.2964	.3426	.5632	.4531	.4168	.3741	.3414	.4321	.4229	.5027	.4842
115 SLVE L/SPINE-WRIST	.4558	.3473	.2625	.2915	.2801	.3233	.5391	.4463	.4094	.3526	.3158	.4364	.4208	.5114	.5114
116 ANTERIOR NECK LGTH	.0484	-.3147	-.3746	-.3017	-.2250	-.2541	-.2015	-.2396	-.2823	-.3497	-.3636	-.2188	-.2529	-.0246	-.0060
117 POSTERIOR NECK LTH	.0258	-.1311	-.1409	-.1110	-.0886	-.1051	-.0633	-.0803	-.1123	-.1430	-.1437	-.0778	-.0746	-.0424	-.0069
118 SHOULDER LENGTH	.2371	-.1478	.1151	.1521	.1318	.1716	.3552	.2420	.1915	.1441	.1311	.2047	.1945	.0166	.2356
119 DELTOID ARC	.2735	.1256	.1333	.1558	.1649	.1566	.2730	.1787	.1644	.2014	.1725	.2416	.2304	.2482	.3326
120 INTERSCYE	.2095	.3896	.3223	.3603	.2652	.3484	.4660	.5408	.5099	.3433	.3596	.3561	.2981	.3166	.2439
121 INTERSCYE MAXIMUM	.4491	.5131	.4622	.4771	.4801	.5516	.6769	.6337	.6000	.5453	.5242	.5716	.5495	.5666	.5364
122 WAIST FRONT-OMPH"N	.3622	.4150	.5126	.4499	.3745	.3704	.4254	.3937	.4230	.5386	.5097	.5031	.5276	.6201	.6004
123 CROTCH LGTH-OMPHL"N	.4640	.5343	.5180	.6467	.5693	.4950	.5943	.5767	.5775	.5800	.5697	.7134	.6618	.7922	.6943
124 WAIST BACK-OMPHL"N	.3759	.2104	.2338	.2167	.2067	.2596	.2543	.1596	.1753	.2951	.2485	.3285	.3357	.5778	.5896
125 FOOT LENGTH	.4873	.2445	.1848	.2260	.1766	.2385	.3151	.3013	.2932	.2468	.2243	.3546	.3284	.4620	.4526
126 INSTEP LENGTH	.4553	.2542	.1993	.2228	.1858	.2283	.3075	.2955	.2971	.2543	.2336	.3523	.3239	.4218	.4136
127 FOOT BREADTH	.4437	.2220	.1902	.2724	.2851	.2784	.3532	.3142	.2885	.3315	.2364	.3832	.3517	.4096	.4003
128 BALL-OF-FOOT CIRC	.5149	.3289	.2794	.3700	.3370	.3742	.4387	.4370	.4778	.4155	.3243	.4621	.4285	.4885	.4664
129 INSTEP CIRCUMF"NCE	.5642	.4095	.3604	.4379	.4054	.4066	.4837	.4958	.4665	.4244	.4050	.5465	.4829	.5394	.5021
130 HEEL CIRCUMFERENCE	.6354	.4076	.3545	.4218	.3860	.4137	.5031	.4784	.3577	.4244	.4039	.5246	.5242	.5996	.5663
131 BI-MALLEOLAR BRDTH	.6192	.2911	.2435	.2861	.2148	.3087	.3533	.3735	.2142	.2626	.2699	.3870	.3454	.4805	.4654
132 LAT"L MALLEOLUS HT	.2984	.2094	.1810	.2138	.1632	.2024	.2262	.2394	.2142	.2048	.1902	.2641	.2364	.3355	.3291
133 MED"L MALLEOLUS HT	.4367	.1407	.1268	.1595	.1425	.2033	.2469	.2106	.1687	.1600	.1476	.2680	.2448	.3450	.3487
134 HAND LENGTH	.4077	.2004	.1189	.1662	.0948	.2079	.2576	.2594	.2345	.1664	.1496	.2657	.2421	.3450	.4090
135 PALM LENGTH	.3431	.1877	.1180	.1534	.0792	.1698	.2241	.2420	.2171	.1543	.1437	.2340	.2138	.3482	.3470

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

#	Measurement	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
136	HAND BR/METACARPLE	.4494	.2858	.2042	.2490	.2503	.3373	.3777	.3220	.3111	.2572	.2478	.3397	.3447	.4098	.3923
137	HAND BRTH AT THUMB	.4480	.3006	.2021	.2516	.2361	.3351	.3904	.3655	.3470	.2476	.2469	.3420	.3249	.4317	.4079
138	HAND C/METACARPALE	.4813	.3501	.2639	.3050	.2830	.4016	.4270	.4143	.3980	.3104	.3066	.3994	.3805	.4631	.4468
139	HAND C ROUND THUMB	.5290	.4226	.3366	.3804	.3562	.4878	.5174	.4937	.4711	.3823	.3787	.4689	.4431	.5212	.5022
140	HAND THICK/META-3	.2583	.2012	.1521	.1413	.1546	.2279	.2328	.1718	.1890	.1779	.1680	.1993	.2242	.2516	.2189
141	HEAD CIRCUMFERENCE	.2883	.2706	.2715	.2948	.2293	.1261	.3272	.3400	.3400	.3085	.2936	.3303	.3204	.3425	.3286
142	SAGITTAL ARC/INION	.0964	.0103	.0210	.0613	.1020	.1271	.1055	.0604	.0514	.0505	.0487	.0845	.0898	.1080	.1086
143	MINIMUM FRONTL ARC	.1285	.1448	.1714	.1578	.1233	.2337	.1645	.1627	.1786	.1814	.1814	.1801	.1649	.1444	.1227
144	BITRAGION-CORONAL	.2187	.1583	.1612	.1784	.1886	.2988	.2238	.2103	.2159	.2055	.1945	.2290	.2122	.2518	.2421
145	BITRAGN-MIN FRNTAL	.2771	.2329	.2410	.2562	.2161	.3778	.3055	.2794	.2813	.2813	.2686	.3012	.2945	.3087	.2795
146	BITRAG"N-SUBNASALE	.3416	.3506	.3426	.3702	.3041	.4655	.4038	.4188	.4139	.3832	.3729	.4065	.3713	.3809	.3584
147	BITRAGION-MENTON	.3820	.4184	.3912	.4227	.3459	.5176	.4825	.4854	.4847	.4427	.4282	.4697	.4424	.4728	.4409
148	BIT-SUBMANDIBULAR	.3416	.4474	.4522	.4416	.3371	.5440	.4479	.4909	.5034	.4792	.4760	.4598	.4394	.4868	.4578
149	BITRAG"N-POSTERIOR	.2220	.2432	.2312	.2363	.1900	.2986	.2451	.2462	.2703	.2532	.2461	.2522	.2315	.2556	.2487
150	HEAD LENGTH	.1975	.1506	.1447	.1726	.1281	.2650	.2014	.2055	.1962	.1577	.1474	.1947	.1854	.2394	.2296
151	HEAD DIAGNL/MENTON	.3015	.2010	.1780	.2317	.1900	.3468	.3132	.2759	.2635	.2635	.2200	.2917	.2778	.3445	.3260
152	HD DIAG/INION-NOSE	.1870	.1944	.1671	.1879	.0757	.2713	.2091	.2236	.2246	.1741	.1678	.1949	.1963	.2235	.2192
153	EAR BREADTH	.1546	.1569	.1482	.1445	.0401	.1367	.1244	.1892	.1750	.1320	.1389	.1571	.1266	.2050	.2089
154	EAR LENGTH	.2031	.2735	.2687	.2278	.0803	.2470	.2130	.2631	.2859	.2751	.2784	.2544	.2726	.3104	.2845
155	EAR L ABVE TRAGION	.0753	.0715	.0554	.0597	.0256	.0544	.0507	.0743	.0708	.0651	.0690	.0928	.0945	.1091	.1037
156	HEAD BREADTH	.2184	.2232	.2311	.2229	.1818	.3469	.2645	.2641	.2705	.2648	.2525	.2535	.2362	.2322	.2168
157	MAXIMUM FRONTAL BR	.2437	.1938	.1764	.1731	.1944	.3127	.2715	.2224	.2227	.2253	.2141	.2368	.2362	.2438	.2188
158	BITRAGION BREADTH	.2971	.3511	.3262	.3203	.1932	.4163	.3372	.3995	.3977	.3493	.3491	.3437	.3284	.3540	.3214
159	BIZYGOMATIC BR"DTH	.3364	.3731	.3699	.3652	.2797	.4881	.4013	.4159	.4208	.4208	.4066	.3941	.3922	.3785	.3380
160	BIGONIAL BREADTH	.2516	.3727	.3748	.3436	.3273	.4459	.4062	.3501	.3752	.4118	.4045	.3603	.4025	.3190	.2771
161	EAR-TO-EAR BREADTH	.2380	.1903	.1787	.1813	.1013	.2419	.1709	.2314	.2083	.2014	.1963	.2187	.2244	.2588	.2537
162	BIOCULAR BREADTH	.1668	.1218	.1210	.1353	.1351	.1876	.1573	.1400	.1328	.1420	.1367	.1565	.1640	.1365	.1216
163	INTERPUPILLARY BRD	.1594	.1354	.1339	.1198	.1026	.1875	.1573	.1515	.1473	.1560	.1507	.1580	.1601	.1468	.1342
164	INTEROCULAR BR"DTH	.1430	.1242	.1096	.1128	.0838	.1565	.1431	.1723	.1645	.1205	.1171	.1325	.1133	.1037	.0993
165	NOSE BREADTH	.1078	.2080	.1657	.1486	.0955	.2694	.2003	.2380	.2238	.1217	.1258	.1383	.1410	.1515	.1161
166	LIP LENGTH	.1215	.1642	.1307	.0971	.0806	.2516	.0903	.1173	.1761	.0847	.1258	.1222	.1330	.1479	.1334
167	EAR PROTRUSION	.1189	.0741	.0905	.0889	.0274	.0584	.0702	.1472	.1269	.0595	.0931	.1065	.1064	.1264	.1206
168	SUBNASALE-NASAL RT	.1499	.0719	.0561	.0682	-.0401	.0791	.0878	.1261	.1369	.1062	.0588	.0964	.0836	.1650	.1643
169	PHILTRUM LENGTH	.0808	.1423	.1508	.1276	.0529	.1315	.1369	.1106	.1056	.1009	.1385	.1208	.1422	.1358	.1123
170	LIP-TO-LIP LENGTH	-.0218	-.1446	-.1545	-.1049	.0116	-.1063	-.0560	-.1106	-.1056	-.1009	-.1425	-.0675	-.1004	-.0889	-.0753
171	MENTON-SUBNASALE L	.2075	.1221	.1077	.1404	.0778	.1585	.1622	.1852	.1723	.1285	.0833	.1377	.1169	.1402	.1305
172	MENTON-NASAL ROOT	.0415	.0808	.0811	.1121	.1033	.1622	.1852	.1723	.1852	.1723	.1168	.1855	.1678	.2314	.2198
173	GLABELLA-TO-VERTEX	.0896	-.1149	-.0737	-.0278	.0714	.0217	.0207	-.0783	-.0955	-.0361	-.0366	-.0080	-.0085	-.0155	-.0099
174	NASAL ROOT-TO-VRTX	.1046	-.0810	-.0374	.0057	.0948	.0570	.0595	-.0294	-.0552	-.0552	-.0036	-.0283	.0233	.0343	.0371
175	XTRNL CANTHUS-VRTX	.0990	-.0423	-.0066	.0317	.1073	.1001	.0813	-.0031	-.0618	-.0162	-.0369	.0668	.0189	.0726	.0646
176	PRONASALE-TO-VRTX	.1324	-.0876	-.0489	-.0145	.0493	.0353	.0394	-.0413	-.0243	-.0470	-.0148	.0184	.0604	.0449	.0447
177	SUBNASALE-TO-VRTX	.1383	-.0791	-.0421	-.0013	.0688	.0506	.0529	-.0243	-.0470	-.0253	-.0065	.0401	.0403	.0732	.0765
178	STOMION-TO-VERTEX	.1749	-.0585	-.0267	.0153	.0742	.0747	.0722	-.0036	-.0253	.0409	.0040	.0567	.0523	.0912	.0926
179	MENTON-TO-VERTEX	.1274	-.0112	.0110	.0650	.1100	.1303	.1317	.0638	-.0409	.0542	.0954	.1122	.0981	.1450	.1412
180	TRAGION-TO-VERTEX	.1274	.0495	.0606	.0936	.1151	.1700	.1188	.0914	.0873	.1003	.0873	.1265	.1080	.1286	.1119

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
181 GLABELLA-TO-WALL	.2168	.1444	.1447	.1835	.1524	.2726	.2154	.2051	.1930	.1591	.1538	.2034	.1982	.2454	.2332
182 NASAL ROOT-TO-WALL	.2176	.1510	.1423	.1759	.1430	.2573	.2058	.2039	.1965	.1581	.1502	.2004	.1970	.2435	.2328
183 XTRNL CANTHUS-WALL	.1418	.1821	.1547	.1573	.0996	.2287	.1718	.1998	.2032	.1550	.1460	.1581	.1753	.1965	.1857
184 PRONASALE-TO-WALL	.2226	.2353	.1878	.2061	.1239	.2827	.2220	.2658	.2594	.2011	.1882	.2360	.2338	.2793	.2703
185 SUBNASALE-TO-WALL	.1946	.2345	.1842	.2083	.1335	.2719	.2124	.2685	.2679	.1912	.1839	.2238	.2121	.2536	.2444
186 LIP PROMIN"CE-WALL	.1822	.2589	.1988	.2179	.1530	.2854	.2293	.2862	.2881	.2070	.2013	.2327	.2177	.2513	.2405
187 CHIN PROMINCE-WALL	.1933	.3213	.2532	.2594	.1725	.3365	.2768	.3348	.3437	.2644	.2624	.2757	.2635	.3021	.2823
188 TRAGION-TO-WALL	.0526	.1374	.1081	.1056	.0704	.1346	.0907	.1439	.1486	.0906	.0932	.0973	.0957	.1200	.1165
189 GUESSED HEIGHT	.4704	.2095	.1625	.2247	.1900	.2314	.3350	.2869	.2634	.2410	.2019	.3784	.3459	.6155	.6249
190 GUESSED WEIGHT	.6318	.7224	.7140	.7750	.7366	.6761	.8034	.7795	.7980	.8185	.7801	.8876	.8554	.8209	.7656

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL --1967

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1	AGE	.1811	.0106	.2429	.1067	.1853	.0159	.2029	.0800	.0343	-.0065	.1372	.0488	.0529	.1176	.0146
2	WEIGHT	.4683	.3366	.6621	.5227	.5629	.3558	.7230	.5942	.6156	.5904	.4913	.5133	.6974	.6785	.6162
3	SKF SUBSCAP"R-LNGE	.2522	.0565	.3833	.1792	.2943	.0489	.4168	.2199	.3891	.2876	.3123	.2864	.3542	.3680	.3239
4	SKF TRICEPS-LANGE	.2206	.1214	.3417	.2247	.2766	.1289	.3831	.2725	.3713	.2948	.2602	.2602	.3567	.3569	.3502
5	SKF JUX"NIPPLE-LGE	.2773	.0577	.4198	.2142	.3400	.0879	.4302	.2450	.3735	.2681	.3273	.2867	.3623	.3912	.3332
6	SKF MAL XIPH"D-LGE	.2442	.0563	.3859	.1895	.2973	.0551	.4083	.2405	.4074	.3006	.3172	.2863	.4262	.3710	.3357
7	SKF SUPRAILIAC-LGE	.2341	.0644	.3493	.1934	.2795	.0846	.3514	.2561	.4658	.3755	.3400	.3404	.3269	.4097	.4018
8	SKF SUPRAPATELLA-L	.2024	.1282	.3129	.2138	.2568	.1193	.4124	.2506	.3537	.2817	.2273	.2236	.3342	.3023	.3086
9	SKF SUBSCAP"R-HARP	.2540	.0475	.3869	.1710	.2988	.0478	.3955	.2094	.3848	.2823	.3395	.3121	.3715	.3688	.3022
10	SKF TRICEPS-HARP"N	.2588	.1294	.3646	.2233	.2965	.1203	.3989	.2590	.4089	.3266	.3077	.2955	.4148	.3592	.3531
11	SKF SUPRAILIAC-HPN	.2336	.0713	.3414	.1933	.2725	.0875	.3900	.2600	.4565	.3655	.3389	.3395	.4000	.4054	.3952
12	GRIP STRENGTH	.1670	.1857	.2137	.2502	.1696	.1847	.2432	.2878	.1837	.2265	.1285	.1375	.2501	.2053	.1752
13	HEIGHT (STATURE)	.4003	.4532	.5283	.5868	.5196	.5281	.5504	.6021	.2808	.3376	.2517	.2799	.5490	.5320	.4646
14	CERVICALE HEIGHT	.3915	.4376	.5127	.5614	.5108	.5090	.5483	.5930	.2870	.3388	.2498	.2769	.5827	.5629	.4739
15	ACROMION HEIGHT	.4059	.4409	.5255	.5585	.5535	.5361	.5902	.6209	.3118	.3527	.2724	.2984	.5657	.5486	.5088
16	RADIALE HEIGHT	.4253	.4614	.5596	.5840	.5964	.5702	.6160	.6362	.3395	.3753	.2956	.3217	.5889	.5711	.5485
17	STYLION HEIGHT	.4124	.4574	.5331	.5616	.5844	.5626	.5956	.6140	.3294	.3619	.2789	.3040	.5620	.5386	.5509
18	DACTYLION HEIGHT	.3985	.4343	.5227	.5384	.5785	.5448	.5817	.5902	.3270	.3486	.2849	.3063	.5463	.5272	.5460
19	SUPRASTERNALE HGHT	.4213	.4420	.5807	.6171	.5405	.5181	.5324	.5733	.3132	.3543	.2472	.2710	.5566	.5450	.4634
20	NIPPLE HEIGHT	.3930	.4336	.5061	.5548	.5054	.5054	.5000	.4645	.2715	.3182	.2464	.2743	.4961	.4839	.4326
21	WAIST HT-OMPHALION	.3872	.4392	.3643	.4382	.3724	.4080	.3946	.4667	.2573	.3109	.2573	.2500	.4130	.3861	.3387
22	ILIOCRISTALE 4T	.3310	.3481	.3905	.4218	.3689	.3581	.4288	.3911	.2575	.2959	.2274	.1884	.4381	.4266	.3500
23	BUTTOCK HEIGHT	.2759	.2897	.3235	.3467	.3281	.3130	.3630	.4100	.1899	.2280	.1702	.1666	.3565	.3611	.2808
24	TROCHANTERION HGHT	.2821	.3008	.3294	.3668	.3167	.3174	.3631	.3835	.1796	.2170	.1666	.1448	.3665	.3635	.2804
25	GLUTEAL FURROW HGT	.2582	.2814	.3106	.3430	.3114	.3078	.3444	.3696	.1335	.1709	.1277	.1082	.3212	.3265	.2435
26	CROTCH HEIGHT	.1937	.2921	.2411	.3244	.2447	.3012	.2874	.4040	.1320	.1918	.0805	.0900	.3071	.2720	.2328
27	PATELLA TOP HEIGHT	.2597	.2942	.3497	.3811	.3248	.3181	.3682	.4157	.2051	.2387	.1585	.1727	.3805	.3553	.2908
28	KNEE CIRC HEIGHT	.2753	.2882	.3404	.3766	.3277	.3257	.3732	.4053	.2132	.2487	.1713	.1864	.3900	.3642	.3037
29	FIBULAR HEIGHT	.2646	.2628	.3163	.3547	.3184	.3213	.3530	.3451	.1702	.2195	.1382	.1629	.3496	.3267	.2761
30	CALF HEIGHT	.2442	.2710	.2730	.2844	.2799	.2585	.3200	.3451	.1817	.2152	.1455	.1589	.3243	.3147	.2824
31	ANKLE HEIGHT	.2058	.1710	.2103	.1923	.1912	.1516	.1672	.1498	.1105	.1414	.1460	.1459	.1705	.2033	.1128
32	SITTING HEIGHT	.4627	.5420	.6279	.7230	.6326	.6751	.5235	.6978	.3058	.3667	.2997	.3346	.6203	.6102	.5568
33	EYE HEIGHT/SITTING	.4236	.5204	.6001	.7097	.6002	.6514	.5964	.6802	.2782	.3353	.2776	.3062	.5870	.5748	.5226
34	MIDSHOULDER HT/SIT	.4589	.5318	.5216	.6955	.6804	.7011	.6891	.7554	.3365	.3519	.3233	.3477	.6483	.6463	.6161
35	ACROMION H"GHT/SIT	.4368	.5033	.5947	.6610	.6655	.6835	.6773	.7426	.3265	.2468	.3170	.3426	.6116	.6119	.6090
36	ELBOW REST HGT/SIT	.3116	.3637	.4402	.4860	.5239	.5418	.4359	.5380	.2505	.2939	.2542	.2675	.4356	.4431	.4924
37	KNEE HEIGHT/SITT"G	.3089	.3190	.3982	.4188	.3690	.3462	.4377	.4602	.2483	.1496	.2014	.2270	.4339	.4137	.3408
38	POPLITEAL HGHT/SIT	.2204	.2677	.2534	.3239	.2640	.3044	.2816	.3504	.0874	.1632	.0865	.1112	.2703	.2617	.1987
39	BUTTOCK-KNEE LNGTH	.3111	.2998	.4033	.3656	.3608	.2780	.3787	.4070	.3948	.3678	.2759	.3030	.4929	.4492	.4115
40	BUTTOCK-POPLITEAL	.2556	.2400	.3121	.3055	.3055	.2330	.2475	.3589	.3672	.3670	.2658	.2976	.4490	.4165	.3753
41	ACRM-BICEP CIR LVL	.1893	.1754	.2088	.2079	.1922	.1525	.3656	.2603	.1407	.1632	.1505	.1693	.2537	.2663	.2139
42	SHOULDER-ELBOW LTH	.2486	.2659	.3066	.3397	.2978	.2920	.3522	.4021	.1585	.1977	.1380	.1571	.3455	.3369	.2592
43	ACROMION-RADIALE L	.2313	.2369	.2796	.3040	.2797	.2725	.3327	.3841	.1511	.1718	.1356	.1458	.3252	.3194	.2556
44	ELBOW-WRIST LENGTH	.2297	.2542	.3041	.3324	.2773	.2760	.3214	.3661	.1667	.2099	.1138	.1423	.2933	.3012	.2403
45	RADIALE-STYLION LH	.2230	.2349	.2917	.3125	.2707	.2513	.3100	.3473	.1406	.1748	.1016	.1150	.2670	.2795	.2077

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 ELBOW-GRIP LENGTH	.2586	.2877	.3062	.3404	.3011	.3048	.3420	.3775	.1796	.2185	.1340	.1554	.3356	.3133	.2641
47 THUMB-TIP REACH	.2321	.2452	.3202	.3258	.2944	.2657	.3389	.3524	.1773	.2214	.1583	.1591	.3447	.3407	.2466
48 THUMB-TIP R"CH/XTD	.2211	.2484	.2817	.3104	.2571	.2577	.3063	.3319	.1537	.2028	.1268	.1345	.2954	.2817	.2149
49 SLEEVE INSEAM	.1853	.2052	.2319	.2808	.2119	.2357	.2494	.3044	.0764	.1316	.0795	.0959	.2370	.2376	.1423
50 BIACROMIAL BREADTH	.2570	.2341	.3262	.3067	.2528	.2016	.3171	.2833	.2594	.3015	.2190	.2283	.3190	.3010	.2190
51 BIDELTOID BREADTH	.3523	.2343	.4779	.3570	.3917	.2210	.5274	.4076	.4955	.4716	.4038	.4064	.4981	.4836	.4432
52 CHEST BREADTH	.3339	.1698	.4619	.3291	.3895	.2092	.5194	.3962	.4276	.3894	.3774	.3558	.4267	.4331	.3887
53 WAIST BRDTH-OMPH"N	.3551	.1574	.4462	.3464	.4520	.1925	.5845	.4079	.5055	.4376	.3996	.3817	.5448	.5533	.4824
54 BICRISTALE BREADTH	.2164	.1323	.4126	.2829	.3520	.1696	.4548	.3290	.3399	.3094	.1925	.1914	.4342	.3977	.3658
55 HIP BREADTH	.3758	.3076	.5295	.4462	.4517	.3174	.5708	.4957	.5240	.5031	.4032	.4420	.5771	.5485	.5193
56 HIP BREADTH SIT"G	.3841	.2688	.5532	.4418	.4621	.2972	.6034	.4993	.5485	.5211	.4268	.4666	.5919	.5688	.5311
57 ELBOW BRDTH BONE/R	.2568	.2846	.3521	.3667	.3033	.2813	.3687	.3817	.2313	.2760	.1792	.1900	.3448	.3208	.2698
58 ELBOW BRDTH BONE/L	.2574	.2768	.3515	.3775	.2996	.2915	.3804	.4100	.2286	.2597	.1703	.1880	.3550	.3304	.2801
59 F"ARM-F"ARM BR"DTH	.2711	.1583	.3948	.2594	.3191	.1440	.4475	.3306	.4436	.4022	.3480	.3454	.4210	.4030	.3775
60 KNEE BR"DTH BONE/R	.3179	.3332	.4323	.4219	.3826	.3309	.4503	.4648	.3698	.4095	.2903	.3306	.4846	.4664	.4212
61 KNEE BR"DTH BONE/L	.3222	.3330	.4423	.4293	.3920	.3345	.4706	.4712	.3681	.4070	.2914	.3288	.4905	.4755	.4249
62 CHEST DEPTH	.3359	.1381	.4757	.3637	.3488	.1285	.5271	.3765	.4424	.3779	.3983	.3723	.4450	.4655	.3666
63 WAIST DEPTH-OMPH"N	.3350	.0523	.5362	.2632	.4366	.1069	.5568	.3093	.4410	.3430	.3506	.3224	.4621	.4851	.4131
64 BUTTOCK DEPTH	.3793	.2147	.5264	.3381	.4388	.1985	.5624	.3834	.5921	.5120	.4459	.4496	.5666	.5422	.5314
65 THIGH CLEARANCE HT	.2792	.2071	.4165	.3082	.3442	.1936	.4840	.3871	.5446	.5044	.3822	.4203	.5337	.4698	.4940
66 NECK CIRC -MAXIMUM	.3404	.1929	.4500	.2967	.3930	.1941	.5020	.3690	.4099	.3809	.3497	.3386	.4495	.4584	.3978
67 SHOULDER CIRCUM"CE	.3659	.2309	.4968	.3744	.3974	.2230	.5652	.4544	.4776	.4560	.4085	.4094	.5085	.4995	.4426
68 CHEST CIRC AT SCYE	.3748	.1779	.4867	.3229	.3849	.1589	.5388	.3907	.4888	.4277	.4085	.4338	.4505	.4798	.3937
69 CHEST CIRCUMF"ENCE	.3646	.1511	.5060	.3262	.3987	.1648	.5635	.4020	.4859	.4300	.4406	.4195	.4675	.4890	.4079
70 WAIST CIR-OMPHAL"N	.3466	.1070	.5619	.3271	.4531	.1576	.6066	.3942	.5060	.4180	.3996	.3863	.5460	.5597	.4828
71 WAIST CIR-OMPH/SIT	.3460	.0655	.5414	.2731	.4355	.1090	.5778	.3342	.4887	.3999	.4000	.3817	.5066	.5265	.4532
72 BUTTOCK CIRCUM"CE	.4178	.3053	.5927	.4517	.4975	.2983	.6419	.5112	.6262	.5928	.4769	.5159	.6554	.6256	.5968
73 BUTTOCK CIRCUM/SIT	.3827	.2592	.5821	.4401	.4817	.2794	.6357	.5007	.5701	.5283	.4246	.4410	.6148	.5840	.5522
74 VERTICAL TRUNK CIR	.5749	.4869	.7718	.6713	.7464	.5715	.8314	.7252	.5845	.5794	.5079	.5252	.7729	.7581	.7225
75 VERT TRUNK CIR/SIT	.5434	.5045	.7313	.6958	.7194	.6152	.7876	.7463	.5373	.5422	.4696	.4958	.7458	.7343	.6951
76 SCROTALE-ANT WAIST	.5074														
77 SCROTALE-A WAIST/S	.7759	.4069													
78 SCRTL-SUPRASTERNLE	.4841	.6398	.7153												
79 SCRTL-SUPRSTRNLE/S	.7670	.8507	.8851	.5140											
80 SCRTL-ANT SCYE LVL	.4026	.6527	.5140	.4675	.6589										
81 SCRTL-ANT SCYE L/S	.7365	.8799	.9163	.8314	.5560	.6589									
82 SCRTL-A MIDSHOULDR	.4698	.6347	.6783	.6456	.3284	.4226	.7516								
83 SCRTL-A MDSHLDR/S	.1670	.3366	.2842	.3652	.2142	.2613	.7516	.3809							
84 SCROTALE-PST WAIST	.1270	.3692	.2455	.3652	.1881	.2809	.3284	.3706	.8825						
85 SCRTL-WAIST OVR BK	.4368	.1342	.4223	.2856	.3598	.1883	.4150	.3067	.5762	.5098					
86 SCROTALE-P WAIST/S	.4413	.1750	.4201	.3024	.3668	.2153	.4226	.3293	.5883	.5553	.9291				
87 SCRTL-WAIST/BUTT/S	.2480	.4116	.4834	.4680	.3024				.4484						
88 SCROTALE-CERVICALE	.4407	.6332	.5948	.4637	.5811	.3549	.5383	.5126	.5205	.4816	.4484	.4680	.7648		
89 SCROTALE-CERVCLE/S	.1943	.2491	.3934	.4824	.4095	.4657	.4802	.5508	.8087	.7340	.4246	.4465	.9103	.6636	
90 SCRTL-PST SCYE LVL	.3940														

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	SCRTL-PST SCYE L/S	.4048	.2011	.5594	.3597	.5670	.3170	.6051	.4370	.4896	.4407	.7222	.6885	.6561	.9124	.7053
92	SCRTL-P MIDSHOULDR	.2990	.4222	.5132	.5424	.4769	.4578	.5576	.5743	.8162	.7551	.4866	.5051	.9286	.7313	.9011
93	SCRTL-MDSHLD OVR B	.2486	.4435	.4604	.5408	.4404	.4762	.5066	.5631	.7451	.8305	.4422	.4773	.8798	.6859	.8451
94	SCRTL-P MDSHLDR/S	.4731	.2527	.6468	.4326	.6053	.3279	.6595	.4759	.5369	.4900	.7225	.6920	.7066	.9314	.6583
95	SCRTL-MDSHLD O B/S	.4794	.2984	.5423	.4758	.6130	.3876	.6517	.5257	.5341	.5021	.6879	.7217	.7127	.9015	.6643
96	UPPER THIGH CIRCUM	.3587	.2321	.4931	.3476	.4159	.2167	.5422	.4066	.6130	.5774	.4561	.5035	.5728	.5395	.5360
97	UPPER THIGH C/SIT	.3594	.2418	.5058	.3658	.4202	.2249	.5577	.4256	.6020	.5672	.4450	.4894	.5775	.5460	.5332
98	KNEE CIRCUMFERENCE	.3797	.3090	.5347	.4357	.4510	.2949	.5815	.4921	.5418	.5478	.4450	.4476	.6076	.5707	.5278
99	KNEE CIRCUM"CE/SIT	.3913	.3112	.5308	.4261	.4500	.2381	.5816	.4932	.5294	.5328	.4141	.4476	.5867	.5689	.5148
100	CALF CIRCUMF/RIGHT	.2973	.2102	.4157	.3195	.3389	.1978	.4675	.3811	.4739	.4774	.3779	.4124	.4697	.4438	.4141
101	CALF CIRCUMF/LEFT	.3045	.2286	.4229	.3285	.3424	.2039	.4723	.3887	.4791	.4844	.3820	.4180	.4749	.4539	.4199
102	ANKLE CIRCUMF"ENCE	.3141	.2830	.4067	.3454	.3521	.2489	.4480	.3929	.4210	.4488	.3326	.3654	.4619	.4396	.4091
103	SCYE CIRCUMFERENCE	.3412	.2378	.4771	.3712	.3712	.2092	.5356	.4423	.4456	.4306	.3763	.3819	.4996	.5015	.3999
104	BICEPS C-EXTEND/RT	.3159	.1761	.4507	.3042	.3548	.1611	.5015	.3674	.5082	.4727	.3951	.3957	.4754	.4581	.4186
105	BICEPS C-EXTEND/LT	.3097	.1734	.4435	.3009	.3389	.1493	.4966	.3647	.5064	.4686	.3822	.3810	.4729	.4504	.4170
106	BICEPS C-FLEXED/RT	.2863	.1806	.4172	.3038	.3149	.1573	.4755	.3755	.4818	.4652	.3593	.3648	.4701	.4399	.3994
107	BICEPS C-FLEXED/LT	.2874	.1623	.4262	.3106	.3211	.1620	.4845	.3794	.4860	.4648	.3416	.3648	.4740	.4350	.4074
108	ELBOW CIR C-EXTENDED	.3341	.2663	.4856	.3968	.4001	.2589	.5351	.4616	.4835	.4819	.3813	.4028	.5435	.5142	.4687
109	ELBOW CIRC-FLEXED	.2848	.2542	.3682	.3121	.3128	.2137	.4124	.3588	.3431	.3635	.2764	.3023	.3970	.3912	.3258
110	LOWER ARM C-EXTEND	.3377	.2515	.4789	.3735	.3916	.2329	.5261	.4378	.4030	.4200	.3813	.3521	.5245	.5054	.4493
111	LOWER ARM C-FLEXED	.3048	.2413	.4202	.3410	.3445	.2185	.4737	.4057	.2871	.3253	.3337	.2480	.4495	.4444	.3799
112	WRIST CIRCUMF"ENCE	.2954	.2641	.4177	.3895	.3555	.2835	.4479	.4194	.2756	.2711	.2517	.2933	.4148	.4122	.3391
113	SLVE L/SPINE-SCYE	.2838	.1898	.3606	.2891	.3005	.1903	.4029	.3397	.2871	.3075	.3075	.2652	.3188	.3542	.2795
114	SLVE L/SPINE-ELBOW	.3134	.2792	.4019	.3978	.3424	.2921	.4447	.4429	.2756	.3080	.2502	.2652	.4239	.4136	.3137
115	SLVE L/SPINE-WRIST	.3153	.3107	.4132	.4262	.3598	.3282	.4583	.4747	.2665	.3034	.2329	.2518	.4377	.4273	.3217
116	ANTERIOR NECK LGTH	-.0759	-.1196	-.1928	-.0394	-.0516	-.1350	-.1073	-.0539	-.1324	-.0452	-.1347	-.0912	-.0005	-.0283	.0403
117	POSTERIOR NECK LTH	-.0137	.0720	.0621	.1345	.0474	.1136	.0458	.1103	-.0401	-.0232	-.0031	-.0049	-.0435	-.0292	.0228
118	SHOULDER LENGTH	.1618	.1842	.1849	.2278	.1658	.1852	.1851	.2146	.1534	.1576	.1409	.1593	.2625	.2210	.1265
119	DELTOID ARC	.1636	.1721	.2150	.2410	.2022	.2007	.2745	.3076	.2536	.2044	.1366	.1415	.2826	.2921	.2832
120	INTERSCYE	.2021	.1036	.2238	.0850	.1651	.0022	.1867	.0573	.1717	.2410	.2309	.2219	.1952	.2223	.1704
121	INTERSCYE MAXIMUM	.3317	.2306	.4795	.4032	.3763	.2473	.5082	.4411	.3854	.3797	.3223	.3233	.4891	.4761	.3615
122	WAIST FRONT-OMPH"N	.2486	.1306	.5743	.6213	.5749	.3768	.6666	.5297	.2760	.2486	.2176	.2052	.5210	.5530	.4305
123	CROTCH LGTH-OMPH"N	.6278	.4885	.6066	.4852	.5591	.3753	.6251	.4958	.6761	.6565	.6191	.6407	.6141	.5819	.5783
124	WAIST BACK-OMPHL"N	.2182	.2832	.4869	.5073	.4937	.4738	.5198	.5402	.1226	.1575	.0508	.0646	.6517	.6393	.5070
125	FOOT LENGTH	.2645	.3072	.3411	.3602	.3186	.3085	.3734	.3995	.2375	.2941	.1822	.2080	.4060	.3808	.3234
126	INSTEP LENGTH	.2312	.2551	.3327	.3287	.3016	.2736	.3553	.3655	.2200	.2654	.1604	.1890	.3773	.3552	.2826
127	FOOT BREADTH	.2609	.2741	.3224	.3358	.2869	.2786	.3485	.3687	.2320	.2719	.1726	.2105	.3344	.3086	.2712
128	BALL-OF-FOOT CIRC	.2910	.3132	.3635	.3532	.3251	.2822	.3835	.3711	.3154	.3703	.2369	.2635	.3850	.3580	.3246
129	INSTEP CIRCUMF"NCE	.3376	.2959	.4123	.3494	.3776	.2725	.4381	.3798	.3364	.3789	.2960	.3218	.4031	.4133	.3370
130	HEEL CIRCUMFERENCE	.3606	.3554	.4562	.4414	.4126	.3481	.4890	.4783	.3725	.4233	.2973	.3252	.5055	.4802	.4199
131	BI-MALLEOLAR BRDTH	.3081	.3122	.3840	.3657	.3463	.2914	.3726	.3562	.2691	.3319	.2302	.2517	.3531	.3432	.2959
132	LAT"L MALLEOLUS HT	.2353	.2302	.2627	.2370	.2527	.2021	.2688	.2508	.1980	.2261	.1667	.1853	.2806	.2769	.2593
133	MED"L MALLEOLUS HT	.2182	.2773	.2779	.3192	.2754	.2875	.2780	.3163	.1920	.2376	.1387	.1853	.3042	.2851	.2605
134	HAND LENGTH	.2478	.3004	.3055	.3403	.2898	.2977	.3260	.3584	.1779	.2411	.1387	.1647	.3257	.3074	.2564
135	PALM LENGTH	.2097	.2413	.2511	.2711	.2470	.2443	.2696	.2862	.1563	.2020	.1384	.1573	.2710	.2645	.2159

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
136	HAND BR/METACARPLE	.2117	.2726	.3124	.3561	.2706	.2864	.3550	.3909	.2381	.2827	.1587	.1764	.3405	.2954	.2686
137	HAND BRTH AT THUMB	.2611	.2819	.3305	.3461	.3025	.2862	.3558	.3673	.2276	.2812	.1810	.1895	.3265	.3021	.2573
138	HAND C/METACARPALE	.2720	.2847	.3587	.3493	.3134	.2676	.3868	.3765	.2751	.3170	.2128	.2302	.3690	.3467	.2898
139	HAND C ROUND THUMB	.3231	.2973	.4195	.3879	.3622	.2889	.4411	.4136	.3229	.3663	.2693	.2846	.4212	.4025	.3253
140	HAND THICK/META-3	.1419	.1527	.2045	.2100	.1881	.1711	.2374	.2481	.1148	.1325	.0973	.0970	.1213	.1928	.1582
141	HEAD CIRCUMFERENCE	.2270	.1888	.2862	.2588	.2510	.2003	.3045	.2790	.2430	.2547	.2052	.2082	.2892	.2784	.2595
142	SAGITTAL ARC/INION	.0419	.0931	.0716	.1171	.0662	.1086	.0993	.1404	.0469	.0822	.0408	.0371	.0689	.0609	.0921
143	MINIMUM FRONTL ARC	.1002	.0682	.1117	.0669	.0544	.0014	.1170	.0817	.1054	.1162	.0707	.0780	.1290	.1276	.1308
144	BITRAGION-CORONAL	.1657	.1283	.2161	.1903	.1983	.1571	.2397	.2169	.1807	.1909	.1456	.1592	.2597	.2406	.2277
145	BITRAGN-MIN FRNTAL	.2102	.1761	.2475	.2222	.2129	.1704	.2834	.2670	.1878	.1980	.1647	.1730	.2648	.2584	.2280
146	BITRAG"N-SUBNASALE	.2319	.1880	.3030	.2452	.2461	.1550	.3269	.2742	.2887	.2901	.2345	.2525	.3158	.3033	.2803
147	BITRAGION-MENTON	.2918	.2370	.3867	.3204	.3299	.2222	.4168	.3554	.3208	.3179	.2757	.2786	.3825	.3784	.3324
148	BIT-SUBMANDIBULAR	.3204	.1986	.4447	.3226	.3615	.1911	.4410	.3191	.3522	.3352	.3232	.3173	.4022	.4134	.3371
149	BITRAG"N-POSTERIOR	.1529	.1073	.2138	.1856	.1805	.1206	.2210	.1741	.2063	.2036	.1350	.1422	.2025	.2188	.1964
150	HEAD LENGTH	.1581	.1602	.1924	.2017	.1704	.1534	.2027	.2113	.1573	.1726	.1248	.1258	.1975	.1780	.1732
151	HEAD DIAGNL/MENTON	.1983	.2352	.2717	.2857	.2492	.2386	.3040	.3145	.2187	.2511	.1439	.1514	.3064	.2633	.2670
152	HD DIAG/INION-NOSE	.1549	.1502	.1807	.1750	.1613	.1367	.1892	.1828	.1459	.1531	.0931	.0856	.1813	.1542	.1510
153	EAR BREADTH	.1650	.0801	.1774	.1226	.1732	.0962	.1593	.1121	.1087	.1071	.1452	.1349	.1412	.1697	.1239
154	EAR LENGTH	.2339	.1134	.3053	.2351	.2699	.1620	.3101	.2447	.1312	.1177	.1914	.1615	.2163	.2627	.1661
155	EAR L ABVE TRAGION	.0959	.0417	.0863	.0680	.0922	.0654	.1149	.1001	.0121	.0000	.0683	.0499	.0455	.0898	.0576
156	HEAD BREADTH	.1578	.0883	.1962	.1322	.1766	.0993	.2169	.1622	.1663	.1715	.1463	.1478	.1979	.2062	.1758
157	MAXIMUM FRONTAL BR	.1312	.1239	.1798	.1718	.1570	.1371	.2359	.2330	.1483	.1569	.0958	.1072	.2187	.1982	.1861
158	BITRAGION BREADTH	.2461	.1438	.2907	.1852	.2629	.1286	.2994	.2023	.2203	.2135	.1997	.1917	.2434	.2604	.2241
159	BIZYGOMATIC BR"DTH	.2410	.1597	.3126	.2243	.2693	.1499	.3389	.2579	.2546	.2448	.2154	.2072	.2966	.2992	.2545
160	BIGONIAL BREADTH	.1720	.0987	.2774	.2137	.2078	.1201	.3323	.2803	.2360	.1919	.1772	.1502	.2871	.2675	.2508
161	EAR-TO-EAR BREADTH	.1845	.1332	.2329	.1821	.2213	.1466	.2272	.1760	.1387	.1439	.1351	.1303	.2073	.2139	.1699
162	BIOCULAR BREADTH	.0735	.0752	.0920	.0850	.0741	.0645	.1303	.1306	.0956	.0937	.0795	.0867	.1153	.1151	.1073
163	INTERPUPILLARY BRD	.1101	.0746	.1123	.0953	.0971	.0732	.1488	.1392	.0834	.0782	.0676	.0727	.1176	.1200	.1029
164	INTEROCULAR BR"DTH	.0786	.0296	.0611	.0379	.0514	.0262	.0691	.0526	.0815	.1095	.0627	.0743	.0698	.0700	.0615
165	NOSE BREADTH	.1228	.0488	.1415	.0671	.1009	.0146	.1228	.0470	.1019	.1095	.0959	.0842	.0730	.0792	.0606
166	LIP LENGTH	.1161	.0879	.1411	.1278	.1052	.0803	.1587	.1446	.0847	.0814	.0596	.0416	.1191	.1033	.0911
167	EAR PROTRUSION	.1094	.0614	.1304	.0974	.1116	.0601	.0970	.0570	.0678	.0635	.0765	.0719	.0875	.0939	.0642
168	SUBNASALE-NASAL RT	.1408	.1095	.1521	.1348	.1506	.1256	.1285	.1138	.0384	.0690	.0922	.0910	.0827	.1170	.0643
169	PHILTRUM LENGTH	.1151	.0689	.1107	.1064	.1235	.0506	.1251	.0818	.0528	.0777	.0515	.0807	.0692	.1058	.0394
170	LIP-TO-LIP LENGTH	-.0786	-.0093	-.1107	-.0583	-.0864	-.0256	-.0897	-.0505	-.0095	-.0067	-.0515	-.0129	-.0199	-.0394	-.0208
171	MENTON-SUBNASALE L	.0866	.1081	.1150	.0936	.0855	.0416	.1132	.0904	.0779	.1271	.0712	.0893	.1260	.1383	.0927
172	MENTON-NASAL ROOT	.1661	.1647	.1963	.1674	.1753	.1246	.1912	.1642	.1052	.1575	.1292	.1368	.1751	.2046	.1330
173	GLABELLA-TO-VERTEX	-.0257	-.0204	-.0326	-.0338	-.0434	-.0321	.0095	.0803	.0064	.0036	-.0155	.0007	.0355	.0115	.0847
174	NASAL ROOT-TO-VRTX	-.0225	-.0433	.0251	.0828	.0143	.0741	.0584	.1205	.0406	.0333	-.0186	-.0348	.0789	.0529	.1108
175	XTRNL CANTHUS-VRTX	.0480	.0613	.0567	.1052	.0433	.0971	.0850	.1415	.0567	.0535	.0399	.0530	.1037	.0868	.1229
176	PRONASALE-TO-VRTX	.0361	.0539	.0443	.0993	.0322	.0894	.0684	.1303	.0154	.0204	.0150	.0275	.0705	.0557	.0914
177	SUBNASALE-TO-VRTX	.0420	.0749	.0623	.1309	.0499	.1180	.0921	.1640	.0359	.0455	.0210	.0353	.1034	.0793	.1203
178	STOMION-TO-VERTEX	.0706	.0956	.0869	.1521	.0672	.1298	.1094	.1778	.0457	.0608	.0458	.0600	.1173	.1022	.1214
179	MENTON-TO-VERTEX	.0977	.1271	.1258	.1679	.1011	.1332	.1504	.1950	.0784	.1022	.0739	.0879	.1527	.1464	.1527
180	TRAGION-TO-VERTEX	.1026	.0902	.1104	.1008	.1017	.0953	.1241	.1231	.0898	.0919	.0721	.0820	.1282	.1239	.1323

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
181 GLABELLA-TO-WALL	.1565	.1626	.1866	.2005	.1658	.1661	.2024	.2171	.1665	.1849	.1277	.1305	.2168	.1943	.1930
182 NASAL ROOT-TO-WALL	.1559	.1626	.1879	.2018	.1679	.1659	.1998	.2134	.1654	.1847	.1346	.1364	.2164	.1996	.1881
183 XTRNL CANTHUS-WALL	.1330	.1161	.1573	.1447	.1403	.1139	.1575	.1472	.1410	.1511	.1263	.1077	.1734	.1661	.1444
184 PRONASALE-TO-WALL	.1695	.1706	.2181	.1998	.2000	.1533	.2225	.2038	.1752	.1974	.1489	.1433	.2291	.2231	.1793
185 SUBNASALE-TO-WALL	.1466	.1515	.1876	.1633	.1736	.1304	.1903	.1604	.1709	.1937	.1385	.1385	.2071	.1986	.1634
186 LIP PROMIN"CE-WALL	.1487	.1404	.1902	.1499	.1763	.1189	.1933	.1514	.1751	.1938	.1431	.1413	.2026	.1992	.1582
187 CHIN PROMINCE-WALL	.1776	.1485	.2245	.1637	.2192	.1391	.2383	.1768	.1913	.1974	.1642	.1539	.2236	.2269	.1798
188 TRAGION-TO-WALL	.0813	.0701	.0907	.0643	.0904	.0548	.0805	.0502	.0945	.1013	.0741	.0595	.1047	.1009	.0782
189 GUESSED HEIGHT	.3902	.4347	.5044	.5568	.5010	.5041	.5313	.5795	.2870	.3381	.2495	.2800	.5348	.5140	.4537
190 GUESSED WEIGHT	.4603	.3457	.6563	.5355	.5645	.3767	.7180	.6071	.5972	.5796	.4754	.4974	.7008	.6762	.6146

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1	AGE	.0836	.0723	.0417	.1257	.0858	-.0251	-.0014	.0710	.0789	.0141	.0066	.0071	.1063	.1127	.1028
2	WEIGHT	.5976	.7470	.7040	.7206	.7124	.8598	.8820	.8479	.8547	.7783	.7855	.6936	.7410	.7977	.8068
3	SKF SUBSCAP"R-LNGE	.3437	.3849	.3000	.4043	.3489	.5474	.5515	.4265	.4358	.3957	.3942	.2857	.4402	.5242	.5411
4	SKF TRICEPS-LANGE	.3330	.3561	.2963	.3524	.3308	.5580	.5754	.4636	.4592	.3820	.3845	.2927	.3690	.5036	.5278
5	SKF JUX"NIPPLE-LGE	.3683	.3899	.2997	.4214	.3625	.5714	.5835	.4691	.4781	.4037	.4048	.2964	.4108	.5315	.5492
6	SKF MAL XIPH"D-LGE	.3468	.3920	.3005	.4089	.3625	.6119	.6173	.4732	.4858	.4186	.4191	.3036	.4581	.5791	.6019
7	SKF SUPRAILIAC-LGE	.3885	.4376	.3608	.4335	.4000	.6789	.6830	.5211	.5152	.4671	.4704	.3449	.4581	.5848	.6083
8	SKF SUPRAPATELLA-L	.2812	.3446	.2794	.3167	.2940	.5467	.5584	.5088	.5127	.4654	.4605	.3715	.3363	.5029	.5187
9	SKF SUBSCAP"R-HARP	.3440	.3784	.2930	.4137	.3618	.5504	.5647	.4373	.4454	.4013	.3997	.2925	.4400	.5353	.5559
10	SKF TRICEPS-HARP"N	.3315	.3854	.3186	.3524	.3524	.6518	.6546	.4801	.4731	.3987	.3957	.3129	.3954	.5322	.5548
11	SKF SUPRAILIAC-HPN	.3864	.4253	.3487	.4247	.3939	.6646	.6956	.5088	.4976	.4491	.4527	.3332	.4482	.5751	.5964
12	GRIP STRENGTH	.1363	.2543	.2798	.2072	.2151	.2353	.2513	.3225	.3075	.3025	.3075	.3255	.3156	.3259	.3086
13	HEIGHT (STATURE)	.4415	.5302	.5578	.5059	.5373	.2246	.2492	.4205	.4395	.2402	.2587	.3219	.3580	.1457	.1447
14	CERVICALE HEIGHT	.4489	.5399	.5638	.5171	.5464	.2358	.2645	.4336	.4518	.2377	.2555	.3142	.3590	.1567	.1579
15	ACROMION HEIGHT	.4871	.5644	.5835	.5417	.5704	.2756	.3000	.4499	.4719	.2560	.2756	.3309	.3829	.1875	.1861
16	RADIALE HEIGHT	.5277	.5959	.6135	.5721	.5999	.3082	.3306	.4627	.4822	.2709	.2921	.3491	.3688	.2203	.2172
17	STYLION HEIGHT	.5244	.5752	.5908	.5459	.5690	.2837	.3043	.4239	.4440	.2432	.2623	.3385	.3301	.2087	.2127
18	DACTYLION HEIGHT	.5249	.5618	.5695	.5348	.5541	.2884	.3018	.3917	.4144	.2278	.2470	.2973	.2948	.2013	.2083
19	SUPRASTERNALE HGHT	.4484	.5413	.5572	.5251	.5500	.2586	.2941	.4514	.4708	.2631	.2825	.3290	.3888	.1876	.1859
20	NIPPLE HEIGHT	.4166	.4823	.5062	.4661	.4965	.2100	.2322	.3865	.4108	.2065	.2275	.2818	.3208	.1208	.1212
21	WAIST HT-OMPHALION	.3054	.4040	.4335	.3756	.4092	.1595	.1811	.3433	.3764	.1745	.1935	.2537	.2954	.0812	.0828
22	ILIOCRISTALE HT	.3359	.4246	.4383	.4162	.4395	.2422	.2717	.4112	.4435	.2248	.2448	.2832	.3535	.1452	.1558
23	BUTTOCK HEIGHT	.2876	.3554	.3606	.3620	.3829	.1952	.2266	.3501	.3903	.1795	.1959	.2325	.3100	.1090	.1218
24	TROCHANTERION HGHT	.2778	.3494	.3712	.3498	.3760	.1520	.1828	.3406	.3763	.1518	.1734	.2202	.3003	.0726	.0835
25	GLUTEAL FURROW HGT	.2500	.3106	.3217	.3208	.3412	.1442	.1770	.3050	.3495	.1481	.1669	.1945	.2793	.0730	.0809
26	CROTCH HEIGHT	.1958	.2856	.3212	.2593	.2868	.1105	.1435	.2994	.3261	.1214	.1386	.1947	.2420	.0228	.0343
27	PATELLA TOP HEIGHT	.2665	.3741	.3824	.3557	.3754	.1842	.2094	.3836	.4073	.2043	.2227	.2630	.3207	.1248	.1290
28	KNEE CIRC HEIGHT	.2779	.3744	.3866	.3578	.3781	.1937	.2192	.3912	.4103	.2090	.2281	.2694	.3202	.1220	.1320
29	FIBULAR HEIGHT	.2504	.3313	.3511	.3167	.3436	.1629	.1972	.3416	.3748	.1909	.2062	.2477	.2909	.0969	.1045
30	CALF HEIGHT	.2758	.3190	.3325	.3183	.3317	.1964	.2253	.3421	.3751	.1148	.1422	.1640	.2710	.1012	.1212
31	ANKLE HEIGHT	.1484	.2290	.2412	.2512	.2616	.0649	.0705	.1793	.2136	.0450	.0477	.1037	.1766	.0197	.0311
32	SITTING HEIGHT	.5361	.5938	.6256	.5615	.6000	.2376	.2478	.3890	.3708	.2473	.2626	.3314	.3195	.1846	.1740
33	EYE HEIGHT/SITTING	.5000	.5545	.5865	.5214	.5602	.1997	.2118	.3570	.3364	.2175	.2301	.2959	.2837	.1595	.1478
34	MIDSHOULDER HT/SIT	.6040	.6396	.6617	.6260	.6640	.2974	.3159	.4237	.4137	.2719	.2851	.3424	.3614	.2446	.2354
35	ACROMION H"GHT/SIT	.6002	.6088	.6254	.5952	.6326	.2964	.3128	.4084	.3981	.2586	.2723	.3222	.3425	.2420	.2293
36	ELBOW REST HGT/SIT	.4942	.4443	.4495	.4374	.4592	.2280	.2307	.2421	.2158	.1709	.1780	.2097	.1470	.2120	.1927
37	KNEE HEIGHT/SITT"G	.3211	.4223	.4382	.4083	.4347	.2767	.3078	.4753	.4948	.2999	.3167	.3430	.3775	.1969	.2022
38	POPLITEAL HGHT/SIT	.1897	.2518	.2857	.2481	.2811	.0389	.0678	.2078	.2312	.0855	.1031	.1635	.2046	-.0168	-.0132
39	BUTTOCK-KNEE LNGTH	.3638	.5132	.5039	.4669	.4792	.4567	.4746	.5350	.5742	.3736	.3902	.3729	.4476	.3235	.3357
40	BUTTOCK-POPLITEAL	.3385	.4549	.4411	.4200	.4324	.4175	.4321	.4668	.4839	.3253	.3382	.3065	.3899	.2850	.3012
41	ACRM-BICEP CIR LVL	.2157	.2652	.2713	.2649	.2824	.1371	.1478	.2395	.2497	.1427	.1526	.1878	.2406	-.0112	.0492
42	SHOULDER-ELBOW LTH	.2424	.3336	.3474	.3178	.3450	.1414	.1658	.3130	.3346	.1625	.1787	.2090	.3393	.0855	.0885
43	ACROMION-RADIALE L	.2436	.3126	.3151	.3029	.3241	.1417	.1703	.2914	.3182	.1558	.1684	.1860	.3266	.0888	.0905
44	ELBOW-WRIST LENGTH	.2129	.3232	.3403	.2998	.3279	.1806	.2098	.3328	.3514	.2010	.2131	.2332	.3135	.1510	.1334
45	RADIALE-STYLION LH	.1921	.2897	.3047	.2765	.2994	.1735	.2029	.3183	.3463	.1997	.2065	.2252	.2875	.1353	.1270

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

#	Measurement	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
46	ELBOW-GRIP LENGTH	.2393	.3411	.3571	.3179	.3446	.1592	.2009	.3398	.3565	.1905	.1992	.2472	.3083	.1406	.1240
47	THUMB-TIP REACH	.2407	.3417	.3566	.3394	.3496	.1764	.2054	.3355	.3532	.1938	.2007	.2189	.3178	.1458	.1390
48	THUMB-TIP R"CH/XTD	.1972	.2978	.3259	.2866	.3028	.1599	.1845	.3004	.3169	.1856	.1931	.2137	.2913	.1354	.1345
49	SLEEVE INSEAM	.1370	.2101	.2393	.2137	.2414	.0618	.0709	.2138	.2360	.0801	.0959	.1149	.2106	-.0295	-.0187
50	BIACROMIAL BREADTH	.1990	.3495	.3589	.3330	.3289	.3070	.3133	.3617	.3619	.3358	.3311	.3160	.3421	.3068	.3106
51	BIDELTOID BREADTH	.4299	.5672	.5268	.5452	.5202	.6949	.7056	.6288	.6378	.6187	.6131	.5144	.6121	.6597	.7324
52	CHEST BREADTH	.3956	.5058	.4588	.5027	.4742	.6382	.6503	.5731	.5962	.6080	.5479	.4642	.5681	.6975	.6654
53	WAIST BRDTH-OMPH"N	.3928	.5976	.5234	.6061	.5826	.7744	.7931	.7084	.7193	.6080	.6080	.5206	.6252	.6774	.7114
54	BICRISTALE BREADTH	.3308	.4568	.4135	.4305	.4161	.5224	.5559	.5658	.5551	.4351	.4371	.4103	.4558	.4872	.4951
55	HIP BREADTH	.4847	.6073	.5758	.5695	.5859	.7667	.7755	.7507	.7381	.6215	.6221	.5733	.5781	.6248	.6368
56	HIP BREADTH SITT"G	.4995	.6220	.5841	.5894	.6022	.8307	.8473	.7824	.7731	.6728	.6758	.5858	.6040	.6821	.6936
57	ELBOW BRDTH BONE/R	.2411	.3563	.3738	.3317	.3405	.2689	.2875	.4407	.4731	.3165	.3204	.3734	.3784	.3402	.3281
58	ELBOW BRDTH BONE/L	.2514	.3577	.3663	.3318	.3451	.2749	.2909	.4541	.4463	.3328	.3387	.3892	.3786	.3486	.3540
59	F"ARM-F"ARM BR"DTH	.3698	.4797	.4359	.4553	.4246	.6285	.6446	.5670	.5715	.5481	.5433	.4442	.5546	.6900	.6871
60	KNEE BR"DTH BONE/R	.3961	.5036	.5150	.4678	.4921	.4898	.5014	.7288	.6817	.5649	.5568	.6132	.4617	.4554	.4449
61	KNEE BR"DTH BONE/L	.4038	.5064	.5179	.4739	.4957	.4865	.4948	.7253	.6763	.5582	.5716	.6062	.4665	.4481	.4401
62	CHEST DEPTH	.3944	.4857	.4224	.4936	.4610	.6508	.6837	.6041	.6080	.5350	.5342	.4304	.5554	.6380	.6890
63	WAIST DEPTH-OMPH"N	.4460	.5095	.4146	.5367	.4871	.6750	.6923	.6014	.6763	.5700	.6338	.4546	.5942	.7003	.6498
64	BUTTOCK DEPTH	.5099	.6199	.5413	.5954	.5734	.7988	.8070	.6846	.6974	.6287	.6782	.5230	.5886	.7189	.7154
65	THIGH CLEARANCE HT	.4533	.5664	.5195	.5218	.5186	.8332	.8393	.6806	.6840	.6749	.5128	.5388	.5688	.6529	.7295
66	NECK CIRC -MAXIMUM	.4172	.5166	.4754	.5235	.4952	.5634	.5859	.5430	.5549	.5133	.5128	.5302	.5596	.7536	.5564
67	SHOULDER CIRCUM"CE	.4365	.5686	.4876	.5532	.5343	.7128	.7319	.6512	.6840	.6254	.6234	.5142	.6519	.7492	.7683
68	CHEST CIRC AT SCYE	.4286	.5453	.4886	.5532	.5341	.7154	.7297	.6227	.6541	.6254	.6266	.5116	.6570	.7524	.7540
69	CHEST CIRCUMF"ENCE	.4330	.5482	.4886	.5579	.5243	.7299	.7440	.6485	.6741	.6265	.6266	.5116	.6570	.7133	.7541
70	WAIST CIR-OMPHAL"N	.5028	.5855	.4983	.6015	.5650	.7754	.7358	.6964	.6974	.6061	.6095	.4975	.6333	.6937	.7319
71	WAIST CIR-OMPH/SIT	.4800	.5561	.4659	.5783	.5363	.7410	.7605	.6607	.8127	.5952	.5934	.4827	.6107	.7581	.7103
72	BUTTOCK CIRCUMF"CE	.5632	.6966	.6508	.6090	.6636	.8972	.9075	.8185	.8200	.7220	.7286	.5933	.6701	.7180	.7676
73	BUTTOCK CIRCUM/SIT	.5176	.6457	.5961	.6090	.6010	.8200	.8493	.7833	.7719	.6798	.6825	.5933	.6360	.5803	.7342
74	VERTICAL TRUNK CIR	.7051	.8159	.7960	.7840	.7920	.6592	.6692	.6869	.6984	.6798	.6825	.5600	.6060	.5163	.5731
75	VERT TRUNK CIR/SIT	.6752	.7834	.7723	.7582	.7792	.5977	.6057	.6336	.6424	.5682	.5769	.5600	.5599	.3761	.5070
76	SCROTALE-ANT WAIST	.4048	.2990	.2486	.4731	.4794	.3587	.3594	.3797	.3913	.2973	.3045	.5096	.3412	.1761	.3097
77	SCROTALE-A WAIST/S	.2011	.4222	.4435	.2527	.2984	.2321	.2418	.3090	.3112	.2102	.2286	.2830	.2378	.4507	.1734
78	SCRTL-SUPRASTERNLE	.5594	.5132	.4435	.6468	.6423	.4931	.5058	.5347	.5308	.4157	.4229	.4067	.4771	.3042	.4435
79	SCRTL-SUPRSTRNLE/S	.3597	.5424	.5408	.4326	.4758	.3476	.3658	.4357	.4261	.3195	.3285	.3454	.3711	.3548	.3009
80	SCRTL-ANT SCYE LVL	.5570	.4769	.4404	.6053	.6130	.4159	.4202	.4510	.4500	.3389	.3424	.3521	.3712	.2092	.3389
81	SCRTL-ANT SCYE L/S	.3170	.4578	.4762	.3279	.3876	.2167	.2249	.2949	.2881	.1978	.2039	.2489	.2092	.3674	.1493
82	SCRTL-A MIDSHOULDR	.6051	.5576	.5056	.6595	.6617	.5422	.5577	.5815	.5846	.4675	.4723	.4480	.5356	.5015	.4966
83	SCRTL-A MDSHLDR/S	.4370	.5743	.5631	.4759	.4066	.4256	.4256	.4921	.4932	.3811	.3887	.3929	.4423	.3674	.3647
84	SCROTALE-PST WAIST	.4896	.8162	.7451	.5369	.5257	.6130	.6020	.5418	.5294	.4739	.4791	.4210	.4456	.5082	.5064
85	SCRTL-WAIST OVR BK	.4407	.7551	.8305	.4900	.5341	.5774	.5572	.5478	.5328	.4774	.4844	.4488	.4306	.4727	.4686
86	SCROTALE-P WAIST/S	.7222	.4866	.4422	.6920	.6879	.5021	.6020	.4031	.4141	.3779	.3820	.3326	.3819	.3951	.3822
87	SCRTL-WAIST/BUTT/S	.6885	.5051	.4773	.7066	.7217	.5035	.5775	.4446	.4475	.4124	.4180	.3654	.3763	.4082	.3957
88	SCROTALE-CERVICALE	.6561	.9286	.8798	.7066	.5728	.5728	.5775	.6075	.5867	.4697	.4749	.4619	.4996	.4754	.4729
89	SCROTALE-CERVCLE/S	.9124	.7313	.6859	.9314	.9015	.5395	.5460	.5707	.5689	.4438	.4539	.4396	.5015	.4581	.4504
90	SCRTL-PST SCYE LVL	.7053	.9011	.8451	.6583	.6643	.5360	.5332	.5278	.5148	.4141	.4199	.4091	.3999	.4186	.4170

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

No.	Measurement	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
91	SCRTL-PST SCYE L/S		.6784	.6287	.9031	.8652	.4995	.5004	.4889	.4953	.3877	.3981	.3925	.4070	.4057	.3966
92	SCRTL-P MIDSHOULDR	.6784		.9284	.7704	.7733	.6295	.6361	.6345	.6302	.5176	.5222	.5049	.5449	.5453	.5407
93	SCRTL-MDSHLD OVR B	.6287	.9284		.7137	.7283	.5823	.5884	.6197	.6107	.5061	.5116	.5130	.4995	.5449	.5407
94	SCRTL-P MDSHLDR/S	.9031	.7704	.7137		.9506	.5893	.5971	.5930	.6081	.4844	.4916	.4792	.5367	.5156	.5156
95	SCRTL-MDSHLD O B/S	.8652	.7733	.7283	.9506		.5937	.6008	.5997	.6127	.4891	.4974	.4877	.5280	.5156	.5092
96	UPPER THIGH CIRCUM	.4995	.6295	.5823	.5893	.5937		.9543	.7720	.7797	.7618	.7511	.5420	.6335	.5007	.4882
97	UPPER THIGH C/SIT	.5004	.6361	.5884	.5971	.6008	.9543		.7868	.7958	.7603	.7618	.5500	.6260	.7746	.7851
98	KNEE CIRCUMFERENCE	.4889	.6345	.6197	.5930	.5997	.7720	.7868		.9098	.7525	.7439	.7066	.6212	.7950	.8008
99	KNEE CIRCUM"CE/SIT	.4953	.6302	.6107	.6081	.6127	.7797	.7958	.9098		.7603	.7439	.7181	.6174	.6771	.6817
100	CALF CIRCUMF/RIGHT	.3877	.5176	.5061	.4844	.4891	.7618	.7603	.7525	.7603		.9592	.7066	.7181	.7066	.6836
101	CALF CIRCUMF/LEFT	.3981	.5222	.5116	.4916	.4974	.7511	.7618	.7439	.7439	.9592		.7534	.7439	.7534	.6937
102	ANKLE CIRCUMF/LEFT	.3925	.5049	.5130	.4792	.4877	.5420	.5500	.7066	.7181	.7066	.7534		.4806	.5724	.5723
103	SCYE CIRCUMFERENCE	.4070	.5449	.4995	.5367	.5280	.6335	.6260	.6212	.6174	.7181	.7439	.4806		.6756	.6697
104	BICEPS C-EXTEND/RT	.4057	.5453	.5449	.5156	.5156	.5007	.7746	.7950	.6771	.7066	.7534	.5724	.6756		.9184
105	BICEPS C-EXTEND/LT	.3966	.5407	.5407	.5156	.5092	.4882	.7851	.8008	.6817	.6836	.6937	.5723	.6697	.9184	
106	BICEPS C-FLEXED/RT	.3752	.5254	.4931	.4828	.4721	.7424	.7594	.6608	.6640	.6776	.6733	.5627	.6705	.9321	.8918
107	BICEPS C-FLEXED/LT	.3689	.5328	.4956	.4858	.4666	.7507	.7643	.6620	.6542	.6715	.6735	.5553	.6551	.8826	.9440
108	ELBOW CIR C-EXTENDED	.4438	.5923	.5716	.5533	.5488	.6519	.6837	.7079	.7023	.6506	.6510	.6085	.5608	.7467	.7525
109	ELBOW CIRC-FLEXED	.3294	.4440	.4475	.4289	.4341	.4722	.4961	.5144	.5218	.4638	.4695	.4364	.5884	.5023	.4867
110	LOWER ARM C-EXTEND	.4389	.5816	.5610	.5526	.5461	.6860	.7005	.7081	.7030	.6809	.6808	.6167	.6872	.8204	.7772
111	LOWER ARM C-FLEXED	.3857	.5024	.4982	.4857	.4810	.5974	.6202	.6218	.6246	.6170	.6164	.5507	.6386	.7467	.7052
112	WRIST CIRCUMF"ENCE	.3378	.4325	.4244	.4236	.4205	.4207	.4434	.5710	.5637	.4796	.4797	.5407	.5407	.5023	.4867
113	SLVE L/SPINE-SCYE	.3186	.3894	.3570	.4058	.4025	.4104	.4235	.4041	.4200	.3816	.3714	.3471	.4640	.4189	.4358
114	SLVE L/SPINE-ELBOW	.3029	.4248	.4306	.4172	.4247	.3259	.3507	.4539	.4651	.3350	.3372	.3383	.4429	.2825	.3069
115	SLVE L/SPINE-WRIST	.3125	.4371	.4463	.4267	.4445	.3185	.3496	.4652	.4836	.3335	.3399	.3429	.4451	.2802	.2882
116	ANTERIOR NECK LGTH	-.0026	-.0239	-.0443	-.0656	-.0211	-.2373	-.2386	-.1298	-.1305	-.1588	-.1523	-.0577	-.1555	-.2722	-.2619
117	POSTERIOR NECK LTH	-.0324	-.0112	-.0032	-.0117	-.0097	-.1360	-.1155	-.0533	-.0565	-.0431	-.0388	-.0261	-.0431	-.0779	-.1135
118	SHOULDER LENGTH	.0826	.2353	.2559	.2048	.2147	.1509	.1579	.2180	.2200	.2010	.1910	.2063	.2328	.1422	.1520
119	DELTOID ARC	.2860	.2712	.2689	.2783	.2890	.1646	.1686	.2424	.2231	.1373	.1476	.1760	.2243	.0715	.0987
120	INTERSCYE	.2004	.2956	.2573	.3132	.2904	.3617	.3601	.2956	.3346	.3206	.3071	.2610	.2854	.3743	.3795
121	INTERSCYE MAXIMUM	.3497	.5216	.4994	.5040	.4942	.4883	.5173	.5477	.5468	.4802	.4837	.4312	.5689	.5510	.5521
122	WAIST FRONT-OMPH"N	.4695	.5088	.4710	.5385	.5166	.6004	.4251	.4576	.4391	.3436	.3492	.3084	.3968	.3916	.3922
123	CROTCH LGTH-OMPH"N	.5428	.6643	.6329	.6206	.6224	.6833	.6774	.6368	.6473	.5574	.5638	.5249	.5117	.5613	.5673
124	WAIST BACK-OMPHL"N	.4935	.5335	.5413	.5198	.5331	.1943	.2199	.3554	.3317	.1975	.2040	.2580	.2744	.1658	.1679
125	FOOT LENGTH	.2968	.4042	.4348	.3764	.4013	.2308	.2565	.4520	.4611	.3351	.3406	.4587	.3243	.1845	.1833
126	INSTEP LENGTH	.2616	.3703	.3879	.3439	.3639	.2401	.2578	.4303	.4329	.3268	.3287	.4125	.3034	.2133	.1951
127	FOOT BREADTH	.2465	.3576	.3713	.3292	.3547	.4076	.3330	.4449	.4455	.4181	.4217	.4854	.3377	.2910	.2924
128	BALL-OF-FOOT CIRC	.2985	.4381	.4619	.4001	.4114	.4227	.4227	.5297	.5492	.5365	.5320	.6026	.4183	.3925	.3844
129	INSTEP CIRCUMF"NCE	.3542	.4592	.4759	.4530	.4625	.4715	.4867	.6012	.6232	.5986	.5986	.6780	.4537	.4483	.4410
130	HEEL CIRCUMFERENCE	.3979	.5316	.5491	.5011	.5183	.4520	.4747	.6504	.6499	.5834	.5842	.7072	.4739	.4158	.4097
131	BI-MALLEOLAR BROTH	.2793	.4131	.4423	.3894	.4062	.3250	.3298	.5305	.5252	.4784	.4617	.6131	.3561	.3159	.2871
132	LAT"L MALLEOLUS HT	.2578	.3006	.3118	.3069	.3102	.2063	.2171	.2951	.3134	.2175	.2421	.3527	.2543	.3159	.1989
133	MED"L MALLEOLUS HT	.2383	.3058	.3332	.2868	.3070	.1829	.1958	.3685	.3383	.2686	.2818	.3527	.2543	.1693	.1660
134	HAND LENGTH	.2392	.3369	.3725	.3191	.3433	.1524	.1761	.3547	.3704	.2289	.2443	.3478	.2970	.1542	.1409
135	PALM LENGTH	.2069	.2914	.3121	.2711	.2960	.1415	.1514	.3061	.3140	.2009	.2142	.2954	.2516	.1393	.1326

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
136	HAND BR/METACARPLE	.2271	.3443	.3734	.3036	.3137	.2652	.2877	.4312	.4255	.3654	.3681	.4496	.3597	.3401	.3140
137	HAND BRTH AT THUMB	.2356	.3655	.3899	.3278	.3407	.2723	.3024	.4208	.4369	.3824	.3815	.4600	.3672	.3482	.3136
138	HAND C/METACARPALE	.2772	.4040	.4237	.3785	.3865	.3258	.3433	.4805	.4771	.4313	.4333	.5158	.4202	.4148	.3779
139	HAND C ROUND THUMB	.3170	.4605	.4773	.4338	.4391	.4012	.4224	.5383	.5361	.5056	.5025	.5622	.4910	.5042	.4624
140	HAND THICK/META-3	.1607	.1913	.1927	.1874	.1822	.1259	.1502	.2455	.2315	.1944	.1906	.2450	.2047	.2084	.1939
141	HEAD CIRCUMFERENCE	.2464	.3275	.3259	.3045	.3048	.2813	.2903	.3241	.3223	.2819	.2816	.2907	.3099	.2917	.2919
142	SAGITTAL ARC/INION	.0776	.0798	.0992	.0743	.0758	.0733	.0730	.0948	.1018	.0985	.0951	.1140	.0847	.0759	.0843
143	MINIMUM FRONTL ARC	.1286	.1601	.1510	.1553	.1431	.1543	.1546	.1809	.1830	.1519	.1426	.1971	.1407	.1551	.1621
144	BITRAGION-CORONAL	.2133	.2543	.2575	.2410	.2407	.2065	.2070	.2321	.2211	.2023	.2023	.2102	.2084	.1847	.1930
145	BITRAGN-MIN FRNTAL	.2246	.2726	.2630	.2619	.2681	.2359	.2497	.3032	.3065	.2530	.2507	.2752	.2945	.2529	.2563
146	BITRAG"N-SUBNASALE	.2698	.3598	.3424	.3441	.3474	.3584	.3611	.3840	.3922	.3468	.3450	.3512	.3995	.3808	.3831
147	BITRAGION-MENTON	.3285	.4267	.4024	.4163	.4101	.3982	.4111	.4489	.4528	.3784	.3765	.3837	.4583	.4360	.4315
148	BIT-SUBMANDIBULAR	.3517	.4550	.4171	.4585	.4327	.4104	.4156	.4410	.4446	.3620	.3628	.3459	.4559	.4447	.4403
149	BITRAG"N-POSTERIOR	.1644	.2591	.2597	.2299	.2240	.2248	.2263	.2480	.2267	.1742	.1807	.1822	.2346	.2284	.2319
150	HEAD LENGTH	.1522	.2243	.2333	.1932	.1978	.1561	.1605	.2135	.2159	.1744	.1782	.1946	.2011	.1618	.1584
151	HEAD DIAGNL/MENTON	.2243	.3247	.3145	.2704	.2819	.2359	.2505	.3234	.3243	.2745	.2761	.3006	.2770	.2401	.2370
152	HD DIAG/INION-NOSE	.1202	.2076	.2140	.1704	.1713	.1481	.1596	.2083	.2110	.1607	.1628	.1777	.1890	.1575	.1555
153	EAR BREADTH	.1541	.1696	.1606	.1966	.1965	.1119	.1090	.1687	.1647	.1444	.1459	.1431	.1459	.1083	.0998
154	EAR LENGTH	.2131	.2317	.2161	.2739	.2682	.1561	.1651	.2219	.2343	.1764	.1770	.1927	.2356	.1979	.1931
155	EAR L ABVE TRAGION	.1006	.0458	.0458	.0860	.0877	.0508	.0444	.0702	.0806	.0547	.0546	.0625	.0807	.0304	.0353
156	HEAD BREADTH	.1851	.2256	.2215	.2315	.2239	.2179	.2351	.2402	.2358	.2296	.2238	.2220	.2364	.2490	.2469
157	MAXIMUM FRONTAL BR	.1667	.2178	.2139	.2011	.1989	.1916	.2042	.2679	.2572	.2191	.2087	.2333	.2402	.2191	.2134
158	BITRAGION BREADTH	.2399	.3127	.2919	.3172	.3041	.2851	.3009	.3327	.3446	.2894	.2841	.2932	.3239	.3338	.3254
159	BIZYGOMATIC BR"DTH	.2504	.3409	.3178	.3350	.3187	.3246	.3431	.3770	.3839	.3255	.3185	.3303	.3701	.3925	.3956
160	BIGONIAL BREADTH	.2312	.2697	.2369	.2582	.2364	.2915	.3110	.3340	.3246	.2860	.2817	.2804	.3425	.3618	.3783
161	EAR-TO-EAR BREADTH	.1797	.2322	.2291	.2417	.2363	.1573	.1729	.2315	.2242	.1955	.1980	.2198	.1818	.1749	.1754
162	BIOCULAR BREADTH	.1102	.1242	.1124	.1241	.1291	.1200	.1301	.1737	.1739	.1442	.1387	.1502	.1478	.1235	.1202
163	INTERPUPILLARY BRD	.1067	.1210	.1117	.1236	.1206	.1016	.1113	.1765	.1794	.1090	.1035	.1376	.1639	.1077	.1097
164	INTEROCULAR BR"DTH	.0629	.0968	.0913	.1105	.1071	.1115	.1145	.1537	.1645	.1215	.1151	.1567	.1372	.1102	.0989
165	NOSE BREADTH	.0587	.1348	.1272	.1388	.1285	.1201	.1250	.1463	.1563	.1304	.1215	.1496	.1724	.1850	.1472
166	LIP LENGTH	.0724	.1388	.1334	.1193	.1113	.1077	.0937	.1139	.1291	.1056	.0926	.1415	.1620	.1407	.1744
167	EAR PROTRUSION	.0732	.1048	.0978	.1193	.1201	.0820	.0855	.1139	.1101	.1073	.1088	.1291	.0546	.0674	.0691
168	SUBNASALE-NASAL RT	.0970	.1254	.1385	.1376	.1438	.0416	.0453	.1229	.1305	.1076	.1018	.1210	.0814	.0307	.0286
169	PHILTRUM LENGTH	.0818	.0989	.1022	-.0526	.1101	.0816	.0837	.1061	.1259	.1076	.1018	.1169	.1256	-.1011	-.0920
170	LIP-TO-LIP LENGTH	-.0388	-.0424	-.0258	-.1428	-.1501	-.0295	-.0408	-.0393	-.0440	-.0531	-.0419	-.0396	-.0599	-.1150	-.1119
171	MENTON-SUBNASALE L	.1101	.1354	.1297	.2151	.2226	.1060	.1082	.1422	.1503	.1595	.1273	.1424	.1405	-.1345	-.1259
172	MENTON-NASAL ROOT	.1649	.2022	.2297	.2046	.2151	.1213	.1320	.2046	.2225	.1596	.1667	.2008	.1812	-.0457	-.0172
173	GLABELLA-TO-VERTEX	.0505	.0030	.0076	-.0102	.0058	-.0035	-.0084	.0134	-.0043	.0235	.0284	.0533	.0089	-.0121	-.0133
174	NASAL ROOT-TO-VRTX	.0759	.0477	.0471	.0324	.0514	-.0272	.0230	.0589	.0394	.0515	.0571	.0325	.0043	-.0394	-.0416
175	XTRNL CANTHUS-VRTX	.0961	.0737	.0735	.0509	.0511	.0609	.0563	.0905	.0705	.0761	.0804	.0615	.0044	-.0243	-.0148
176	PRONASALE-TO-VRTX	.0590	.0417	.0497	.0298	.0718	-.0019	-.0019	.0599	.0400	.0344	.0376	.0841	.0272	-.0069	-.0024
177	SUBNASALE-TO-VRTX	.0865	.0707	.0823	.0762	.0982	-.0147	-.0139	.0854	.0627	.0545	.0600	.0725	.0479	-.0243	.0171
178	STOMION-TO-VERTEX	.0993	.0877	.1021	.1153	.1478	-.0266	.0253	.1021	.0853	.0725	.0793	.1029	.1093	.0532	.0734
179	MENTON-TO-VERTEX	.1418	.1365	.1529	.1278	.1478	.0759	.0782	.1501	.1405	.1184	.1271	.1500	.0910	.0532	.0734
180	TRAGION-TO-VERTEX	.1243	.1236	.1225	.1153	.1219	.1259	.1179	.1344	.1235	.1304	.1353	.1318	.0996	.0797	.0996

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
181 GLABELLA-TO-WALL	.1672	.2373	.2479	.2051	.2121	.1715	.1773	.2320	.2299	.1907	.1923	.2173	.2101	.1753	.1740
182 NASAL ROOT-TO-WALL	.1701	.2369	.2486	.2081	.2130	.1561	.1726	.2260	.2253	.1853	.1872	.2147	.2056	.1681	.1642
183 XTRNL CANTHUS-WALL	.1358	.1986	.2054	.1770	.1680	.1290	.1378	.1600	.1707	.1373	.1391	.1423	.1657	.1541	.1454
184 PRONASALE-TO-WALL	.1765	.2595	.2679	.2370	.2337	.1889	.1973	.2460	.2565	.1949	.1979	.2204	.2390	.2029	.1876
185 SUBNASALE-TO-WALL	.1594	.2469	.2523	.2210	.2164	.1953	.2031	.2226	.2365	.1933	.1946	.2018	.2282	.2059	.1920
186 LIP PROMIN"CE-WALL	.1597	.2437	.2469	.2235	.2152	.2132	.2213	.2263	.2393	.1958	.1986	.1983	.2379	.2283	.2126
187 CHIN PROMINCE-WALL	.1868	.2744	.2640	.2581	.2423	.2434	.2548	.2479	.2534	.2192	.2187	.2171	.2667	.2737	.2557
188 TRAGION-TO-WALL	.0742	.1416	.1444	.1218	.1110	.1033	.1024	.0927	.1067	.0901	.0883	.0896	.0973	.1079	.0965
189 GUESSED HEIGHT	.4259	.5239	.5479	.4974	.5310	.2547	.2729	.4308	.4465	.2566	.2756	.3296	.3667	.1708	.1671
190 GUESSED WEIGHT	.5900	.7447	.7110	.7121	.7080	.8160	.8404	.8274	.8325	.7468	.7568	.6812	.7228	.7604	.7674

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

#		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
1	AGE	.0460	.0444	.1154	.0839	.1189	.0879	.1531	.1402	.0542	.0215	-.2240	-.1042	-.0032	-.0361	.1393
2	WEIGHT	.7759	.7871	.7822	.5973	.7888	.7135	.2568	.2427	.5538	.5856	-.1829	-.0532	.2805	.3044	.4012
3	SKF SUBSCAP"R-LNGE	.4673	.4870	.3998	.2314	.4224	.3345	.2597	.1872	.1714	.1302	-.3649	-.1835	.0369	.1004	.2218
4	SKF TRICEPS-LANGE	.4358	.4623	.3575	.2033	.3527	.2819	.2568	.2534	.1838	.1747	-.3045	-.1249	.0429	.0966	.1143
5	SKF JUX"NIPPLE-LGE	.4459	.4731	.4009	.2227	.4046	.3153	.2705	.2782	.1600	.1348	-.3762	-.1650	.0211	.0818	.2356
6	SKF MAL XIPH"D-LGE	.5157	.5394	.4395	.2585	.4460	.3501	.2753	.2488	.1778	.1451	-.3687	-.1802	.0055	.0926	.2371
7	SKF SUPRAILIAC-LGE	.5354	.5607	.4473	.2623	.4644	.3743	.2688	.2064	.1920	.1693	-.3116	-.1659	.0409	.1306	.2317
8	SKF SUPRAPATELLA-L	.4669	.4766	.3884	.2399	.4062	.3462	.2991	.2618	.1469	.1401	-.2995	-.1258	.0540	.0394	.1606
9	SKF SUBSCAP"R-HARP	.4548	.4887	.4011	.2199	.4221	.3283	.2675	.1808	.1635	.1226	-.3873	-.2083	.0210	.0914	.2452
10	SKF TRICEPS-HARP"N	.4511	.4762	.3813	.2179	.3866	.2987	.2500	.2560	.1586	.1406	-.3272	-.1619	.0220	.0662	.1477
11	SKF SUPRAILIAC-HPN	.5261	.5495	.4460	.2564	.4587	.3726	.2834	.2889	.1911	.1680	-.3115	-.1591	.0404	.1258	.2127
12	GRIP STRENGTH	.3848	.3575	.4323	.4133	.4603	.4934	.3587	.2807	.3403	.3876	-.0473	.0488	.2313	.1578	.1239
13	HEIGHT (STATURE)	.1755	.1808	.3351	.3750	.2842	.3030	.3484	.2889	.6475	.7577	.2889	.2191	.3371	.4215	.1201
14	CERVICALE HEIGHT	.1872	.1926	.3451	.3794	.2907	.3068	.3539	.2705	.6549	.7703	.2416	.1145	.3459	.4327	.1186
15	ACROMION HEIGHT	.2020	.2134	.3581	.3864	.3065	.3176	.3506	.2506	.6278	.7438	.2153	.1306	.2487	.4627	.1198
16	RADIALE HEIGHT	.2323	.2433	.3782	.3830	.3275	.3264	.3485	.2271	.5298	.6456	.1843	.1232	.2204	.3958	.1062
17	STYLION HEIGHT	.2122	.2302	.3549	.3541	.3103	.3068	.2888	.2940	.4267	.5075	.1847	.1201	.1546	.3707	.0877
18	DACTYLION HEIGHT	.1980	.2182	.3067	.2963	.2716	.2602	.2334	.2460	.3661	.4259	.1442	.1081	.1062	.3381	.0698
19	SUPRASTERNALE HGHT	.2077	.2151	.3609	.3852	.3103	.3197	.3686	.2363	.6483	.7644	.1466	.1684	.3267	.4176	.1450
20	NIPPLE HEIGHT	.1470	.1537	.2991	.3445	.2468	.2720	.3118	.2679	.6075	.7269	.2081	.1673	.2890	.4309	.1064
21	WAIST HT-OMPHALION	.1134	.1157	.2527	.3359	.2031	.2385	.2824	.2313	.6180	.7467	.2374	.1436	.3183	.4029	.1306
22	ILIOCRISTALE HT	.1736	.1851	.3031	.3660	.2521	.2805	.3148	.2318	.6050	.7776	.1744	.1085	.3024	.4273	.1417
23	BUTTOCK HEIGHT	.1357	.1489	.2581	.3297	.2086	.2375	.2653	.2139	.6233	.7359	.1943	.1003	.3256	.3929	.1391
24	TROCHANTERION HGHT	.1039	.1164	.2368	.3169	.1856	.2231	.2734	.1858	.6040	.7564	.1932	.1115	.2955	.4015	.1166
25	GLUTEAL FURROW HGT	.1039	.1150	.2247	.3138	.1746	.2159	.2452	.2347	.5955	.7425	.1888	.1078	.2911	.3944	.1152
26	CROTCH HEIGHT	.0665	.0776	.1852	.2831	.1361	.1834	.2255	.2328	.5886	.7252	.2296	.1078	.2901	.3878	.0650
27	PATELLA TOP HEIGHT	.1477	.1558	.2865	.3474	.2373	.2709	.3135	.2157	.6002	.7338	.1267	.0934	.2759	.3528	.1379
28	KNEE CIRC HEIGHT	.1484	.1587	.2812	.3365	.2327	.2637	.3040	.1498	.5969	.7366	.1600	.0963	.3152	.3670	.1217
29	FIBULAR HEIGHT	.1240	.1327	.2434	.3051	.1996	.2355	.2799	.2808	.5240	.7307	.1903	.1086	.3149	.3802	.1043
30	CALF HEIGHT	.1325	.1476	.2482	.2985	.2035	.2295	.2464	.2597	.5969	.6418	.1918	.0894	.2672	.3546	.1259
31	ANKLE HEIGHT	.0283	.0454	.1674	.2407	.1409	.1585	.1723	.2923	.2999	.3718	.1334	.0374	.1662	.2030	.2114
32	SITTING HEIGHT	.2115	.2055	.3492	.3175	.3223	.2822	.3482	.2751	.4687	.5105	.3203	.2704	.2852	.3212	.0658
33	EYE HEIGHT/SITTING	.1878	.1794	.3218	.2870	.2928	.2822	.3358	.1424	.4430	.4823	.3128	.2760	.2663	.3086	.0301
34	MIDSHOULDER HT/SIT	.2545	.2543	.3852	.3187	.3562	.3333	.3745	.1825	.4369	.4769	.1796	.1276	.2323	.3479	.0278
35	ACROMION H"GHT/SIT	.2414	.2402	.3652	.3001	.3400	.3163	.3476	.2814	.3939	.4329	.1560	.1167	.0980	.3756	.0037
36	ELBOW REST HGT/SIT	.2026	.1940	.2438	.1306	.2385	.1944	.1966	.2392	-.0396	-.0492	.0440	.0711	-.0679	.0918	-.0880
37	KNEE HEIGHT/SIT"G	.2219	.2292	.3524	.3901	.3067	.1634	.3216	.1783	.6412	.7772	.1319	.1033	.3109	.3987	.1549
38	POPLITEAL HGHT/SIT	.0201	.0266	.1599	.2674	.1086	.1634	.2542	.2342	.5561	.7010	.2538	.1468	.2929	.3728	.0742
39	BUTTOCK-KNEE LNGTH	.3217	.3390	.4112	.4067	.3747	.3505	.3278	.2425	.5876	.6860	.0544	.0447	.2684	.3489	.2561
40	BUTTOCK-POPLITEAL	.2864	.3071	.3475	.3392	.3096	.2978	.2546	.2169	.5311	.6211	.0548	.0507	.2575	.3201	.2102
41	ACRM-BICEP CIR LVL	.0311	.0670	.1592	.1417	.1303	.1247	.2542	.2138	.4522	.4765	.1714	.0499	.0811	.4769	.1015
42	SHOULDER-ELBOW LTH	.0941	.1059	.2399	.2941	.2068	.2236	.2756	.2656	.6958	.7757	.1906	.0913	.2348	.4815	.1226
43	ACROMION-RADIALE L	.0981	.1064	.2262	.2872	.1889	.2173	.2646	.2342	.6614	.7459	.1911	.0961	.1933	.4934	.1406
44	ELBOW-WRIST LENGTH	.1860	.1711	.3068	.3612	.2475	.2753	.3363	.2753	.5502	.7639	.1311	.0874	.2737	.3176	.1480
45	RADIALE-STYLION LH	.1589	.1442	.2703	.3244	.2171	.2458	.3218	.2458	.5544	.7351	.0941	.0813	.2733	.3051	.1523

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
46	ELBOW-GRIP LENGTH	.1710	.1573	.3127	.3695	.2573	.2840	.3280	.2257	.5553	.7395	.1777	.0926	.2945	.3169	.1648
47	THUMB-TIP REACH	.1708	.1589	.2760	.3240	.2375	.2544	.3216	.2697	.5926	.6986	.1178	.0715	.3026	.3122	.1839
48	THUMB-TIP R"CH/XTD	.1606	.1521	.2675	.3149	.2270	.2590	.2891	.2342	.5419	.6404	.1337	.0756	.3062	.2932	.1573
49	SLEEVE INSEAM	.0128	.0211	.0825	.1913	.0576	.1044	.2362	.2131	.6436	.7492	.1959	.0168	.3111	.3476	.0814
50	BIACROMIAL BREADTH	.3257	.3348	.3614	.3474	.3729	.3710	.3246	.4447	.5179	.5020	.0071	-.0046	.5783	.1133	.4261
51	BIDELTOID BREADTH	.7022	.7183	.6592	.5224	.6764	.6268	.4645	.5657	.5073	.4827	-.1840	-.0798	.3355	.2409	.5597
52	CHEST BREADTH	.6286	.6332	.5929	.4773	.6001	.5678	.4273	.5370	.4366	.4174	-.2244	-.0863	.2149	.1634	.4833
53	WAIST BRDTH-OMPH"N	.6380	.6625	.6147	.4420	.6210	.5344	.4436	.4516	.4134	.4011	-.2846	-.1396	.1703	.2100	.3874
54	BICRISTALE BREADTH	.4451	.4677	.4789	.3735	.4779	.4116	.3747	.3757	.3838	.3922	-.1680	-.1040	.1836	.1852	.2731
55	HIP BREADTH	.5947	.6049	.6081	.4459	.5949	.5152	.4472	.3757	.4415	.4609	-.1136	-.0366	.2187	.2428	.2953
56	HIP BREADTH SITT"G	.6430	.6547	.6225	.4389	.6171	.5301	.4467	.3950	.4238	.4392	-.1803	-.0681	.1886	.2370	.2924
57	ELBOW BRDTH BONE/R	.3585	.3499	.4956	.4372	.4864	.4613	.4623	.2663	.4003	.4463	-.0200	-.0366	.2157	.1760	.1773
58	ELBOW BRDTH BONE/L	.3653	.3828	.5039	.4283	.4926	.4691	.4885	.2683	.4072	.4566	.0331	.0570	.2199	.2280	.1532
59	F"ARM-F"ARM BR"DTH	.6541	.6718	.6166	.4751	.6309	.5854	.5332	.4517	.3862	.3708	-.2252	-.0871	.1909	.1383	.3951
60	KNEE BR"DTH BONE/R	.4539	.4543	.5618	.4425	.5576	.5100	.5100	.3459	.4262	.4486	.0458	.0252	.2421	.2591	.2184
61	KNEE BR"DTH BONE/L	.4498	.4544	.5633	.4413	.5582	.5097	.5405	.3481	.4333	.4558	.0484	.0258	.2371	.2735	.2095
62	CHEST DEPTH	.6569	.6534	.6163	.4397	.6371	.5529	.4346	.4099	.3540	.3473	-.3147	-.1311	.1478	.1256	.3896
63	WAIST DEPTH-OMPH"N	.5678	.5875	.5537	.3671	.5689	.4743	.3943	.3619	.2876	.2625	-.3746	-.1409	.1151	.1333	.3223
64	BUTTOCK DEPTH	.7426	.6684	.6143	.4329	.6251	.5383	.4196	.3820	.3034	.3017	-.3017	-.1110	.1521	.1558	.3603
65	THIGH CLEARANCE HT	.7176	.7169	.6237	.4263	.6469	.5799	.4085	.3919	.2964	.2801	-.2250	-.0886	.1318	.1649	.2652
66	NECK CIRC -MAXIMUM	.6364	.6382	.6562	.4934	.6800	.6211	.4703	.4400	.3426	.3233	-.2641	-.1051	.1716	.1566	.3484
67	SHOULDER CIRCUM"CE	.7541	.7667	.6922	.5470	.7140	.6788	.5185	.6258	.5632	.5391	-.2015	-.0633	.3552	.2730	.4660
68	CHEST CIRC AT SCYE	.7172	.7212	.6823	.5527	.6995	.6524	.4581	.5712	.4531	.4463	-.2396	-.0803	.2420	.1787	.5408
69	CHEST CIRCUMF"ENCE	.7089	.7117	.6805	.5297	.6953	.6325	.4512	.5092	.4168	.4094	-.2823	-.1123	.1915	.1644	.5099
70	WAIST CIR-OMPHAL"N	.6517	.6771	.6240	.4246	.6347	.5397	.4437	.4366	.3741	.3526	-.3497	-.1430	.1441	.2014	.3433
71	WAIST CIR-OMPH/SIT	.6335	.6559	.6052	.4160	.6194	.5297	.4346	.4215	.3414	.3158	-.3636	-.1437	.1311	.1725	.3596
72	BUTTOCK CIRCUM/SIT	.7177	.7270	.7012	.5043	.7047	.6127	.5002	.4414	.4321	.4364	-.2188	-.0778	.2047	.2416	.3561
73	BUTTOCK CIRCUMF"CE	.6774	.6916	.6700	.4622	.6669	.5798	.4952	.4280	.4229	.4208	-.2529	-.0746	.1945	.2304	.2981
74	BUTTOCK CIRCUM/SIT	.5558	.5609	.6363	.4598	.6211	.5547	.5065	.4548	.5042	.5246	-.0424	.0166	.2482	.3166	.2898
75	VERT TRUNK CIR/SIT	.4983	.5012	.5795	.4598	.5677	.5045	.4575	.4131	.4842	.5114	-.0060	.0069	.2356	.3326	.2439
76	SCROTALE-ANT WAIST	.2863	.2874	.3341	.2848	.3377	.3048	.2954	.2838	.3134	.3153	-.0759	-.0137	.1618	.1636	.2021
77	SCROTALE-A WAIST/S	.1806	.1820	.2663	.2542	.2515	.2413	.2541	.1898	.2792	.3107	-.1196	-.0720	.1842	.1721	.1036
78	SCRTL-SUPRASTERNLE	.4172	.4262	.4856	.3682	.4789	.4202	.4177	.3606	.4019	.4132	-.1928	.0621	.1849	.2150	.2238
79	SCRTL-SUPRSTRNLE/S	.3038	.3106	.3968	.3121	.3735	.3410	.3855	.2891	.3978	.4262	-.0394	.1345	.2278	.2410	.0850
80	SCRTL-ANT SCYE LVL	.3211	.3211	.4001	.3128	.3916	.3445	.3555	.3005	.3424	.3598	-.0516	.0474	.1658	.2022	.1651
81	SCRTL-ANT SCYE L/S	.1573	.1620	.2589	.2137	.2329	.2185	.2835	.1903	.2921	.3282	-.1350	-.1136	.1852	.2007	.0022
82	SCRTL-A MIDSHOULDR	.4755	.4845	.5351	.4124	.5261	.4737	.4479	.4029	.4447	.4583	-.1073	-.0458	.1851	.2745	.1867
83	SCRTL-A MDSHLDR/S	.3755	.3794	.4616	.3588	.4378	.4057	.3199	.3397	.4429	.4747	-.0539	-.1103	.2146	.3076	.0573
84	SCROTALE-PST WAIST	.4818	.4860	.4819	.3431	.4835	.4030	.2871	.2711	.2756	.3034	-.1324	-.0401	.1717	.1534	.2536
85	SCROTALE-WAIST OVR BK	.4652	.4648	.4800	.3635	.4819	.4200	.3253	.3075	.2502	.2329	-.0452	-.0232	.2044	.1576	.2410
86	SCRTL-WAIST/BUTT/S	.3593	.3416	.3631	.2764	.3813	.3337	.2517	.2933	.2652	.2518	-.1347	.0031	.1366	.1409	.2309
87	SCROTALE-CERVICALE	.3810	.3648	.3861	.3023	.4028	.3521	.2480	.3188	.3080	.4377	-.0912	-.0049	.1415	.1593	.2219
88	SCROTALE-CERVICALE	.4701	.4740	.5435	.3970	.5245	.4495	.4148	.3542	.4239	.4273	-.0005	-.0435	.2625	.2826	.2223
89	SCROTALE-CERVCLE/S	.4399	.4350	.5142	.3912	.5054	.4444	.4122	.2795	.4135	.4273	-.0283	-.0292	.2210	.2921	.1952
90	SCRTL-PST SCYE LVL	.3994	.4074	.4687	.3258	.4493	.3799	.3391	.2795	.3137	.3217	-.0403	.0228	.1265	.2832	.1704

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
91	SCRTL-PST SCYE L/S	.3752	.3689	.4438	.3294	.4389	.3857	.3378	.3186	.3029	.3125	-.0026	-.0324	.0826	.2860	.2004
92	SCRTL-P MIDSHOULDR	.5254	.5328	.5923	.4440	.5816	.5024	.4326	.3894	.4248	.4371	-.0239	-.0112	.2353	.2712	.2956
93	SCRTL-MDSHLD OVR B	.4931	.4956	.5716	.4475	.5610	.4982	.4244	.3570	.4306	.4463	-.0443	-.0032	.2559	.2689	.2573
94	SCRTL-P MDSHLDR/S	.4828	.4858	.5533	.4289	.5526	.4957	.4236	.4058	.4172	.4267	-.0656	-.0117	.2048	.2783	.3132
95	SCRTL-MDSHLD O B/S	.4721	.4666	.5488	.4341	.5461	.4810	.4203	.4025	.4247	.4445	-.0211	.0097	.2147	.2890	.2904
96	UPPER THIGH CIRCUM	.7424	.7507	.6619	.4722	.6860	.5974	.4207	.4104	.3259	.3185	-.2373	-.1360	.1509	.1646	.3617
97	UPPER THIGH C/SIT	.7594	.7643	.6837	.4961	.7005	.6202	.4434	.4225	.3507	.3496	-.2386	-.1165	.1579	.1686	.3601
98	KNEE CIRCUMFERENCE	.6508	.6520	.7079	.5144	.7081	.6218	.5710	.4041	.4539	.4652	-.1298	-.0533	.2424	.2180	.2956
99	KNEE CIRCUM"CE/SIT	.6640	.6642	.7023	.5218	.7030	.6246	.5637	.4200	.4651	.4836	-.1305	-.0566	.2231	.2200	.3346
100	CALF CIRCUMF/RIGHT	.6776	.6715	.6506	.4695	.6809	.6170	.4796	.3816	.3350	.3335	-.1588	-.0431	.2010	.1373	.3071
101	CALF CIRCUMF/LEFT	.6733	.6735	.6510	.4364	.6808	.6164	.4797	.3714	.3372	.3399	-.1523	-.0388	.1910	.1476	.3071
102	ANKLE CIRCUM"ENCE	.5627	.5553	.6085	.4695	.6167	.5507	.5407	.3471	.3383	.3429	-.0577	-.0261	.2063	.1760	.2610
103	SCYE CIRCUMFERENCE	.6705	.6551	.6836	.5608	.6872	.6386	.4640	.4149	.4429	.4451	-.1555	-.0431	.2243	.2328	.2854
104	BICEPS C-EXTEND/RT	.9321	.8826	.7985	.5884	.8204	.7467	.5023	.4189	.2825	.2802	-.2722	-.0779	.1422	.0715	.3743
105	BICEPS C-EXTEND/LT	.8918	.9440	.7525	.5416	.8204	.7052	.4867	.4358	.3069	.2882	-.2619	-.1135	.1520	.0987	.3795
106	BICEPS C-FLEXED/RT	.9133	.9321	.7948	.6418	.8207	.7467	.5135	.4189	.3196	.3187	-.2154	-.0869	.1762	.0988	.3461
107	BICEPS C-FLEXED/LT	.7948	.7411	.7411	.5789	.7698	.7246	.4939	.4490	.3409	.3260	-.2149	-.1227	.1796	.1221	.3548
108	ELBOW CIR-EXTENDED	.6418	.7411	.7173	.7173	.9364	.8507	.5783	.3917	.3654	.3815	-.1547	-.0429	.2056	.1918	.3373
109	ELBOW CIRC-FLEXED	.8207	.7173	.9364	.7168	.8874	.8507	.4407	.3456	.3607	.3815	-.0409	-.0267	.1954	.1664	.2798
110	LOWER ARM C-EXTEND	.7808	.7698	.8507	.8507	.8874	.8874	.5498	.4260	.3662	.3815	-.1782	-.0152	.2011	.1778	.3277
111	LOWER ARM C-FLEXED	.5135	.4939	.5783	.4407	.8874	.8874	.5498	.4260	.3719	.4002	-.1263	-.0082	.2006	.1757	.3277
112	WRIST CIRCUMF"ENCE	.4367	.4490	.3917	.3456	.5983	.5498	.4051	.4151	.4151	.4466	-.1024	-.0340	.2385	.3323	.2087
113	SLVE L/SPINE-SCYE	.3196	.3409	.3654	.3607	.4271	.4260	.4051	.5618	.6526	.5618	-.0420	-.0785	.3323	.1999	.3623
114	SLVE L/SPINE-ELBOW	.3187	.3260	.3815	.3815	.3662	.3719	.4151	.6526	.9268	.9268	-.0950	-.0098	.4756	.4020	.2575
115	SLVE L/SPINE-WRIST	.3260	.3260	.3815	.4181	.3815	.4002	.4466	.5618	.9268	.9268	.1107	.0497	.4474	.4105	.2459
116	ANTERIOR NECK LGTH	-.2154	-.2149	-.1547	-.0409	-.1782	-.1263	-.1024	-.0420	-.0950	.1107	.2059	.2059	-.1261	-.1140	-.1225
117	POSTERIOR NECK LTH	-.0869	-.1227	-.0429	-.0267	-.0152	-.0082	-.0340	-.0785	-.0098	.0497	.2059	.2059	.0240	.0343	-.1047
118	SHOULDER LENGTH	.1762	.1796	.2056	.1954	.2011	.2006	.2385	.3323	.4756	.4474	-.1261	.0240	.0240	.0079	.1824
119	DELTOID ARC	.0988	.1221	.1918	.1664	.1778	.1757	.3323	.1999	.4020	.4105	-.1140	.0343	.0079	.0547	.0547
120	INTERSCYE	.3461	.3548	.3373	.2798	.3277	.3277	.2087	.3623	.2575	.2459	-.1225	-.1047	.1824	.0547	.0547
121	INTERSCYE MAXIMUM	.5591	.5732	.5668	.4781	.5745	.5559	.4612	.5717	.5613	.5618	-.1140	-.1047	.3436	.2076	.3568
122	WAIST FRONT-OMPH"N	.3646	.3853	.4233	.2730	.4104	.3438	.3576	.2897	.3240	.3312	-.2551	-.0855	.1372	.1852	.1390
123	CROTCH LGTH-OMPH"N	.5347	.5413	.5288	.4031	.5387	.4740	.4350	.4470	.4195	.3996	-.1349	-.0861	.2287	.2090	.3224
124	WAIST BACK-OMPHL"N	.1915	.1974	.3065	.2366	.2739	.2477	.3205	.2087	.4029	.4377	.1605	-.0482	.2394	.2962	.0100
125	FOOT LENGTH	.2172	.2153	.3742	.3766	.3420	.3400	.4291	.2686	.5063	.6082	.1674	.0988	.3007	.3023	.1710
126	INSTEP LENGTH	.2265	.2204	.3545	.3511	.3324	.3268	.4006	.2366	.4541	.5541	.0764	.0851	.2354	.3044	.1695
127	FOOT BREADTH	.3170	.3170	.4148	.3692	.4099	.4080	.4282	.2698	.3612	.4070	.0573	.1006	.2198	.1873	.1488
128	BALL-OF-FOOT CIRC	.4005	.3964	.4979	.4436	.4994	.4896	.4935	.3273	.3878	.4315	.0262	.0518	.2499	.1835	.2605
129	INSTEP CIRCUMF"NCE	.4463	.4394	.5509	.4527	.5414	.5126	.5422	.3808	.4151	.4654	.0003	.0429	.2384	.1954	.2834
130	HEEL CIRCUMFERENCE	.4242	.4242	.5509	.4750	.5383	.5120	.5816	.3922	.5346	.6023	.0461	.0545	.2409	.3013	.2587
131	BI-MALLEOLAR BRDTH	.3123	.2980	.4476	.4049	.4409	.4196	.4956	.3097	.3827	.4236	.0877	.0418	.2409	.1877	.2544
132	LAT"L MALLEOLUS HT	.1994	.2144	.2896	.2789	.2661	.2523	.2475	.1678	.2828	.3176	.0917	.0368	.0851	.2418	.1364
133	MED"L MALLEOLUS HT	.1822	.1867	.3093	.2866	.2986	.2908	.3601	.2104	.3257	.3496	.1017	.0726	.1800	.2381	.0976
134	HAND LENGTH	.1807	.1729	.3534	.3801	.3173	.3293	.4067	.2310	.4720	.5976	.1674	.1254	.2977	.2636	.1670
135	PALM LENGTH	.1573	.1536	.2884	.3330	.2521	.2763	.3314	.2125	.3964	.4977	.1291	.1064	.2544	.2012	.1571

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
136 HAND BR/METACARPLE	.3786	.3489	.4732	.4147	.4715	.4707	.5311	.2898	.3758	.4310	.0242	.0561	.2430	.1884	.1530
137 HAND BRTH AT THUMB	.3816	.3502	.4642	.4350	.4720	.4769	.5257	.3247	.4039	.4542	.0608	.0625	.2742	.1621	.2172
138 HAND C/METACARPALE	.4441	.4046	.5543	.4858	.5654	.5502	.5720	.3397	.3832	.4395	.0227	.0313	.2530	.1699	.2431
139 HAND C ROUND THUMB	.5357	.4929	.6298	.5511	.6536	.6379	.6208	.3953	.4334	.4752	-.0084	-.0233	.2905	.1872	.2876
140 HAND THICK/META-3	.2253	.2075	.2898	.2276	.2869	.2775	.3119	.1717	.2219	.2348	-.0047	-.0689	.1357	.1168	.0388
141 HEAD CIRCUMFERENCE	.2833	.3251	.3251	.2755	.3405	.3206	.3017	.2489	.2776	.2889	-.0766	.0177	.1573	.1373	.2044
142 SAGITTAL ARC/INION	.0883	.0913	.0982	.0770	.0987	.1045	.1314	.1129	.1165	.1188	.0331	-.0752	-.0529	.0667	.0219
143 MINIMUM FRONTL ARC	.1567	.1595	.1618	.1273	.1738	.1693	.1774	.1158	.1175	.1019	-.0506	-.0636	-.0630	.1301	.1043
144 BITRAGION-CORONAL	.1811	.1890	.2118	.1699	.2223	.1994	.1611	.1489	.2264	.2202	-.0195	-.0043	.0886	.1579	.1093
145 BITRAGN-MIN FRNTAL	.2502	.2530	.2935	.2361	.3030	.2975	.2861	.2410	.2864	.2855	-.0699	-.0137	.1317	.1751	.1280
146 BITRAG"N-SUBNASALE	.3735	.3776	.4050	.3257	.4241	.3915	.3227	.2630	.2788	.2845	-.1133	-.0328	.1543	.1403	.2378
147 BITRAGION-MENTON	.4244	.4274	.4720	.3887	.4846	.4491	.3720	.3290	.3435	.3530	-.1409	-.0131	.2000	.1690	.2772
148 BIT-SUBMANDIBULAR	.4242	.4281	.4655	.3665	.4827	.4186	.3443	.2980	.2888	.2870	-.2468	-.0439	.1488	.1110	.2859
149 BITRAG"N-POSTERIOR	.2234	.2223	.2509	.1969	.2663	.2164	.1889	.1252	.1713	.1686	-.0618	-.1046	.1307	.1101	.1527
150 HEAD LENGTH	.1649	.1591	.2270	.1918	.2244	.2192	.2176	.1645	.1841	.2083	-.0074	-.0295	.1147	.0826	.1334
151 HEAD DIAGNL/MENTON	.2505	.2550	.3043	.2643	.3020	.2894	.2764	.2140	.1626	.3156	-.0142	.0950	.1791	.1408	.1497
152 HD DIAG/INION-NOSE	.1470	.1495	.2094	.2207	.2044	.2110	.1867	.1666	.1820	.1820	-.0196	-.0205	.0965	.0436	.1524
153 EAR BREADTH	.0959	.0940	.1529	.1319	.1484	.1239	.1404	.1085	.1173	.1245	-.0011	.0267	.1021	.0561	.1165
154 EAR LENGTH	.1629	.1590	.2346	.1763	.2221	.1942	.2341	.1680	.2018	.2044	-.0833	.0212	.1192	.0992	.1378
155 EAR L ABVE TRAGION	.0309	.0280	.0678	.0716	.0513	.0658	.1044	.0921	.0859	.1076	.0174	.0813	.0438	.0885	.0076
156 HEAD BREADTH	.2205	.2219	.2444	.2002	.2679	.2345	.1996	.1667	.1626	.1676	-.0835	-.0770	.0877	.0809	.1453
157 MAXIMUM FRONTAL BR	.2352	.2259	.2466	.1978	.2565	.2527	.2465	.1789	.2369	.2393	-.0364	-.0087	.1344	.1397	.0699
158 BITRAGION BREADTH	.2954	.2916	.3398	.3161	.3670	.3477	.2657	.2515	.2386	.2336	-.1134	-.0969	.1208	.0924	.2661
159 BIZYGOMATIC BR"DTH	.3707	.3719	.3872	.3230	.4161	.3866	.3254	.2806	.2745	.2543	-.1465	-.1066	.1633	.1105	.2318
160 BIGONIAL BREADTH	.3639	.3728	.3687	.2534	.3782	.3470	.3145	.2589	.2220	.1966	-.1971	-.0632	.1260	.1351	.1234
161 EAR-TO-EAR BREADTH	.1601	.1525	.1960	.1801	.2144	.1851	.2050	.1570	.2055	.2089	-.0437	-.0313	.1328	.1085	.1518
162 BIOCULAR BREADTH	.1472	.1280	.1451	.1033	.1486	.1519	.1824	.1388	.1558	.1618	-.0237	.0132	.1109	.0676	.0408
163 INTERPUPILLARY BRD	.1241	.1190	.1443	.1113	.1466	.1340	.1175	.1175	.1538	.1656	-.0425	-.0223	.0977	.0731	.0593
164 INTEROCULAR BR"DTH	.1044	.0963	.1368	.1113	.1476	.1281	.1658	.0963	.1269	.1381	-.0394	-.0618	.0588	.0543	.1186
165 NOSE BREADTH	.1662	.1627	.1988	.1703	.2157	.2025	.1880	.1527	.0995	.1135	-.1251	-.0269	.1066	.0047	.2144
166 LIP LENGTH	.1473	.1473	.1869	.1485	.1872	.1881	.1474	.1596	.1339	.1271	-.0155	-.0214	.1165	.0527	.1174
167 EAR PROTRUSION	.0555	.0482	.0698	.0363	.0701	.0332	.0923	.0678	.0829	.0924	-.0329	-.0025	.0766	.0402	.1136
168 SUBNASALE-NASAL RT	.0189	.0157	.0800	.1098	.0861	.0844	.1344	.1478	.1431	.1523	-.0628	-.0443	.0673	.0200	.1369
169 PHILTRUM LENGTH	.1126	.1135	.1145	.0992	.1360	.1143	.1338	.0827	.0300	.0312	-.0913	-.0067	.0479	-.0193	-.0976
170 LIP-TO-LIP LENGTH	-.0587	-.0626	-.0677	-.0641	-.0789	-.0686	-.0521	-.0734	.0061	.0499	-.0609	.0390	.0106	.0076	-.0968
171 MENTON-SUBNASALE L	-.1304	-.1328	-.1394	-.1485	-.1587	-.1504	-.1204	-.0726	.1222	.2391	-.0367	.0031	-.000	.0656	.0692
172 MENTON-NASAL ROOT	-.1425	-.1378	-.1841	-.2047	-.1999	-.1933	-.1973	.1608	.2054	.2531	-.0044	.0238	.0594	.0720	-.1347
173 GLABELLA-TO-VERTEX	-.0102	-.0059	-.0362	-.0358	-.0397	-.0116	-.0023	.0413	.0651	.0408	.1092	.1037	-.0055	.1261	-.0962
174 NASAL ROOT-TO-VRTX	.0225	.0339	.0095	.0090	.0052	.0299	.0248	.0586	.1085	.0931	.1114	.1234	.0449	.1441	-.0733
175 XTRNL CANTHUS-VRTX	-.0384	-.0563	.0282	-.0042	.0244	.0367	.0488	.0780	.1310	.1104	.0838	.1061	.0507	.1395	-.0522
176 PRONASALE-TO-VRTX	-.0071	-.0028	.0002	-.0042	-.0051	.0175	.0475	.0761	.1241	.1085	.1235	.1256	.0637	.1329	-.0751
177 SUBNASALE-TO-VRTX	.0126	.0068	-.0002	.0166	.0181	.0380	.0671	.0856	.1515	.1385	.1327	.1381	.0829	.1546	-.0742
178 STOMION-TO-VERTEX	.0282	.0234	-.0235	.0347	.0417	.0563	.0892	.0904	.1540	.1485	.1131	.1395	.0946	.1413	-.0543
179 MENTON-TO-VERTEX	.0878	.0975	.1016	.1024	.1044	.1191	.1309	.1237	.1944	.2020	.0846	.1207	.0797	.1557	-.0006
180 TRAGION-TO-VERTEX	.0818	.1027	.0768	.0588	.0839	.0795	.0631	.0977	.1353	.1225	.0453	.0416	.0321	.1193	.0497

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
181 GLABELLA-TO-WALL	.1850	.1767	.2410	.2053	.2384	.2337	.2317	.1679	.1991	.2252	.0055	.0494	.1352	.1039	.1382
182 NASAL ROOT-TO-WALL	.1753	.1677	.2334	.2046	.2329	.2263	.2318	.1647	.1955	.2244	-.0004	.0460	.1210	.0885	.1390
183 XTRNL CANTHUS-WALL	.1429	.1339	.1958	.1525	.1993	.1676	.1655	.1255	.1257	.1457	-.0425	.0053	.0802	.0513	.1432
184 PRONASALE-TO-WALL	.1906	.1789	.2693	.2396	.2662	.2485	.2505	.1695	.1965	.2341	-.0264	.0100	.1250	.0618	.1848
185 SUBNASALE-TO-WALL	.1903	.1838	.2565	.2263	.2578	.2311	.2138	.1387	.1564	.1962	-.0426	-.0032	.0974	.0455	.1958
186 LIP PROMIN"CE-WALL	.2110	.2048	.2692	.2336	.2720	.2426	.2131	.1348	.1465	.1905	-.0723	-.0222	.1011	.0371	.2108
187 CHIN PROMINCE-WALL	.2466	.2406	.3031	.2603	.3058	.2691	.2361	.1675	.1621	.2001	-.1050	-.0536	.1064	.0512	.2432
188 TRAGION-TO-WALL	.0932	.0828	.1189	.0974	.1281	.0908	.0899	.0717	.0315	.0503	-.0172	-.0331	.0227	-.0074	.1368
189 GUESSED HEIGHT	.2003	.1994	.3445	.3848	.2992	.3150	.3491	.2841	.6275	.7402	.2700	.1916	.3355	.4034	.1421
190 GUESSED WEIGHT	.7442	.7524	.7671	.5944	.7690	.6995	.5796	.5183	.5851	.6117	-.1466	-.0291	.2955	.3149	.3789

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
1 AGE	.1237	.2094	.1511	.0716	.0197	.0338	-.0383	.0398	.0528	.0780	.0932	.0101	.0015	.0271	.0317
2 WEIGHT	.6777	.5670	.7242	.4131	.4711	.4482	.4543	.5523	.6186	.6648	.4842	.3364	.3277	.3889	.3315
3 SKF SUBSCAP"R-LNGE	.3067	.3594	.4150	.1257	.0166	.0459	.0261	.1006	.1894	.1617	.0652	.0978	.0375	-.0318	-.0166
4 SKF TRICEPS-LANGE	.2639	.3178	.4056	.1757	.0668	.0857	.0714	.0995	.1659	.1847	.0458	.1082	.0569	-.0189	-.0153
5 SKF JUX"NIPPLE-LGE	.2988	.3922	.4533	.1467	.0319	.0592	.0320	.1044	.2065	.1852	.0798	.1059	.0366	-.0118	-.0011
6 SKF MAL XIPH"D-LGE	.3512	.3701	.4511	.1135	.0259	.0460	.0460	.1063	.1968	.1750	.0426	.0920	.0238	-.0287	-.0100
7 SKF SUPRAILIAC-LGE	.3510	.3257	.4626	.1365	.0543	.0789	.0920	.1313	.2154	.2045	.0472	.1145	.0531	-.0086	-.0086
8 SKF SUPRAPATELLA-L	.2652	.2993	.3939	.1229	.0424	.0744	.0899	.1609	.2119	.2193	.0781	.0679	.0550	-.0022	-.0035
9 SKF SUBSCAP"R-HARP	.3069	.3490	.4329	.0960	.0237	.0529	.0379	.1056	.2004	.1717	.0674	.0920	.0299	-.0277	-.0080
10 SKF TRICEPS-HARP"N	.2553	.3216	.4443	.1348	.0587	.0794	.0735	.1236	.1822	.1843	.0740	.1082	.0549	-.0210	-.0188
11 SKF SUPRAILIAC-HPN	.3545	.3134	.4520	.1316	.0523	.0777	.0986	.1266	.2168	.1993	.0328	.1144	.0549	-.0079	-.0086
12 GRIP STRENGTH	.3557	.1713	.2381	.1993	.3659	.3354	.3360	.3652	.3545	.3920	.3335	.1754	.2300	.3788	.2849
13 HEIGHT (STATURE)	.4375	.4115	.3991	.5901	.6786	.6004	.4279	.4467	.4656	.6333	.4684	.4462	.4253	.6506	.5345
14 CERVICALE HEIGHT	.4511	.4006	.4011	.6409	.6793	.6055	.4077	.4244	.4535	.6297	.4423	.4382	.4108	.6432	.5263
15 ACROMION HEIGHT	.4390	.4029	.3852	.6636	.6540	.5897	.4081	.4276	.4606	.6224	.4460	.4434	.4046	.6355	.5249
16 RADIALE HEIGHT	.4236	.4364	.4541	.5796	.6279	.5607	.3991	.4183	.4528	.5979	.4323	.4420	.3966	.5887	.4850
17 STYLION HEIGHT	.3592	.4075	.4370	.5441	.5465	.4780	.3613	.3903	.4202	.5404	.4003	.4255	.3694	.4918	.4059
18 DACTYLION HEIGHT	.3186	.4070	.4285	.5190	.4252	.3871	.2911	.3175	.3511	.4544	.3319	.3869	.3195	.3306	.2805
19 SUPRASTERNALE HGHT	.4597	.4773	.4338	.5647	.6717	.6072	.4203	.4437	.4741	.6385	.4603	.4422	.4168	.6434	.5278
20 NIPPLE HEIGHT	.3839	.3902	.3852	.5124	.6440	.5590	.3839	.3981	.4308	.5873	.4173	.4286	.3928	.6309	.5148
21 WAIST HT-OMPHALION	.3703	.1665	.3814	.3935	.6587	.5804	.3770	.3987	.4292	.5948	.4094	.4335	.3825	.6309	.5289
22 ILIOCRISTALE HT	.4217	.2716	.3564	.4354	.6723	.6039	.3871	.4027	.4476	.6132	.4042	.4393	.3685	.6392	.5245
23 BUTTOCK HEIGHT	.3542	.2243	.2789	.3774	.6302	.5476	.3384	.3571	.4035	.5581	.3532	.4177	.3285	.6165	.5118
24 TROCHANTERION HGHT	.3716	.2242	.2769	.4127	.6494	.5772	.3553	.3603	.4009	.5715	.3710	.4151	.3487	.6315	.5115
25 GLUTEAL FURROW HGT	.3506	.2178	.2325	.3898	.6203	.5499	.3169	.3299	.3768	.5397	.3353	.4266	.3400	.6099	.4987
26 CROTCH HEIGHT	.3180	.1723	.2067	.3736	.6192	.5487	.3277	.3189	.3422	.5173	.3338	.3968	.3902	.5988	.4839
27 PATELLA TOP HEIGHT	.4006	.2668	.2885	.4012	.6538	.6039	.3624	.3944	.4399	.6041	.4209	.4587	.3902	.6369	.5239
28 KNEE CIRC HEIGHT	.3872	.2480	.3030	.4064	.6533	.5842	.3605	.3793	.4340	.6012	.3927	.4514	.3734	.6361	.5237
29 FIBULAR HEIGHT	.3611	.2169	.2779	.3913	.6300	.5524	.3581	.3683	.4153	.5720	.3548	.4400	.3699	.6176	.5063
30 CALF HEIGHT	.2958	.1732	.2778	.3346	.5645	.4705	.2990	.3145	.3633	.4914	.2941	.4191	.3373	.5671	.4634
31 ANKLE HEIGHT	.1977	.1150	.1962	.1531	.4141	.3251	.2578	.3237	.3339	.3893	.3964	.3940	.3337	.4446	.3769
32 SITTING HEIGHT	.3938	.5096	.4362	.6707	.4786	.4175	.3809	.3937	.3776	.4953	.4257	.3265	.4025	.4506	.3671
33 EYE HEIGHT/SITTING	.3752	.5034	.3982	.6506	.4497	.3989	.3517	.3564	.3439	.4561	.3896	.2872	.3708	.4155	.3408
34 MIDSHOULDER HT/SIT	.4061	.5074	.4751	.6837	.4238	.3705	.3565	.3652	.3574	.4685	.3602	.2937	.3624	.3967	.3193
35 ACROMION H"GHT/SIT	.3710	.4858	.4555	.6313	.3818	.3370	.3254	.3299	.3290	.4282	.3238	.2845	.3645	.3596	.2903
36 ELBOW REST HGT/SIT	.1603	.3772	.3264	.4215	.0455	.0353	.1447	.1398	.1264	.1380	.1151	.0951	.1645	.0164	.0084
37 KNEE HEIGHT/SITT"G	.4523	.3034	.3527	.4378	.6919	.6301	.4213	.4536	.5010	.6654	.4468	.4684	.4220	.6539	.5378
38 POPLITEAL HGHT/SIT	.2984	.1608	.1804	.3654	.6253	.5479	.3430	.3478	.3709	.5293	.3637	.4222	.3759	.6253	.5132
39 BUTTOCK-KNEE LNGTH	.4499	.3008	.4556	.3121	.5957	.5537	.3569	.4104	.4645	.5862	.4103	.3599	.2719	.5432	.4537
40 BUTTOCK-POPLITEAL	.4049	.2740	.3121	.2614	.5102	.4784	.3033	.3303	.3743	.4987	.2573	.2991	.2181	.4504	.3735
41 ACRM-BICEP CIR LVL	.2204	.1290	.2245	.3333	.3333	.2408	.2169	.2416	.2542	.3425	.2573	.2565	.2163	.3470	.2937
42 SHOULDER-ELBOW LTH	.3549	.2226	.2536	.3972	.5606	.5056	.3059	.3259	.3538	.5033	.3622	.3166	.3012	.5565	.4610
43 ACROMION-RADIALE L	.3486	.1944	.2367	.3668	.5292	.4656	.2940	.3040	.3311	.4804	.3204	.2984	.2805	.5402	.4494
44 ELBOW-WRIST LENGTH	.3693	.2377	.2517	.3504	.6088	.5501	.3470	.3614	.3878	.5260	.3761	.3215	.3001	.6427	.5348
45 RADIALE-STYLION LH	.3435	.2270	.2401	.3368	.5783	.5298	.3263	.3540	.3756	.5011	.3630	.2878	.2721	.6125	.5084

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
46 ELBOW-GRIP LENGTH	.3478	.2127	.2703	.3582	.6517	.5695	.3620	.3790	.3988	.5432	.4009	.3501	.3224	.7070	.5905
47 THUMB-TIP REACH	.3983	.2583	.2705	.3793	.5545	.5028	.3293	.3414	.3571	.5026	.3524	.3092	.2577	.5757	.4861
48 THUMB-TIP R"CH/XTD	.3647	.2156	.2449	.3163	.5235	.4653	.2942	.3219	.3382	.4627	.3443	.2921	.2577	.5527	.4645
49 SLEEVE INSEAM	.2943	.1796	.1804	.3294	.5398	.4911	.2626	.2613	.2765	.4324	.2953	.2761	.2614	.5540	.4541
50 BIACROMIAL BREADTH	.4822	.2613	.3409	.2146	.3538	.3245	.3004	.3695	.3559	.4183	.3619	.1918	.2577	.3380	.2938
51 BIDELTOID BREADTH	.6420	.4047	.5698	.2164	.3067	.3006	.3198	.4269	.4636	.4802	.3540	.2243	.2392	.2553	.2301
52 CHEST BREADTH	.5824	.3919	.5283	.1804	.2700	.2598	.2918	.3877	.4315	.4353	.3276	.1834	.1829	.2224	.2063
53 WAIST BRDTH-OMPH"N	.5470	.4938	.5931	.2953	.2953	.2937	.2953	.3857	.4498	.4662	.3308	.2290	.1900	.2274	.2077
54 BICRISTALE BREADTH	.4429	.4221	.3890	.3178	.3474	.3452	.2636	.3334	.3668	.4386	.3258	.2164	.2053	.2920	.2428
55 HIP BREADTH	.5008	.4440	.6093	.3279	.3931	.3809	.3676	.4357	.4852	.5286	.3900	.2489	.2933	.3088	.2706
56 HIP BREADTH SITT"G	.5136	.4745	.6418	.3179	.3498	.3463	.3678	.4315	.4743	.5116	.3561	.2354	.2467	.2578	.2314
57 ELBOW BRDTH BONE/R	.3684	.2926	.3217	.3108	.4130	.3837	.3171	.3780	.4010	.4687	.4336	.2372	.2863	.4302	.3613
58 ELBOW BRDTH BONE/L	.3771	.2942	.3206	.3282	.4369	.4020	.3596	.4176	.4348	.5070	.4582	.2621	.3433	.4416	.3664
59 F"ARM-F"ARM BR"DTH	.5350	.3543	.4861	.1525	.2247	.2327	.2561	.3381	.3770	.3826	.2595	.1734	.1649	.1747	.1499
60 KNEE BR"DTH BONE/R	.4406	.3514	.4624	.3628	.4786	.4480	.4436	.5175	.5690	.6351	.6175	.2963	.4378	.4000	.3341
61 KNEE BR"DTH BONE/L	.4491	.3622	.4640	.3759	.4873	.4553	.4437	.5149	.5642	.6354	.6192	.2984	.4367	.4077	.3431
62 CHEST DEPTH	.5131	.4150	.5343	.2104	.2445	.2542	.2220	.3289	.4095	.4076	.2911	.2094	.1407	.2004	.1877
63 WAIST DEPTH-OMPH"N	.4622	.5126	.5180	.2338	.1848	.1993	.1902	.2794	.3604	.3545	.2435	.1810	.1268	.1189	.1180
64 BUTTOCK DEPTH	.4771	.4499	.6467	.2167	.2260	.2228	.2724	.3700	.4379	.4218	.2861	.2138	.1595	.1662	.1534
65 THIGH CLEARANCE HT	.4801	.6467	.5693	.2067	.1766	.1858	.2851	.3370	.4054	.3860	.2148	.1632	.1425	.0948	.0792
66 NECK CIRC -MAXIMUM	.5516	.5693	.4950	.2596	.2385	.2283	.2784	.3742	.4066	.4137	.3087	.2024	.2033	.2576	.1698
67 SHOULDER CIRCUM"CE	.6769	.3745	.5943	.2543	.3151	.3075	.3542	.4387	.4837	.5031	.3533	.2262	.2469	.2594	.2241
68 CHEST CIRC AT SCYE	.6337	.3937	.5767	.1596	.3013	.2971	.3142	.4370	.4958	.4784	.3735	.2394	.2106	.2345	.2420
69 CHEST CIRCUMF"ENCE	.6000	.4254	.5775	.1753	.2932	.2885	.2885	.4022	.4778	.4665	.3577	.2142	.1587	.1664	.2171
70 WAIST CIR-OMPHAL"N	.5453	.5386	.5800	.2951	.2468	.2543	.2542	.3315	.4155	.4244	.2626	.2048	.1500	.1476	.1543
71 WAIST CIR-OMPH/SIT	.5242	.5097	.5697	.2485	.2243	.2336	.2364	.3243	.4050	.4039	.2699	.1902	.1496	.1476	.1437
72 BUTTOCK CIRCUMF"CE	.5716	.5031	.7134	.3285	.3546	.3523	.3832	.4621	.5245	.5465	.3870	.2641	.2680	.2657	.2340
73 BUTTOCK CIRCUM/SIT	.5495	.5276	.6618	.3357	.3284	.3523	.3517	.4285	.4829	.5242	.3454	.2364	.2448	.2421	.2138
74 VERTICAL TRUNK CIR	.5666	.6201	.7922	.5778	.4620	.4218	.4096	.4885	.5394	.5996	.4805	.3355	.3450	.4122	.3482
75 VERT TRUNK CIR/SIT	.5364	.6004	.6943	.5896	.4526	.4136	.4003	.4664	.5021	.5663	.4654	.3291	.3487	.4090	.3470
76 SCROTALE-ANT WAIST	.3317	.2486	.6278	.2182	.2645	.2312	.2609	.2910	.3376	.3606	.3081	.2353	.2182	.2478	.2097
77 SCRTL-A WAIST/S	.2306	.1306	.4885	.2832	.3072	.2551	.2741	.3132	.2959	.3554	.3122	.2302	.2773	.3004	.2413
78 SCRTL-SUPRASTERNLE	.4795	.7423	.6066	.4869	.3411	.3327	.3224	.3635	.4123	.4562	.3840	.2627	.2779	.3055	.2511
79 SCRTL-SUPRSTRNLE/S	.4032	.6213	.6052	.5073	.3602	.3287	.3358	.3532	.3494	.4414	.3657	.2370	.3192	.3403	.2711
80 SCRTL-ANT SCYE LVL	.3763	.5749	.5591	.4937	.3186	.3016	.2869	.3251	.3776	.4126	.3463	.2527	.2754	.2898	.2470
81 SCRTL-ANT SCYE L/S	.2473	.3768	.3753	.4738	.3085	.2736	.2786	.2822	.2725	.3481	.2914	.2021	.2875	.2977	.2443
82 SCRTL-A MIDSHOULDR	.5082	.6666	.6251	.5198	.3734	.3553	.3485	.3835	.4381	.4890	.3726	.2688	.2780	.3260	.2696
83 SCRTL-A MDSHLDR/S	.4411	.5297	.4958	.5402	.3995	.3655	.3587	.3711	.3798	.4783	.3562	.2508	.3163	.3584	.2862
84 SCROTALE-PST WAIST	.3854	.2760	.6751	.1226	.2375	.2200	.2320	.3154	.3364	.3725	.2691	.1980	.1920	.1779	.1563
85 SCRTL-WAIST OVR BK	.3797	.2486	.6555	.1575	.2941	.2654	.2719	.3703	.3789	.4233	.3319	.2261	.2376	.2411	.2020
86 SCROTALE-P WAIST/S	.3223	.2176	.5191	.0508	.1822	.1604	.1726	.2369	.2960	.2973	.2302	.1664	.1667	.1387	.1573
87 SCRTL-WAIST/BUTT/S	.3233	.2052	.5407	.0646	.2080	.1890	.2105	.2636	.3218	.3052	.2517	.1853	.1853	.1573	.1384
88 SCROTALE-CERVICALE	.4891	.5210	.5141	.6517	.4060	.3552	.3344	.3850	.4031	.5055	.3531	.2806	.3042	.3257	.2710
89 SCROTALE-CERVICLE/S	.4761	.5530	.5819	.6393	.3808	.3552	.3086	.3580	.4133	.4802	.3432	.2769	.2851	.3074	.2645
90 SCRTL-PST SCYE LVL	.3615	.4305	.5783	.5070	.3234	.2826	.2712	.3246	.3370	.4199	.2959	.2593	.2605	.2564	.2159

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
91	SCRTL-PST SCYE L/S	.3497	.4695	.5428	.4935	.2968	.2616	.2465	.2985	.3542	.3979	.2793	.2578	.2383	.2392	.2069
92	SCRTL-P MIDSHOULDR	.5216	.5088	.6643	.5335	.4042	.3703	.3576	.4381	.4592	.5316	.4131	.3006	.3058	.3369	.2914
93	SCRTL-MDSHLD OVR B	.4994	.4710	.6329	.5413	.4348	.3879	.3713	.4619	.4759	.5491	.4423	.3118	.3332	.3725	.3121
94	SCRTL-P MDSHLDR/S	.5040	.5385	.6206	.5198	.3764	.3439	.3292	.4001	.4530	.5011	.3894	.3069	.2868	.3191	.2711
95	SCRTL-MDSHLD O B/S	.4942	.5166	.6224	.5331	.4013	.3639	.3547	.4114	.4625	.5183	.4050	.3102	.3070	.3433	.2960
96	UPPER THIGH CIRCUM	.4883	.5833	.6833	.1943	.2308	.2401	.3136	.4076	.4715	.4520	.3250	.2063	.1829	.1524	.1415
97	UPPER THIGH C/SIT	.5173	.4251	.6774	.2199	.2565	.2578	.3330	.4227	.4867	.4747	.3298	.2171	.1958	.1761	.1614
98	KNEE CIRCUMFERENCE	.5477	.4576	.6358	.3554	.4520	.4303	.4449	.5297	.6012	.6504	.5305	.2951	.3685	.3547	.3061
99	KNEE CIRCUM"CE/SIT	.5468	.4391	.6473	.3317	.4611	.4329	.4456	.5492	.6232	.6499	.5252	.3134	.3383	.3704	.3140
100	CALF CIRCUMF/RIGHT	.4837	.3436	.5674	.1975	.3351	.3268	.4181	.5365	.6113	.5834	.4617	.2421	.2686	.2289	.2040
101	CALF CIRCUMF/LEFT	.4832	.3642	.5638	.2040	.3406	.3287	.4217	.5320	.5986	.5842	.4784	.2823	.2818	.2443	.2142
102	ANKLE CIRCUMF"ENCE	.4312	.3084	.5249	.2580	.4587	.4125	.4854	.6026	.6780	.7072	.6131	.2543	.3527	.3478	.2954
103	SCYE CIRCUMFERENCE	.5689	.3968	.5117	.2744	.3243	.3034	.3377	.4183	.4537	.4739	.3561	.1913	.2515	.2970	.2516
104	BICEPS C-EXTEND/RT	.5510	.3916	.5613	.1658	.1845	.2133	.2910	.3925	.4483	.4158	.3159	.1989	.1693	.1542	.1393
105	BICEPS C-EXTEND/LT	.5591	.3642	.5673	.1679	.1833	.1951	.2324	.3844	.4463	.4097	.3123	.1650	.1660	.1409	.1326
106	BICEPS C-FLEXED/RT	.5591	.3853	.5347	.1915	.2172	.2265	.3170	.4005	.4394	.4242	.2980	.1994	.1822	.1807	.1573
107	BICEPS C-FLEXED/LT	.5732	.4233	.5413	.1974	.2153	.2204	.3170	.3964	.4394	.4244	.4476	.2144	.1867	.1729	.1536
108	ELBOW CIR-EXTENDED	.5668	.4233	.5288	.3065	.3742	.3545	.4148	.4979	.5320	.5509	.4476	.2896	.3093	.3534	.2884
109	ELBOW CIRC-FLEXED	.4781	.2730	.4031	.2366	.3764	.3511	.3692	.4436	.5414	.4750	.4049	.2789	.2866	.3801	.3330
110	LOWER ARM C-EXTEND	.5745	.4104	.5387	.2739	.3420	.3324	.4099	.4994	.5126	.5383	.4196	.2661	.2986	.3173	.2521
111	LOWER ARM C-FLEXED	.5559	.3438	.4740	.2477	.3400	.3268	.4080	.4896	.5422	.5120	.4956	.2523	.2908	.3293	.2763
112	WRIST CIRCUMF"ENCE	.4612	.3676	.4350	.3205	.4291	.4006	.4282	.4935	.4935	.5816	.3097	.2475	.3601	.4067	.3314
113	SLVE L/SPINE-SCYE	.5717	.2897	.4470	.2087	.2686	.2366	.2698	.3273	.3808	.3922	.3097	.1678	.2104	.2310	.2125
114	SLVE L/SPINE-ELBOW	.5613	.3240	.4195	.4029	.5063	.4541	.3612	.3878	.4151	.5346	.3827	.2828	.3257	.4720	.3964
115	SLVE L/SPINE-WRIST	.5618	.3312	.3996	.4377	.6082	.5541	.4070	.4315	.4654	.6082	.4236	.3176	.3496	.5976	.4977
116	ANTERIOR NECK LGTH	-.1088	-.0855	-.1349	-.1605	.1674	.0764	.0573	-.0262	-.0003	.0461	.0877	.0917	.1017	.1674	.1291
117	POSTERIOR NECK LTH	-.2551	-.1372	-.0851	-.0482	.0988	.0851	.1006	.0518	.0429	.0545	.0418	.0368	.0726	.1254	.1064
118	SHOULDER LENGTH	-.0084	-.2287	-.2287	.2394	.3007	.2354	.2198	.2499	.2384	.3124	.2409	.0851	.1800	.2977	.2544
119	DELTO:D ARC	.3436	.1852	.2090	.2962	.3023	.2397	.1873	.1835	.1954	.3013	.1877	.2418	.2381	.2636	.2012
120	INTERSCYE	.2076	.2090	.3224	.0100	.1710	.1695	.1488	.2605	.2834	.2587	.2544	.1364	.0976	.1670	.1571
121	INTERSCYE MAXIMUM		.4301	.4631	.3533	.3897	.3933	.3557	.4070	.4418	.4990	.3574	.2194	.2710	.3374	.2829
122	WAIST FRONT-OMPH"N	.4301		.3252	.5323	.2589	.2769	.2412	.2637	.2895	.3447	.2701	.1592	.2076	.2093	.1637
123	CROTCH LGTH-OMPH"N	.4631	.3252		.2040	.3142	.2735	.3275	.4199	.4743	.4892	.3979	.2819	.2639	.2749	.2389
124	WAIST BACK-OMPHL"N	.3533	.5323	.2040		.3959	.3655	.2686	.2603	.2643	.3951	.2733	.2380	.2861	.3325	.2663
125	FOOT LENGTH	.3897	.2589	.3142	.3959		.8941	.5224	.4609	.5217	.6873	.5169	.2106	.2178	.6331	.6172
126	INSTEP LENGTH	.3933	.2769	.2735	.3655	.8941		.4206	.4609	.4862	.6023	.5169	.2106	.2178	.6331	.6172
127	FOOT BREADTH	.3557	.2412	.3275	.2686	.5224	.4206		.7872	.7736	.7838	.6322	.2817	.3306	.4663	.4203
128	BALL-OF-FOOT CIRC	.4070	.2637	.4199	.2603	.4609	.4609	.7872		.7736	.7072	.5999	.3370	.4050	.4993	.4203
129	INSTEP CIRCUMF"NCE	.4418	.2895	.4743	.2643	.5217	.4862	.7736	.7736		.7838	.6317	.3583	.3879	.5049	.5283
130	HEEL CIRCUMFERENCE	.4990	.3447	.4892	.3951	.6873	.6023	.7838	.7072	.7838		.6769	.4098	.4558	.6185	.5283
131	BI-MALLEOLAR BRDTH	.3574	.2701	.3979	.2733	.5169	.5169	.6322	.5999	.6317	.6769		.2602	.3617	.5019	.4277
132	LAT"L MALLEOLUS HT	.2194	.1592	.2819	.2380	.2106	.2106	.2817	.3370	.3583	.4098	.2602		.5929	.3329	.3022
133	MED"L MALLEOLUS HT	.2710	.2076	.2639	.2861	.2178	.2178	.3306	.4050	.3879	.4558	.3617	.5929		.3601	.3022
134	HAND LENGTH	.3374	.2093	.2749	.3325	.6331	.6331	.4663	.4993	.5049	.6185	.5019	.3329	.3601		.8445
135	PALM LENGTH	.2829	.1637	.2389	.2663	.6172	.6172	.4203	.4203	.5283	.5283	.4277	.3022	.3022	.8445	

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136 HAND BR/METACARPLE	.3768	.2631	.3091	.2900	.4848	.4351	.5184	.5501	.5350	.5684	.4698	.2373	.3142	.5254	.4201
137 HAND BRTH AT THUMB	.3882	.2421	.3326	.2716	.5187	.4562	.5044	.5818	.5811	.5894	.5251	.2668	.3342	.5606	.4879
138 HAND C/METACARPALE	.4319	.2847	.3668	.2887	.5192	.4658	.5647	.6195	.6192	.6159	.5418	.2545	.3277	.5471	.4217
139 HAND C ROUND THUMB	.4940	.3286	.4282	.3172	.5446	.4870	.5624	.6569	.6633	.6587	.5758	.2816	.3656	.5545	.4484
140 HAND THICK/META-3	.2257	.1724	.1810	.2006	.2303	.1992	.2415	.2655	.2828	.2873	.2174	.1110	.1858	.2265	.1597
141 HEAD CIRCUMFERENCE	.3031	.2248	.2902	.1802	.2944	.2504	.2778	.3353	.3419	.3653	.2874	.1506	.1613	.2853	.2334
142 SAGITTAL ARC/INION	.0731	.0603	.0736	.0515	.1162	.0959	.1306	.1235	.1103	.1538	.1050	.0647	.0856	.0998	.0327
143 MINIMUM FRONTL ARC	.1299	.0918	.1475	.0781	.1060	.0811	.1488	.1511	.1562	.1572	.1552	.1058	.0718	.1089	.0802
144 BITRAGION-CORONAL	.2103	.1817	.1918	.1968	.2111	.1984	.1808	.1951	.2032	.2501	.1514	.0946	.0791	.1904	.1743
145 BITRAGN-MIN FRNTAL	.2897	.1890	.2491	.2145	.2909	.2612	.2856	.3085	.3060	.3333	.2315	.1374	.1581	.2640	.2200
146 BITRAG"N-SUBNASALE	.3564	.2452	.3173	.1765	.3024	.2842	.2862	.3531	.3739	.3841	.3293	.2058	.2072	.2821	.2046
147 BITRAGION-MENTON	.4282	.3147	.3829	.2508	.3307	.3170	.3272	.4038	.4124	.4364	.3613	.2311	.2415	.3119	.2412
148 BIT-SUBMANDIBULAR	.4208	.3705	.4166	.2433	.2744	.2576	.2440	.3140	.3501	.3696	.3254	.2156	.2160	.2541	.2020
149 BITRAG"N-POSTERIOR	.2252	.1849	.2117	.1570	.1558	.1504	.1348	.1678	.1921	.2244	.1551	.0909	.0968	.1663	.1540
150 HEAD LENGTH	.1979	.1377	.1943	.1285	.2341	.2041	.2339	.2665	.2522	.2856	.2814	.1501	.1444	.2461	.1957
151 HEAD DIAGNL/MENTON	.2939	.2210	.2488	.2369	.3204	.2882	.3097	.3456	.3243	.3925	.2818	.2153	.2145	.3066	.2426
152 HD DIAG/INION-NOSE	.1827	.1341	.1721	.1332	.2048	.1765	.1652	.2352	.2253	.2450	.2179	.1323	.1216	.2234	.2176
153 EAR BREADTH	.1375	.1169	.1786	.0980	.1887	.1605	.1286	.1813	.1781	.1946	.2402	.0982	.1141	.1584	.1428
154 EAR LENGTH	.2148	.2592	.2366	.2021	.2102	.1922	.1733	.2164	.2186	.2585	.2491	.1243	.1322	.2049	.1907
155 EAR L ABVE TRAGION	.0500	.0420	.0749	.0674	.1209	.0816	.1035	.1230	.1170	.1149	.1219	.0640	.0782	.1291	.1330
156 HEAD BREADTH	.2340	.1601	.1920	.1316	.1777	.1692	.1535	.1962	.2091	.2147	.1850	.0517	.0801	.1402	.1208
157 MAXIMUM FRONTAL BR	.2488	.1682	.1720	.1914	.2469	.2319	.2196	.2171	.2275	.2722	.1723	.0679	.1134	.2086	.1712
158 BITRAGION BREADTH	.2983	.2174	.2983	.1469	.2825	.2612	.2039	.3147	.3310	.3189	.3203	.1347	.1590	.2425	.2266
159 BIZYGOMATIC BR"DTH	.3562	.2689	.3157	.1908	.2775	.2658	.2388	.3099	.3249	.3360	.2857	.1014	.1522	.2238	.1895
160 BIGONIAL BREADTH	.3289	.2824	.2416	.2039	.1618	.1668	.1842	.2039	.2068	.2583	.1201	.0530	.0883	.0981	.0801
161 EAR-TO-EAR BREADTH	.2178	.1899	.2023	.1779	.2222	.1969	.1723	.2253	.2328	.2565	.2597	.0985	.1410	.2114	.1807
162 BIOCULAR BREADTH	.1498	.0735	.1216	.0783	.1744	.1572	.1585	.1467	.1476	.2013	.1378	.0955	.1028	.1277	.0549
163 INTERPUPILLARY BRD	.1606	.0790	.1253	.1041	.1698	.1507	.1364	.1333	.1552	.1951	.1256	.0817	.1005	.1436	.1065
164 INTEROCULAR B"DTH	.1277	.0259	.1140	-.0127	.1528	.1386	.1301	.1756	.1672	.1799	.1734	.0853	.0779	.1528	.1427
165 NOSE BREADTH	.1633	.0932	.1603	-.0117	.1373	.1247	.1229	.1978	.2054	.2065	.1899	.0506	.0436	.1771	.1447
166 LIP LENGTH	.1955	.1054	.0990	.0959	.1284	.1230	.1302	.1743	.1645	.1868	.1529	.0420	.0509	.1312	.1075
167 EAR PROTRUSION	.0870	.0917	.1282	.0644	.0980	.0780	.0826	.1192	.1130	.1333	.1753	.0399	.0737	.1070	.0749
168 SUBNASALE-NASAL RT	.1306	.0818	.1170	.1064	.2268	.1915	.1370	.1874	.2124	.2020	.2254	.1309	.1519	.2467	.2395
169 PHILTRUM LENGTH	.0871	.0961	.1313	.0511	.0691	.0685	.0860	.1179	.1228	.1153	.1001	.0588	.0295	.0760	.0330
170 LIP-TO-LIP LENGTH	-.0406	-.0979	-.0656	-.0354	.0363	.0275	.0497	.0005	-.0042	-.0070	-.0713	-.0053	-.0185	.0578	.0449
171 MENTON-SUBNASALE L	.1229	.0693	.1191	.1112	.1618	.1560	.1932	.1849	.1838	.1967	.1309	.1285	.0795	.1586	.1127
172 MENTON-NASAL ROOT	.1973	.1135	.1821	.1691	.2747	.2476	.2569	.2772	.2780	.2931	.2360	.1814	.1625	.2790	.2378
173 GLABELLA-TO-VERTEX	-.0119	-.0129	-.0202	.0462	.0188	-.0240	.0500	-.0170	-.0235	.0318	-.0444	.0119	-.0011	-.0026	-.0183
174 NASAL ROOT-TO-VRTX	.0365	.0271	.0191	.0770	.0800	.0217	.0986	.0261	.0237	.0784	-.0059	.0483	.0448	.0568	.0373
175 XTRNL CANTHUS-VRTX	.0495	.0551	.0530	.0958	.0800	.0322	.0522	.0583	.0554	.1018	.0070	.0583	.0586	.0690	.0516
176 PRONASALE-TO-VRTX	.0420	.0433	.0217	.0974	.1093	.0517	.1253	.0556	.0558	.1029	.0294	.0488	.0725	.0966	.0748
177 SUBNASALE-TO-VRTX	.0672	.0666	.0346	.1275	.1399	.0795	.1462	.0812	.0776	.1337	.0424	.0660	.0924	.1256	.0960
178 STOMION-TO-VERTEX	.0778	.0729	.0547	.1355	.1645	.1058	.1858	.1167	.1142	.1642	.0576	.0857	.0957	.1528	.1184
179 MENTON-TO-VERTEX	.1300	.0968	.0983	.1550	.2040	.1522	.2279	.1773	.1668	.2195	.1125	.1263	.1157	.1943	.1502
180 TRAGION-TO-VERTEX	.0803	.0759	.1077	.0949	.1093	.0779	.1312	.1197	.1166	.1512	.0809	.0821	.0606	.0817	.0736

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
181 GLABELLA-TO-WALL	.2117	.1321	.1993	.1476	.2489	.2158	.2496	.2747	.2709	.3077	.2252	.1485	.1485	.2553	.2003
182 NASAL ROOT-TO-WALL	.2130	.1321	.1919	.1522	.2526	.2205	.2419	.2669	.2708	.3093	.2301	.1566	.1508	.2513	.2010
183 XTRNL CANTHUS-WALL	.1555	.1097	.1622	.1120	.1729	.1587	.1451	.1914	.1903	.2205	.1619	.1218	.0975	.1767	.1366
184 PRONASALE-TO-WALL	.2339	.1585	.2138	.1666	.2695	.2581	.2188	.2816	.2895	.3247	.2709	.1702	.1656	.2738	.2288
185 SUBNASALE-TO-WALL	.2051	.1293	.1972	.1296	.2276	.2286	.1864	.2593	.2693	.2879	.2511	.1624	.1370	.2374	.1984
186 LIP PROMIN"CE-WALL	.2098	.1308	.2008	.1172	.2157	.2213	.1742	.2507	.2643	.2783	.2415	.1535	.1190	.2267	.1850
187 CHIN PROMINCE-WALL	.2455	.1656	.2393	.1382	.1985	.2094	.1583	.2541	.2586	.2731	.2574	.1515	.1244	.2079	.1715
188 TRAGION-TO-WALL	.0804	.0473	.1109	.0522	.0733	.0794	.0433	.0966	.1127	.1260	.1105	.0727	.0458	.0950	.0784
189 GUESSED HEIGHT	.4411	.3806	.3990	.5582	.6656	.5903	.4215	.4379	.4578	.6211	.4641	.4374	.4129	.6353	.5269
190 GUESSED WEIGHT	.6793	.5607	.7035	.4418	.5073	.4798	.4672	.5583	.6167	.6812	.4947	.3503	.3481	.4282	.3666

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1	AGE	.0832	.0882	.1374	.1547	.1568	.1101	-.0726	.0594	-.0587	.0732	.0941	.1731	.2060	.0772	.0541
2	WEIGHT	.4479	.4610	.5104	.5936	.2612	.4116	-.1284	.1984	.3000	.3638	.4661	.5432	.5330	.3008	.2609
3	SKF SUBSCAP"R-LNGE	.0555	.0592	.0992	.1625	.0539	.1979	.0051	.1436	.1276	.1607	.2638	.3001	.3821	.2286	.0987
4	SKF TRICEPS-LANGE	.0890	.0605	.0750	.1089	.0913	.1493	.0498	.1048	.1174	.1727	.1851	.2197	.2435	.1317	.0672
5	SKF JUX"NIPPLE-LGE	.0672	.0668	.0999	.1449	.0955	.1776	-.0039	.1253	.1068	.1446	.2296	.2822	.3659	.1558	.0703
6	SKF MAL XIPH"D-LGE	.0753	.0626	.1097	.1597	.0858	.1598	-.0057	.1183	.1213	.1462	.2345	.2782	.3564	.1801	.0473
7	SKF SUPRAILIAC-LGE	.0876	.0594	.1092	.1602	.0792	.1794	-.0317	.1352	.1668	.1712	.2529	.2783	.3338	.1951	.0838
8	SKF SUPRAPATELLA-L	.1298	.1200	.1475	.1808	.1214	.1698	.0582	.1223	.0928	.1374	.1850	.2398	.2580	.1253	.0780
9	SKF SUBSCAP"R-HARP	.0517	.0561	.1073	.1566	.0606	.2064	-.0058	.1285	.1201	.1618	.2604	.2987	.3839	.2336	.1038
10	SKF TRICEPS-HARP"N	.0750	.0519	.0907	.1280	.0817	.1544	-.0117	.1206	.1093	.1689	.2178	.2476	.2929	.1607	.0592
11	SKF SUPRAILIAC-HPN	.0974	.0691	.1131	.1579	.0914	.1766	.0386	.1238	.1580	.1677	.2418	.2703	.3271	.1989	.0869
12	GRIP STRENGTH	.4119	.4289	.4483	.5191	.2259	.1832	.0758	.0670	.1374	.1795	.1990	.2281	.1854	.1085	.1449
13	HEIGHT (STATURE)	.4092	.4389	.4115	.4276	.1964	.2939	.1579	.0709	.2664	.2650	.2357	.3111	.2724	.1662	.2490
14	CERVICALE HEIGHT	.4031	.4236	.4047	.4188	.2017	.2622	.1097	.0709	.2320	.2595	.2307	.3047	.2679	.1698	.2172
15	ACROMION HEIGHT	.3966	.4194	.4040	.4157	.1962	.2750	.1184	.0763	.2337	.2621	.2504	.3208	.2851	.1777	.2237
16	RADIALE HEIGHT	.3810	.4033	.3920	.4079	.1877	.2661	.1155	.0696	.2299	.2499	.2531	.3201	.2965	.1789	.2162
17	STYLION HEIGHT	.3323	.3464	.3382	.3521	.1567	.2540	.1193	.0748	.2232	.2285	.2350	.2855	.2712	.1716	.2047
18	DACTYLION HEIGHT	.2527	.2616	.2529	.2692	.1163	.2152	.1021	.0646	.2045	.1982	.2009	.2512	.2403	.1487	.1774
19	SUPRASTERNALE HGHT	.4089	.4308	.4164	.4313	.1969	.2818	.1150	.0660	.2278	.2605	.2535	.3235	.2964	.1768	.2324
20	NIPPLE HEIGHT	.3783	.3977	.3790	.3850	.1702	.2510	.1041	.0618	.2083	.2332	.2165	.2761	.2420	.1590	.2183
21	WAIST HT-OMPHALION	.3600	.3915	.3649	.3654	.1567	.2325	.0962	.0473	.1859	.2217	.1966	.2492	.1977	.1311	.2076
22	ILIOCRISTALE HT	.3714	.3877	.3706	.3738	.1665	.2451	.0947	.0838	.2004	.2407	.2211	.2776	.2293	.1522	.2023
23	BUTTOCK HEIGHT	.3183	.3565	.3187	.3249	.1343	.2153	.0748	.0373	.1702	.1988	.1865	.2412	.1887	.1357	.1787
24	TROCHANTERION HGHT	.3378	.3611	.3359	.3351	.1478	.2266	.0847	.0549	.1768	.2244	.1927	.2467	.1938	.1441	.2010
25	GLUTEAL FURROW HGT	.3136	.3447	.3042	.3060	.1291	.2028	.0807	.0356	.1689	.1950	.1686	.2201	.1724	.1196	.1749
26	CROTCH HEIGHT	.3085	.3268	.2898	.2805	.1204	.1876	.1115	.0311	.1655	.1830	.1462	.1930	.1296	.0976	.1695
27	PATELLA TOP HEIGHT	.3550	.3914	.3743	.3761	.1676	.2391	.0831	.0738	.1773	.2332	.2251	.2752	.2351	.1468	.2011
28	KNEE CIRC HEIGHT	.3626	.3832	.3644	.3665	.1712	.2340	.0883	.0614	.1871	.2374	.2162	.2651	.2203	.1424	.1965
29	FIBULAR HEIGHT	.3499	.3731	.3391	.3407	.1608	.2360	.1215	.0613	.1963	.2407	.1912	.2464	.1829	.1135	.2023
30	CALF HEIGHT	.2821	.3134	.2863	.2859	.1290	.2096	.0820	.0823	.1699	.2106	.1789	.2349	.1858	.1231	.1776
31	ANKLE HEIGHT	.2184	.2625	.2715	.2770	.0529	.1561	-.0093	.0903	.0642	.1014	.1801	.1975	.1883	.1245	.1338
32	SITTING HEIGHT	.3643	.3907	.3721	.4119	.1983	.2870	.1936	.0668	.2805	.2403	.2209	.3063	.2902	.1643	.2444
33	EYE HEIGHT/SITTING	.3375	.3543	.3441	.3758	.2043	.2068	.1356	.0278	.1642	.1792	.1977	.2614	.2538	.1403	.1934
34	MIDSHOULDER HT/SIT	.3776	.3689	.3683	.4009	.2369	.2430	.1449	.0499	.2081	.2294	.2196	.3081	.2766	.1590	.1898
35	ACROMION H"GHT/SIT	.3525	.3321	.3418	.3667	.2305	.2230	.1305	.0568	.1979	.2169	.2044	.2889	.2568	.1448	.1775
36	ELBOW REST HGT/SIT	.1671	.1335	.1491	.1810	.1343	.0918	.0833	.0083	.0927	.0827	.0994	.1484	.1467	.0650	.0747
37	KNEE HEIGHT/SITT"G	.4002	.4295	.4081	.4244	.1877	.2704	.1152	.0841	.2135	.2708	.2432	.3039	.2452	.1528	.2212
38	POPLITEAL HGHT/SIT	.3191	.3491	.3103	.3044	.1226	.1937	.0913	.0265	.1587	.1906	.2529	.1906	.1223	.0917	.1754
39	BUTTOCK-KNEE LNGTH	.3166	.3641	.3575	.3819	.1445	.2680	.0732	.0844	.1832	.2145	.2629	.3175	.2983	.1965	.2082
40	BUTTOCK-POPLITEAL	.2649	.2855	.2815	.2996	.1130	.2244	.0739	.0744	.1822	.1887	.2104	.2654	.2401	.1682	.1571
41	ACRM-BICEP CIR LVL	.1737	.2140	.1993	.2052	.0991	.1427	-.0418	.1302	.1088	.1537	.1476	.1741	.1360	.1086	.1297
42	SHOULDER-ELBOW LTH	.3232	.3474	.3308	.3291	.1702	.2181	.0724	.0689	.1629	.2081	.1757	.2448	.2009	.1467	.1738
43	ACROMION-RADIALE L	.3043	.3324	.3070	.3076	.1650	.2016	.0875	.0671	.1515	.2049	.1712	.2337	.1722	.1080	.1605
44	ELBOW-WRIST LENGTH	.3840	.4120	.4004	.3964	.1716	.2109	.0537	.0706	.1515	.2049	.2211	.2731	.2155	.1237	.1773
45	RADIALE-STYLION LH	.3500	.3798	.3630	.3702	.1614	.1366	.0658	.0504	.1327	.1890	.1953	.2435	.1737	.1039	.1531

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
46	ELBOW-GRIP LENGTH	.3998	.4194	.4102	.4011	.1630	.2222	.0800	.0602	.1667	.2098	.2291	.2813	.2203	.1250	.1895
47	THUMB-TIP REACH	.3282	.3777	.3644	.3712	.1725	.2237	.0585	.0831	.1695	.2239	.2056	.2709	.2312	.1552	.1790
48	THUMB-TIP R"CH/XTD	.2955	.3384	.3233	.3387	.1354	.2535	.0745	.0604	.1458	.2059	.1961	.2408	.1942	.1412	.1973
49	SLEEVE INSEAM	.2710	.2972	.2700	.2635	.1244	.1535	.0512	.0167	.1283	.1490	.1198	.1653	.1038	.0839	.1315
50	BIACROMIAL BREADTH	.2961	.3492	.3462	.3950	.1313	.2509	.0990	.0964	.1930	.2430	.3002	.3457	.3020	.1649	.1789
51	BIDELTOID BREADTH	.3239	.3619	.3913	.4777	.1813	.3233	.1008	.1702	.2354	.3047	.4139	.4775	.4583	.2366	.1959
52	CHEST BREADTH	.3203	.3399	.3671	.4308	.1866	.3132	.0927	.1638	.2152	.2859	.3632	.4314	.4225	.2044	.1892
53	WAIST BRDTH-OMPH"N	.2599	.2845	.3303	.3974	.1511	.3102	.0596	.1692	.2148	.2892	.3866	.4390	.4573	.2443	.1635
54	BICRISTALE BREADTH	.2525	.2781	.3132	.3615	.1661	.2740	.0405	.1463	.2054	.2607	.3176	.3659	.3611	.2203	.1489
55	HIP BREADTH	.3294	.3328	.3712	.4285	.1977	.2879	.0762	.1483	.1975	.2790	.3670	.4109	.3773	.2014	.1657
56	HIP BREADTH SITT"G	.3129	.3073	.3571	.4113	.1811	.2909	.0800	.1525	.2158	.2799	.3540	.4088	.3867	.2096	.1592
57	ELBOW BRDTH BONE/R	.4419	.4379	.4917	.4990	.3025	.2172	-.0189	.0857	.1843	.2111	.2079	.2929	.2380	.2224	.1620
58	ELBOW BRDTH BONE/L	.4535	.4510	.4870	.4870	.3069	.2237	.0553	.0688	.1730	.2224	.2413	.3171	.2489	.1856	.1733
59	F"ARM-F"ARM BR"DTH	.2999	.3058	.3420	.4164	.1875	.2614	.0620	.1346	.1688	.2414	.3434	.3976	.3962	.1922	.1439
60	KNEE BR"DTH BONE/R	.4478	.4387	.4780	.5237	.2659	.2858	.0974	.1260	.2131	.2731	.3414	.3804	.3419	.2165	.1967
61	KNEE BR"DTH BONE/L	.4494	.4480	.4813	.5290	.2683	.2883	.0964	.1285	.2187	.2771	.3416	.3820	.3416	.2220	.1975
62	CHEST DEPTH	.2858	.3006	.3501	.4226	.2012	.2706	.0103	.1448	.1583	.2329	.3506	.4184	.4474	.2432	.1506
63	WAIST DEPTH-OMPH"N	.2042	.2021	.2639	.3366	.1521	.2948	.0613	.1714	.1612	.2410	.3426	.3912	.4522	.2312	.1447
64	BUTTOCK DEPTH	.2490	.2516	.3050	.3804	.1413	.2293	.0210	.1578	.1784	.2562	.3702	.4227	.4416	.2363	.1726
65	THIGH CLEARANCE HT	.2503	.2361	.2830	.3562	.1546	.2293	.1020	.1233	.1886	.2161	.3041	.3459	.3371	.1900	.1281
66	NECK CIRC -MAXIMUM	.3373	.3351	.4016	.4878	.2279	.4261	.1271	.2337	.2988	.3778	.4655	.5176	.5440	.2986	.2650
67	SHOULDER CIRCUM"CE	.3777	.3904	.4270	.5174	.2328	.3272	.1055	.1645	.2238	.3055	.4038	.4825	.4479	.2451	.2014
68	CHEST CIRC AT SCYE	.3220	.3655	.4143	.4937	.1718	.3442	.0504	.1627	.2103	.2794	.4188	.4854	.4909	.2462	.2055
69	CHEST CIRCUMF"ENCE	.3111	.3470	.3980	.4711	.1890	.3400	.0514	.1786	.2159	.2813	.4139	.4847	.4792	.2703	.1962
70	WAIST CIR-OMPHAL"N	.2572	.2476	.3104	.3823	.1779	.3085	.0505	.1814	.2055	.2884	.3832	.4427	.4760	.2532	.1577
71	WAIST CIR-OMPH/SIT	.2478	.2459	.3066	.3787	.1680	.2936	.0487	.1814	.1945	.2686	.3729	.4282	.4598	.2461	.1474
72	BUTTOCK CIRCUMF"CE	.3397	.3420	.3994	.4689	.1993	.3303	.0845	.1801	.2290	.3012	.4065	.4697	.4598	.2522	.1947
73	BUTTOCK CIRCUM/SIT	.3447	.3249	.3805	.4431	.2242	.3204	.0898	.1649	.2128	.2945	.3713	.4424	.4394	.2315	.1854
74	VERTICAL TRUNK CIR	.4098	.4317	.4631	.5212	.2516	.3425	.1080	.1444	.2518	.3087	.3809	.4728	.4868	.2556	.2394
75	VERT TRUNK CIR/SIT	.3923	.4079	.4468	.5022	.2189	.3286	.1086	.1227	.2421	.2795	.3584	.4409	.4578	.2487	.2296
76	SCROTALE-ANT WAIST	.2117	.2611	.2720	.3231	.1419	.2270	.0419	.1002	.1657	.2102	.2319	.2918	.3204	.1629	.1581
77	SCRTL-A WAIST/S	.2726	.2819	.2847	.2973	.1527	.1888	.0931	.0682	.1283	.1761	.1880	.2370	.1986	.1073	.1602
78	SCRTL-SUPRASTERNLE	.3124	.3305	.3587	.4195	.2045	.2862	.0716	.1117	.2161	.2475	.3030	.3867	.4447	.2138	.1924
79	SCRTL-SUPRSTRNLE/S	.3561	.3451	.3493	.3879	.2100	.2588	.1171	.0669	.1903	.2222	.2452	.3204	.3226	.1685	.2017
80	SCRTL-ANT SCYE LVL	.2706	.3025	.3134	.3622	.1881	.2510	.0562	.0544	.1983	.2129	.2461	.3299	.3615	.1856	.1704
81	SCRTL-ANT SCYE L/S	.2864	.2862	.2676	.2889	.1711	.2003	.1086	.0014	.1571	.1704	.1550	.2222	.1911	.1206	.1634
82	SCRTL-A MIDSHOULDR	.3550	.3558	.3868	.4411	.2374	.3045	.0993	.1170	.2397	.2834	.3269	.4168	.4410	.2210	.2027
83	SCRTL-A MDSHLDR/S	.3909	.3673	.3765	.4136	.2481	.2790	.1404	.0817	.1807	.2670	.2742	.3554	.3191	.1741	.2113
84	SCROTALE-PST WAIST	.2381	.2276	.2751	.3229	.1148	.2430	.0469	.1054	.1909	.1878	.2887	.3208	.3522	.2063	.1573
85	SCRTL-WAIST OVR BK	.2827	.2812	.3170	.3663	.1325	.2547	.0822	.1162	.1456	.1980	.2901	.3179	.3352	.2036	.1726
86	SCRTL-P WAIST/S	.1587	.1810	.2128	.2693	.0973	.2052	.0408	.0707	.1592	.1647	.2345	.2757	.3232	.1350	.1248
87	SCRTL-WAIST/BUTT/S	.1764	.1895	.2302	.2846	.0970	.2082	.0371	.0780	.2567	.1730	.2525	.2786	.3173	.1422	.1258
88	SCROTALE-CERVICALE	.3405	.3265	.3590	.4212	.1928	.2784	.0609	.1290	.2406	.2648	.3158	.3825	.4022	.2188	.1780
89	SCROTALE-CERVCLE/S	.2954	.3021	.3467	.4025	.1582	.2595	.0689	.1276	.2277	.2584	.3033	.3784	.4134	.2507	.1975
90	SCRTL-PST SCYE LVL	.2586	.2573	.2898	.3253	.1582	.2595	.0921	.1308	.2277	.2280	.2803	.3324	.3371	.1964	.1732

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
91	SCRTL-PST SCYE L/S	.2271	.2356	.2772	.3170	.1607	.2464	.0776	.1286	.2133	.2246	.2698	.3285	.3517	.1644	.1522
92	SCRTL-P MIDSHOULDR	.3443	.3655	.4040	.4605	.1913	.3275	.0798	.1601	.2543	.2726	.3598	.4267	.4550	.2591	.2243
93	SCRTL-MDSHLD OVR B	.3734	.3899	.4237	.4773	.1927	.3259	.0992	.1510	.2575	.2690	.3425	.4024	.4171	.2597	.2333
94	SCRTL-P MDSHLDR/S	.3036	.3278	.3785	.4338	.1874	.3045	.0743	.1553	.2410	.2619	.3441	.4163	.4585	.2299	.1932
95	SCRTL-MDSHLD O B/S	.3137	.3407	.3865	.4391	.1822	.3048	.0758	.1431	.2407	.2681	.3474	.4101	.4327	.2240	.1978
96	UPPER THIGH CIRCUM	.2652	.2723	.3258	.4012	.1259	.2813	.0733	.1543	.2065	.2359	.3584	.3982	.4104	.2248	.1561
97	UPPER THIGH C/SIT	.2877	.3024	.3433	.4224	.1502	.2903	.0730	.1546	.2070	.2497	.3611	.4111	.4156	.2263	.1605
98	KNEE CIRCUMFERENCE	.4312	.4208	.4805	.5383	.2455	.3241	.0348	.1809	.2321	.3032	.3840	.4489	.4410	.2480	.2135
99	KNEE CIRCUM"CE/SIT	.4255	.4369	.4771	.5361	.2315	.3223	.1018	.1830	.2211	.3065	.3922	.4528	.4416	.2267	.2159
100	CALF CIRCUM/RIGHT	.3654	.3824	.4333	.5056	.1944	.2819	.0985	.1519	.2023	.2530	.3468	.3784	.3620	.1742	.1744
101	CALF CIRCUMF/LEFT	.3681	.3815	.4333	.5025	.1906	.2816	.0951	.1426	.2023	.2507	.3450	.3765	.3628	.1807	.1782
102	ANKLE CIRCUM"ENCE	.4496	.4600	.5158	.5622	.2450	.2907	.1140	.1971	.2102	.2752	.3512	.3837	.3459	.1822	.1946
103	SCYE CIRCUMFERENCE	.3597	.3672	.4202	.4910	.2047	.3099	.0847	.1407	.2084	.2945	.3995	.4583	.4559	.2346	.2011
104	BICEPS C-EXTEND/RT	.3140	.3482	.4148	.5042	.2084	.2917	.0759	.1551	.1847	.2529	.3808	.4360	.4403	.2284	.1618
105	BICEPS C-EXTEND/LT	.3140	.3136	.3779	.4624	.1939	.2919	.0843	.1621	.1930	.2563	.3831	.4315	.4403	.2319	.1584
106	BICEPS C-FLEXED/RT	.3786	.3816	.4441	.5357	.2253	.2833	.0883	.1667	.1811	.2602	.3735	.4244	.4242	.2234	.1649
107	BICEPS C-FLEXED/LT	.3489	.3502	.4046	.4929	.2075	.2748	.0913	.1595	.1890	.2530	.3776	.4274	.4281	.2223	.1591
108	ELBOW CIR-EXTENDED	.4732	.4642	.5543	.6298	.2898	.3251	.0982	.1618	.2118	.2935	.4060	.4720	.4655	.2509	.2270
109	ELBOW CIRC-FLEXED	.4147	.4350	.4858	.5511	.2276	.2755	.0770	.1273	.1699	.2361	.3257	.3887	.3655	.1969	.1918
110	LOWER ARM C-EXTEND	.4715	.4720	.5654	.6536	.2869	.3405	.0987	.1738	.2223	.3030	.4241	.4846	.4827	.2663	.2244
111	LOWER ARM C-FLEXED	.4707	.4769	.5502	.6379	.2775	.3206	.1045	.1693	.1994	.2975	.3915	.4491	.4186	.2164	.2192
112	WRIST CIRCUMF"ENCE	.5311	.5257	.5720	.6208	.3119	.3017	.1314	.1774	.1511	.2861	.3227	.3720	.3443	.1889	.2176
113	SLVE L/SPINE-SCYE	.2898	.3247	.3397	.3953	.1717	.2489	.1129	.1158	.1489	.2410	.2630	.3290	.2980	.1713	.1645
114	SLVE L/SPINE-ELBOW	.3758	.4039	.3832	.4334	.2219	.2776	.1155	.1175	.2264	.2864	.2788	.3435	.2888	.1712	.1841
115	SLVE L/SPINE-WRIST	.4310	.4542	.4752	.4752	.2348	.2889	.1188	.1019	.2202	.2855	.2845	.3530	.2870	.1686	.2083
116	ANTERIOR NECK LGTH	.0242	.0608	.0227	-.0084	-.0047	-.0766	.0331	-.0506	-.0195	-.0699	-.1133	-.1409	-.2468	-.0618	-.0074
117	POSTERIOR NECK LTH	.0561	.0625	.0313	.0233	-.0689	-.0177	.0752	-.0636	-.0043	-.0137	-.0328	-.0131	-.0439	-.1046	-.0295
118	SHOULDER LENGTH	.2430	.2742	.2530	.2905	.1357	.1573	.0529	.0630	.0886	.1317	.1543	.2000	.1110	.1307	.1147
119	DELTOID ARC	.1884	.1621	.1699	.2872	.1168	.1373	.0667	.1301	.1579	.1751	.1403	.1488	.1101	.1101	.0826
120	INTERSCYE	.1530	.2172	.2431	.2876	.0388	.2044	.0219	.1043	.1093	.1280	.2378	.2772	.2859	.1527	.1334
121	INTERSCYE MAXIMUM	.3768	.3882	.4319	.4940	.2257	.3031	.0731	.1299	.2103	.2897	.3564	.4282	.4208	.2252	.1979
122	WAIST FRONT-OMPH"N	.2631	.2421	.2847	.3286	.1724	.2248	.0503	.0918	.1817	.1890	.2452	.3147	.3705	.1849	.1377
123	CROTCH LGTH-OMPH"N	.3091	.3326	.3668	.4282	.1810	.2902	.0736	.1475	.1918	.2491	.3173	.3829	.4166	.2117	.1943
124	WAIST BACK-OMPHL"N	.2900	.2716	.2887	.3172	.2006	.1802	.0515	.0781	.1968	.2145	.2508	.2433	.2508	.1570	.1285
125	FOOT LENGTH	.4848	.5187	.5192	.5446	.2303	.2944	.1152	.1060	.2111	.2909	.3024	.3307	.2744	.1558	.2341
126	INSTEP LENGTH	.4351	.4562	.4658	.4870	.1992	.2504	.0959	.0811	.1984	.2612	.2842	.3170	.2676	.1504	.2041
127	FOOT BREADTH	.5184	.5044	.5647	.5624	.2415	.2778	.1306	.1488	.1808	.2856	.2862	.3272	.2440	.1348	.2339
128	BALL-OF-FOOT CIRC	.5501	.5818	.6195	.6569	.2655	.3353	.1235	.1511	.1951	.3085	.3531	.4038	.3140	.1678	.2665
129	INSTEP CIRCUMF"NCE	.5350	.5811	.6192	.6633	.2823	.3419	.1103	.1562	.2032	.3060	.3739	.4124	.3601	.1921	.2622
130	HEEL CIRCUMFERENCE	.5684	.5894	.5159	.6587	.2873	.3653	.1538	.1572	.2501	.3333	.3841	.4364	.3696	.2244	.2856
131	BI-MALLEOLAR BRDTH	.4698	.5251	.5418	.5758	.2174	.2874	.1050	.1552	.1514	.2315	.3293	.3613	.3254	.1551	.2214
132	LAT"L MALLEOLUS HT	.2373	.2668	.2545	.2816	.1110	.1506	.0647	.1058	.0946	.1374	.2058	.2311	.2156	.0909	.1501
133	MED"L MALLEOLUS HT	.3142	.3342	.3277	.3656	.1858	.1613	.0856	.0718	.0791	.1581	.2072	.2415	.2150	.0968	.1444
134	HAND LENGTH	.5254	.5605	.5471	.5545	.2265	.2853	.0998	.1089	.1904	.2640	.2821	.3119	.2541	.1663	.2461
135	PALM LENGTH	.4201	.4879	.4217	.4484	.1597	.2334	.0327	.0802	.1743	.2200	.2046	.2412	.2020	.1540	.1957

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
136 HAND BR/METACARPLE															
137 HAND BRTH AT THUMB	.7182														
138 HAND C/METACARPALE	.8118	.7064													
139 HAND C ROUND THUMB	.7422	.8206	.8428												
140 HAND THICK/META-3	.3686	.3374	.4196	.3788											
141 HEAD CIRCUMFERENCE	.2502	.2896	.2983	.3568	.1304										
142 SAGITTAL ARC/INION	.0689	.1081	.0246	.1039	.0003	.4672									
143 MINIMUM FRONTL ARC	.1249	.1275	.1661	.1759	.0790	.4138	.1815								
144 BITRAGION-CORONAL	.1881	.1937	.2195	.2232	.1217	.5493	.2765	.2438							
145 BITRAGN-MIN FRNTAL	.2636	.2720	.3017	.3396	.1735	.6657	.2233	.4569	.5623						
146 BITRAG"N-SUBNASALE	.2435	.2904	.3153	.3959	.1165	.4845	.2017	.3376	.2185	.4846					
147 BITRAGION-MENTON	.3063	.2718	.3828	.4196	.1841	.4633	.2730	.3003	.3376	.4559	.6412				
148 BIT-SUBMANDIBULAR	.2190	.2195	.3057	.3515	.1361	.4754	.1875	.1087	.3514	.2922	.6100	.7826			
149 BITRAG"N-POSTERIOR	.1666	.1937	.2194	.2372	.0698	.4754	.0128	.1087	.2336	.1596	.1283	.7364	.1853		
150 HEAD LENGTH	.2094	.1568	.2314	.2676	.1119	.7785	.4246	.3003	.2547	.4868	.3677	.3558	.2297	.4115	
151 HEAD DIAGNL/MENTON	.2735	.2278	.2927	.3351	.1515	.5858	.4501	.2266	.4667	.3961	.3938	.5893	.2297	.2796	.5573
152 HD DIAG/INION-NOSE	.2224	.3111	.2575	.2385	.1425	.4908	.0000	.1682	.2448	.3395	.2618	.2706	.3899	.4044	.5914
153 EAR BREADTH	.0844	.2120	.1472	.1823	-.0259	.1587	.0683	.0770	-.0090	.0767	.2022	.2290	.1247	.2018	.1106
154 EAR LENGTH	.1927	.1564	.2374	.2431	.1365	.2146	.0036	.1005	.0915	.1939	.2500	.3156	.2893	.2027	.1614
155 EAR L ABVE TRAGION	.1036	.2169	.0759	.0832	.0712	.1257	.0426	.0173	-.0299	.0858	.1231	.1393	.0398	.0876	.1271
156 HEAD BREADTH	.1456	.0948	.1985	.2166	.1085	.5208	.1737	.2309	.5686	.4252	.2984	.2698	.2552	.2018	.0579
157 MAXIMUM FRONTAL BR	.2459	.1667	.2698	.2890	.1572	.3841	.1031	.3599	.3241	.5439	.4714	.3992	.3049	.1168	.1469
158 BITRAGION BREADTH	.2390	.2525	.3181	.3361	.1613	.4238	.0188	.2342	.2824	.4057	.4802	.4715	.4559	.2435	.1261
159 BIZYGOMATIC BR"DTH	.2815	.2590	.3390	.3694	.1983	.4640	.0807	.2809	.3784	.5563	.5756	.5212	.4559	.2147	.1309
160 BIGONIAL BREADTH	.2822	.2851	.2848	.2764	.2374	.2962	-.0407	.1675	.2698	.3724	.3596	.3770	.3206	.2261	.1397
161 EAR-TO-EAR BREADTH	.2034	.1954	.2467	.2449	.1114	.3177	-.0303	.0954	.2729	.2713	.2358	.2383	.2274	.3282	.1037
162 BIOCULAR BREADTH	.0972	.2085	.0741	.1002	-.0065	.2617	.3742	.2832	.0815	.3309	.4007	.2858	.2509	-.0851	.1212
163 INTERPUPILLARY BRD	.1082	.1255	.1250	.1592	-.0377	.2904	.1726	.3224	.1744	.3440	.2799	.2042	.2092	-.0287	.1746
164 INTEROCULAR BR"DTH	.1399	.1451	.1892	.1767	.0449	.2795	-.0209	.3305	.1511	.3904	.3578	.2545	.1451	.0990	.1891
165 NOSE BREADTH	.1582	.1850	.2265	.2365	-.0945	.2576	-.0017	.1568	.1313	.2303	.3394	.3291	.2520	.1577	.1913
166 LIP LENGTH	.1875	.1617	.2316	.2300	-.1374	.2481	-.0021	.1287	.1274	.2516	.3319	.3418	.2117	.1639	.1972
167 EAR PROTRUSION	.0800	.0988	.1041	.1716	-.0114	.0505	-.0009	-.0083	.0316	.0653	.1060	.1027	.1148	.1277	.0097
168 SUBNASALE-NASAL RT	.1261	.1730	.1740	.1508	-.0632	.1733	-.0268	.0318	.0927	.1411	.1468	.1513	.1193	.1261	.1358
169 PHILTRUM LENGTH	.0721	.1159	.0870	-.0663	-.0297	.1404	-.1847	.0689	.0131	.1460	.1904	.1873	.2282	-.0229	.1113
170 LIP-TO-LIP LENGTH	-.0260	-.0487	-.0354	-.0303	-.0261	.0505	-.0009	-.0304	.0669	.0004	-.0527	-.0855	-.2282	-.0229	-.1113
171 MENTON-SUBNASALE L	.1180	.1414	.2525	.1746	-.0513	.2249	.1702	.1366	.1767	.2123	.1285	.2526	.1967	.1060	.2334
172 MENTON-NASAL ROOT	.1878	.2430	.2412	.2594	.1099	.3153	.1186	.1518	.2213	.2894	.1826	.3267	.2520	.1568	.2894
173 GLABELLA-TO-VERTEX	.0500	.0025	-.0190	-.0253	-.0248	.1627	.3753	.0865	.4495	.1687	-.0312	-.0243	-.1435	-.0391	.1255
174 NASAL ROOT-TO-VRTX	.0815	.0417	.0226	.0202	.0319	.2189	.3577	.0918	.4852	.2249	-.0227	-.0243	-.0861	-.0073	.1796
175 XTRNL CANTHUS-VRTX	.1051	.0732	-.0487	.0505	.0478	.2594	.3692	.1125	.5406	.2578	-.0346	-.0111	-.0555	-.0343	.1906
176 PRONASALE-TO-VRTX	.1101	.0811	.0552	.0551	.0642	.2465	.3358	.0852	.4499	.2579	.0235	-.0078	-.0754	.0129	.2054
177 SUBNASALE-TO-VRTX	.1288	.0981	.0758	.0749	.0686	.2752	.3476	.0935	.4908	.2862	.0568	.0275	-.0072	.0374	.2266
178 STOMION-TO-VERTEX	.1461	.1250	.1015	.1062	.0819	.3029	.3501	.1018	.4988	.3149	.0925	.0572	-.0507	.0615	.2628
179 MENTON-TO-VERTEX	.1771	.1699	.1575	.1612	.0872	.3691	.3767	.1545	.5296	.3528	.1286	.1823	-.0785	.1098	.3232
180 TRAGION-TO-VERTEX	.0943	.1143	.0896	.1010	.0367	.3788	.3688	.1546	.6965	.3604	.0834	.0378	-.0126	.1020	.2379

TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
181 GLABELLA-TO-WALL	.2135	.2340	.2274	.2760	.0940	.7567	.4733	.2955	.2763	.4809	.3892	.3694	.2333	.3883	.9286
182 NASAL ROOT-TO-WALL	.2066	.2357	.2227	.2728	.0896	.7442	.4459	.2694	.2408	.4478	.3894	.3631	.2352	.3799	.9063
183 XTRNL CANTHUS-WALL	.1229	.1603	.1554	.2049	.0617	.6269	.3236	.1758	.1565	.2956	.2946	.3031	.2357	.3833	.7507
184 PRONASALE-TO-WALL	.1945	.2554	.2431	.2942	.0861	.6116	.2994	.2178	.1117	.3142	.4458	.4222	.3183	.3736	.7354
185 SUBNASALE-TO-WALL	.1542	.2200	.2097	.2624	.0539	.5639	.2699	.1936	.0763	.2578	.4486	.4270	.3273	.3557	.6830
186 LIP PROMIN"CE-WALL	.1420	.2114	.2073	.2582	.0582	.5238	.2388	.1865	.0656	.2329	.4431	.4578	.3536	.3428	.6269
187 CHIN PROMINCE-WALL	.1597	.2228	.2335	.2793	.0825	.4460	.1716	.1653	.0310	.1921	.4110	.5313	.4019	.2954	.4889
188 TRAGION-TO-WALL	.0321	.0856	.0766	.1094	-.0149	.4177	.2548	.0770	.0394	-.0432	.0016	.0978	.1256	.3814	.5310
189 GUESSED HEIGHT	.3907	.4299	.4023	.4233	.1799	.2829	.1426	.0772	.2524	.2521	.2303	.3043	.2689	.1735	.2354
190 GUESSED WEIGHT	.4704	.4786	.5207	.5989	.2688	.4110	.1336	.1898	.3022	.3674	.4598	.5326	.5172	.2985	.2701

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
1	AGE	-.0170	.1582	.1805	.3756	.1270	.1222	.0308	.2622	.2331	.2237	.1559	-.0031	.0640	.0219	.2277
2	WEIGHT	.3856	.2473	.1803	.2887	.0942	.3051	.2990	.3973	.4532	.4144	.2684	.1885	.1834	.1567	.1900
3	SKF SUBSCAP"R-LNGE	.1044	.1071	.0699	.1786	.0130	.1627	.1178	.2338	.2803	.3098	.1096	.0469	.0650	.0459	.1172
4	SKF TRICEPS-LANGE	.0872	.0843	.0326	.1799	.0651	.1227	.1093	.1697	.2260	.2924	.0874	.0561	.0596	.0126	-.0002
5	SKF JUX"NIPPLE-LGE	.0868	.0888	.0738	.2383	.0541	.1671	.1074	.2415	.2929	.3223	.1133	-.0479	.0653	.0363	-.1005
6	SKF MAL XIPH"D-LGE	.0973	.0777	.0484	.1936	-.0140	.1566	.1174	.2251	.2838	.3246	.0896	.0615	.0628	.0385	.0791
7	SKF SUPRAILIAC-LGE	.1496	.0678	.0183	.1637	-.0048	.1553	.1172	.1755	.2488	.2988	.0585	.0705	.0723	.0562	.0133
8	SKF SUPRAPATELLA-L	.1361	.0748	.0359	.1637	.0390	.1461	.1342	.1681	.2260	.2684	.0798	.0953	.0686	.0333	-.0739
9	SKF SUBSCAP"R-HARP	.1026	.1117	.0874	.1984	.0278	.1767	.0980	.2507	.2934	.3092	.1100	.0420	.0537	.0558	.1346
10	SKF TRICEPS-HARP"N	.0590	.1057	.0693	.2101	.0472	.1499	.0980	.2298	.2699	.2883	.1149	.0394	.0493	.0340	-.0389
11	SKF SUPRAILIAC-HPN	.1388	.0690	.0104	.1105	.0050	.1471	.1245	.1682	.2458	.3067	.0507	.0649	.0678	.0469	.0125
12	GRIP STRENGTH	.1995	.1232	.0384	.0545	.0174	.0992	.1650	.1258	.1713	.1632	.0984	.1112	.0908	.0760	.0463
13	HEIGHT (STATURE)	.3887	.2042	.1546	.2240	.1216	.1325	.1971	.1849	.1898	.1041	.2104	.1227	.1389	.0953	.0404
14	CERVICALE HEIGHT	.3373	.1900	.1485	.2218	.1125	.1297	.2025	.1852	.1969	.1269	.2053	.1188	.1445	.0919	.0404
15	ACROMION HEIGHT	.3376	.1881	.1582	.2256	.1224	.1398	.2059	.2067	.2088	.1282	.2109	.1231	.1516	.1057	.0505
16	RADIALE HEIGHT	.3344	.1862	.1567	.2168	.1161	.1378	.1992	.1994	.2096	.1341	.2037	.1182	.1440	.0914	.0453
17	STYLION HEIGHT	.3041	.1798	.1457	.1905	.1012	.1401	.1798	.1918	.1989	.1254	.1916	.1036	.1268	.0746	-.0295
18	DACTYLION HEIGHT	.2743	.1497	.1244	.1634	.0789	.1142	.1451	.1512	.1667	.1092	.1582	.0774	.1062	.0626	-.0059
19	SUPRASTERNALE HGHT	.3410	.1977	.1610	.2320	.1147	.1277	.1974	.1999	.2081	.1319	.2105	.1168	.1420	.1023	.0691
20	NIPPLE HEIGHT	.3085	.1807	.1402	.1881	.1135	.0369	.1746	.1694	.1690	.0910	.1756	.1009	.1350	.0986	.0436
21	WAIST HT-OMPHALION	.2922	.1759	.1411	.1659	.1088	.0885	.1584	.1522	.1417	.0500	.1641	.1062	.1382	.1131	.0536
22	ILIOCRISTALE HT	.3020	.1739	.1356	.1874	.1143	.1113	.1788	.1696	.1703	.0956	.1692	.1160	.1501	.1190	.0519
23	BUTTOCK HEIGHT	.2735	.1607	.1163	.1656	.1048	.0950	.1566	.1548	.1499	.0665	.1495	.1122	.1400	.1144	.0501
24	TROCHANTERION HGHT	.2815	.1779	.1291	.1763	.1100	.0891	.1596	.1463	.1392	.0683	.1541	.1134	.1469	.1196	.0537
25	GLUTEAL FURROW HGT	.2622	.1473	.1065	.1487	.0974	.0826	.1523	.1348	.1297	.0570	.1408	.1014	.1330	.1057	-.0342
26	CROTCH HEIGHT	.2649	.1256	.0839	.1135	.0937	.0660	.1519	.0918	.0988	.0333	.1127	.1125	.1292	.0999	-.0028
27	PATELLA TOP HEIGHT	.2825	.1751	.1276	.1786	.0932	.1065	.1744	.1810	.1760	.0842	.1718	.1238	.1449	.1255	-.0858
28	KNEE CIRC HEIGHT	.2830	.1598	.1141	.1710	.0924	.1024	.1811	.1606	.1651	.0914	.1582	.1314	.1528	.1197	.0730
29	FIBULAR HEIGHT	.2950	.1498	.0960	.1672	.1042	.1040	.1788	.1364	.1491	.0926	.1457	.1377	.1471	.1114	.0525
30	CALF HEIGHT	.2654	.1513	.0927	.1386	.1173	.0757	.1413	.1331	.1254	.0694	.1039	.1003	.1250	.0800	.0614
31	ANKLE HEIGHT	.1519	.1682	.1706	.1428	.0852	.0671	.0490	.2138	.1220	-.0269	.1479	.0460	.0698	.1388	.1485
32	SITTING HEIGHT	.3974	.1728	.1411	.2030	.0851	.1316	.1811	.1581	.1847	.1183	.2048	.0987	.0863	.0256	.0263
33	EYE HEIGHT/SITTING	.3193	.1144	.1175	.1907	.0799	.0752	.1492	.1214	.1499	.1105	.1705	.0763	.0621	.0000	.0031
34	MIDSHOULDER HT/SIT	.3024	.1442	.1288	.2144	.1011	.1334	.2050	.1752	.2188	.2046	.1998	.1094	.1059	.0180	.0215
35	ACROMION H"GHT/SIT	.2766	.1303	.1171	.1980	.0930	.1234	.1325	.1682	.2035	.1971	.1841	.0967	.0970	.0182	.0077
36	ELBOW REST HGT/SIT	.1387	.0416	.0478	.0886	.0328	.0555	.0834	.0596	.1046	.1590	.0772	.0301	.0081	-.0667	-.0314
37	KNEE HEIGHT/SITT"G	.3287	.1831	.1380	.1922	.1128	.1318	.2034	.1934	.1984	.1275	.1800	.1466	.1578	.1264	.0732
38	POPLITEAL HGHT/SIT	.2522	.1400	.0980	.1149	.0972	.0752	.1444	.1062	.0975	.0032	.1359	.1071	.1156	.1059	.0311
39	BUTTOCK-KNEE LNGTH	.2996	.1853	.1640	.2026	.0943	.1412	.1505	.2292	.2210	.1182	.1745	.1045	.1320	.1219	.0993
40	BUTTOCK-POPLITEAL	.2575	.1354	.1416	.1676	.0785	.1223	.1601	.1611	.1720	.0980	.1633	.1010	.1216	.0903	.0318
41	ACRM-BICEP CIR LVL	.1614	.0832	.1111	.1154	.0678	.0515	.0945	.0958	.0859	.0213	.0901	.0735	.0996	.1075	.0695
42	SHOULDER-ELBOW LTH	.2514	.1244	.1232	.2016	.0978	.1187	.1636	.1837	.1682	.0802	.1849	.0982	.1325	.1115	.0586
43	ACROMION-RADIALE L	.2372	.1222	.1075	.1700	.1025	.1025	.1541	.1573	.1484	.0714	.1513	.1086	.1330	.1201	.0699
44	ELBOW-WRIST LENGTH	.2513	.1798	.1228	.1570	.1011	.0825	.1791	.1552	.1410	.0681	.1491	.1067	.1265	.1269	.1116
45	RADIALE-STYLION LH	.2418	.1641	.1227	.1867	.1265	.0828	.1693	.1746	.1576	.1019	.1719	.1164	.1335	.1139	.1046

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
46 ELBOW-GRIP LENGTH	.2777	.1886	.1359	.1716	.1019	.0897	.1739	.1814	.1576	.0674	.1662	.1119	.1315	.1198	.1061
47 THUMB-TIP REACH	.2565	.1920	.1207	.2113	.0854	.1066	.1752	.1895	.1876	.1317	.1635	.0786	.1046	.0920	.0825
48 THUMB-TIP R"CH/XTD	.2387	.1895	.1301	.1909	.0958	.0913	.1491	.1695	.1482	.0912	.1468	.0939	.1152	.1001	.1067
49 SLEEVE INSEAM	.2009	.1199	.0891	.1353	.0914	.0394	.1253	.1007	.0896	.0169	.1289	.0890	.1007	.0979	.0431
50 BIACROMIAL BREADTH	.2745	.1765	.1210	.1614	.0359	.1879	.1921	.2559	.2780	.1801	.2000	.1440	.1216	.1352	.1754
51 BIDELTOID BREADTH	.3153	.1839	.1310	.2079	.0460	.2595	.2382	.3512	.3836	.3593	.2145	.1552	.1384	.1456	.1898
52 CHEST BREADTH	.2740	.2244	.1303	.2408	.0562	.2439	.2099	.3472	.3836	.3694	.2206	.1435	.1228	.1363	.1784
53 WAIST BRDTH-OMPH"N	.2425	.1969	.1505	.2702	.0632	.2684	.2135	.3712	.4103	.3770	.2381	.1436	.1500	.1435	.1335
54 BICRISTALE BREADTH	.2284	.1799	.1251	.2160	.0334	.2560	.2075	.3324	.3613	.3102	.2148	.1419	.1383	.1414	.1324
55 HIP BREADTH	.2607	.1789	.1541	.2382	.1017	.2268	.2206	.3254	.3638	.3001	.2241	.1476	.1556	.1286	.0997
56 HIP BREADTH SITT"G	.2609	.1679	.1546	.2648	.1034	.2355	.2219	.3118	.3535	.3254	.2271	.1436	.1455	.0818	.0916
57 ELBOW BRDTH BONE/R	.2299	.2394	.0995	.2048	.0671	.1264	.1884	.2408	.2377	.2448	.1897	-.0167	.0401	.1227	.1456
58 ELBOW BRDTH BONE/L	.2475	.2013	.1093	.2085	.1038	.1246	.2150	.2369	.2507	.2524	.2057	.0355	.0606	.0827	.1104
59 F"ARM-F"ARM BR"DTH	.2390	.1496	.0883	.1632	.0358	.2285	.2272	.3067	.3585	.3514	.1657	.1446	.1298	.0989	.1307
60 F"ARM BR"DTH BONE/R	.2991	.1847	.1527	.1979	.0801	.2173	.2433	.3017	.3392	.2465	.2357	.1712	.1602	.1439	.1125
61 KNEE BR"DTH BONE/L	.3015	.1870	.1546	.2031	.0753	.2184	.2437	.2971	.3364	.2516	.2380	.1668	.1594	.1430	.1078
62 CHEST DEPTH	.2010	.1944	.1569	.2735	.0715	.2232	.1938	.3511	.3731	.3748	.1903	.1218	.1354	.1242	.2080
63 WAIST DEPTH-OMPH"N	.1780	.1671	.1482	.2687	.0554	.2311	.1764	.3262	.3699	.3436	.1787	.1210	.1339	.1096	.1657
64 BUTTOCK DEPTH	.2317	.1879	.1445	.2278	.0597	.2229	.1731	.3203	.3652	.3273	.1813	.1353	.1198	.1128	.1486
65 THIGH CLEARANCE HT	.2407	.0757	.0401	.0803	.0256	.1818	.1944	.1932	.2797	.3273	.1013	.1351	.1026	.0838	.0955
66 NECK CIRC -MAXIMUM	.3468	.2713	.1367	.2470	.0644	.3469	.3127	.4163	.4881	.4459	.2419	.1875	.1565	.1565	.2694
67 SHOULDER CIRCUM"CE	.3132	.2091	.1244	.2130	.0607	.2445	.2715	.3372	.4013	.4062	.2083	.1709	.1573	.1431	.2003
68 CHEST CIRC AT SCYE	.2759	.2236	.1892	.2631	.0763	.2541	.2224	.3995	.4159	.3501	.2314	.1400	.1515	.1723	.2380
69 CHEST CIRCUMF"ENCE	.2635	.2246	.1750	.2859	.0708	.2705	.2227	.3977	.4208	.3752	.2268	.1328	.1473	.1645	.2238
70 WAIST CIR-OMPHAL"N	.2270	.1741	.1320	.2751	.0651	.2548	.2253	.3493	.4118	.4184	.2014	.1420	.1560	.1205	.1428
71 WAIST CIR-OMPH/SIT	.2200	.1678	.1389	.2784	.0690	.2525	.2141	.3491	.4066	.4045	.1963	.1367	.1507	.1171	.1680
72 BUTTOCK CIRCUMF"CE	.2917	.1949	.1571	.2544	.0928	.2516	.2368	.3437	.3941	.3603	.2187	.1565	.1580	.1325	.1383
73 BUTTOCK CIRCUM/SIT	.2778	.1963	.1266	.2726	.0945	.2535	.2362	.3284	.3922	.4025	.2244	.1640	.1601	.1133	.1410
74 VERTICAL TRUNK CIR	.3445	.2235	.2050	.3104	.1091	.2322	.2438	.3540	.3785	.3190	.2588	.1365	.1468	.1037	.1515
75 VERT TRUNK CIR/SIT	.3260	.2192	.2089	.2845	.1037	.2168	.2188	.3214	.3380	.2771	.2537	.1216	.1342	.0993	.1161
76 SCROTALE-ANT WAIST	.1983	.1549	.1650	.2339	.0959	.1578	.1312	.2461	.2410	.0987	.1845	.0735	.1101	.0786	.1228
77 SCROTALE-A WAIST/S	.2352	.1502	.0801	.1134	.0417	.0883	.1239	.1438	.1597	.1720	.1332	.0752	.0746	.0296	.0488
78 SCRTL-SUPRASTERNLE	.2717	.1807	.1774	.3062	.0863	.1962	.1798	.2907	.3126	.2774	.2329	.0920	.1123	.0611	.1415
79 SCRTL-SUPRSTRNLE/S	.2857	.1750	.1226	.2351	.0680	.1322	.1718	.1852	.2243	.2137	.1821	.0850	.0953	.0379	.0671
80 SCRTL-ANT SCYE LVL	.2492	.1613	.1732	.2699	.0922	.1766	.1571	.2629	.2693	.2078	.2213	.0741	.0971	.0514	.1009
81 SCRTL-ANT SCYE L/S	.2386	.1367	.0962	.1620	.0654	.0993	.1371	.1499	.1499	.1201	.1466	.0645	.0732	.0262	.0146
82 SCRTL-A MIDSHOULDR	.3040	.1892	.1693	.3101	.1149	.2169	.2359	.2994	.3389	.3323	.2272	.1303	.1488	.0691	.1228
83 SCRTL-A MDSHLDR/S	.3145	.1828	.1121	.2447	.1001	.1622	.2330	.2023	.2579	.2803	.1760	.1306	.1392	.0526	.0470
84 SCROTALE-PST WAIST	.2187	.1459	.1087	.1312	.0121	.1663	.1483	.2203	.2545	.2360	.1387	.0956	.0834	.0815	.1019
85 SCRTL-WAIST OVR BK	.2511	.1531	.1071	.1177	.0000	.1715	.1559	.2135	.2448	.1919	.1439	.0937	.0782	.0835	.1095
86 SCROTALE-P WAIST/S	.1439	.0931	.1452	.1914	.0683	.1463	.0958	.1997	.2054	.1772	.1351	.0795	.0676	.0627	.0959
87 SCRTL-WAIST/BUTT/S	.1514	.0856	.1349	.1615	.0499	.1478	.1072	.1917	.2072	.1502	.1303	.0867	.0727	.0743	.0842
88 SCROTALE-CERVICALE	.3064	.1813	.1412	.2163	.0455	.1979	.2187	.2434	.2965	.2871	.2073	.1153	.1176	.0698	.0730
89 SCROTALE-CERVCLE/S	.2633	.1542	.1697	.2627	.0898	.2062	.1982	.2604	.2992	.2675	.2139	.1151	.1200	.0700	.0792
90 SCRTL-PST SCYE LVL	.2670	.1510	.1239	.1661	.0576	.1758	.1851	.2241	.2545	.2508	.1699	.1073	.1029	.0615	.0606

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
91 SCRTL-PST SCYE L/S	.2243	.1202	.1541	.2131	.1006	.1851	.1667	.2399	.2604	.2312	.1797	.1242	.1067	.0629	.0687
92 SCRTL-P MIDSHOULDR	.3247	.2076	.1696	.2317	.0468	.2256	.2178	.3127	.3409	.2697	.2327	.1117	.1210	.0968	.1348
93 SCRTL-MDSHLD OVR B	.3345	.2140	.1606	.2161	.0458	.2215	.2139	.2919	.3178	.2369	.2291	.1241	.1124	.0913	.1272
94 SCRTL-P MDSHLDR/S	.2770	.1704	.1966	.2739	.0860	.2315	.2011	.3172	.3350	.2582	.2417	.1291	.1236	.1105	.1388
95 SCRTL-MDSHLD O B/S	.2819	.1713	.1965	.2682	.0877	.2239	.1989	.3041	.3187	.2364	.2363	.1291	.1206	.1071	.1285
96 UPPER THIGH CIRCUM	.2359	.1481	.1119	.1661	.0508	.2179	.1916	.2851	.3246	.2915	.1573	.1200	.1016	.1115	.1201
97 UPPER THIGH C/SIT	.2505	.1596	.1090	.1661	.0444	.2351	.2042	.3009	.3431	.3110	.1729	.1301	.1113	.1145	.1250
98 KNEE CIRCUMFERENCE	.3234	.2083	.1687	.2219	.0702	.2402	.2679	.3327	.3770	.3340	.2315	.1737	.1765	.1537	.1463
99 KNEE CIRCUM"CE/SIT	.3243	.2110	.1647	.2343	.0806	.2358	.2572	.3446	.3939	.3246	.2242	.1739	.1794	.1646	.1563
100 CALF CIRCUMF/RIGHT	.2745	.1628	.1444	.1764	.0547	.2296	.2191	.2894	.3255	.2860	.1955	.1442	.1090	.1215	.1304
101 CALF CIRCUMF/LEFT	.2761	.1777	.1459	.1770	.0546	.2238	.2087	.2841	.3185	.2817	.1980	.1387	.1035	.1561	.1215
102 ANKLE CIRCUMF"ENCE	.3006	.1890	.1431	.1927	.0625	.2220	.2333	.2932	.3303	.2804	.2198	.1502	.1376	.1557	.1496
103 SCYE CIRCUMFERENCE	.2770	.1575	.1459	.2356	.0807	.2364	.2402	.3239	.3701	.3425	.1818	.1478	.1639	.1372	.1724
104 BICEPS C-EXTEND/RT	.2401	.1570	.1083	.1979	.0304	.2490	.2191	.3338	.3925	.3618	.1749	.1235	.1077	.1102	.1850
105 BICEPS C-EXTEND/LT	.2370	.1495	.0998	.1931	.0353	.2469	.2134	.3254	.3956	.3783	.1754	.1202	.1097	.0989	.1744
106 BICEPS C-FLEXED/RT	.2505	.1470	.0959	.1629	.0309	.2205	.2352	.2954	.3707	.3639	.1601	.1472	.1241	.1044	.1662
107 BICEPS C-FLEXED/LT	.2550	.1495	.0940	.1590	.0280	.2219	.2259	.2916	.3719	.3707	.1525	.1280	.1190	.0963	.1627
108 ELBOW CIR C-EXTENDED	.3043	.2094	.1529	.2346	.0678	.2444	.2466	.3398	.3872	.3728	.1960	.1451	.1443	.1368	.1988
109 ELBOW CIRC-FLEXED	.2543	.2207	.1319	.1763	.0716	.2002	.1978	.3161	.3230	.3687	.1801	.1033	.1113	.1113	.1703
110 LOWER ARM C-EXTEND	.3020	.2044	.1484	.2221	.0513	.2679	.2565	.3670	.4161	.2534	.2144	.1486	.1466	.1476	.2157
111 LOWER ARM C-FLEXED	.2894	.2110	.1239	.1942	.0658	.2345	.2527	.3477	.3866	.3782	.1851	.1519	.1340	.1281	.2025
112 WRIST CIRCUMF"ENCE	.2764	.1867	.1404	.2341	.1044	.1996	.2465	.2657	.3254	.3470	.2050	.1824	.1914	.1658	.1880
113 SLVE L/SPINE-SCYE	.2140	.1666	.1086	.1680	.0921	.1667	.1789	.2515	.2806	.3145	.1570	.1388	.1175	.0963	.1527
114 SLVE L/SPINE-ELBOW	.2852	.1626	.1173	.2018	.0859	.1811	.2369	.2386	.2745	.2589	.2055	.1558	.1538	.1269	.0995
115 SLVE L/SPINE-WRIST	.3156	.1820	.1245	.2044	.1076	.1676	.2393	.2336	.2543	.2220	.2089	.1618	.1656	.1381	.1135
116 ANTERIOR NECK LGTH	.0142	-.0196	-.0011	-.0833	.0174	-.0835	-.0364	-.1134	-.1065	.1966	-.0437	-.0237	-.0425	-.0394	-.1251
117 POSTERIOR NECK LTH	.0950	-.0205	.0267	.0212	.0813	-.0770	-.0087	-.0969	-.1633	-.1971	-.0313	-.0132	-.0223	-.0618	-.0269
118 SHOULDER LENGTH	.1791	.0965	.1021	.1192	.0438	.0877	.1344	.1208	.1105	-.0632	.1328	.1109	.0977	.0588	.1066
119 DELTOID ARC	.1408	.0436	.0561	.0992	.0885	.0809	.1397	.0924	.2318	.1260	.1085	.0676	.0731	.0543	.0047
120 INTERSCYE	.1497	.1524	.1165	.1378	.0076	.1453	.0699	.2661	.3562	.1351	.1518	.0408	.0593	.1186	.2144
121 INTERSCYE MAXIMUM	.2939	.1827	.1375	.2148	.0600	.2340	.2488	.2983	.2689	.1234	.2178	.1498	.1606	.1277	.1633
122 WAIST FRONT-OMPH"N	.2210	.1341	.1169	.2592	.0420	.1501	.1682	.2174	.3157	.3289	.1899	.0735	.0790	.0269	.0932
123 CROTCH LGTH-OMPH"N	.2488	.1721	.1786	.2366	.0749	.1920	.1720	.2983	.1908	.2824	.2023	.1216	.1253	.1140	.1603
124 WAIST BACK-OMPHL"N	.2369	.1332	.0980	.2021	.0674	.1316	.1914	.1469	.2775	.2416	.1779	.0783	.1041	-.0127	-.0117
125 FOOT LENGTH	.3204	.2048	.1887	.2102	.1209	.1777	.2469	.2825	.2658	.2039	.2222	.1744	.1698	.1528	.1373
126 INSTEP LENGTH	.2882	.1765	.1605	.1922	.0816	.1692	.2319	.2612	.2388	.1618	.1969	.1572	.1507	.1386	.1247
127 FOOT BREADTH	.3097	.1652	.1286	.1733	.1063	.1535	.2196	.2039	.3099	.1842	.1723	.1585	.1364	.1301	.1229
128 BALL-OF-FOOT CIRC	.3456	.2352	.1813	.2164	.1230	.1962	.2171	.3147	.3243	.2039	.2253	.1467	.1333	.1756	.1978
129 INSTEP CIRCUMF"NCE	.3243	.2253	.1781	.2186	.1170	.2091	.2275	.3310	.3360	.2068	.2328	.1476	.1552	.1672	.2054
130 HEEL CIRCUMFERENCE	.2818	.2450	.1946	.2585	.1219	.2147	.2722	.3189	.2597	.2583	.2565	.2013	.1951	.1799	.2065
131 BI-MALLEOLAR BRDTH	.2153	.2179	.2402	.2491	.0640	.1850	.1723	.3203	.1014	.1201	.2597	.1378	.1256	.1734	.1899
132 LAT"L MALLEOLUS HT	.2145	.1323	.0982	.1243	.0782	.0517	.0679	.1347	.1522	.0530	.0985	.0955	.0817	.0853	.0506
133 MED"L MALLEOLUS HT	.3066	.1216	.1141	.1322	.1291	.0801	.1134	.1590	.2238	.0883	.1410	.1028	.1005	.0779	.0436
134 HAND LENGTH	.2426	.2234	.1584	.2049	.1330	.1402	.2086	.2425	.1895	.0981	.2114	.1277	.1436	.1528	.1771
135 PALM LENGTH	.2176	.2176	.1428	.1907	.1330	.1208	.1712	.2266	.1807	.0801	.1807	.0549	.1065	.1427	.1447

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
136	HAND BR/METACARPLE	.2735	.2224	.0844	.1927	.1036	.1456	.2459	.2390	.2815	.2822	.2034	.0972	.1082	.1399	.1582
137	HAND BRTH AT THUMB	.3111	.2120	.1564	.2169	.0948	.1667	.2525	.2590	.2851	.1954	.2085	.1255	.0988	.1451	.1850
138	HAND C/METACARPALE	.2927	.2575	.1472	.2374	.0759	.1985	.2698	.3181	.3390	.2848	.2467	.0741	.1260	.1892	.2265
139	HAND C ROUND THUMB	.3551	.2385	.1823	.2431	.0832	.2166	.2890	.3361	.3694	.2764	.2449	.1591	.1502	.1767	.2365
140	HAND THICK/META-3	.1515	.1425	.0259	.1365	.0712	.1085	.1572	.1238	.1983	.1084	.1114	-.0065	.0377	.0449	.0945
141	HEAD CIRCUMFERENCE	.5858	.4908	.1587	.2146	.1257	.5208	.3841	.4238	.4640	.2962	.3177	.2617	.2904	.2795	.2576
142	SAGITTAL ARC/INION	.4501	.0000	.0683	.0036	-.0426	.1737	.1031	-.0188	.0807	-.0407	-.0303	.3742	.1726	-.0209	-.0017
143	MINIMUM FRONTL ARC	.2266	.1682	.0770	.1005	-.0173	.2309	.3599	.2342	.2809	.1675	.0954	.2832	.3224	.3305	.1568
144	BITRAGION-CORONAL	.4567	.2448	-.0090	.0915	-.0299	.5585	.3241	.2824	.3784	.2698	.2729	.0815	.1511	.1744	.1313
145	BITRAGN-MIN FRNTAL	.3961	.3395	-.0757	.1939	-.0858	.5586	.5439	.4057	.5756	.3596	.2713	.3309	.3904	.3440	.2303
146	BITRAG"N-SUBNASALE	.3938	.2618	.2022	.2500	-.1231	.2984	.4714	.4802	.5212	.3770	.2358	.4007	.3578	.2799	.3394
147	BITRAGION-MENTON	.5893	.2705	.2290	.3156	-.1393	.2698	.3992	.4715	.4559	.3206	.2383	.2858	.2545	.2042	.3291
148	BIT-SUBMANDIBULAR	.3899	.1247	.2178	.2893	.0398	.2552	.3049	.4198	.2147	.2261	.2274	.2509	.2092	.1451	.2520
149	BITRAG"N-POSTERIOR	.2796	.4044	.0806	.2027	-.0876	.2018	.1168	.2435	.1309	.2261	.3282	-.0851	.0287	.0990	.1577
150	HEAD LENGTH	.5573	.5914	.1106	.1614	-.1271	.0579	.1469	.1261	.1397	.1882	.1037	.1212	.1746	.1891	.1913
151	HEAD DIAGNL/MENTON		.3895	.1191	.1990	.0930	.2412	.2519	.2114	.2436	.1882	.1831	.1908	.1646	.1240	.1912
152	HD DIAG/INION-NOSE	.3895		.0703	.2167	.1394	.0399	.1590	.1347	.1436	.2205	.1563	-.1437	-.1285	.0788	.2197
153	EAR BREADTH	.1191	.0703		.4193	.4069	.1171	.0626	.1082	.0952	.0979	.2090	.0982	.1082	.0498	.1472
154	EAR LENGTH	.1990	.2167	.4193		.4835	.1271	.1590	.1385	.0879	.1082	.3187	.1082	.0770	.0770	.2028
155	EAR L ABVE TRAGION	.0930	.1394	.4069	.4835		.0242	.0849	.0879	.0979	.0952	.0667	.0561	.0952	.0515	.1093
156	HEAD BREADTH	.2412	.0399	.1171	.1271	.0242		.4465	.6216	.6598	.3284	.2730	.2140	.2630	.2140	.2964
157	MAXIMUM FRONTAL BR	.2519	.1590	.0626	.1590	.0849	.4465		.4630	.6223	.4489	.3142	.2253	.2748	.2527	.2706
158	BITRAGION BREADTH	.2114	.1347	.1082	.1385	.0879	.6216	.4630		.8300	.4540	.2253	.0774	.2148	.3041	.2642
159	BIZYGOMATIC BR"DTH	.2436	.1436	.0952	.0879	.0979	.6598	.6223	.8300		.5490	.2520	.0774	.2148	.1701	.2346
160	BIGONIAL BREADTH	.1882	.2205	.0979	.1082	.0952	.3284	.4489	.4540	.5490		.0774	.2148	.1799	.1092	.2964
161	EAR-TO-EAR BREADTH	.1831	.1563	.2090	.3187	.0667	.2730	.3142	.2253	.2520	.0774		.1274	.1799	.1628	.1524
162	BIOCULAR BREADTH	.1908	-.1437	.0982	.1082	.0561	.2140	.2253	.0774	.0774	.2148	.1274		.7105	.3829	.1414
163	INTERPUPILLARY BRD	.1646	-.1285	.1082	.0770	.0952	.2630	.2748	.2148	.2148	.1799	.1799	.7105		.6090	.2443
164	INTEROCULAR BR"DTH	.1240	.0788	.0498	.0770	.0515	.2140	.2527	.3041	.1701	.1092	.1628	.3829	.6090		.2964
165	NOSE BREADTH	.1912	.2197	.1472	.2028	.1093	.2964	.2706	.2642	.2346	.2964	.1524	.1414	.2443	.2964	
166	LIP LENGTH	.2045	.2513	.1291	.2246	.1313	.1250	.2510	.2428	.2521	.2965	.1584	.0690	.1648	.1759	.4370
167	EAR PROTRUSION	.0566	.0233	.1924	.2349	.0317	.0723	.0697	.1250	.1256	.0095	.6786	.0900	.0725	.0687	.0827
168	SUBNASALE-NASAL RT	.1702	.2854	.1689	.2243	.1455	.1067	.0494	.2070	.1436	.0312	.1655	-.0265	.0327	.0844	.0313
169	PHILTRUM LENGTH	.1597	.0393	.1150	.1822	.0762	.0956	.1161	.0815	.1501	.0262	.0847	.2679	.1616	.0379	-.1346
170	LIP-TO-LIP LENGTH	.0813	.0185	-.0858	-.1114	-.0229	-.1030	-.0002	-.1442	-.1322	-.0646	-.0768	.0109	.0229	.0478	-.0129
171	MENTON-SUBNASALE L	.4086	.1112	-.0583	-.1044	-.0236	.1480	.1141	.1932	.2060	.0387	.1837	.1611	.1161	.0842	.0516
172	MENTON-NASAL ROOT	.4776	.2668	-.1380	-.2123	-.0933	-.0994	.1485	-.1095	-.0246	-.0752	-.0079	.1190	.1153	.1239	-.0504
173	GLABELLA-TO-VERTEX	.2506	.0140	-.1101	-.0744	-.0063	-.1303	-.0588	-.0575	-.0257	-.0947	-.0302	.0837	.0444	-.0169	-.0546
174	NASAL ROOT-TO-VRTX	.3072	-.0340	-.0818	-.0422	-.0030	-.1426	.1138	-.0324	-.0529	-.0752	.0548	.1040	.0789	.0162	-.0198
175	XTRNL CANTHUS-VRTX	.3609	.0744	-.0749	-.0098	-.0015	-.1786	.1213	-.0383	.0487	.0901	.0600	.1138	.0831	.0347	-.0361
176	PRONASALE-TO-VRTX	.3591	.0875	-.0440	.0169	-.0451	.1610	.1158	-.0168	.0706	.0901	.0703	.0790	.0790	.0194	-.0383
177	SUBNASALE-TO-VRTX	.3598	.1127	-.0318	.0242	.0479	.1569	.1431	-.0038	-.0843	.1092	.0855	.1144	.0926	.0348	-.0315
178	STOMION-TO-VERTEX	.4081	.1427	-.0042	.0592	.0563	.1916	.1598	.0464	-.0706	.1055	.1138	.1576	.1098	.0717	-.0110
179	MENTON-TO-VERTEX	.5516	.1853	-.0042	.0823	.0563	.2964	.1856	.0464	-.1289	.1055	.1239	.1576	.1303	.0717	.0116
180	TRAGION-TO-VERTEX	.4331	.1515	-.0435	.0274	-.0232	.2964	.1417	.0634	.1448	.0926	.1239	.1227	.1124	.0979	.0154

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
181 GLABELLA-TO-WALL	.5757	.5408	.1028	.1449	.1279	.0584	.1576	.1090	.1303	.1327	.0828	.1691	.1941	.1828	.1830
182 NASAL ROOT-TO-WALL	.5594	.5603	.1123	.1494	.1330	.0535	.1390	.0986	.1146	.1204	.0792	.1529	.1808	.1756	.1661
183 XTRNL CANTHUS-WALL	.4545	.4892	.0887	.1372	.0915	.0403	.0709	.1091	.0892	.1085	.0785	.0562	.0949	.0883	.1592
184 PRONASALE-TO-WALL	.4893	.5764	.1878	.2276	.1561	.0356	.1138	.1733	.1307	.1131	.1080	.1091	.1356	.1397	.1954
185 SUBNASALE-TO-WALL	.4623	.5217	.1592	.1902	.1262	.0083	.0890	.1543	.1034	.0908	.0736	.0898	.1165	.1340	.2047
186 LIP PROMIN"CE-WALL	.4599	.4705	.1579	.1801	.1094	.0057	.0933	.1593	.1106	.0930	.0603	.0935	.1171	.1413	.2625
187 CHIN PROMINCE-WALL	.4270	.3829	.1733	.1946	.1008	.0647	.1070	.2297	.1722	.1322	.1057	.0681	.0967	.1207	.2659
188 TRAGION-TO-WALL	.3202	.3321	.0726	.0685	.0568	-.0154	-.0701	.0210	-.0512	-.0256	-.0463	-.0388	-.0250	.0214	.0835
189 GUESSED HEIGHT	.3613	.1920	.1579	.2040	.1204	.1304	.1956	.1892	.1868	.0999	.2054	.1201	.1350	.1046	.0445
190 GUESSED WEIGHT	.3925	.2540	.1801	.2793	.0950	.2926	.2963	.3875	.4449	.4023	.2663	.1870	.1897	.1626	.1825

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
1 AGE	.2175	.0877	.2010	.2769	-.3680	.0005	.1192	-.2408	-.2434	-.2008	-.1517	-.1758	-.1504	-.1385	-.1307
2 WEIGHT	.1734	.1156	.1196	.1309	-.0663	.1669	.2284	.0152	.0660	.1017	.0551	.0845	.1043	.1683	.1665
3 SKF SUBSCAP"R-LNGE	.0490	.0434	-.0379	.0503	-.0915	.0243	.0002	-.0698	-.0510	-.0258	-.0848	-.0763	-.0762	-.0457	.0390
4 SKF TRICEPS-LANGE	-.0138	.0214	-.0339	-.1033	-.1038	-.0469	.0371	-.0048	.0019	-.0307	-.0140	-.0101	-.0040	-.0122	.0629
5 SKF JUX"NIPPLE-LGE	.0409	.0552	.0132	.1165	-.1802	-.0028	.0132	-.0867	-.0716	-.0433	-.0845	-.0836	-.0824	-.0612	.0233
6 SKF MAL XIPH"D-LGE	.0134	.0297	-.0239	-.0457	-.1053	-.0024	-.0065	-.0561	-.0430	-.0067	-.0727	-.0629	-.0679	-.0476	.0511
7 SKF SUPRAILIAC-LGE	-.0043	-.0023	-.0584	-.0023	-.0354	-.0354	-.0046	-.0240	-.0391	.0595	-.0116	-.0017	-.0093	.0183	.0909
8 SKF SUPRAPATELLA-L	.0563	.0300	-.0119	.1154	-.0763	-.0822	.0671	-.0290	-.0318	-.0950	-.0396	-.0328	-.0239	.0129	.0420
9 SKF SUBSCAP"R-HARP	.0539	.0402	-.0195	.0685	-.1030	.0182	.0074	-.0921	-.0705	-.0385	-.1020	-.0961	-.0903	-.0602	.0327
10 SKF TRICEPS-HARP"N	.0136	-.0399	.0019	.1118	-.1231	.0489	.0541	-.0729	-.0576	-.0222	-.0694	-.0655	-.0538	-.0294	.0404
11 SKF SUPRAILIAC-HPN	.0012	-.0057	-.0504	.0006	-.0275	.0414	.0131	.0319	.0459	.0690	.0017	.0116	.0095	-.0336	.0911
12 GRIP STRENGTH	.0983	.0381	.0485	.0340	.0074	.0745	.1043	.0429	.0681	.0563	.0581	.0771	.0852	.1161	.0569
13 HEIGHT (STATURE)	.0851	.0894	.1955	.0335	.0555	.1712	.2748	.0998	.1713	.1805	.1863	.2255	.2399	.2826	.1959
14 CERVICALE HEIGHT	.0851	.0825	.1701	.0246	.0453	.1533	.2492	.0570	.1236	.1333	.1389	.1758	.1870	.2272	.1448
15 ACROMION HEIGHT	.0859	.0830	.1799	.0292	.0336	.1488	.2483	.0458	.1110	.1256	.1227	.1602	.1712	.2163	.1506
16 RADIALE HEIGHT	.0738	.0782	.1680	.0378	.0258	.1413	.2329	.0420	.1050	.1219	.1120	.1498	.1626	.2043	.1470
17 STYLION HEIGHT	.0669	.0742	.1543	.0399	-.0045	.1262	.2081	.0539	.1024	.1249	.1167	.1455	.1543	.1882	.1508
18 DACTYLION HEIGHT	.0435	.0536	.1174	.0286	-.0033	.1098	.1720	.0560	.1208	.1229	.0967	.1278	.1339	.1671	.1483
19 SUPRASTERNALE HGHT	.0903	.0970	.1801	.0340	-.0346	.1455	.2435	.0380	.1105	.1229	.1252	.1616	.1754	.2171	.1407
20 NIPPLE HEIGHT	.0737	.0667	.1582	-.0034	-.0641	.1340	.2198	.0530	.1223	.1279	.1290	.1657	.1745	.2149	.1315
21 WAIST HT-OMPHALION	.0653	.0697	.1673	.0027	-.0733	.1354	.2263	.0431	.1086	.1165	.1173	.1482	.1625	.2016	.1263
22 ILIOCRISTALE HT	.0611	.0612	.1488	.0126	.0599	.1409	.2230	.0455	.1093	.1072	.1076	.1446	.1549	.1985	.1344
23 BUTTOCK HEIGHT	.0530	.0499	.1346	-.0126	.0780	.1132	.1941	.0353	.1062	.1072	.1130	.1385	.1461	.1789	.1188
24 TROCHANTERION HGHT	.0606	.0569	.1525	-.0005	.0701	.1336	.2171	.0430	.1033	.1060	.1017	.1431	.1537	.1924	.1181
25 GLUTEAL FURROW HGT	.0389	.0420	.1297	-.0193	.0757	.1184	.1930	.0363	.1020	.0991	.1017	.1315	.1372	.1752	.1131
26 CROTCH HEIGHT	.0325	.0269	.1210	-.0241	.1074	.1349	.1992	.0712	.1270	.1244	.1273	.1589	.1637	.2006	.1211
27 PATELLA TOP HEIGHT	.0787	.0736	.1614	-.0225	.0434	.1395	.2300	.0021	.0651	.0697	.0738	.1040	.1182	.1679	.1044
28 KNEE CIRC HEIGHT	.0743	.0639	.1435	.0191	.0522	.1300	.2142	.0312	.0976	.1067	.1035	.1355	.1490	.1859	.1246
29 FIBULAR HEIGHT	.0589	.0497	.1363	.0422	.0591	.1405	.2179	.0701	.1350	.1369	.1426	.1739	.1890	.2196	.1429
30 CALF HEIGHT	.0514	.0261	.1285	.0171	.0925	.1402	.2103	.0787	.1358	.1317	.1471	.1712	.1817	.2140	.1216
31 ANKLE HEIGHT	.0840	.1059	.2033	.0137	.0048	.0569	.1568	-.0863	-.0267	-.0144	-.0099	.0041	.0159	.0472	.0339
32 SITTING HEIGHT	.1043	.1067	.1816	.0645	.0234	.1574	.2532	.1415	.1981	.2144	.2158	.2543	.2705	.3014	.2182
33 EYE HEIGHT/SITTING	.0925	.0916	.1716	.0645	.0104	.1290	.2153	.0606	.1105	.1021	.1373	.1683	.1828	.2063	.0803
34 MIDSHOULDER HT/SIT	.1125	.0899	.1188	.0770	-.0243	.1075	.1799	.0896	.1255	.1418	.1409	.1738	.1837	.2030	.1236
35 ACROMION H"GHT/SIT	.0980	.0794	.1061	.0637	-.0321	.0977	.1651	.0837	.1157	.1345	.1277	.1589	.1653	.1861	.1207
36 ELBOW REST HGT/SIT	.0454	.0357	.0185	.0623	-.0658	.0192	.0323	.0787	.0774	.0922	.0764	.0919	.0936	.0828	.0595
37 KNEE HEIGHT/SITT"G	.0762	.0739	.1529	.0440	-.0528	.1658	.2471	.0490	.1126	.1216	.1212	.1519	.1694	.2165	.1383
38 POPLITEAL HGT/SIT	.0347	.0572	.1390	-.0238	.0880	.1149	.1930	-.0637	.1275	.1211	.1361	.1656	.1726	.2022	.1251
39 BUTTOCK-KNEE LNGTH	.0751	.0699	.1536	-.0294	-.0498	.1577	.2272	-.0247	.0355	.0460	.0350	.0610	.0750	.1346	.1084
40 BUTTOCK-POPLITEAL	.0339	.0702	.0998	-.0004	.0650	.1388	.1875	.0060	.0604	.0806	.0533	.0787	.0903	.1420	.1218
41 ACRM-BICEP CIR LVL	.0568	.0474	.0792	.0035	.0423	.0778	.1217	.0563	.0880	.0857	.0955	.1083	.1112	.1337	.0861
42 SHOULDER-ELBOW LTH	.0893	.0798	.1540	.0045	.0412	.1189	.2110	.0451	.0598	.0665	.0805	.1036	.1074	.1529	.1008
43 ACROMION-RADIALE L	.0811	.0631	.1306	.0043	.0212	.1146	.1957	.0412	.0914	.0917	.1017	.1243	.1260	.1656	.1103
44 ELBOW-WRIST LENGTH	.0794	.0717	.1299	.0125	.0972	.1420	.2147	-.0217	.0356	.0408	.0448	.0671	.0884	.1488	.0789
45 RADIALE-STYLION LH	.0828	.0923	.1401	.0222	.0624	.1138	.1365	-.0095	.0385	.0395	.0554	.0784	.0902	.1366	.0596

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
46	ELBOW-GRIP LENGTH	.0795	.0892	.1595	.0191	.0763	.1215	.2188	.0043	.0670	.0609	.0818	.1057	.1197	.1657	.0829
47	THUMB-TIP REACH	.0761	.0709	.1519	.0620	.0374	.1421	.2267	.0165	.0771	.0846	.0991	.1196	.1360	.1748	.0817
48	THUMB-TIP R"CH/XTD	.0896	.0727	.1629	.0423	.0529	.1304	.2118	-.0097	-.0339	.0453	.0568	.0838	.1030	.1411	.0643
49	SLEEVE INSEAM	.0306	.0647	.1441	-.0277	-.0952	.1091	.1930	-.0260	.0788	.0767	.1001	.1216	.1279	.1612	.0869
50	BIACROMIAL BREADTH	.1421	.1001	.1154	-.0741	-.0139	.1319	.1873	-.0022	.0407	.0521	.0630	.0832	.1052	.1392	.1003
51	BIDELTOID BREADTH	.1544	.0947	.0895	.1079	-.0798	.1270	.1731	-.0061	-.0367	.0577	.0164	.0375	.0511	.1133	.1213
52	CHEST BREADTH	.1732	.1043	.1216	.1244	-.1073	.1121	.1793	-.0150	-.0178	.0477	-.0161	.0308	.0481	.1024	.1073
53	WAIST BROTH-OMPH"N	.1231	.1114	.1007	.1154	-.1283	.0963	.1505	-.0262	.0082	.0464	-.0019	.0130	.0246	.0695	.1211
54	BICRISTALE BREADTH	.1477	.0849	.1128	.0828	-.0853	.0879	.1460	-.0437	-.0002	.0188	-.0045	.0112	.0168	.0600	.0870
55	HIP BREADTH	.1091	.1091	.1200	.0855	-.0852	.0910	.1614	-.0203	.0184	.0527	-.0254	.0444	.0518	.0932	.1044
56	HIP BREADTH SITT"G	.1056	.1252	.1021	.1035	-.0781	.1118	.1652	-.0052	.0355	.0778	.0364	.0568	.0672	.1092	.1281
57	ELBOW BROTH BONE/R	.1656	.0406	.1358	.0268	-.0739	.0833	.1705	-.0066	.0262	.0358	.0453	.0701	.0816	.1196	.0516
58	ELBOW BROTH BONE/L	.1698	.0670	.1287	.0507	-.0625	.0890	.1728	-.0225	.0543	.0662	.0707	.0948	.1052	.1410	.0664
59	F"ARM-F"ARM BR"DTH	.1376	.0593	.0603	.1012	-.1007	.0852	.1170	-.0405	-.0078	.0279	-.0203	-.0056	.0060	.0511	.0696
60	KNEE BR"DTH BONE/R	.1242	.1204	.1593	.0784	-.0253	.1199	.2062	-.0368	.0862	.1001	.1001	.1310	.1356	.1708	.1253
61	KNEE BR"DTH BONE/L	.1215	.1189	.1499	.0808	-.0218	.1266	.2075	-.0415	.0896	.1046	.0990	.1324	.1383	.1749	.1274
62	CHEST DEPTH	.1542	.0741	.0719	.1423	-.1446	.0808	.1221	-.1149	-.0810	-.0423	-.0876	-.0791	-.0585	-.0112	.0495
63	WAIST DEPTH-OMPH"N	.1307	.0905	.0561	.1508	-.1545	.0811	.1077	-.0737	-.0374	-.0066	-.0489	-.0421	-.0267	.0110	.0606
64	BUTTOCK DEPTH	.0971	.0889	.0682	.1276	-.1049	.1121	.1404	-.0278	.0057	-.0317	-.0145	-.0013	.0153	.0650	.0936
65	THIGH CLEARANCE HT	.0806	.0274	-.0401	.0529	-.0889	.1033	.0778	.0714	.0948	.1073	.0493	.0688	.0742	.1100	.1151
66	NECK CIRC -MAXIMUM	.2516	.0584	.0791	.1315	-.1063	.1234	.1685	.0217	.0570	.1001	.0353	.0606	.0747	.1303	.1700
67	SHOULDER CIRCUM"CE	.1725	.0903	.0702	.0878	-.0660	.1240	.1622	-.0207	.0595	.0813	.0394	.0629	.0722	.1317	.1188
68	CHEST CIRC AT SCYE	.1855	.1173	.1472	.1261	-.1106	.1103	.1852	-.0783	-.0294	-.0031	-.0413	-.0243	-.0036	.0638	.0914
69	CHEST CIRCUMF"ENCE	.1761	.1062	.1269	.1369	-.1334	.1056	.1723	-.0955	-.0552	-.0132	-.0618	-.0470	-.0253	.0409	.0873
70	WAIST CIR-OMPHAL"N	.1217	.1217	.1428	.1385	-.1398	.1009	.1286	-.0361	-.0036	-.0369	-.0162	-.0021	.0108	.0542	.1003
71	WAIST CIR-OMPH/SIT	.1258	.0931	.0588	.1385	-.1425	.0833	.1158	-.0366	-.0016	.0314	-.0148	-.0065	.0040	.0447	.0954
72	BUTTOCK CIRCUM"CE	.1222	.1065	.0964	.1208	-.0675	.1377	.1855	-.0080	.0283	.0668	.0184	.0401	.0567	.1122	.1266
73	BUTTOCK CIRCUM/SIT	.1330	.1064	.0836	.1422	-.1004	.1169	.1678	-.0085	.0233	.0604	.0189	.0403	.0523	.0981	.1080
74	VERTICAL TRUNK CIR	.1479	.1264	.1650	.1358	-.0889	.1402	.2314	-.0155	.0343	.0726	.0449	.0732	.0912	.1450	.1286
75	VERT TRUNK CIR/SIT	.1334	.1206	.1643	.1123	-.0753	.1305	.2198	-.0099	.0371	.0646	.0447	.0765	.0926	.1412	.1119
76	SCROTALE-ANT WAIST	.1161	.1094	.1408	.1151	-.0786	.0866	.1661	-.0257	.0225	.0480	.0361	.0420	.0706	.0977	.1026
77	SCROTALE-A WAIST/S	.0879	.0614	.1095	.0689	-.0093	.1081	.1547	-.0204	.0433	.0613	.0539	.0749	.0956	.1271	.0902
78	SCRTL-SUPRASTERNLE	.1411	.1304	.1521	.1525	-.1107	.1160	.1963	-.0326	.0251	.0567	.0443	.0623	.0869	.1268	.1104
79	SCRTL-SUPRSTRNLE/S	.1278	.0974	.1348	.1064	-.0583	.0936	.1674	-.0338	.0828	.1052	.0993	.1309	.1521	.1679	.1008
80	SCRTL-ANT SCYE LVL	.1052	.1052	.1116	.1235	-.0864	.0855	.1753	-.0434	.0143	.0433	.0322	.0499	.0672	.1011	.1017
81	SCRTL-ANT SCYE L/S	.0803	.0601	.1256	.0606	-.0256	.0416	.1246	-.0321	.0741	.0971	.0894	.1180	.1298	.1332	.0953
82	SCRTL-A MIDSHOULDR	.1587	.0970	.1285	.1251	-.0897	.1132	.1912	.0095	.0584	.0850	.0684	.0921	.1094	.1504	.1241
83	SCRTL-A MDSHLDR/S	.1446	.0570	.1138	.0818	-.0505	.0904	.1642	.0803	.1205	.1415	.1303	.1640	.1778	.1950	.1231
84	SCROTALE-PST WAIST	.0847	.0678	.0384	.0528	-.0095	.0779	.1052	.0036	.0406	.0535	.0154	.0359	.0457	.0784	.0898
85	SCRTL-WAIST OVR BK	.0814	.0635	.0690	.0777	.0067	.1271	.1575	.0036	.0333	.0399	.0204	.0455	.0608	.1022	.0919
86	SCROTALE-P WAIST/S	.0596	.0765	.0922	.1040	-.0515	.0712	.1292	-.0155	.0186	.0530	.0150	.0210	.0458	.0739	.0721
87	SCRTL-WAIST/BUTT/S	.0416	.0719	.0910	.0807	-.0129	.0893	.1358	.0007	.0348	.0530	.0275	.0353	.0600	.0879	.0820
88	SCROTALE-CERVICALE	.1191	.0875	.0827	.0692	-.0199	.1260	.1751	.0355	.0789	.1037	.0705	.1034	.1173	.1527	.1282
89	SCROTALE-CERVCLE/S	.1033	.0939	.1170	.1058	-.0394	.1383	.2046	.0115	.0529	.0868	.0557	.0793	.1022	.1464	.1239
90	SCRTL-PST SCYE LVL	.0911	.0642	.0643	.0394	-.0208	.0927	.1330	.0847	.1108	.1229	.0914	.1203	.1214	.1527	.1323

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		156	167	168	169	170	171	172	173	174	175	176	177	178	179	180
91	SCRTL-PST SCYE L/S	.0724	.0732	.0970	.0818	-.0388	.1101	.1649	.0505	.0759	.0961	.0690	.0865	.0993	.1418	.1243
92	SCRTL-P MIDSHOULDR	.1388	.1048	.1254	.0989	-.0424	.1354	.2022	.0030	.0477	.0737	.0417	.0707	.0877	.1365	.1236
93	SCRTL-MDSHLD OVR B	.1334	.0978	.1385	.1022	-.0268	.1594	.2297	-.0076	.0471	.0735	.0497	.0823	.1021	.1529	.1225
94	SCRTL-P MDSHLDR/S	.1238	.1193	.1376	.1205	-.0526	.1428	.2151	-.0102	.0524	.0621	.0298	.0509	.0762	.1278	.1153
95	SCRTL-MDSHLD O B/S	.1113	.1201	.1438	.1101	-.0349	.1501	.2226	-.0058	.0514	.0760	.0511	.0718	.0982	.1478	.1219
96	UPPER THIGH CIRCUM	.0771	.0820	.0416	.0816	-.0295	.1060	.1213	-.0035	.0272	.0609	-.0019	.0147	.0266	.0759	.1259
97	UPPER THIGH C/SIT	.0937	.0855	.0453	.0837	-.0408	.1082	.1320	-.0084	.0230	.0563	-.0019	.0139	.0253	.0782	.1179
98	KNEE CIRCUMFERENCE	.1411	.1139	.1229	.1061	-.0393	.1422	.2046	-.0134	.0589	.0905	.0599	.0854	.1021	.1501	.1344
99	KNEE CIRCUM"CE/SIT	.1291	.1101	.1305	.1259	-.0440	.1503	.2225	-.0043	.0394	.0705	.0400	.0627	.0853	.1405	.1235
100	CALF CIRCUMF/RIGHT	.1056	.1073	.0780	.1076	-.0531	.1183	.1596	-.0235	.0515	.0761	.0344	.0545	.0725	.1184	.1304
101	CALF CIRCUMF/LEFT	.0926	.1088	.0779	.1018	-.0419	.1273	.1667	.0284	.0571	.0804	.0376	.0600	.0793	.1271	.1353
102	ANKLE CIRCUMF"ENCE	.1415	.1291	.1210	.1169	-.0396	.1424	.2008	.0325	.0533	.0815	.0614	.0841	.1029	.1500	.1318
103	SCYE CIRCUMFERENCE	.1620	.0546	.0814	.1256	-.0599	.1405	.1812	-.0354	.0089	.0423	-.0394	-.0272	-.0479	.1093	.0910
104	BICEPS C-EXTEND/RT	.1407	.0674	.0307	.1286	-.1011	.1150	.1345	-.0472	-.0131	.0120	-.0044	-.0243	-.0069	.0532	.0797
105	BICEPS C-EXTEND/LT	.1472	.0691	.0286	.1274	-.0920	.1119	.1259	-.0172	-.0133	.0416	-.0148	.0024	-.0171	.0734	.0996
106	BICEPS C-FLEXED/RT	.1459	.0555	.0189	.1126	-.0587	.1304	.1425	-.0102	.0225	.0384	-.0071	.0126	.0282	.0878	.0818
107	BICEPS C-FLEXED/LT	.1473	.0482	.0157	.1135	-.0626	.1328	.1378	-.0059	.0339	.0563	-.0028	.0234	.0384	.0975	.1027
108	ELBOW CIR-EXTENDED	.1869	.0698	.0800	.1145	-.0677	.1394	.1841	-.0362	.0095	.0282	-.0042	.0235	.0451	.1016	.0768
109	ELBOW CIRC-FLEXED	.1485	.0363	.1098	.0992	-.0641	.1485	.2047	-.0358	.0092	.0092	-.0002	.0166	.0347	.1024	.0588
110	LOWER ARM C-EXTEND	.1872	.0701	.0861	.1360	-.0789	.1587	.1999	-.0397	.0052	.0244	-.0051	.0181	.0417	.1044	.0839
111	LOWER ARM C-FLEXED	.1881	.0332	.0844	.1143	-.0686	.1504	.1933	-.0116	.0299	.0367	.0175	.0380	.0563	.1191	.0795
112	WRIST CIRCUMF"ENCE	.1474	.0923	.1344	.1338	-.0521	.1204	.1973	-.0023	.0248	.0488	.0475	.0671	.0892	.1309	.0631
113	SLVE L/SPINE-SCYE	.1596	.0678	.1478	.0827	-.0734	.0726	.1608	.0413	.0586	.0780	.0761	.0856	.0904	.1237	.0977
114	SLVE L/SPINE-ELBOW	.1339	.0829	.1431	.0300	.0061	.1222	.2054	.0651	.1085	.1310	.1241	.1515	.1540	.1944	.1353
115	SLVE L/SPINE-WRIST	.1271	.0924	.1523	.0312	.0499	.1531	.2391	-.0408	.0931	.1104	.1086	.1385	.1485	.2020	.1225
116	ANTERIOR NECK LGTH	-.0155	-.0329	.0628	-.0913	.0609	-.0367	.0044	.1092	.1114	.0838	.1235	.1327	.1131	.0846	.0453
117	POSTERIOR NECK LTH	-.0214	-.0025	.0443	-.0067	.0390	.0031	.0238	-.1037	.1234	.1061	.1256	.1381	.1395	.1207	.0416
118	SHOULDER LENGTH	.1165	.0766	.0673	.0479	.0106	.0594	-.0055	.1261	.0449	.0507	.0637	.0829	.0946	.0797	.0321
119	DELTOID ARC	.0527	.0402	.0200	.0193	.0076	.0656	.0720	-.1261	-.1441	-.1395	-.1329	-.1546	-.1413	.1557	.1193
120	TNTERSCYE	.1174	.1136	.1369	.0976	-.0968	.0692	.1347	-.0962	-.0733	-.0522	-.0751	-.0742	-.0543	-.0006	-.0497
121	INTERSCYE MAXIMUM	.1955	.0870	.1306	.0871	-.0406	.1229	.1973	-.0119	-.0365	.0495	.0420	.0672	.0778	.1300	.0803
122	WAIST FRONT-OMPH"N	.1054	.0917	.0818	.0961	-.0979	.0593	.1135	-.0129	.0271	.0551	.0433	.0666	.0729	.0968	.0759
123	CROTCH LGTH-OMPH"N	.0990	.1282	.1170	.1313	-.0666	.1191	.1821	-.0202	.0191	.0530	.0217	.0346	.0547	.0983	.1077
124	WAIST BACK-OMPHL"N	.0959	.0644	.1054	.0511	-.0354	.1112	.1591	.0462	.0790	.0958	.0974	.1275	.1355	.1550	.0949
125	FOOT LENGTH	.1284	.0980	.2268	.0691	.0363	.1618	.2747	.0188	.0681	.0800	.1093	.1399	.1645	.2040	.1093
126	INSTEP LENGTH	.1230	.0780	.1915	.0689	.0275	.1560	.2476	-.0240	.0217	.0322	.0517	.0795	.1058	.1522	.0779
127	FOOT BREADTH	.1302	.0826	.1370	.0860	.0497	.1932	.2569	-.0600	.0986	.1235	.1253	.1462	.1868	.2279	.1312
128	BALL-OF-FOOT CIRC	.1743	.1192	.1874	.1179	-.0005	.1849	.2772	-.0170	.0261	.0583	.0556	.0812	.1167	.1773	.1197
129	INSTEP CIRCUMF"NCE	.1645	.1130	.2124	.1228	-.0042	.1838	.2780	-.0235	.0237	.0554	.0558	.0776	.1142	.1668	.1166
130	HEEL CIRCUMFERENCE	.1868	.1333	.2020	.1153	-.0070	.1967	.2931	-.0318	.0784	.1018	.1029	.1337	.1642	.2195	.1512
131	BI-MALLEOLAR BRDTH	.1529	.1753	.2254	.1001	-.0713	.1309	.2360	-.0444	-.0059	.0070	.0294	.0424	.0576	.1125	.0809
132	LAT"L MALLEOLUS HT	.0420	.0399	.1309	.0588	-.0053	.1285	.1814	-.0119	.0483	.0583	.0488	.0660	.0857	.1263	.0821
133	MED"L MALLEOLUS HT	.0509	.0737	.1519	.0295	-.0185	.0795	.1525	-.0011	.0448	.0586	.0725	.0924	.0957	.1157	.0606
134	HAND LENGTH	.1312	.1070	.2467	.0760	.0578	.1586	.2790	-.0026	.0568	.0690	.0966	.1256	.1528	.1943	.0817
135	PALM LENGTH	.1075	.0749	.2395	.0330	.0449	.1127	.2378	-.0183	.0373	.0516	.0748	.0960	.1184	.1502	.0736

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
136 HAND BR/METACARPLE	.1875	.0800	.1261	.0721	-.0260	.1180	.1878	.0500	.0815	.1051	.1101	.1288	.1461	.1771	.0943
137 HAND BRTH AT THUMB	.1617	.0988	.1730	.1159	-.0487	.1414	.2430	-.0025	.0417	.0732	.0811	.0981	.1250	.1699	.1143
138 HAND C/METACARPALE	.2316	.1061	.1740	.0870	-.0354	.1525	.2412	-.0190	.0226	.0487	.0552	.0758	.1015	.1575	.0896
139 HAND C ROUND THUMB	.2300	.1136	.1716	.1508	-.0663	.1746	.2594	-.0253	.0202	.0505	.0551	.0749	.1062	.1612	.1010
140 HAND THICK/META-3	.1374	-.0114	.0632	.0297	-.0303	.0513	.1186	.0248	.0319	.0478	.0642	.0686	.0819	.0872	.0367
141 HEAD CIRCUMFERENCE	.2481	.0505	.1733	.1404	-.0261	.2249	.3153	.1627	.2189	.2694	.2465	.2752	.3029	.3691	.3788
142 SAGITTAL ARC/INION	-.0021	-.0009	-.0268	.1847	-.0179	.1702	.1518	.3753	.3577	.3692	.3358	.3476	.3501	.3767	.3688
143 MINIMUM FRONTL ARC	-.1287	-.0083	-.0318	.0689	-.0304	.1366	.2213	.0865	.0918	.1125	.0852	.0935	.1018	.1545	.1546
144 BITRAGION-CORONAL	.1274	.0316	.0927	.0131	.0669	.1767	.2894	.4496	.4852	.5406	.4499	.4908	.4988	.5296	.6965
145 BITRAGN-MIN FRNTAL	.2516	-.0653	-.0004	.1460	-.0004	.2123	.1826	.1687	.2249	.2578	.2862	.2862	.3149	.3528	.3604
146 BITRAG"N-SUBNASALE	.3319	.1060	.1468	.1904	-.0527	.1285	.3257	.3312	.0227	.0346	.0235	.0568	.0925	.1286	.0834
147 BITRAGION-MENTON	.3410	.1027	.1513	.1873	-.0855	.2526	.2520	-.0810	-.0243	.0111	-.0078	-.0205	-.0572	.1823	-.0378
148 BIT-SUBMANDIBULAR	.2117	.1148	.1193	.2282	-.0837	.1967	.1558	-.1435	-.0861	-.0555	-.0754	-.0507	-.0072	-.0785	-.0126
149 BITRAG"N-POSTERIOR	.1639	.1277	.1251	-.0229	.0195	.1060	.2894	-.0391	-.0073	-.0343	-.0129	.0374	.0615	.1098	.1020
150 HEAD LENGTH	.1972	.0697	.1358	.1113	.0286	.2334	.4776	.1255	.1796	.1906	.2054	.2266	.2628	.3232	.2379
151 HEAD DIAGNL/MENTON	.2045	.0566	.1702	.1597	.0813	.4086	.2668	.2606	.3072	.3609	.3191	.3598	.4081	.5516	.4331
152 HD DIAG/INION-NOSE	.2513	.0233	.2854	-.0393	-.0185	.1112	.1380	.0140	.0340	-.0744	-.0876	-.1127	-.1427	-.1853	-.1515
153 EAR BREADTH	.1291	.1924	.1689	.1150	-.0858	.0583	.2123	-.1101	-.0818	-.0749	-.0440	-.0476	-.0318	-.0042	-.0435
154 EAR LENGTH	.2246	.2349	.2243	.1822	-.1114	.1036	.0933	-.0744	-.0422	-.0098	.0169	.0242	.0592	.0563	-.0274
155 EAR L ABVE TRAGION	.1313	.0317	.1455	.0762	-.0229	.0235	.1480	-.0063	-.0030	-.0015	.0451	.0479	.0519	.0563	-.0232
156 HEAD BREADTH	.1250	.0723	.1067	.0956	-.1030	.0705	.1485	.0994	.1303	.1786	.1426	.1610	.1569	.1916	.2964
157 MAXIMUM FRONTAL BR	.2510	.0697	.0494	.1161	-.0002	.1141	.1932	.0688	.1138	.1213	.1158	.1431	.1598	.1866	.1417
158 BITRAGION BREADTH	.2428	.1250	.2070	.0815	-.1442	.0736	.2060	-.1095	-.0575	-.0383	-.0324	-.0168	-.0038	.0464	.0634
159 BIZYGOMATIC BR"DTH	.2521	.1256	.1436	.1501	-.1322	.1142	.0387	-.0246	.0257	.0529	.0487	.1092	.0843	.1289	.1448
160 BIGONIAL BREADTH	.2965	.0095	.0312	-.0646	-.0708	-.0020	.1837	.0752	.0947	.0931	.0901	.1135	.1055	.1055	.0926
161 EAR-TO-EAR BREADTH	.1584	.6786	.1655	.0847	.0109	.0768	.1190	-.0079	.0302	.0548	.0600	.0703	.0855	.1138	.1239
162 BIOCULAR BREADTH	.0690	.0900	-.0265	.2679	.0229	.1611	.1163	.0837	.1040	.1138	.1128	.1144	.1323	.1576	.1227
163 INTERPUPILLARY BRD	.1648	.0725	-.0327	.1616	.0478	.1161	.1239	.0444	.0789	.0831	.0790	.0926	.1098	.1303	.1124
164 INTEROCULAR BR"DTH	.1759	.0687	.0844	.0379	-.0129	.0842	.0504	.0169	.0162	.0347	.0021	.0194	.0348	.0717	.0979
165 NOSE BREADTH	.4370	.0827	.0313	.1346	-.0332	.0516	.1067	-.0546	-.0198	-.0361	-.0383	-.0315	-.0110	.0116	.0154
166 LIP LENGTH		.0153	.0756	-.0063	-.0332	-.0521	.0082	-.0264	-.0078	-.0031	-.0010	-.0074	.0105	.0109	.0060
167 EAR PROTRUSION	.0153		.0966	.1197	-.0208	-.0178	-.0233	-.0233	-.0085	-.0134	.0074	.0228	.0228	.0324	.0091
168 SUBNASALE-NASAL RT	.0756	.0966		-.0178	-.0691	.1667	.5368	-.1327	-.1202	-.0409	-.0145	-.0145	.1407	.1723	.0568
169 PHILTRUM LENGTH	-.0063	.1197	-.0178		-.1232	.4741	.3368	-.0351	-.0290	-.0146	.0604	-.0206	.1239	.1670	.0286
170 LIP-TO-LIP LENGTH	-.0332	-.0208	-.0691	-.1232		.3237	.2180	.0953	.1043	.0604	.0963	.0797	.1601	.2143	.0770
171 MENTON-SUBNASALE L	-.0521	-.0178	.1667	.4741	.3237		.7895	.0551	.0676	.0901	.0857	.1019	.2490	.4919	.1698
172 MENTON-NASAL ROOT	.0082	-.0233	.5368	.3368	.2180	.7895		-.0280	-.0085	-.0085	.0604	.1485	.1767	.2887	.1819
173 GLABELLA-TO-VERTEX	-.0264	-.0233	-.1327	-.0351	.0953	.0551	-.0280		.9475	.8915	.8797	.8795	.8531	.7508	.6543
174 NASAL ROOT-TO-VRTX	-.0078	-.0085	-.1202	-.0290	.1043	.0676	-.0085	.9475		.9003	.9092	.9136	.8884	.7874	.6665
175 XTRNL CANTHUS-VRTX	-.0031	-.0134	-.0409	-.0146	.0604	.0901	-.0085	.8915	.9003		.8638	.8782	.8669	.8324	.8045
176 PRONASALE-TO-VRTX	-.0010	.0074	-.0145	.0604	.0963	.0857	.0604	.8797	.9092	.8638		.9716	.9354	.8324	.6311
177 SUBNASALE-TO-VRTX	-.0074	.0228	-.0145	-.0206	.0797	.1019	.1485	.8795	.9136	.8782	.9716		.9569	.8613	.6607
178 STOMION-TO-VERTEX	.0105	.0228	.1407	.1239	.1601	.2490	.1767	.8531	.8884	.8669	.9354	.9569		.9164	.6698
179 MENTON-TO-VERTEX	.0109	.0324	.1723	.1670	.2143	.4919	.2887	.7508	.7874	.8324	.8324	.8613	.9164		.6610
180 TRAGION-TO-VERTEX	.0060	.0091	.0568	.0286	.0770	.1698	.1819	.6543	.6665	.8045	.6311	.6607	.6698	.6610	

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1967

	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181 GLABELLA-TO-WALL	.1833	.0067	.0967	.1116	.0462	.2260	.2561	.1776	.2290	.2413	.2442	.2684	.2992	.3525	.2716
182 NASAL ROOT-TO-WALL	.1804	.0007	.1615	.1047	.0307	.2148	.2954	.0925	.1287	.1640	.1618	.1887	.2218	.2837	.2294
183 XTRNL CANTHUS-WALL	.1481	.0126	.1290	.1318	.0164	.1931	.2422	-.0900	-.0556	-.0252	-.0478	-.0177	.0256	.1046	.0973
184 PRONASALE-TO-WALL	.2230	.0248	.2967	.0926	-.0055	.1707	.3055	-.2499	-.2317	-.1505	-.1850	-.1467	-.1013	-.0049	.0308
185 SUBNASALE-TO-WALL	.2126	.0190	.2040	.1102	.0286	.1687	.2385	-.3189	-.2979	-.2238	-.2998	-.2593	-.2039	-.0968	-.0154
186 LIP PROMIN"CE-WALL	.2378	.0149	.1199	.1108	.0830	.1769	.2041	-.3639	-.3420	-.2700	-.3669	-.3325	-.2711	-.1507	-.0496
187 CHIN PROMINCE-WALL	.2539	.0336	.0757	.0389	-.1239	.0282	.0846	-.4561	-.4399	-.3600	-.4702	-.4479	-.4334	-.3049	-.1206
188 TRAGION-TO-WALL	.0380	.0085	.1007	.0741	.0307	.1402	.1596	-.1657	-.1576	-.1240	-.1581	-.1425	-.1084	-.0297	-.0069
189 GUESSED HEIGHT	.0803	.0844	.1812	.0234	.0519	.1556	.2523	.0909	.1610	.1663	.1694	.2065	.2171	.2583	.1846
190 GUESSED WEIGHT	.1736	.1102	.1296	.1167	-.0587	.1668	.2364	.0233	.0777	.1116	.0699	.1024	.1200	.1830	.1706

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		181	182	183	184	185	186	187	188	189	190
1	AGE	.0017	.0262	.1303	.1487	.1069	.1011	.1875	.0814	-.0560	.0986
2	WEIGHT	.2758	.2725	.2202	.2967	.2797	.2309	.3291	.1343	.5236	.9738
3	SKF SUBSCAP"R-LNGE	.0849	.0823	.1146	.1268	.1395	.1702	.2188	.0982	.0268	.5255
4	SKF TRICEPS-LANGE	.0541	.0620	.0776	.0848	.0736	.0853	.1281	.0316	.1088	.5021
5	SKF JUX"NIPPLE-LGE	.0539	.0551	.1060	.1109	.1123	.1327	.2093	.0751	.0468	.5438
6	SKF MAL XIPH"D-LGE	.0362	.0358	.0761	.0826	.0903	.1157	.1840	.0578	.0350	.5669
7	SKF SUPRAILIAC-LGE	.0871	.0797	.0720	.0848	.0982	.1210	.1603	.0450	.0915	.6011
8	SKF SUPRAPATELLA-L	.0722	.0718	.0844	.0993	.0975	.1223	.1612	.0782	.0493	.4840
9	SKF SUBSCAP"R-HARP	.0856	.0821	.1262	.1352	.1486	.1804	.2349	.1134	.0106	.5310
10	SKF TRICEPS-HARP"N	.0480	.0507	.0820	.1019	.0939	.1095	.1600	.0472	.0816	.5119
11	SKF SUPRAILIAC-HPN	.0935	.0860	.0727	.0879	.0984	.1215	.1469	.0392	.0833	.5809
12	GRIP STRENGTH	.1588	.1526	.1112	.1488	.1252	.1258	.1431	.0441	.3205	.3822
13	HEIGHT (STATURE)	.2680	.2685	.1754	.2512	.2086	.1868	.1763	.0802	.9559	.5647
14	CERVICALE HEIGHT	.2367	.2414	.1586	.2376	.1955	.1807	.1808	.0658	.9400	.5771
15	ACROMION HEIGHT	.2372	.2430	.1650	.2482	.2106	.1965	.2025	.0756	.9236	.5990
16	RADIALE HEIGHT	.2324	.2401	.1685	.2476	.2136	.1994	.2046	.0849	.8859	.6027
17	STYLION HEIGHT	.2222	.2312	.1672	.2287	.1990	.1795	.1816	.0869	.8025	.5451
18	DACTYLION HEIGHT	.1916	.2002	.1442	.1946	.1719	.1535	.1508	.0800	.7352	.5084
19	SUPRASTERNALE HGHT	.2460	.2501	.1682	.2501	.1890	.1967	.1969	.0699	.9360	.6006
20	NIPPLE HEIGHT	.2315	.2337	.1535	.2220	.1739	.1739	.1672	.0616	.9077	.5292
21	WAIST HT-OMPHALION	.2233	.2301	.1511	.2212	.1876	.1726	.1610	.0644	.8948	.4715
22	ILIOCRISTALE HT	.2170	.2213	.1472	.2217	.1896	.1805	.1771	.0597	.8890	.5511
23	BUTTOCK HEIGHT	.1944	.1993	.1304	.1959	.1691	.1610	.1531	.0521	.8463	.4893
24	TROCHANTERION HGHT	.2124	.2189	.1432	.2175	.1820	.1700	.1636	.0541	.8588	.4685
25	GLUTEAL FURROW HGT	.1880	.1951	.1269	.1883	.1626	.1553	.1492	.0516	.8510	.4537
26	CROTCH HEIGHT	.1907	.1965	.1229	.1779	.1492	.1362	.1168	.0441	.8343	.4094
27	PATELLA TOP HEIGHT	.2135	.2235	.1524	.2346	.2051	.1962	.1910	.0674	.8305	.4916
28	KNEE CIRC HEIGHT	.2117	.2191	.1469	.2168	.1844	.1746	.1665	.0530	.8365	.4993
29	FIBULAR HEIGHT	.2205	.2245	.1466	.1997	.1661	.1569	.1426	.0504	.8201	.4728
30	CALF HEIGHT	.1894	.1836	.1070	.1629	.1334	.1300	.1132	.0231	.7259	.4380
31	ANKLE HEIGHT	.1322	.1288	.1080	.1791	.1707	.1565	.1619	.0778	.4573	.2316
32	SITTING HEIGHT	.2648	.2593	.1656	.2254	.1829	.1569	.1468	.0886	.7446	.4938
33	EYE HEIGHT/SITTING	.2053	.2036	.1274	.1906	.1517	.1274	.1242	.0651	.6950	.4493
34	MIDSHOULDER HT/SIT	.2068	.2027	.1304	.1911	.1464	.1329	.1545	.0534	.6585	.5362
35	ACROMION H"GHT/SIT	.1904	.1865	.1205	.1765	.1363	.1232	.1497	.0497	.6074	.5129
36	ELBOW REST HGT/SIT	.0888	.0847	.0670	.0739	.0512	.0416	.0538	.0399	.1648	.2691
37	KNEE HEIGHT/SITT"G	.2412	.2446	.1660	.2378	.2035	.1944	.1851	.0685	.8608	.5799
38	POPLITEAL HGHT/SIT	.1966	.1991	.1200	.1765	.1448	.1304	.1122	.0364	.8179	.3548
39	BUTTOCK-KNEE LNGTH	.2145	.2234	.1706	.2529	.2355	.2343	.2417	.1186	.7536	.6530
40	BUTTOCK-POPLITEAL	.1682	.1764	.1219	.1918	.1769	.1735	.1801	.0654	.6758	.5807
41	ACRM-BICEP CIR LVL	.1306	.1272	.0837	.1161	.1037	.0993	.0999	.0341	.4674	.3108
42	SHOULDER-ELBOW LTH	.1697	.1692	.1051	.1801	.1522	.1451	.1612	.0392	.7304	.4367
43	ACROMION-RADIALE L	.1657	.1658	.1015	.1651	.1356	.1332	.1440	.0265	.6962	.4216
44	ELBOW-WRIST LENGTH	.1871	.1911	.1257	.2240	.1997	.2043	.2065	.0566	.7249	.4532
45	RADIALE-STYLION LH	.1659	.1642	.0996	.1956	.1688	.1672	.1778	.0487	.6845	.4369

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		181	182	183	184	185	186	187	188	189	190
46	ELBOW-GRIP LENGTH	.2033	.2012	.1351	.2264	.2001	.1970	.1896	.0571	.7370	.4506
47	THUMB-TIP REACH	.1823	.1841	.1311	.2000	.1609	.1563	.1606	.0547	.6536	.4470
48	THUMB-TIP R"CH/XTD	.1895	.1950	.1340	.2173	.1881	.1847	.1847	.0634	.6227	.4099
49	SLEEVE INSEAM	.1452	.1455	.0806	.1494	.1180	.1121	.1059	.0287	.6938	.3232
50	BIACROMIAL BREADTH	.1901	.1832	.1269	.1964	.1754	.1783	.1887	.0555	.3866	.4555
51	BIDELTOID BREADTH	.2115	.2005	.1764	.2270	.2249	.2393	.2850	.1026	.3227	.7692
52	CHEST BREADTH	.1913	.1833	.1695	.2170	.2056	.2170	.2542	.1010	.2778	.7242
53	WAIST BRDTH-OMPH"N	.1649	.1629	.1445	.2141	.2021	.2170	.2638	.0807	.3100	.8190
54	BICRISTALE BREADTH	.1473	.1454	.1333	.1978	.1758	.1851	.2276	.0686	.3270	.6373
55	HIP BREADTH	.1724	.1728	.1238	.2171	.1912	.1890	.2363	.0600	.4285	.7859
56	HIP BREADTH SITT"G	.1658	.1647	.1209	.2044	.1819	.1831	.2294	.0620	.3891	.8271
57	ELBOW BRDTH BONE/R	.1515	.1483	.1247	.1758	.1549	.1500	.1778	.0512	.4209	.4573
58	ELBOW BRDTH BONE/L	.1652	.1632	.1192	.1892	.1639	.1531	.1823	.0423	.4407	.4754
59	F"ARM-F"ARM BR"DTH	.1524	.1505	.1510	.1926	.1881	.2054	.2511	.0944	.2120	.6798
60	KNEE BR"DTH BONE/R	.2160	.2162	.1383	.2212	.1934	.1799	.1923	.0556	.4571	.6259
61	KNEE BR"DTH BONE/L	.2168	.2176	.1418	.2226	.1946	.1822	.1933	.0526	.4704	.6318
62	CHEST DEPTH	.1444	.1510	.1821	.2353	.2345	.2589	.3213	.1374	.2095	.7224
63	WAIST DEPTH-OMPH"N	.1447	.1423	.1547	.1878	.1842	.1988	.2532	.1081	.1625	.7140
64	BUTTOCK DEPTH	.1835	.1759	.1573	.2061	.2083	.2179	.2594	.1056	.2247	.7750
65	THIGH CLEARANCE HT	.1524	.1430	.0996	.1239	.1335	.1530	.1725	.0704	.1900	.7366
66	NECK CIRC -MAXIMUM	.2726	.2673	.2287	.2827	.2719	.2854	.3365	.1346	.2314	.6761
67	SHOULDER CIRCUM"CE	.2154	.2058	.1718	.2124	.2124	.2293	.2768	.0907	.3350	.8034
68	CHEST CIRC AT SCYE	.2051	.2039	.1998	.2658	.2685	.2862	.3348	.1439	.2869	.7795
69	CHEST CIRCUMF"ENCE	.1930	.1965	.2032	.2694	.2679	.2881	.3437	.1486	.2634	.7980
70	WAIST CIR-OMP+AL"N	.1591	.1581	.1550	.2011	.1912	.2070	.2544	.0906	.2410	.8185
71	WAIST CIR-OMPH/SIT	.1538	.1502	.1460	.1882	.1839	.2013	.2624	.0932	.2019	.7801
72	BUTTOCK CIRCUMF"CE	.2034	.2004	.1581	.2360	.2238	.2327	.2757	.0973	.3784	.8876
73	BUTTOCK CIRCUM/SIT	.1982	.1970	.1753	.2338	.2121	.2177	.2635	.0957	.3459	.8554
74	VERTICAL TRUNK CIR	.2454	.2435	.1965	.2793	.2536	.2513	.3021	.1200	.6155	.8209
75	VERT TRUNK CIR/SIT	.2332	.2328	.1857	.2444	.2444	.2405	.2823	.1165	.6249	.7656
76	SCROTALE-ANT WAIST	.1565	.1559	.1330	.1695	.1466	.1487	.1776	.0813	.3902	.4603
77	SCROTALE-A WAIST/S	.1626	.1626	.1161	.1706	.1515	.1404	.1485	.0701	.4347	.3457
78	SCRTL-SUPRASTERNLE	.1866	.1879	.1573	.2181	.1876	.1902	.2245	.0907	.5044	.6563
79	SCRTL-SUPRSTRNLE/S	.2005	.2018	.1447	.1998	.1633	.1499	.1637	.0643	.5568	.5355
80	SCRTL-ANT SCYE LVL	.1658	.1679	.1403	.2000	.1736	.1763	.2192	.0904	.5010	.5645
81	SCRTL-ANT SCYE L/S	.1661	.1659	.1139	.1633	.1304	.1391	.1391	.0548	.5041	.3767
82	SCRTL-A MIDSHOULDR	.2024	.1998	.1575	.2225	.1903	.1933	.2383	.0805	.5313	.7180
83	SCRTL-A MDSHLDR/S	.2171	.2134	.1472	.2038	.1604	.1514	.1758	.0502	.5795	.6071
84	SCROTALE-PST WAIST	.1665	.1654	.1410	.1752	.1709	.1751	.1913	.0946	.2870	.5972
85	SCRTL-WAIST OVR BK	.1849	.1847	.1511	.1974	.1937	.1938	.1974	.1013	.3381	.5796
86	SCROTALE-P WAIST/S	.1277	.1346	.1263	.1489	.1385	.1431	.1542	.0741	.2495	.4754
87	SCRTL-WAIST/BUTT/S	.1305	.1364	.1077	.1433	.1385	.1413	.1539	.0595	.2800	.4974
88	SCROTALE-CERVICALE	.2168	.2164	.1734	.2291	.2071	.1992	.2236	.1047	.5348	.7008
89	SCROTALE-CERVCLE/S	.1943	.1996	.1661	.1986	.1986	.1992	.2269	.1009	.5140	.6762
90	SCRTL-PST SCYE LVL	.1930	.1881	.1444	.1793	.1634	.1582	.1798	.0782	.4537	.6146

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		181	182	183	184	185	186	187	188	189	190
91	SCRTL-PST SCYE L/S	.1572	.1701	.1358	.1765	.1594	.1597	.1868	.0742	.4259	.5900
92	SCRTL-P MIDSHOULDR	.2373	.2369	.1986	.2595	.2469	.2437	.2744	.1416	.5239	.7447
93	SCRTL-MDSHLD OVR B	.2479	.2486	.2054	.2679	.2523	.2469	.2540	.1444	.5479	.7110
94	SCRTL-P MDSHLDR/S	.2051	.2081	.1770	.2370	.2210	.2235	.2581	.1218	.4974	.7121
95	SCRTL-MDSHLD O B/S	.2121	.2130	.1680	.2337	.2164	.2152	.2423	.1110	.5310	.7080
96	UPPER THIGH CIRCUM	.1715	.1661	.1290	.1889	.1953	.2132	.2434	.1033	.2547	.8160
97	UPPER THIGH C/SIT	.1773	.1726	.1378	.1973	.2031	.2213	.2548	.1024	.2729	.8404
98	KNEE CIRCUMFERENCE	.2320	.2260	.1600	.2460	.2226	.2213	.2548	.0927	.4308	.8274
99	KNEE CIRCUM"CE/SIT	.2299	.2253	.1707	.2566	.2365	.2393	.2634	.1067	.4466	.8325
100	CALF CIRCUMF/RIGHT	.1907	.1853	.1373	.1949	.1933	.1958	.2192	.0901	.2566	.7468
101	CALF CIRCUMF/LEFT	.1923	.1872	.1391	.1979	.1946	.1986	.2187	.0883	.2756	.7568
102	ANKLE CIRCUMF"ENCE	.2173	.2147	.1423	.2204	.2018	.1983	.2171	.0896	.3296	.6812
103	SCYE CIRCUMFERENCE	.2101	.2056	.1657	.2390	.2282	.2379	.2667	.0973	.3667	.7228
104	BICEPS C-EXTEND/RT	.1753	.1681	.1541	.2079	.2059	.2283	.2737	.1079	.1708	.7604
105	BICEPS C-EXTEND/LT	.1740	.1642	.1454	.1876	.1920	.2126	.2557	.0965	.1671	.7674
106	BICEPS C-FLEXED/RT	.1850	.1763	.1429	.1906	.1903	.2110	.2466	.0932	.2003	.7442
107	BICEPS C-FLEXED/LT	.1767	.1677	.1339	.1789	.1838	.2048	.2406	.0828	.1994	.7524
108	ELBOW CIR-EXTENDED	.2410	.2334	.1968	.2693	.2565	.2592	.3031	.1189	.3445	.7671
109	ELBOW CIRC-FLEXED	.2053	.2046	.1525	.2396	.2263	.2336	.2603	.0974	.3848	.5944
110	LOWER ARM C-EXTEND	.2384	.2329	.1993	.2662	.2578	.2720	.3058	.1281	.2992	.7690
111	LOWER ARM C-FLEXED	.2317	.2253	.1675	.2485	.2311	.2426	.2691	.0908	.3150	.6995
112	WRIST CIRCUMF"ENCE	.2317	.2318	.1655	.2505	.2138	.2131	.2361	.0899	.3491	.5796
113	SLVE L/SPINE-SCYE	.1579	.1647	.1255	.1695	.1387	.1348	.1675	.0717	.2841	.5183
114	SLVE L/SPINE-ELBOW	.1991	.1956	.1257	.1965	.1564	.1465	.1621	.0315	.6275	.5851
115	SLVE L/SPINE-WRIST	.2252	.2244	.1457	.2341	.1962	.1905	.2001	.0503	.7402	.6117
116	ANTERIOR NECK LGTH	.0055	-.0004	-.0425	-.0264	-.0426	-.0723	-.1050	-.0172	.2700	-.1466
117	POSTERIOR NECK LTH	.0494	.0450	.0053	.0100	-.0032	-.0222	-.0536	-.0331	-.1916	-.0291
118	SHOULDER LENGTH	.1352	.1210	.0802	.1250	.0974	.1011	.1064	-.0227	.3355	.2955
119	DELTOID ARC	.1039	.0885	.0513	.0618	.0455	.0371	.0512	-.0074	.4034	.3149
120	INTERSCYE	.1382	.1390	.1432	.1848	.1958	.2108	.2432	.1368	.1421	.3789
121	INTERSCYE MAXIMUM	.2117	.2130	.1555	.2339	.2051	.2098	.2455	.0804	.4411	.6793
122	WAIST FRONT-OMPH"N	.1321	.1321	.1097	.1585	.1293	.1308	.1656	.0473	.3806	.5607
123	CROTCH LGTH-OMPH"N	.1993	.1919	.1622	.2138	.1972	.2008	.2393	.1109	.3990	.7035
124	WAIST BACK-OMPHL"N	.1476	.1522	.1120	.1666	.1296	.1172	.1382	.0522	.5582	.4418
125	FOOT LENGTH	.2489	.2525	.1729	.2695	.2276	.2157	.1985	.0733	.6656	.5073
126	INSTEP LENGTH	.2158	.2205	.1587	.2581	.2286	.2157	.2034	.0794	.5903	.4798
127	FOOT BREADTH	.2496	.2419	.1451	.2188	.1864	.1742	.1583	.0433	.4215	.4672
128	BALL-OF-FOOT CIRC	.2747	.2669	.1914	.2816	.2593	.2507	.2541	.0966	.4379	.5583
129	INSTEP CIRCUMF"NCE	.2709	.2708	.1903	.2895	.2693	.2543	.2586	.1127	.4578	.6167
130	HEEL CIRCUMFERENCE	.3077	.3093	.2205	.3247	.2879	.2783	.2731	.1260	.6211	.6812
131	BI-MALLEOLAR BRDTH	.2252	.2301	.1619	.2709	.2511	.2415	.2574	.1105	.4641	.4947
132	LAT"L MALLEOLUS HT	.1485	.1508	.1218	.1702	.1624	.1535	.1515	.0727	.4374	.3503
133	MED"L MALLEOLUS HT	.1485	.1566	.0975	.1656	.1370	.1190	.1244	.0458	.4129	.3481
134	HAND LENGTH	.2553	.2513	.1767	.2738	.2374	.2267	.2079	.0950	.6353	.4282
135	PALM LENGTH	.2003	.2010	.1366	.2288	.1984	.1850	.1715	.0784	.5269	.3666

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TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

		181	182	183	184	185	186	187	188	189	190
136	HAND BR/METACARPLE	.2135	.2066	.1229	.1945	.1542	.1420	.1597	.0321	.3907	.4704
137	HAND BRTH AT THUMB	.2340	.2357	.1603	.2554	.2200	.2114	.2228	.0856	.4299	.4786
138	HAND C/METACARPALE	.2274	.2227	.1554	.2431	.2097	.2073	.2335	.0766	.4023	.5207
139	HAND C ROUND THUMB	.2760	.2728	.2049	.2942	.2624	.2582	.2793	.1094	.4233	.5989
140	HAND THICK/META-3	.0940	.0896	.0617	.0861	.0539	.0582	.0825	-.0149	.1799	.2688
141	HEAD CIRCUMFERENCE	.7567	.7442	.6269	.6116	.5639	.5238	.4450	.4177	.2829	.4110
142	SAGITTAL ARC/INION	.4733	.4459	.3236	.2994	.2699	.2388	.1716	.2548	.1426	.1336
143	MINIMUM FRONTL ARC	.2955	.2694	.1758	.2178	.1936	.1865	.1653	.0770	.0772	.1898
144	BITRAGION-CORONAL	.2763	.2408	.1566	.1117	.0763	.0656	.0310	-.0394	.2524	.3022
145	BITRAGN-MIN FRNTAL	.4809	.4478	.2956	.3142	.2578	.2329	.1921	-.0432	.2521	.3674
146	BITRAG"N-SUBNASALE	.3594	.3894	.2961	.4458	.4486	.4431	.4110	.0016	.2303	.4598
147	BITRAGION-MENTON	.3594	.3631	.3031	.4222	.4270	.4578	.5313	.0978	.3043	.5326
148	BIT-SUBMANDIBULAR	.2333	.2352	.2357	.3183	.3273	.3536	.4019	.1266	.2689	.5172
149	BITRAG"N-POSTERIOR	.3883	.3799	.3833	.3736	.3557	.3428	.2954	.3814	.1735	.2985
150	HEAD LENGTH	.9286	.9063	.7507	.7354	.6830	.6269	.4889	.5310	.2354	.2701
151	HEAD DIAGNL/MENTON	.5757	.5594	.4545	.4893	.4623	.4599	.4270	.3202	.3613	.3925
152	HD DIAG/INION-NOSE	.5408	.5603	.4892	.5764	.5217	.4705	.3829	.3321	.1920	.1801
153	EAR BREADTH	.1028	.1123	.0887	.1878	.1592	.1579	.1733	.0726	.1579	.1801
154	EAR LENGTH	.1449	.1494	.1372	.2276	.1902	.1801	.1946	.0685	.2040	.2793
155	EAR L ABVE TRAGION	.1279	.1330	.0915	.1561	.1262	.1094	.1008	.0568	.1204	.0950
156	HEAD BREADTH	.0684	.0535	.0403	.0356	.0083	.0057	.0647	-.0154	.1304	.2925
157	MAXIMUM FRONTAL BR	.1576	.1390	.0709	.1138	.0890	.0933	.1070	-.0701	.1956	.2963
158	BITRAGION BREADTH	.1090	.0986	.1091	.1733	.1543	.1593	.2297	-.0210	.1892	.3875
159	BIZYGOMATIC BR"DTH	.1303	.1146	.0892	.1307	.1034	.1106	.1722	-.0512	.1868	.4449
160	BIGONIAL BREADTH	.1327	.1204	.1085	.1131	.0908	.0930	.1322	-.0256	.0999	.4023
161	EAR-TO-EAR BREADTH	.0828	.0792	.0785	.1080	.0736	.0503	.1057	-.0463	.2054	.2663
162	BIOCULAR BREADTH	.1691	.1529	.0552	.1091	.0898	.0935	.0581	-.0388	.1201	.1870
163	INTERPUPILLARY BRD	.1941	.1808	.0949	.1356	.1165	.1171	.0957	-.0250	.1350	.1897
164	INTEROCULAR BR"DTH	.1828	.1756	.0883	.1397	.1340	.1413	.1207	-.0214	.1046	.1626
165	NOSE BREADTH	.1830	.1661	.1592	.1954	.2047	.2625	.2659	.0835	.0445	.1825
166	LIP LENGTH	.1833	.1804	.1481	.2230	.2126	.2378	.2539	.0380	.0803	.1735
167	EAR PROTRUSION	.0067	.0007	.0126	.0248	.0190	.0149	.0336	.0085	.0844	.1102
168	SUBNASALE-NASAL RT	.0967	.1615	.1290	.2967	.2040	.1199	.0757	.1007	.1812	.1296
169	PHILTRUM LENGTH	.1116	.1047	.1318	.0926	.1102	.1108	.0389	.0741	.0234	.1167
170	LIP-TO-LIP LENGTH	.0462	.0307	.0164	-.0055	.0286	.0330	-.1239	-.0307	.0519	-.0587
171	MENTON-SUBNASALE L	.2260	.2148	.1931	.1707	.1687	.1769	.0282	.1402	.1556	.1668
172	MENTON-NASAL ROOT	.2661	.2954	.2422	.3055	.2385	.2041	.0846	.1696	.2523	.2364
173	GLABELLA-TO-VERTEX	.1776	.0926	-.0900	-.2499	-.3189	-.3639	-.4561	-.1577	.0909	.0233
174	NASAL ROOT-TO-VRTX	.2290	.1287	-.0556	-.2317	-.2979	-.3420	-.4399	-.1575	.1610	.0777
175	XTRNL CANTHUS-VRTX	.2413	.1640	-.0252	-.1506	-.2238	-.2700	-.3600	-.1240	.1663	.1116
176	PRONASALE-TO-VRTX	.2442	.1618	-.0478	-.1850	-.2998	-.3669	-.4702	-.1581	.1694	.0699
177	SUBNASALE-TO-VRTX	.2684	.1887	-.0177	-.1467	-.2593	-.3325	-.4479	-.1425	.2065	.1024
178	STOMION-TO-VERTEX	.2992	.2218	-.0256	-.1013	-.2039	-.2711	-.4334	-.1084	.2171	.1200
179	MENTON-TO-VERTEX	.3525	.2837	.1046	-.0049	-.0968	-.1507	-.3049	-.0297	.2583	.1830
180	TRAGION-TO-VERTEX	.2716	.2294	.0973	.0308	-.0154	-.0496	-.1206	.0069	.1846	.1706

TABLE V (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1967

	181	182	183	184	185	186	187	188	189	190
181 GLABELLA-TO-WALL		.9622	.7834	.7565	.7061	.6482	.4965	.5704	.2571	.2864
182 NASAL ROOT-TO-WALL	.9522		.7998	.8212	.7690	.7082	.5563	.5941	.2541	.2827
183 XTRNL CANTHUS-WALL	.7834	.7998		.7747	.7637	.7317	.6094	.7990	.1608	.2224
184 PRONASALE-TO-WALL	.7565	.8212	.7747		.9421	.8904	.7709	.6321	.2372	.3028
185 SUBNASALE-TO-WALL	.7061	.7690	.7637	.9421		.9561	.8368	.6503	.1976	.2818
186 LIP PROMIN"CE-WALL	.6482	.7082	.7317	.8904	.9561		.8805	.6355	.1787	.2882
187 CHIN PROMINCE-WALL	.4965	.5563	.6094	.7709	.8368	.8805		.5535	.1746	.3209
188 TRAGION-TO-WALL	.5704	.5941	.7990	.6321	.6503	.6355	.5535		.0791	.1312
189 GUESSED HEIGHT	.2571	.2541	.1608	.2372	.1976	.1787	.1746	.0791		.5733
190 GUESSED WEIGHT	.2864	.2827	.2224	.3028	.2818	.2882	.3209	.1312	.5733	

Section VI

THE CORRELATIONS--USAF FLYING PERSONNEL--1950

The U. S. Air Force's survey of flying personnel made during the spring and summer of 1950 was the first major anthropometric survey conducted by the USAF and represented in many ways a pioneering effort. One hundred and thirty-two measurements were made on a sample of 4063 men, all on active flying status.

This survey was organized and conducted by H.T.E. Hertzberg and Gilbert Daniels of the Aero Medical Laboratory, Wright-Patterson Air Force Base, Ohio, and reported on in Anthropometry of Flying Personnel-1950 (Hertzberg et al. 1954). The survey was conducted at 14 bases in Massachusetts, Michigan, Colorado, Washington, California, Texas, and Louisiana. The measuring team consisted of Antioch College students trained by Hertzberg and Daniels. The original statistical analyses were the initial activity of the Anthropology Research Project at Antioch College. The data anlayses reported in the survey report were done prior to the availability of modern computer facilities. The data have since been "modernized" and the correlation coefficients and summary statistics included in this report were computed from the revised data. While almost all measurements had been made to the nearest millimeter, most of the millimeter figures were not included in the original punching of the data cards. Modernization of the data consisted of adding the millimeter figures, reducing the sample from 4063 to 4000 by eliminating subjects with missing data, eliminating menton-crinion length, bitragion-crinion arc, substernale height, penale height, and first phalanx length--digit III, and subjecting the data to a thorough editing.

The sample consisted of 99% Whites and 1% Blacks. Sixty-one percent were officers (10% second lieutenants, 30% first lieutenants, 17% captains, 3% majors, 1% lieutenant colonels and colonels), 15% were aviation cadets, and 24% were enlisted men (2% privates and corporals, 3% sergeants, 11% staff sergeants, 8% technical and master sergeants). Forty-seven percent were pilots or student pilots, 11% were bombardiers, 25% were navigators, 3% were observers, 13% flight engineers, 7% gunners, 3% were radio operators.* Mean ages for these groups were, respectively, 27.2, 30.4, 27.8, 30.7, 30.2, 26.7, and 26.4 years.

Five percent of the subjects were born in New England, 16% in the mid-Atlantic states, 11% in the south-Atlantic states, 18% in east-north-central states, 7% in east-south-central states, 14% in west- north-central

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* A substantial number of subjects had more than a single rating; this is particularly true of the bombardiers, most of whom were also included among the navigators.

states, 15% in west-south-central states, 5% in the mountain states, 7% in the Pacific states, and 2% were foreign born. Three percent had less than a high school education; 5% had special training; 8%, 15%, 8% and 16% had one, two, three, or four years of college; and 1% had professional training. Twenty-eight percent were single, 69% married, and 3% divorced or separated.

Correlations for age and the 127 measurements for which complete data are available are given in Table VI. (Missing variable numbers 10, 13, 88, 109 and 127 represent variables eliminated in modernization of the data.)

TABLE VI

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
1	HEIGHT (STATURE)		.4781	.4751	.4781	.4743	.4981	.5081	.5215	.4486	.5204	.3894	.4746	.3087	.3790	.4615
2	HEIGHT	.4781		.9840	.9861	.9915	.9773	.9627	.9789	.9535	.9239	.9039	.8531	.8593	.8799	.8175
3	NASAL ROOT HEIGHT	.4751	.9840		.9986	.9853	.9658	.9564	.9729	.9493	.9186	.8963	.8447	.8633	.8751	.8115
4	EYE HEIGHT	.4781	.9861	.9986		.9878	.9683	.9584	.9747	.9584	.9203	.8981	.8450	.8644	.8770	.8129
5	TRAGION HEIGHT	.4743	.9915	.9853	.9878		.9745	.9637	.9778	.9546	.9242	.9034	.8510	.8631	.8792	.8175
6	CERVICALE HEIGHT	.4981	.9773	.9658	.9683	.9745		.9681	.9746	.9498	.9251	.9124	.8485	.8657	.8957	.8170
7	SHOULDER HEIGHT	.5081	.9627	.9564	.9584	.9637	.9681		.9672	.9572	.9625	.9039	.8521	.8615	.8874	.8377
8	SUPRASTERNALE HT	.5215	.9789	.9729	.9747	.9778	.9746	.9672		.9665	.9319	.9097	.8628	.8621	.8938	.8257
9	NIPPLE HEIGHT	.4486	.9535	.9493	.9584	.9546	.9498	.9572	.9665		.9244	.9014	.8546	.8628	.8932	.8242
11	ELBOW HEIGHT	.5204	.9239	.9186	.9203	.9242	.9251	.9625	.9319	.9244		.8589	.9477	.7955	.8229	.9244
12	WAIST HEIGHT	.3894	.9039	.8963	.8981	.9034	.9124	.9039	.9097	.9014	.8589		.7801	.8605	.8909	.7429
14	WRIST HEIGHT	.4746	.8531	.8447	.8450	.8510	.8485	.8521	.8628	.8546	.9477	.7801		.6822	.7160	.9668
15	CROTCH HEIGHT	.3087	.8593	.8633	.8644	.8631	.8657	.8615	.8621	.8628	.7955	.8605	.6822		.9283	.6825
16	GLUTEAL FURROW HT	.3790	.8799	.8751	.8770	.8792	.8957	.8874	.8938	.8932	.8229	.8909	.7160	.9283		.6825
17	KNUCKLE HEIGHT	.4615	.8175	.8115	.8129	.8175	.8170	.8377	.8257	.8242	.9244	.7429	.9668	.6825	.6825	
18	KNEECAP HEIGHT	.4179	.8323	.8252	.8278	.8288	.8176	.8491	.8452	.8491	.7072	.8206	.7107	.7940	.8468	.6710
19	SITTING HEIGHT	.4106	.7674	.7514	.7537	.7584	.7111	.6988	.7175	.6809	.6671	.5845	.6907	.4660	.4711	.6300
20	EYE HT/SITTING	.3957	.7101	.7328	.7317	.7123	.6588	.6558	.6739	.6449	.7079	.5429	.6522	.4447	.4392	.6804
21	SHOULDER HT/SITT"G	.4197	.6452	.6445	.6458	.6478	.6316	.6936	.6338	.6271	.7079	.5268	.6914	.4202	.4275	.6804
22	WAIST HT/SITTING	.0872	.2710	.2761	.2771	.2736	.2594	.2631	.2565	.2562	.2806	.4368	.2847	.1304	-.0357	.2829
23	ELBOW REST HT/SIT	.2094	.1936	.2019	.2030	.2058	.1766	.2454	.1850	.1911	.2806	.0830	.4038	-.0174	-.1200	.4331
24	THIGH CLEARANCE HT	.7249	.1914	.1889	.1880	.1796	.2058	.2126	.2306	.1850	.2533	.1422	.2732	.0706	.1242	.2263
25	KNEE HT/SITTING	.5336	.8829	.8780	.8795	.8790	.8945	.8863	.8978	.8813	.8322	.8650	.7309	.8821	.9146	.6921
26	POPLITEAL HT/SIT	.3266	.8163	.8185	.8183	.8157	.8189	.8122	.8203	.8267	.7536	.8112	.6555	.8898	.8754	.6105
27	BUTTOCK-KNEE LNGTH	.5945	.8236	.8158	.8178	.8219	.8427	.8376	.8452	.8204	.7897	.8119	.7079	.8036	.8468	.6757
28	BUTTOCK-LEG LENGTH	.4698	.8314	.8201	.8227	.8281	.8281	.8384	.8451	.8246	.7863	.8206	.7107	.7940	.8486	.6757
29	SHOULDER-ELBOW LTH	.3544	.7510	.7450	.7471	.7523	.7607	.7635	.7494	.7328	.7392	.7392	.5005	.7375	.7561	.4514
30	FOREARM-HAND LNGTH	.4260	.7996	.7905	.7928	.7974	.8032	.7924	.7986	.7779	.7206	.7699	.5778	.7653	.7867	.5184
31	SPAN	.4419	.8391	.8321	.8344	.8397	.8367	.8182	.8358	.8111	.7137	.8068	.5735	.8058	.8190	.5125
32	ARM REACH FR. WALL	.4158	.6821	.6775	.6799	.6836	.6876	.6683	.6848	.6557	.5841	.6563	.4734	.6465	.6723	.4264
33	MAXIMUM REACH/WALL	.4129	.6925	.6879	.6897	.6996	.6996	.6683	.6932	.6653	.6133	.6812	.4907	.6705	.6806	.4358
34	FUNCTIONAL REACH	.3990	.6468	.6404	.6425	.6463	.6558	.6323	.6505	.6216	.5488	.6241	.4435	.6039	.6350	.4009
35	ELBOW-ELBOW BRDTH	.8148	.1607	.1632	.1649	.1601	.1853	.2132	.2076	.1411	.2500	.1007	.2368	.0452	.1056	.2357
36	HIP BREADTH/SIT"NG	.8436	.3326	.3283	.3306	.3254	.3578	.3679	.3718	.3061	.3893	.2866	.3622	.1631	.2321	.3540
37	KNEE-KNEE BRTH/SIT	.7518	.3383	.3295	.3313	.3282	.3509	.3541	.3658	.3074	.3764	.2693	.3548	.1684	.2260	.3441
38	BIACROMIAL DIAM"R	.4747	.4337	.4409	.4418	.4351	.4256	.4303	.4490	.3945	.3379	.3709	.2715	.3781	.3641	.2523
39	SHOULDER BREADTH	.8049	.3216	.3213	.3236	.3206	.3334	.3314	.3490	.2868	.3316	.2471	.2928	.1840	.2367	.2804
40	CHEST BREADTH	.7743	.2702	.2716	.2729	.2677	.2844	.3068	.3045	.2474	.3217	.2039	.2848	.1542	.2136	.2808
41	WAIST BREADTH	.8081	.2330	.2234	.2257	.2281	.2717	.2749	.2805	.2084	.2757	.1857	.2436	.1081	.2257	.2309
42	HIP BREADTH	.7938	.4606	.4604	.4624	.4582	.4800	.4810	.4903	.4255	.4084	.4359	.1994	.3215	.3605	.4169
43	CHEST DEPTH	.7607	.1687	.1781	.1799	.1526	.1873	.1946	.2044	.1791	.2317	.1346	.1848	.0751	.1581	.1963
44	WAIST DEPTH	.7715	.1520	.1482	.1512	.1617	.1399	.2176	.2044	.1408	.2074	.0965	.1848	.0247	.1272	.1792
45	BUTTOCK DEPTH	.8185	.1681	.1583	.1613	.2200	.2446	.2114	.2200	.1504	.2472	.1287	.2401	-.0052	.1051	.2361
46	NECK CIRCUMFERENCE	.7014	.2295	.2228	.2241	.2180	.2446	.2377	.2536	.1887	.2529	.1613	.2360	.0729	.1485	.2327
47	SHOULDER CIRCUM"CE	.8435	.2778	.2775	.2798	.2755	.2974	.3023	.3231	.2640	.3132	.2162	.2754	.1387	.2158	.2687

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
48 CHEST CIRCUMF"ENCE	.8584	.2685	.2761	.2777	.2722	.2875	.3114	.3146	.2506	.3273	.2046	.2854	.1663	.2213	.2776
49 WAIST CIRCUMF"ENCE	.8525	.2001	.2030	.2030	.2000	.2369	.2483	.2540	.1821	.2612	.1339	.2292	.0927	.1802	.2233
50 BUTTOCK CIRCUMF"CE	.9276	.3555	.3523	.3549	.3513	.3796	.3887	.3992	.3270	.4113	.2870	.3796	.1869	.2550	.3717
51 THIGH CIRCUMF"ENCE	.8608	.2110	.2130	.2130	.2087	.2357	.2503	.2576	.1943	.2827	.1532	.2631	.0758	.1296	.2604
52 LOWER THIGH CIRC.	.7094	.2045	.1984	.2000	.1948	.2212	.2243	.2388	.1842	.2491	.1462	.2333	.0662	.1278	.2338
53 CALF CIRCUMFERENCE	.7676	.2440	.2416	.2441	.2375	.2532	.2607	.2741	.2221	.2827	.1646	.2581	.1202	.1583	.2535
54 ANKLE CIRCUMFERENCE	.6617	.3001	.2949	.2971	.2905	.3057	.2925	.2978	.2681	.3296	.2269	.3091	.1623	.2022	.3027
55 SCYE CIRCUMFERENCE	.5912	.2690	.2672	.2674	.2685	.2748	.2925	.2978	.2431	.2926	.2174	.2737	.1542	.2082	.2587
56 AXILLARY ARM CIRC.	.8077	.1342	.1403	.1421	.1373	.1568	.1685	.1867	.1195	.2015	.0836	.1801	.0160	.0800	.1779
57 BICEPS CIRC-FLEXED	.8040	.1188	.1233	.1255	.1193	.1363	.1518	.1681	.0983	.1919	.0553	.1781	-.0111	.0517	.1785
58 ELBOW CIRC-FLEXED	.6452	.2954	.2970	.2985	.2971	.3017	.3104	.3240	.2760	.3252	.2352	.2906	.1933	.2194	.2752
59 LOWER ARM C-FLEXED	.7649	.2194	.2286	.2304	.2287	.2225	.2404	.2563	.1978	.2665	.1382	.2326	.1241	.1378	.2296
60 WRIST CIRCUMF"ENCE	.6550	.3067	.3020	.3029	.3030	.3085	.3103	.3268	.2696	.3181	.2222	.2832	.1494	.1887	.2684
61 SLEEVE INSEAM	.1905	.6459	.6405	.6416	.6479	.6464	.6278	.6392	.6378	.6226	.6412	.4100	.6629	.6659	.3654
62 SLEEVE LENGTH	.5049	.7260	.7208	.7232	.7267	.7288	.7139	.7308	.6986	.5303	.6924	.5037	.6828	.7057	.4618
63 ANTERIOR NECK LGTH	-.2151	.2669	.2861	.2832	.2713	.2097	.2035	.1716	.1898	.1791	.2046	.1711	.2036	.1632	.1584
64 POSTERIOR NECK LTH	-.0356	-.2203	.1938	.1960	.2195	.1097	.1495	.1749	.1697	.1509	.1374	.1478	.1273	.1198	.1243
65 SHOULDER LENGTH	-.1566	.3760	.3663	.3698	.3789	.3613	.2868	.3484	.3294	.2437	.3242	.1854	.3338	.3100	.1732
66 WAIST BACK	.3769	.6070	.5835	.5853	.6013	.6449	.5808	.5839	.5396	.5632	.3792	.5433	.4076	.4424	.5298
67 WAIST FRONT	.5616	.4321	.4295	.4305	.4297	.4257	.4296	.4761	.4349	.4536	.1973	.4458	.2430	.3069	.4424
68 GLUTEAL ARC	.3555	.3170	.3216	.3230	.3172	.3187	.3236	.3224	.2956	.3466	.4041	.3366	.1744	.1324	.3306
69 CROTCH LENGTH	.6274	.2803	.2714	.2743	.2752	.2962	.2999	.3050	.2476	.3344	.3549	.3396	.0492	.1162	.3350
70 VERTICAL TRUNK C.	.8124	.5642	.5620	.5646	.5640	.5760	.5980	.5886	.5287	.6355	.4409	.6267	.2985	.3489	.6169
71 INTERSCYE	.4950	.2066	.2077	.2079	.2062	.2142	.2265	.2176	.1795	.2602	.1449	.2639	.0852	.1236	.2700
72 INTERSCYE-MAXIMUM	.5614	.3175	.3150	.3158	.3164	.3235	.3207	.3313	.2856	.3248	.2539	.3016	.1784	.2332	.2946
73 BUTTOCK CIRC/SIT.	.8877	.3101	.3112	.3140	.3072	.3387	.3493	.3591	.2910	.3681	.2627	.3365	.1631	.2308	.3308
74 KNEE CIRC/SITTING	.8210	.4947	.4951	.4971	.4903	.5131	.5192	.5335	.4784	.5228	.4310	.4734	.3907	.4261	.4579
75 FOOT LENGTH	.4549	.7103	.7009	.7029	.7043	.7064	.6870	.7019	.6740	.6479	.6516	.5698	.6367	.6426	.5243
76 INSTEP LENGTH	.4195	.6654	.6546	.6568	.6603	.6582	.6458	.6547	.6308	.6035	.5960	.5319	.5956	.5973	.4961
77 FOOT BREADTH	.4781	.4248	.4168	.4172	.4156	.4151	.4145	.4230	.3859	.4040	.3599	.3643	.3034	.3170	.3427
78 HEEL BREADTH	.5332	.3162	.3100	.3120	.3102	.3153	.3205	.3283	.2806	.3090	.2557	.2529	.2403	.2388	.2343
79 BI-MALLEOLAR BR"TH	.4639	.4981	.4971	.4980	.4981	.4891	.4783	.4995	.4542	.4711	.4312	.4212	.3534	.3763	.3976
80 MED"L MALLEOLUS HT	.3532	.4615	.4550	.4554	.4575	.4540	.4536	.4549	.4346	.4531	.4062	.4401	.3534	.3745	.4055
81 LAT"L MALLEOLUS HT	.2766	.4319	.4222	.4220	.268	.4364	.4340	.4362	.4203	.4297	.4209	.4334	.3540	.4077	.4000
82 BALL OF FOOT CIRC.	.5452	.4159	.4092	.4111	.4101	.4142	.4116	.4262	.3841	.4087	.3508	.3705	.2998	.3187	.3551
83 HAND LENGTH	.3816	.6578	.6535	.6548	.6552	.6549	.6413	.6529	.6311	.5973	.6105	.4977	.5991	.6154	.4408
84 PALM LENGTH	.3387	.5680	.5600	.5646	.5646	.5700	.5653	.5653	.5421	.5186	.5296	.4407	.4992	.5306	.3886
85 HAND BREADTH/THUMB	.4027	.4033	.3916	.3934	.3957	.3975	.3944	.4029	.3710	.3778	.3469	.3185	.2899	.3218	.2935
86 HAND B/METACARPALE	.4333	.4114	.4092	.4103	.4082	.4036	.4057	.4111	.3770	.3888	.3506	.3178	.3263	.3189	.2954
87 THICKNESS-META III	.3852	.2677	.2610	.2637	.2686	.2701	.2756	.2765	.2530	.2721	.2327	.2311	.1834	.2026	.2268
89 FINGER DIAMETER	.4545	.2956	.2893	.2897	.2931	.2906	.2930	.3034	.2517	.2802	.2220	.2441	.1692	.1890	.2191
90 GRIP DIAM"R INSIDE	.1670	.4833	.4856	.4868	.4811	.4680	.4570	.4672	.4650	.4115	.4508	.3309	.4846	.4698	.2895
91 GRIP DIAM. OUTSIDE	.3043	.5154	.5101	.5120	.5127	.4984	.4882	.5033	.4841	.4488	.4591	.3660	.4660	.4564	.3259
92 FIST CIRCUMFERENCE	.5030	.3869	.3838	.3853	.3848	.3774	.3743	.3965	.3538	.3610	.3201	.3009	.2835	.2944	.2794
93 HEAD LENGTH	.2756	.2593	.2344	.2380	.2370	.2370	.2356	.2376	.2189	.2321	.1920	.2169	.1852	.1874	.2123

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

#		1	2	3	4	5	6	7	8	9	11	12	14	15	16	17
94	HEAD BREADTH	.3211	.1140	.1092	.1093	.0910	.1107	.1119	.1226	.0942	.1160	.0806	.1052	.0597	.0677	.1005
95	MIN FRONTAL DIAM"R	.3778	.1700	.1833	.1825	.1624	.1723	.1767	.1836	.1658	.1788	.1181	.1494	.1666	.1414	.1473
96	MAX FRONTAL DIAM"R	.3963	.1776	.1927	.1928	.1749	.1782	.1858	.1917	.1729	.1888	.1277	.1581	.1737	.1423	.1545
97	BIZYGOMATIC DIAM"R	.4953	.2216	.2289	.2295	.2136	.2296	.2377	.2405	.2128	.2360	.1778	.2097	.1493	.1646	.2043
98	BIGONIAL DIAMETER	.3659	.2021	.2079	.2087	.2012	.1991	.2099	.2012	.1840	.2025	.1634	.1782	.1419	.1611	.1703
99	BITRAGION DIAMETER	.4070	.2329	.2371	.2378	.2292	.2443	.2410	.2479	.2259	.2364	.1946	.2166	.1611	.1805	.2098
100	INTEROCULAR DIAM"R	.1387	.0662	.0644	.0668	.0527	.0633	.0555	.0662	.0601	.0655	.0468	.0594	.0271	.0375	.0605
101	BIOCULAR DIAMETER	.2429	.1628	.1481	.1497	.1437	.1640	.1484	.1642	.1397	.1405	.1407	.1438	.0420	.1080	.1362
102	INTERPUPILLARY DIS	.2085	.1765	.1659	.1682	.1602	.1774	.1749	.1761	.1614	.1675	.1518	.1613	.0932	.1335	.1499
103	NOSE LENGTH	.1034	.2129	.2314	.2245	.2159	.1954	.1936	.1960	.1926	.1778	.1753	.1566	.1942	.1533	.1363
104	NOSE BREADTH	.2129	.0787	.0678	.0699	.0693	.0788	.0804	.0898	.0544	.0787	.0511	.0704	.0061	.0412	.0688
105	NASAL ROOT BREADTH	.1425	.0338	.0239	.0232	.0176	.0412	.0230	.0385	.0199	.0328	.0216	.0569	-.0660	.0029	.0651
106	NOSE PROTRUSION	.1223	.2300	.2393	.2365	.2312	.2297	.2205	.2213	.2194	.2011	.1951	.1617	.2598	.1993	.1537
107	PHILTRUM LENGTH	.1055	.0992	.0980	.0968	.0866	.0918	.0909	.0875	.0716	.0921	.0745	.0869	.0418	.0663	.0783
108	MENTON-SUBNASALE	.1532	.1803	.1872	.1850	.1650	.1661	.1661	.1635	.1493	.1629	.1318	.1420	.1309	.1364	.1344
110	LIP-LIP DISTANCE	-.0407	.0823	.0797	.0787	.0734	.0709	.0534	.0675	.0831	.0580	.0799	.0449	.1129	.0934	.0415
111	LIP LENGTH	.2426	.1123	.1119	.1132	.1166	.1143	.1226	.1210	.0912	.1210	.0839	.1145	.0584	.0670	.1047
112	EAR LENGTH	.3346	.2648	.2585	.2599	.2674	.2619	.2664	.2620	.2337	.2677	.2093	.2542	.1595	.1793	.2401
113	EAR BREADTH	.1697	.1603	.1677	.1664	.1646	.1618	.1563	.1647	.1527	.1444	.1364	.1308	.1268	.1247	.1183
114	EAR LTH ABOVE TRAG	.1829	.1415	.1334	.1349	.1499	.1412	.1528	.1392	.1346	.1556	.1258	.1497	.0899	.1002	.1335
115	EAR PROTRUSION	.0517	.0950	.0845	.0856	.0870	.0983	.0924	.0926	.0838	.0854	.0882	.0735	.0609	.0696	.0609
116	HEAD HEIGHT	.2261	.2070	.1788	.1775	.1545	.1777	.1753	.1806	.1523	.1845	.1453	.1834	.1210	.1398	.1738
117	MENTON PROJECTION	.1804	.0926	.1009	.1011	.0910	.1052	.0995	.1023	.0973	.0946	.0632	.0875	.0854	.0787	.0952
118	EXT"L CANTHUS-WALL	.2089	.1909	.1768	.1772	.1749	.1830	.1816	.1736	.1622	.1799	.1523	.1683	.1485	.1574	.1629
119	NASAL ROOT TO WALL	.2500	.2683	.2410	.2426	.2469	.2510	.2483	.2522	.2285	.2542	.2145	.2440	.1910	.2045	.2316
120	TRAGION TO WALL	.1548	.1112	.1092	.1095	.0984	.1138	.1150	.0967	.0777	.1195	.0834	.1179	.0942	.1035	.1122
121	LARYNX TO WALL	.3354	.2389	.2464	.2474	.2340	.2705	.2610	.2300	.1852	.2381	.2190	.2098	.1855	.2229	.1933
122	HEAD CIRCUMFERENCE	.4855	.2792	.2630	.2648	.2517	.2704	.2734	.2804	.2470	.2684	.2162	.2474	.1754	.2067	.2392
123	SAGITTAL ARC	.1886	.2396	.2079	.2108	.2085	.1970	.1954	.2059	.1924	.1951	.1614	.1714	.2056	.1658	.1718
124	BITRAG-CORONAL ARC	.2717	.2467	.2064	.2072	.1878	.2111	.1979	.2120	.1798	.1977	.1683	.1983	.1194	.1430	.1931
125	MINIMUM FR"TAL ARC	.1820	.1017	.0918	.0929	.0901	.1103	.1003	.1068	.0979	.0988	.0741	.0937	.0542	.0750	.1062
126	BIT-MIN-FR"TAL ARC	.4097	.2628	.2570	.2586	.2378	.2552	.2556	.2623	.2365	.2495	.2084	.2325	.1708	.1915	.2203
128	BITRAG-MENTON ARC	.5674	.3221	.3095	.3127	.3245	.3177	.3264	.3354	.2959	.3198	.2531	.2868	.2128	.2449	.2766
129	BIT-SUBMANDIBULAR	.5357	.2661	.2436	.2531	.2728	.2626	.2808	.2812	.2465	.2855	.1950	.2640	.1438	.1864	.2549
130	BIT-SUBNASALE ARC	.5433	.2575	.2419	.2437	.2506	.2646	.2625	.2706	.2246	.2702	.1981	.2611	.1432	.1918	.2487
131	POSTERIOR ARC	.2527	.2594	.2437	.2462	.2550	.2628	.2625	.2625	.2246	.2702	.1981	.2611	.1039	.1762	.2480
132	BITRAG-INION ARC	.1646	.1646	.1429	.1435	.1429	.1618	.1464	.1578	.1294	.1464	.1374	.1578	.0132	.1099	.1477
133	AGE	.1792	-.0251	-.0063	-.0067	-.0114	-.0191	-.0075	-.0073	-.0535	.0009	-.0518	.0095	-.0720	-.0626	.0093

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

#		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	HEIGHT	.4179	.4106	.3957	.4197	.0872	.2094	.7249	.5336	.3266	.5945	.4698	.3644	.4260	.4419	.4158
2	HEIGHT (STATURE)	.8323	.7674	.7101	.6452	.2710	.1936	.1914	.8829	.8163	.8236	.8314	.7510	.7996	.8391	.6821
3	NASAL ROOT HEIGHT	.8252	.7514	.7328	.6445	.2761	.2019	.1889	.8780	.8185	.8158	.8201	.7450	.7905	.8321	.6775
4	EYE HEIGHT	.8278	.7537	.7317	.6458	.2771	.2030	.1880	.8795	.8183	.8178	.8227	.7471	.7928	.8344	.6799
5	TRAGION HEIGHT	.8288	.7584	.7123	.6478	.2594	.1972	.1796	.8790	.8157	.8219	.8281	.7523	.7974	.8397	.6836
6	CERVICALE HEIGHT	.8476	.7111	.6588	.6316	.2596	.1766	.2058	.8945	.8189	.8427	.8471	.7607	.8032	.8367	.6836
7	SHOULDER HEIGHT	.8377	.6988	.6558	.6936	.2631	.2454	.2126	.8863	.8122	.8376	.8384	.7635	.7924	.8182	.6683
8	SUPRASTERNALE HT	.8491	.7175	.5739	.6338	.2565	.1850	.2306	.8978	.8203	.8452	.8451	.7494	.7986	.8358	.6848
9	NIPPLE HEIGHT	.8354	.6809	.5449	.6271	.2562	.1911	.1850	.8813	.8267	.8204	.8246	.7328	.7779	.8111	.6557
11	ELBOW HEIGHT	.7904	.7072	.6671	.7079	.2806	.3566	.2533	.8322	.7536	.7897	.7863	.6181	.7206	.7137	.5841
12	WAIST HEIGHT	.8360	.5845	.5429	.5268	.4368	.0830	.1422	.8650	.8111	.8119	.8206	.7392	.7578	.8068	.6563
14	WRIST HEIGHT	.6980	.6907	.6522	.6914	.2847	.4038	.2732	.7309	.6555	.7079	.7107	.5005	.5778	.5735	.4734
15	CROTCH HEIGHT	.8294	.4660	.4447	.4202	.1304	-.0174	.0706	.8821	.8898	.8036	.7940	.7375	.7653	.8058	.6465
16	GLUTEAL FURROW HT	.8794	.4711	.4392	.4275	.1200	-.0357	.1242	.9146	.8754	.8468	.8486	.7561	.7867	.8190	.6723
17	KNUCKLE HEIGHT	.6710	.6300	.6300	.6804	.2829	.4331	.2263	.6921	.6105	.6757	.6751	.4514	.5184	.5125	.4264
18	KNEECAP HEIGHT		.4591	.4232	.4077	-.1042	-.0248	.1751	.8951	.8223	.7752	.8114	.6983	.7754	.7815	.6530
19	SITTING HEIGHT	.4591		.9189	.8298	.5033	.5835	.1852	.5099	.4489	.4491	.4728	.4590	.5003	.5360	.4099
20	EYE HT/SITTING	.4232	.9189		.8182	.4985	.5919	.1937	.4768	.4271	.4270	.4194	.4282	.4566	.5005	.3882
21	SHOULDER HT/SITT"G	.4077	.8298	.8182		.5210	.7495	.2030	.4619	.4005	.4070	.4194	.4427	.4449	.4533	.3438
22	WAIST HT/SITTING	-.1042	.5033	.4985	.5210		.4845	.0232	.1243	.1197	.0718	.0960	.1412	.1377	.1604	.1010
23	ELBOW REST HT/SIT	-.0248	.5835	.5919	.7495	.4845		.1196	.0064	-.0178	-.0306	-.0225	-.1321	-.0067	-.0613	-.0839
24	THIGH CLEARANCE HT	.1751	.1852	.1937	.2030	.0232	.1196		.2711	.1243	.3441	.2346	-.1207	-.1577	-.1558	.1731
25	KNEE HT/SITTING	.8951	.5099	.4768	.4619	.1243	.0064	.2711		.9022	.8301	.8440	.7399	.8204	.8369	.6939
26	POPLITEAL HT/SIT	.8223	.4489	.4271	.4005	.1197	-.0178	.1243	.9022		.7274	.7517	.6895	.7471	.7828	.6172
27	BUTTOCK-KNEE LENGTH	.7752	.4491	.4270	.4070	.0718	-.0306	.3441	.8301	.7274		.8307	.7085	.7239	.7828	.6470
28	BUTTOCK-LEG LENGTH	.8114	.4728	.4194	.4194	.0960	-.0225	.2346	.8440	.7517	.8307		.7024	.7322	.7560	.6626
29	SHOULDER-ELBOW LTH	.6983	.4590	.4282	.4427	.1412	-.1321	-.1207	.7399	.6895	.7085	.7024		.7468	.8383	.6744
30	FOREARM-HAND LNGTH	.7754	.5003	.4566	.4449	.1377	-.0067	-.1577	.8204	.7471	.7239	.7322	.7468		.8941	.7365
31	SPAN	.7815	.5360	.5005	.4533	.1604	-.0613	-.1558	.8369	.7828	.7828	.7560	.8383	.8941		.7608
32	ARM REACH FR. WALL	.6530	.4099	.3882	.3438	.1010	-.0839	.1731	.6939	.6172	.6470	.6626	.6744	.7365	.7608	
33	MAXIMUM REACH/WALL	.6435	.4511	.4292	.4066	.1759	-.0122	.1633	.6893	.6331	.6470	.6626	.6832	.7263	.7730	.7273
34	FUNCTIONAL REACH	.6210	.3864	.3608	.3173	.0943	-.0939	.1699	.6580	.5790	.6151	.6320	.6449	.6882	.7213	.9387
35	ELBOW-ELBOW BRDTH	.1567	.1345	.1403	.1941	-.0438	-.1314	-.6270	.2478	.0778	.3405	.2058	.1043	.1644	.1676	.1954
36	HIP BREADTH/SIT"NG	.2795	.3203	.3024	.3511	.1407	.2135	.6325	.3832	.1856	.4494	.3353	.2502	.3004	.3006	.2791
37	KNEE-KNEE BRTH/SIT	.2894	.3330	.2957	.3172	.0902	.1794	.5809	.4006	.3872	.4079	.3316	.2432	.3147	.2959	.2755
38	BIACROMIAL DIAM"R	.3506	.3330	.3254	.1964	.0996	-.0296	.2612	.4441	.3872	.4137	.3535	.3556	.4247	.5317	.4137
39	SHOULDER BREADTH	.2868	.2851	.2759	.2684	.0429	.0961	.5658	.3726	.2168	.4312	.3112	.2744	.3276	.3877	.3375
40	CHEST BREADTH	.2626	.2187	.2135	.2583	-.0147	.1224	.5374	.3450	.1932	.4116	.2816	.2252	.2772	.3183	.2799
41	WAIST BREADTH	.2890	.1286	.1172	.1639	-.1006	.0014	.6023	.3421	.1463	.4330	.3255	.2434	.2655	.2718	.2916
42	HIP BREADTH	.3885	.3841	.3665	.3786	.1457	.1523	.5540	.4877	.3182	.5699	.4426	.3824	.4338	.4419	.3933
43	CHEST DEPTH	.2040	.1304	.1512	.1533	-.0710	.0599	.5762	.2389	.0608	.3578	.2547	.1581	.2048	.1703	.2397
44	WAIST DEPTH	.1712	.1079	.1086	.2010	-.0219	.1441	.6764	.2427	.0359	.3609	.2388	.1426	.1536	.1532	.1953
45	BUTTOCK DEPTH	.1820	.1736	.1603	.2138	-.0331	.1034	.5309	.2793	.0359	.3127	.2475	.1514	.1514	.1285	.1811
46	NECK CIRCUMFERENCE	.2173	.2299	.2111	.2165	.0317	.1034	.5309	.2739	.1182	.3127	.2475	.1691	.2455	.2354	.2497
47	SHOULDER CIRCUM"CE	.2770	.2367	.2356	.2515	.0159	.1066	.6216	.3607	.1841	.4072	.3015	.2303	.2962	.3372	.3139

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
48 CHEST CIRCUMF"ENCE	.2592	.2257	.2387	.2701	-.0043	.1353	.6232	.3543	.1935	.4276	.2978	.2262	.2680	.3033	.2944
49 WAIST CIRCUMF"ENCE	.2232	.1322	.1395	.1852	-.0899	.0716	.6466	.3074	.1291	.4024	.2820	.1853	.2086	.2187	.2483
50 BUTTOCK CIRCUMF"CE	.3035	.3218	.3110	.3395	-.0822	.1898	.7357	.4143	.2068	.5050	.3697	.2638	.3132	.3194	.3150
51 THIGH CIRCUMF"ENCE	.1909	.2155	.2543	.2043	-.0397	.1879	.7469	.2911	.0927	.3875	.2462	.1404	.1843	.1880	.2008
52 LOWER THIGH CIRC.	.2012	.2001	.1826	.2458	.0105	.1307	.6065	.2807	.0780	.3252	.2264	.1388	.1904	.1802	.1903
53 CALF CIRCUMFERENCE	.2138	.2395	.2232	.2757	.0186	.1533	.6065	.3281	.1522	.3524	.2388	.1695	.2350	.2330	.2178
54 ANKLE CIRCUMF"ENCE	.2725	.2808	.2612	.2572	-.0593	.1670	.5109	.3718	.1937	.3491	.2835	.2008	.2627	.2598	.2446
55 SCYE CIRCUMFERENCE	.2380	.2418	.2333	.2333	-.0512	.1016	.4317	.2945	.1654	.3241	.2737	.2420	.2527	.2624	.2698
56 AXILLARY ARM CIRC.	.1273	.1569	.1733	.1733	-.0283	.1497	.6460	.2138	.0457	.2989	.1732	.0849	.1455	.1474	.1756
57 BICEPS CIRC-FLEXED	.1148	.1488	.1588	.1869	-.0092	.1492	.6470	.1942	.0118	.2778	.1592	.0607	.1486	.1292	.1727
58 ELBOW CIRC-FLEXED	.2693	.2617	.2588	.2626	-.0569	.1245	.6460	.3413	.1971	.3590	.2917	.2268	.3321	.3107	.3184
59 LOWER ARM C-FLEXED	.1884	.2318	.2394	.2479	-.0333	.1736	.5744	.2916	.1483	.3113	.2047	.1460	.2496	.2336	.2472
60 WRIST CIRCUMF"ENCE	.2556	.3193	.3025	.3096	-.0825	.1612	.4526	.3429	.1749	.3261	.2631	.2486	.3499	.3248	.3134
61 SLEEVE INSEAM	.6079	.3854	.3136	.3136	-.1155	-.0998	.0138	.6385	.6239	.5693	.5660	.6743	.6803	.7284	.5754
62 SLEEVE LENGTH	.6805	.4695	.4381	.4038	-.1262	-.0600	-.2264	.7370	.6523	.7028	.6639	.7451	.7425	.8253	.6718
63 ANTERIOR NECK LGTH	.1293	.2904	.2973	.1566	-.1381	-.0650	-.2267	.1071	.1627	.0673	.1168	.1805	.1604	.1815	.1195
64 POSTERIOR NECK LTH	.1132	.2635	.2102	.1235	-.0466	-.0528	-.0678	.1057	.1195	.0920	.1105	.1088	.1406	.1530	.0958
65 SHOULDER LENGTH	.2916	.3109	.2798	.1241	-.1081	-.0638	.0027	.3322	.3168	.2836	.2864	.2807	.3304	.4618	.2901
66 WAIST BACK	.4410	.5745	.5131	.4981	-.0630	.2281	.1758	.4805	.3991	.4475	.4750	.4264	.4497	.3217	.3925
67 WAIST FRONT	.3282	.4446	.4355	.4072	-.1496	.2590	.3743	.3744	.2516	.3848	.3275	.2563	.3158	.2228	.2670
68 GLUTEAL ARC	.1862	.3953	.3830	.3806	.5964	.3102	.2268	.2183	.1454	.2563	.1773	.1848	.2141	.1850	.1657
69 CROTCH LENGTH	.1853	.3595	.3439	.3761	.5173	.3046	.4909	.2318	.0749	.3019	.2239	.1608	.1847	.1850	.1860
70 VERTICAL TRUNK C.	.3961	.6073	.5837	.6217	.2599	.4371	.5785	.4800	.3126	.5294	.4454	.3530	.4072	.4137	.3741
71 INTERSCYE	.1510	.2376	.2392	.2486	.0649	.1212	.3502	.1843	.0937	.2594	.1867	.0953	.1222	.1420	.1643
72 INTERSCYE-MAXIMUM	.2743	.2985	.2888	.2734	.0724	.1813	.4031	.3175	.2003	.3516	.2873	.2417	.2956	.3271	.3171
73 BUTTOCK CIRC/SIT.	.2680	.2730	.2676	.3072	.0972	.1705	.6901	.3825	.1846	.4587	.3302	.2300	.2769	.2824	.2853
74 KNEE CIRC/SITTING	.4571	.3770	.3606	.3820	.0858	.0739	.6135	.5765	.3693	.5901	.4956	.3789	.4518	.4523	.4084
75 FOOT LENGTH	.6457	.5107	.4643	.4233	.1540	.0693	.2052	.6606	.6325	.6262	.6376	.5737	.7353	.7159	.5811
76 INSTEP LENGTH	.5930	.4821	.4340	.4030	.1207	.1261	.1859	.6335	.5894	.5892	.6137	.5423	.6704	.6483	.5448
77 FOOT BREADTH	.3709	.3650	.3259	.3232	.1240	.1072	.2891	.4363	.3237	.3363	.3670	.3510	.4351	.4261	.3555
78 HEEL BREADTH	.2640	.2784	.2599	.2681	.0638	.1785	.3381	.3601	.2401	.3413	.2978	.2857	.3307	.3420	.2867
79 BI-MALLEOLAR BR"TH	.4065	.4458	.4277	.3931	.2014	.1552	.2456	.4932	.3968	.4281	.3802	.3870	.4759	.4862	.3892
80 MED"L MALLEOLUS HT	.4217	.3889	.3635	.3549	.1614	.0449	.2074	.4695	.3818	.3547	.3718	.3482	.4195	.3983	.3229
81 LAT"L MALLEOLUS HT	.4556	.2847	.2502	.2514	.0964	.1338	.1651	.4527	.3905	.3655	.3948	.3311	.3845	.3661	.3012
82 BALL OF FOOT CIRC.	.3738	.3563	.3231	.3210	.1007	.0471	.3510	.6677	.3188	.4122	.3705	.3322	.4121	.4061	.3427
83 HAND LENGTH	.6263	.4534	.4254	.3895	.1285	.0266	.1387	.5762	.5993	.5550	.5763	.5720	.8043	.7442	.6122
84 PALM LENGTH	.5514	.3879	.3618	.3350	.0966	.0961	.1301	.4048	.4985	.4880	.5100	.4982	.6876	.6358	.5281
85 HAND BREADTH/THUMB	.3573	.3377	.3027	.3034	.0977	.1410	.2133	.4151	.3273	.3604	.3400	.3423	.4810	.4463	.3564
86 HAND B/METACARPALE	.3550	.3662	.3376	.3422	.1407	.0938	.2330	.4805	.3019	.3604	.3319	.3532	.4936	.4570	.3719
87 THICKNESS-META III	.2459	.2396	.2156	.2371	.0904	.1365	.2417	.2805	.1895	.2584	.2335	.2395	.3260	.2969	.2688
88 FINGER DIAMETER	.2449	.3161	.2855	.2974	.1162	.0093	.2812	.2988	.1848	.2595	.2324	.2768	.3710	.3310	.2969
89 GRIP DIAM"R INSIDE	.4393	.3179	.3036	.2512	.0982	.0491	-.0046	.4863	.4811	.3873	.4134	.4100	.5622	.5481	.4294
90 GRIP DIAM. OUTSIDE	.4585	.3840	.3629	.3146	.1137	.1060	.0385	.5153	.4679	.4224	.4385	.4327	.5870	.5732	.4641
91 FIST CIRCUMFERENCE	.3476	.3378	.3214	.3002	.0978	.0884	.2920	.4088	.4579	.3562	.3277	.3228	.4581	.4348	.3753
92 HEAD LENGTH	.2081	.2365	.1917	.1902	.0436	.0436	.1576	.2444	.1992	.2124	.2054	.1824	.2300	.2226	.1847

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
94 HEAD BREADTH	.0957	.1119	.1014	.1017	.0251	.0462	.2394	.1387	.0874	.1368	.1098	.0836	.1055	.1320	.0913
95 MIN FRONTAL DIAM"R	.1291	.1579	.1711	.1676	.0291	.1092	.2804	.2168	.1865	.1990	.1429	.1181	.1466	.1682	.1431
96 MAX FRONTAL DIAM"R	.1274	.1863	.2030	.1967	.0696	.1382	.2989	.2209	.1975	.1960	.1401	.1240	.1507	.1797	.1425
97 BIZYGOMATIC DIAM"R	.1846	.2205	.2261	.2277	.0848	.1175	.3711	.2545	.1769	.2579	.2024	.1961	.2203	.2443	.1958
98 BIGONIAL DIAMETER	.1760	.1949	.1931	.1939	.0568	.0911	.2698	.2198	.1557	.2238	.1889	.1906	.2076	.2162	.1867
99 BITRAGION DIAMETER	.2060	.2048	.2018	.2037	.0665	.0845	.2936	.2561	.1882	.2439	.2136	.1995	.2267	.2438	.1870
100 INTEROCULAR DIAM"R	.0702	.0737	.0630	.0731	.0333	.0483	.1125	.0853	.0518	.0597	.0621	.0586	.0805	.0775	.0638
101 BIOCULAR DIAMETER	.1715	.1282	.0991	.0885	.0199	-.0042	.1835	.1772	.0893	.1632	.1687	.1501	.1844	.1789	.1591
102 INTERPUPILLARY DIS	.1622	.1538	.1264	.1378	.0543	.0459	.1502	.1708	.1127	.1629	.1562	.1534	.1727	.1706	.1382
103 NOSE LENGTH	.1427	.1949	.2080	.1476	.0777	.0476	.0249	.1760	.1829	.1520	.1522	.1626	.1856	.2185	.1613
104 NOSE BREADTH	.0808	.0740	.0563	.0674	-.0058	.0168	.1449	.0970	.0290	.0811	.0851	.0802	.1213	.1005	.0812
105 NASAL ROOT BREADTH	.0685	.0162	.0036	-.0002	-.0265	-.0137	.1102	.0670	-.0282	.0462	.0850	.0048	.0676	.0309	.0717
106 NOSE PROTRUSION	.1528	.1812	.1735	.1664	.0812	.0733	.0398	.2142	.2327	.1893	.1514	.1819	.1961	.2164	.1398
107 PHILTRUM LENGTH	.0935	.1011	.0894	.0747	.0231	.0290	.0704	.0805	.0511	.0760	.0807	.0679	.0817	.0674	.0446
108 MENTON-SUBNASALE	.1471	.1809	.1804	.1347	.0359	.0546	.0946	.1672	.1372	.1325	.1336	.1274	.1469	.1468	.1149
110 LIP-LIP DISTANCE	.0369	.0315	.0190	-.0145	-.0148	-.0440	-.0290	.0956	.1010	.0627	.0812	.0531	.0880	.0735	.0475
111 LIP LENGTH	.1048	.1020	.1017	.1082	.0179	.0408	.1650	.1237	.0660	.1217	.1038	.1211	.1366	.1345	.1173
112 EAR LENGTH	.1979	.2545	.2289	.2277	.0683	.0968	.1988	.2278	.1469	.2449	.2199	.2111	.2325	.2324	.1991
113 EAR BREADTH	.1367	.1246	.1250	.1127	.0223	.0181	.0759	.1661	.1186	.1544	.1490	.1511	.1476	.1575	.1340
114 EAR LTH ABOVE TRAG	.1161	.1356	.1132	.1397	.0504	.0571	.1135	.1151	.0707	.1498	.1369	.1316	.1256	.1260	.0961
115 EAR PROTRUSION	.0850	.0699	.0451	.0534	.0261	.0074	.0182	.0805	.0632	.0687	.0755	.0902	.0942	.0956	.0902
116 HEAD HEIGHT	.1521	.2159	.1579	.1329	.0517	.0621	.1563	.1755	.1252	.1328	.1494	.1050	.1103	.1305	.1146
117 MENTON PROJECTION	.0884	.0565	.0545	.0549	-.0184	.0283	.1242	.1147	.0978	.1079	.0904	.0616	.0975	.0974	.1010
118 EXT"L CANTHUS-WALL	.1759	.1486	.1254	.1298	.0202	.0478	.1273	.1952	.1682	.1791	.1767	.1391	.1716	.1631	.1461
119 NASAL ROOT TO WALL	.2303	.2429	.1973	.1944	.0698	.0973	.1785	.2515	.2019	.1916	.2086	.1694	.1994	.2118	.1693
120 TRAGION TO WALL	.1101	.0668	.0677	.0662	-.0176	.0197	.1080	.1174	.0995	.1189	.1335	.0749	.0693	.0704	.0904
121 LARYNX TO WALL	.2330	.1527	.1625	.1832	.0346	.0253	.2004	.2617	.1811	.2470	.2700	.2431	.2250	.2080	.2311
122 HEAD CIRCUMFERENCE	.2420	.2463	.2124	.2205	.0413	.0844	.3372	.3030	.2075	.2901	.2607	.2240	.2685	.2717	.2211
123 SAGITTAL ARC	.1429	.2551	.1982	.1788	.0762	.1093	.1019	.2186	.2216	.1454	.1267	.1224	.1772	.1858	.1369
124 BITRAG-CORONAL ARC	.1823	.2663	.1809	.1595	.0571	.0707	.1650	.2091	.1381	.1794	.1821	.1391	.1826	.1888	.1337
125 MINIMUM FR"TAL ARC	.0976	.0950	.0763	.0985	.0197	.0598	.1276	.1235	.0804	.1030	.1046	.0727	.1086	.0971	.0853
126 BIT-MIN-FR"TAL ARC	.2505	.2505	.2315	.2156	.0739	.1029	.2747	.2824	.1965	.2435	.2165	.1999	.2575	.2582	.1985
128 BITRAG-MENTON ARC	.2853	.3004	.2675	.2770	.0601	.1181	.3727	.3536	.2391	.3363	.2889	.2741	.3402	.3386	.2892
129 BIT-SUBMANDIBULAR	.2219	.2736	.2324	.2686	.0498	.1410	.3998	.2842	.1775	.3013	.2450	.2119	.2596	.2492	.2349
130 BIT-SUBNASALE ARC	.2434	.2318	.1976	.2241	.0580	.1065	.3870	.3010	.1825	.2903	.2521	.2006	.2802	.2640	.2324
131 POSTERIOR ARC	.2182	.2472	.2098	.2323	.0461	.0978	.3850	.2548	.1395	.3004	.2734	.2088	.2294	.2341	.2319
132 BITRAG-INION ARC	.1726	.1321	.0913	.0718	-.0142	-.0281	.1716	.1505	-.0425	.1784	.2022	.1390	.1659	.1493	.1552
133 AGE	-.0463	.0258	.0682	.0519	.0095	.0470	.0713	-.0471	-.0827	.0020	-.0228	-.0065	-.0514	-.0396	.0195

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
1 WEIGHT	.4129	.3990	.8148	.8436	.7518	.4747	.8049	.7743	.8081	.7938	.7607	.7715	.8185	.7014	.8435
2 HEIGHT (STATURE)	.6925	.6468	.1607	.3326	.3383	.4337	.3216	.2702	.2330	.4606	.1687	.1520	.1681	.2295	.2778
3 NASAL ROOT HEIGHT	.6879	.6404	.1632	.3283	.3295	.4409	.3213	.2716	.2234	.4604	.1781	.1482	.1583	.2228	.2775
4 EYE HEIGHT	.6897	.6425	.1649	.3306	.3313	.4418	.3236	.2729	.2257	.4624	.1799	.1512	.1613	.2241	.2798
5 TRAGION HEIGHT	.6952	.6453	.1601	.3254	.3282	.4315	.3236	.2677	.2281	.4582	.1722	.1526	.1617	.2180	.2755
6 CERVICALE HEIGHT	.6996	.6558	.1853	.3578	.3509	.4315	.3334	.2844	.2717	.4802	.2000	.1873	.1999	.2446	.2974
7 SHOULDER HEIGHT	.6865	.6323	.2132	.3679	.3541	.3749	.3314	.3068	.2749	.4810	.2176	.1946	.2114	.2377	.3023
8 SUPRASTERNALE HT	.6932	.6505	.2076	.3718	.3658	.4303	.3490	.3045	.2805	.4903	.2304	.2044	.2200	.2536	.3231
9 NIPPLE HEIGHT	.6653	.6216	.1411	.3061	.3074	.3945	.3316	.2474	.2084	.4256	.1791	.1408	.1504	.1887	.2640
11 ELBOW HEIGHT	.6133	.5488	.2500	.3893	.3764	.3379	.2868	.2039	.2057	.4802	.2317	.2074	.2472	.2529	.3132
12 WAIST HEIGHT	.6812	.6241	.1007	.2866	.2693	.3709	.2471	.2039	.1857	.4084	.1346	.0965	.1287	.1613	.2162
14 WRIST HEIGHT	.4907	.4435	.2358	.3622	.3548	.2715	.2928	.2848	.2436	.4359	.1994	.1848	.2401	.2360	.2754
15 CROTCH HEIGHT	.6705	.6039	.0452	.1631	.1684	.3781	.1840	.1642	.1081	.3215	.0751	.0247	-.0052	.0729	.1387
16 GLUTEAL FURROW HT	.6806	.6350	.1056	.2321	.2260	.3541	.2804	.2136	.2257	.3605	.1581	.1272	.1051	.1485	.2158
17 KNUCKLE HEIGHT	.4358	.4009	.2357	.3540	.3441	.2523	.2804	.2808	.2309	.4169	.1963	.1792	.2361	.2327	.2687
18 KNEECAP HEIGHT	.6435	.6210	.1667	.2795	.2894	.3606	.2868	.2626	.2890	.3885	.2040	.1712	.1820	.2173	.2770
19 SITTING HEIGHT	.4511	.3864	.1346	.3203	.3178	.3330	.2851	.2187	.1285	.3841	.1304	.1079	.1736	.2299	.2367
20 EYE HT/SITTING	.4292	.3608	.1403	.3024	.2957	.3254	.2759	.2135	.1172	.3665	.1512	.1086	.1603	.2111	.2356
21 SHOULDER HT/SITT"G	.4066	.3173	.1941	.3511	.3172	.1964	.2584	.2583	.1639	.3786	.2010	-.0710	.2138	.2165	.2515
22 WAIST HT/SITTING	.1759	.0943	-.0438	.1407	.0902	.0996	.0429	-.0147	-.1005	.1457	-.0219	.0331	.0317	.0317	.0159
23 ELBOW REST HT/SIT	-.0122	-.0939	-.1314	.2135	.1794	-.0295	.0961	.1224	.0014	.1623	.0959	.0599	.1441	.1034	.1066
24 THIGH CLEARANCE HT	.1633	.1699	.6270	.6325	.5809	.2612	.5658	.5374	.6023	.5640	.5697	.5762	.6754	.5309	.6216
25 KNEE HT/SITTING	.6893	.6580	.2478	.3832	.4006	.4441	.3726	.3450	.3421	.4877	.2739	.2389	.2427	.2793	.3607
26 POPLITEAL HT/SIT	.6331	.5790	.0778	.1856	.1798	.3872	.2168	.1932	.1463	.3182	.1083	.0608	.0359	.1182	.1841
27 BUTTOCK-KNEE LNGTH	.6438	.6151	.3405	.4494	.3316	.3535	.4312	.4116	.4330	.5699	.3578	.3420	.3609	.3127	.4072
28 BUTTOCK-LEG LENGTH	.6301	.6320	.2058	.3353	.3316	.3535	.3112	.2816	.3255	.4426	.2547	.2388	.2255	.2475	.3015
29 SHOULDER-ELBOW LTH	.6449	.6449	.1043	.2502	.2432	.3556	.2744	.2252	.2434	.3824	.1581	.1426	.1160	.1691	.2303
30 FOREARM-HAND LNGTH	.6832	.6882	.1644	.3004	.3147	.4247	.3276	.2772	.2655	.4338	.2048	.1536	.1514	.2455	.2962
31 SPAN	.7263	.7213	.1676	.3006	.2959	.5317	.3877	.3183	.2655	.4419	.1703	.1532	.1285	.2354	.3372
32 ARM REACH FR. WALL	.7730	.9387	.1954	.2791	.2755	.4137	.3375	.2898	.2916	.3933	.2397	.1953	.1811	.2497	.3139
33 MAXIMUM REACH/WALL		.7153	.1971	.2852	.2665	.4037	.3265	.2898	.2690	.4004	.2388	.1919	.1732	.2100	.2839
34 FUNCTIONAL REACH	.7153		.1842	.2852	.2762	.2706	.4019	.3223	.2691	.2790	.2278	.1855	.1777	.2492	.3090
35 ELBOW-ELBOW BRDTH	.1971	.1842		.7043	.7051	.3160	.7619	.7908	.7775	.6578	.6912	.7305	.7391	.6228	.7791
36 HIP BREADTH/SIT"NG	.2852	.2852	.7043		.7051	.3363	.6725	.6558	.7210	.8109	.6513	.6510	.7665	.5709	.7141
37 KNEE-KNEE BRTH/SIT	.2665	.2762	.7051	.7051		.3135	.6725	.6558	.7210	.6513	.6510	.7665	.5709	.5272	.6179
38 BIACROMIAL DIAM"R	.4037	.2706	.3160	.3363	.3135		.7036	.4812	.3128	.4252	.2568	.2474	.2291	.3821	.5419
39 SHOULDER BREADTH	.3265	.4019	.7619	.6725	.6725	.7036		.8179	.5631	.6421	.6102	.6134	.6537	.6394	.8713
40 CHEST BREADTH	.2898	.3223	.7908	.6558	.6558	.4812	.8179		.7208	.6257	.6257	.6403	.6537	.5848	.8149
41 WAIST BREADTH	.2690	.2691	.7775	.7210	.7210	.3128	.5631	.7208		.6750	.6801	.7971	.7784	.6284	.7406
42 HIP BREADTH	.4004	.2790	.6578	.8109	.6513	.4252	.6421	.6257	.6750		.6143	.5885	.6143	.5230	.6519
43 CHEST DEPTH	.2388	.2278	.6912	.6513	.6510	.2568	.6102	.6257	.6801	.6143		.5885	.7099	.5793	.6996
44 WAIST DEPTH	.1919	.1855	.7305	.6510	.7665	.2474	.6134	.6403	.7971	.5885	.5885		.7873	.5690	.6621
45 BUTTOCK DEPTH	.1732	.1777	.7391	.7665	.5709	.2291	.6537	.6537	.7784	.6143	.7099	.7873		.6070	.7077
46 NECK CIRCUMFERENCE	.2100	.2492	.6228	.5709	.5272	.3821	.6394	.5848	.6284	.5230	.5793	.5690	.6070		.6858
47 SHOULDER CIRCUM"CE	.2839	.3090	.7791	.7141	.6179	.5419	.8713	.8149	.7406	.6519	.6996	.6621	.7077	.6858	

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
48	CHEST CIRCUMF"ENCE	.3229	.2758	.8126	.7063	.5869	.4345	.7929	.8347	.7588	.6647	.7980	.7210	.7205	.6430	.8356
49	WAIST CIRCUMF"ENCE	.2387	.2341	.8059	.7429	.5988	.3303	.7054	.7133	.8772	.6835	.7405	.8892	.8058	.6245	.7620
50	BUTTOCK CIRCUMF"CE	.3069	.3087	.7741	.8895	.7311	.3928	.7393	.7049	.7842	.8294	.7130	.7430	.8395	.6388	.7963
51	THIGH CIRCUMF"ENCE	.1971	.1989	.7375	.8180	.6903	.3251	.6875	.6566	.7184	.6924	.6826	.6876	.8087	.6010	.7522
52	LOWER THIGH CIRC.	.1561	.2004	.5962	.6401	.6564	.2599	.5637	.5362	.5830	.5354	.5390	.5234	.6288	.5421	.6473
53	CALF CIRCUMFERENCE	.1958	.2157	.6220	.6650	.6752	.3417	.6146	.5816	.5747	.5764	.5600	.5427	.6316	.5395	.6606
54	ANKLE CIRCUMFERENCE	.2072	.2645	.5082	.5851	.6464	.2989	.5053	.5031	.4860	.5375	.4573	.4192	.5149	.4806	.5566
55	SCYE CIRCUMFERENCE	.2553	.2645	.5391	.4838	.4411	.2820	.5457	.5031	.4586	.5074	.4586	.4670	.4911	.4906	.5923
56	AXILLARY ARM CIRC.	.1794	.1627	.7655	.7051	.5849	.3332	.7256	.6642	.7023	.4586	.5014	.7105	.7478	.6284	.7664
57	BICEPS CIRC-FLEXED	.1555	.1658	.7720	.6938	.6049	.3123	.7240	.6700	.6932	.6023	.7080	.6711	.7196	.6599	.7790
58	ELBOW CIRC-FLEXED	.2929	.2870	.5618	.5285	.5143	.3475	.5686	.5196	.5035	.5069	.6990	.4639	.4937	.5328	.6025
59	LOWER ARM C-FLEXED	.2277	.2307	.7130	.6141	.5854	.3925	.6793	.6242	.5842	.5793	.4911	.5823	.5961	.6227	.7164
60	WRIST CIRCUMF"ENCE	.2799	.2970	.5587	.5339	.6132	.3429	.5773	.5239	.5200	.5190	.6098	.4726	.5019	.5546	.6075
61	SLEEVE INSEAM	.5926	.5499	-.0364	.1014	.1267	.2868	.1075	.0702	.0700	.2239	.4825	-.0250	-.0394	.0503	.0639
62	SLEEVE LENGTH	.6661	.6364	.2774	.3660	.3461	.5376	.4788	.4066	.3490	.4707	.0192	.2353	.2328	.3118	.4208
63	ANTERIOR NECK LGTH	.1580	.1065	-.2736	-.2219	-.1551	.0354	-.1753	-.2221	-.2741	-.1067	.2743	-.2980	-.3011	-.1959	-.2576
64	POSTERIOR NECK LTH	.0950	.0727	-.1018	-.0703	-.0164	-.0040	-.0316	-.0412	-.0944	-.0358	-.3163	-.1117	-.1056	-.0726	-.0735
65	SHOULDER LENGTH	.2531	.2653	.0129	-.0737	.1014	.5177	.2577	.1408	-.0369	.1613	-.1070	-.0265	-.0251	-.0678	-.1791
66	WAIST BACK	.3900	.3789	.1870	.2630	.2864	.2842	.2721	.2118	.2405	.3400	.2109	.1891	.1815	.2440	.2352
67	WAIST FRONT	.3037	.2545	.4069	.4332	.4074	.2497	.4105	.4104	.4421	.4167	.4208	.4575	.4424	.3536	.4368
68	GLUTEAL ARC	.2436	.1623	.2139	.3789	.2880	.2009	.2513	.2185	.1740	.3556	.1735	.1822	.3185	.2124	.2205
69	CROTCH LENGTH	.1917	.1873	.4974	.6274	.5226	.2216	.4828	.4394	.4842	.5212	.4390	.4789	.6273	.4414	.5269
70	VERTICAL TRUNK C.	.3845	.3585	.6202	.6986	.6147	.3900	.6351	.5946	.5832	.6674	.5621	.5842	.6652	.5463	.6463
71	INTERSCYE	.1534	.1555	.5068	.3859	.3375	.2962	.5025	.4930	.4296	.3892	.3943	.3853	.3993	.4192	.5174
72	INTERSCYE-MAXIMUM	.2833	.3069	.4900	.4450	.3955	.4576	.5976	.5473	.4734	.4411	.4091	.3771	.4175	.5001	.6073
73	BUTTOCK CIRC/SIT.	.2723	.2820	.7474	.8560	.6808	.3734	.7042	.6843	.7638	.7677	.7024	.7556	.8008	.6208	.7566
74	KNEE CIRC/SITTING	.3967	.3930	.6111	.7108	.7549	.4083	.6079	.5956	.6190	.6748	.5880	.5643	.6350	.5420	.6462
75	FOOT LENGTH	.5805	.5546	.2133	.3366	.3909	.3996	.3289	.2793	.2775	.4664	.2306	.1835	.1936	.2799	.3038
76	INSTEP LENGTH	.4822	.5087	.1920	.3064	.3657	.3535	.2980	.2503	.2527	.4321	.2026	.1614	.1660	.2561	.2829
77	FOOT BREADTH	.3422	.3463	.3119	.3804	.4524	.3181	.3843	.3418	.3215	.4068	.2738	.2448	.2928	.3660	.3802
78	HEEL BREADTH	.3162	.2663	.4057	.4266	.4390	.2812	.4187	.4107	.4023	.4383	.3790	.3769	.3672	.3748	.4148
79	BI-MALLEOLAR BR"TH	.4677	.3755	.2987	.3483	.5097	.3796	.2855	.3310	.2582	.4534	.2829	.2134	.2224	.3014	.3248
80	MED"L MALLEOLUS HT	.3310	.3176	.2054	.3052	.4066	.2562	.2875	.2223	.2085	.3627	.1829	.1592	.1959	.2118	.2507
81	LAT"L MALLEOLUS HT	.3139	.2986	.1465	.2400	.2766	.1866	.2198	.1751	.2025	.2626	.1420	.1348	.1836	.1570	.1967
82	BALL OF FOOT CIRC.	.3449	.3294	.3782	.4442	.5215	.3269	.4358	.3862	.3851	.4508	.3337	.3248	.3752	.4238	.4165
83	HAND LENGTH	.5924	.5601	.1721	.2572	.2945	.3730	.2902	.2444	.2345	.3789	.1872	.1422	.1367	.2541	.2719
84	PALM LENGTH	.5070	.4888	.1626	.2426	.2945	.3209	.2635	.2198	.2301	.3378	.1775	.1377	.1456	.2358	.2526
85	HAND BREADTH/THUMB	.3376	.3346	.2707	.2905	.3583	.2831	.3483	.3017	.2801	.3423	.2504	.2031	.2141	.3488	.3522
86	HAND B/METACARPALE	.3614	.3431	.3090	.3014	.3855	.3333	.3782	.3353	.2767	.3649	.2556	.2096	.2153	.3690	.3607
87	THICKNESS-META III	.2431	.2501	.3188	.2849	.3390	.2405	.3434	.2963	.2848	.3050	.2504	.2549	.2513	.3334	.3468
89	FINGER DIAMETER	.2912	.2676	.3724	.3369	.4098	.2507	.3985	.3437	.3452	.3663	.3026	.3062	.3060	.3831	.3928
90	GRIP DIAM"R INSIDE	.4439	.3950	-.0078	.0784	.0963	.2507	.2424	.0874	.0394	.1893	.0304	-.0047	-.0237	.0576	.0771
91	GRIP DIAM. OUTSIDE	.4721	.4266	.1083	.1841	.2172	.3107	.2424	.1951	.1507	.2853	.1290	.1009	.0901	.1864	.2015
92	FIST CIRCUMFERENCE	.3643	.3435	.3759	.3601	.4202	.3469	.4413	.3915	.3452	.3947	.3403	.2893	.2996	.4097	.4348
93	HEAD LENGTH	.2084	.1758	.2042	.1839	.2042	.1891	.2307	.2370	.1851	.1889	.1372	.1576	.1692	.2439	.2212

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
94	HEAD BREADTH	.0996	.0934	.2842	.2930	.2483	.2069	.2894	.2714	.2768	.2708	.2177	.2241	.2284	.3183	.2980
95	MIN FRONTAL DIAM"R	.1534	.1419	.3086	.2946	.2627	.2538	.3141	.3085	.2508	.2918	.2688	.2590	.2374	.3196	.3268
96	MAX FRONTAL DIAM"R	.1652	.1356	.3275	.3085	.2646	.2765	.3384	.3249	.2501	.3072	.2840	.2609	.2419	.3298	.3441
97	BIZYGOMATIC DIAM"R	.2007	.1864	.4331	.4158	.3782	.3097	.4438	.4212	.3993	.4072	.3632	.3517	.3507	.4398	.4501
98	BIGONIAL DIAMETER	.1941	.1778	.3114	.2868	.2745	.2450	.3316	.3032	.2877	.3096	.2922	.2727	.2533	.3223	.3234
99	BITRAGION DIAMETER	.1812	.1841	.3343	.3446	.3324	.2828	.3536	.3292	.3224	.3411	.2922	.2727	.2745	.3734	.3695
100	INTEROCULAR DIAM"R	.0795	.0702	.1087	.1145	.1345	.1090	.1501	.1354	.1083	.1196	.0959	.0822	.1095	.1863	.1401
101	BIOCULAR DIAMETER	.1376	.1657	.1780	.2243	.2449	.1800	.2487	.2132	.2314	.2158	.1665	.1537	.2038	.2917	.2504
102	INTERPUPILLARY DIS	.1462	.1419	.1419	.1762	.1825	.1445	.1849	.1700	.1682	.1986	.1434	.1304	.1382	.2005	.1879
103	NOSE LENGTH	.1729	.1459	.0692	.0587	.0903	.1652	.1079	.0378	.0107	-.0150	.0276	-.0107	-.0150	.0520	.0750
104	NOSE BREADTH	.0818	.0754	.1059	.1603	.1767	.1670	.2004	.1590	.1663	.1410	.1678	.1415	.1587	.2614	.2160
105	NASAL ROOT BREADTH	-.0018	.0904	.0478	.1344	.1755	.0978	.1445	.1279	.1626	.1070	.1034	.1186	.1617	.2361	.1683
106	NOSE PROTRUSION	.1533	.1291	.0767	.0682	.0746	.1863	.0929	.0852	.0253	.1440	.0281	.0118	-.0125	.0498	.0645
107	PHILTRUM LENGTH	.0593	.0335	.0934	.0762	.0945	.0000	.0608	.0821	.0871	.0645	.0766	.0759	.0811	.0984	.0696
108	MENTON-SUBNASALE	.1171	.1093	.1104	.1104	.1295	.0857	.1028	.1208	.0960	.1085	.0687	.0780	.0780	.1375	.1117
110	LIP-LIP DISTANCE	-.0345	.0411	-.0931	-.0483	.0081	.0116	-.0596	-.0547	-.0859	-.0636	-.0778	-.1108	-.0693	-.0181	-.0676
111	LIP LENGTH	.1375	.1101	.2381	.1740	.1617	.1592	.2457	.2141	.2148	.2112	.1997	.2011	.1637	.2469	.2233
112	EAR LENGTH	.2166	.1871	.2624	.2637	.2341	.1730	.2614	.2682	.2678	.2929	.2655	.2620	.2463	.2214	.2571
113	EAR BREADTH	.1424	.1291	.1249	.1233	.1255	.1092	.1474	.1401	.1202	.1584	.1590	.1143	.1006	.1242	.1274
114	EAR LTH ABOVE TRAG	.1385	.0765	.1471	.1385	.1197	.0652	.1549	.1442	.1488	.1442	.1543	.1484	.1528	.0961	.1413
115	EAR PROTRUSION	.0967	.0810	.0361	.0496	.0554	.0273	.0298	.0311	.0429	.0464	-.0019	.0252	.0244	.0139	.0220
116	HEAD HEIGHT	.1427	.1080	.1329	.1714	.1834	.0599	.1323	.1302	.1938	.0997	.0688	.1608	.1819	.1822	.1665
117	MENTON PROJECTION	.0692	.1073	.1516	.1151	.1055	.1974	.1851	.1463	.0914	.1315	.1185	.0809	.0979	.1534	.1848
118	EXT"L CANTHUS-WALL	.1675	.1401	.1664	.1364	.1495	.1323	.1678	.1564	.1425	.1577	.1485	.1449	.1361	.1827	.1697
119	NASAL ROOT TO WALL	.2095	.1603	.1541	.1749	.2239	.1275	.1795	.1554	.2048	.1221	.0839	.1512	.1845	.2235	.2018
120	TRAGION TO WALL	.1248	.0878	.1382	.0973	.1074	.0354	.0972	.0901	.1540	.1006	.1175	.1510	.1295	.1299	.1000
121	LARYNX TO WALL	.2814	.2201	.2544	.2569	.2687	.1093	.2165	.1796	.3473	.2569	.3309	.3122	.2606	.3091	.2343
122	HEAD CIRCUMFERENCE	.2306	.2244	.3787	.3911	.3685	.2882	.4145	.4018	.3884	.3669	.3296	.3215	.3601	.4519	.4242
123	SAGITTAL ARC	.1509	.1383	.0739	.1121	.1280	.2034	.1383	.1386	.0484	.1113	.0441	.0323	.0586	.1287	.1388
124	BITRAG-CORONAL ARC	.0462	.1371	.1146	.2416	.2361	.1746	.2259	.2158	.2079	.2189	.1059	.1586	.1974	.2649	.2234
125	MINIMUM FR"TAL ARC	.1449	.0999	.3222	.1573	.1599	.1366	.1447	.1351	.1301	.1296	.1059	.0903	.1075	.2129	.1809
126	BIT-MIN-FR"TAL ARC	.2096	.1966	.3378	.3378	.3241	.2739	.3640	.3569	.3109	.3332	.2626	.2665	.2864	.3725	.3606
128	BITRAG-MENTON ARC	.2859	.2798	.4696	.4421	.4267	.3735	.5228	.4810	.4450	.4422	.4232	.4029	.4164	.5007	.5206
129	BIT-SUBMANDIBULAR	.2324	.2194	.5062	.4527	.4214	.2927	.4948	.4759	.4934	.4371	.4670	.4925	.4831	.5069	.5063
130	BIT-SUBNASALE ARC	.2175	.2260	.4586	.4349	.4363	.3025	.4768	.4245	.4833	.4201	.4254	.4346	.4670	.4776	.4946
131	POSTERIOR ARC	.2278	.2302	.4585	.4465	.4102	.2636	.4685	.4245	.4833	.4107	.4254	.4152	.4670	.5002	.4786
132	BITRAG-INION ARC	.1308	.1637	.1948	.2234	.2421	.0932	.2092	.1862	.2717	.1862	.1894	.1941	.2472	.2902	.2270
133	AGE	.0343	-.0077	.2870	.1219	.0226	.0147	.1563	.1961	.2308	.1952	.2633	.3336	.1634	.1009	.1583

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
1 WEIGHT	.8584	.8525	.9276	.8608	.7094	.7676	.6617	.5912	.8077	.8040	.6452	.7649	.6550	.1905	.5049
2 HEIGHT (STATURE)	.2685	.2001	.3555	.2110	.2045	.2440	.3001	.2690	.1342	.1188	.2954	.2194	.3067	.6469	.7260
3 NASAL ROOT HEIGHT	.2761	.2003	.3523	.2110	.1984	.2416	.2949	.2672	.1403	.1233	.2970	.2286	.3020	.6405	.7208
4 EYE HEIGHT	.2777	.2030	.3549	.2130	.2000	.2441	.2971	.2674	.1421	.1255	.2985	.2304	.3029	.6416	.7232
5 TRAGION HEIGHT	.2722	.2000	.3513	.2087	.1948	.2375	.2905	.2685	.1373	.1193	.2971	.2225	.3030	.6479	.7267
6 CERVICALE HEIGHT	.2875	.2369	.3796	.2503	.2212	.2532	.3057	.2748	.1568	.1363	.3017	.2287	.3085	.6464	.7288
7 SHOULDER HEIGHT	.3114	.2483	.3887	.2576	.2243	.2607	.3087	.2925	.1685	.1518	.3104	.2404	.3103	.6278	.7139
8 SUPRASTERNALE HT	.3146	.2540	.3992	.2576	.2388	.2741	.3218	.2978	.1867	.1681	.3240	.2563	.3268	.6392	.7308
9 NIPPLE HEIGHT	.2506	.1821	.3270	.1943	.1842	.2221	.2681	.2431	.1195	.0983	.2760	.1978	.2696	.6378	.6986
11 ELBOW HEIGHT	.3273	.2612	.4113	.2827	.2491	.2845	.3296	.2926	.2015	.1919	.3252	.2665	.3181	.5303	.6226
12 WAIST HEIGHT	.2046	.1339	.1532	.1532	.1462	.1646	.2269	.2174	.0836	.0553	.2352	.1382	.2222	.6412	.6924
14 WRIST HEIGHT	.2854	.2292	.3796	.2631	.2333	.2581	.3091	.2737	.1801	.1781	.2906	.2326	.2832	.4100	.5037
15 CROTCH HEIGHT	.1663	.0927	.1869	.0758	.0662	.1202	.1623	.1542	.0160	-.0111	.1933	.1241	.1494	.6629	.6828
16 GLUTEAL FURROW HT	.2213	.1802	.2550	.1296	.1278	.1583	.2022	.2082	.0800	.0517	.2194	.1378	.1887	.6659	.7057
17 KNUCKLE HEIGHT	.2776	.2233	.3717	.2604	.2012	.2535	.3027	.2380	.1779	.1785	.2752	.2296	.2684	.3654	.4618
18 KNEECAP HEIGHT	.2592	.2332	.3035	.1909	.2001	.2138	.2725	.2418	.1273	.1148	.2693	.1884	.2556	.6079	.6805
19 SITTING HEIGHT	.2257	.1322	.3218	.2155	.1826	.2395	.2808	.2333	.1569	.1488	.2617	.2318	.3193	.3854	.4695
20 EYE HT/SITTING	.2387	.1395	.3110	.2181	.2043	.2232	.2612	.2572	.1733	.1588	.2588	.2394	.3025	.3601	.4381
21 SHOULDER HT/SITT"'G	.2701	.1852	.3395	.2553	.0105	.2458	.2757	.0512	.1969	-.1809	.2626	.2479	.3096	.3136	.4038
22 WAIST HT/SITTING	-.0043	-.0899	.0822	.0397	.0307	.0186	.0593	.0283	.0800	-.0092	.0569	-.0333	.0825	.1155	.1262
23 ELBOW REST HT/SIT	.1353	-.0716	.1898	.1879	.1307	.1633	.1670	.1016	.1497	.1492	.1245	.1736	.1612	-.0998	-.0600
24 THIGH CLEARANCE HT	.6232	.6466	.7357	.7469	.6065	.6065	.5109	.4317	.6470	.6460	.4601	.5744	.4526	-.0138	.2264
25 KNEE HT/SITTING	.3543	.3074	.4143	.2911	.2807	.3281	.3718	.2945	.2138	.1942	.3413	.2916	.3429	.6385	.7370
26 POPLITEAL HT/SIT	.1935	.1291	.2068	.0927	.0780	.1522	.1937	.1654	.0457	.0118	.1971	.1483	.1749	.6239	.6623
27 BUTTOCK-KNEE LENGTH	.4276	.4024	.5050	.3875	.3252	.3524	.3491	.3241	.2989	.2778	.3590	.3113	.2631	.5660	.7028
28 BUTTOCK-LEG LENGTH	.2978	.2820	.3697	.2462	.2264	.2388	.2835	.2737	.1732	.1592	.2917	.2047	.2631	.5693	.6639
29 SHOULDER-ELBOW LTH	.2262	.1853	.2638	.1404	.1388	.1695	.2008	.2420	.0849	.0607	.2268	.1460	.2486	.6743	.7451
30 FOREARM-HAND LNGTH	.2680	.2086	.3132	.1843	.1904	.2350	.2823	.2627	.1455	.1486	.3321	.2496	.3499	.6803	.7425
31 SPAN	.3033	.2187	.3194	.1880	.1803	.2330	.2598	.2624	.1474	.1292	.3107	.2336	.3248	.7284	.8253
32 ARM REACH FR. WALL	.2944	.2483	.3150	.2008	.2008	.2178	.2446	.2698	.1756	.1727	.3184	.2472	.3134	.5754	.6718
33 MAXIMUM REACH/WALL	.3229	.2387	.3069	.1971	.1561	.1958	.2072	.2553	.1794	.1555	.2929	.2277	.2799	.5926	.6661
34 FUNCTIONAL REACH	.2758	.2341	.3087	.1989	.2004	.2157	.2486	.2645	.1627	.1658	.2870	.2307	.2970	.5499	.6364
35 ELBOW-ELBOW BRDTH	.8126	.8059	.7741	.7375	.5962	.6220	.5082	.5391	.7655	.7720	.5618	.7130	.5587	-.0364	.2774
36 HIP BREADTH/SIT"NG	.7063	.7429	.8895	.8180	.6401	.6550	.5851	.4838	.7051	.6938	.5285	.6141	.6132	.1014	.3660
37 KNEE-KNEE BRTH/SIT	.5869	.5988	.7311	.6903	.6564	.6752	.6464	.4411	.5849	.6049	.5143	.5854	.5339	.1267	.3461
38 BIACROMIAL DIAM"R	.4345	.3303	.3928	.3251	.2599	.3417	.2989	.2820	.3332	.3123	.3475	.3925	.3429	.2868	.5376
39 SHOULDER BREADTH	.7929	.7054	.7393	.6875	.5637	.6146	.5053	.5457	.7256	.7240	.5686	.6793	.5773	.1075	.4788
40 CHEST BREADTH	.8347	.7133	.7049	.6566	.5362	.5816	.4791	.5031	.6642	.6700	.5196	.6242	.5239	.0702	.4066
41 WAIST BREADTH	.7588	.8772	.7842	.7184	.5830	.5747	.4860	.5074	.7023	.6932	.5036	.5842	.5200	.0700	.3490
42 HIP BREADTH	.6547	.6835	.8294	.6924	.5390	.5500	.5375	.4585	.6194	.6023	.5069	.5733	.5190	.2239	.4707
43 CHEST DEPTH	.7980	.7405	.7130	.6826	.5234	.5427	.4573	.5014	.7080	.6990	.4911	.6098	.4825	-.0192	.2743
44 WAIST DEPTH	.7210	.8892	.7430	.6876	.6288	.6316	.4192	.4670	.7105	.7196	.4639	.5823	.4726	-.0250	.2353
45 BUTTOCK DEPTH	.7205	.8058	.8395	.8087	.5421	.5395	.5149	.4911	.7478	.6711	.4937	.5961	.5019	-.0394	.2328
46 NECK CIRCUMFERENCE	.6430	.6245	.6388	.6010	.5421	.5395	.4804	.4906	.6284	.6599	.5328	.6227	.5546	.0503	.3118
47 SHOULDER CIRCUM"CE	.8356	.7620	.7963	.7522	.6473	.6506	.5566	.5923	.7664	.7790	.6025	.7164	.6075	.0639	.4208

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
48	CHEST CIRCUMF"ENCE		.8046	.7818	.7384	.5619	.6191	.4832	.5334	.7849	.7760	.5743	.7058	.5375	.0849	.4160
49	WAIST CIRCUMF"ENCE	.8046		.8377	.7733	.5857	.6108	.4914	.5195	.7732	.7368	.5301	.6531	.5201	.0051	.2987
50	BUTTOCK CIRCUMF"CE	.7818	.8377		.8925	.7109	.7359	.6396	.5512	.7719	.7641	.5898	.6939	.5936	.0868	.3823
51	THIGH CIRCUMF"ENCE	.7384	.7733	.8925		.7407	.7468	.6148	.5031	.7630	.7655	.5451	.6764	.5324	-.0065	.2697
52	LOWER THIGH CIRC.	.5619	.5857	.7109	.7407		.7209	.6428	.4979	.5726	.6408	.4780	.5911	.5356	-.0223	.2061
53	CALF CIRCUMFERENCE	.6191	.6108	.7359	.7468	.7209		.7491	.4581	.6266	.6537	.5163	.6680	.5638	.0523	.2931
54	ANKLE CIRCUMFERENCE	.4832	.4914	.6396	.6148	.6428	.7491		.4194	.4795	.5312	.4606	.5312	.4889	-.0906	.2061
55	SCYE CIRCUMFERENCE	.5334	.5195	.5512	.5031	.4979	.4581	.4194		.5438	.5749	.4824	.5404	.4889	-.0295	.2739
56	AXILLARY ARM CIRC.	.7849	.7732	.7719	.7630	.5726	.6266	.4795	.5438		.8680	.6030	.7468	.5616	-.0553	.2905
57	BICEPS CIRC-FLEXED	.7760	.7368	.7641	.7655	.6408	.6537	.5312	.5749	.8680		.6538	.8048	.6092	.0884	.3486
58	ELBOW CIRC-FLEXED	.5743	.5301	.5898	.5451	.4780	.5163	.4606	.4824	.6030	.6538		.8048	.7715	.0884	.3486
59	LOWER ARM C-FLEXED	.7058	.6531	.6939	.6764	.5911	.6680	.5312	.5404	.7468	.8048	.8048		.6908	.0240	.3165
60	WRIST CIRCUMF"ENCE	.5375	.5201	.5936	.5324	.5356	.5638	.4889	.4889	.5616	.6092	.7715	.6908		.1139	.3502
61	SLEEVE INSEAM	.0849	.0051	.0868	-.0065	-.0223	.0523	-.0906	-.0295	-.0553	.0884	.0884	.0240	.1139		.6283
62	SLEEVE LENGTH	.4160	.2987	.3823	.2697	.2061	.2931	.2061	.2739	.2905	.3486	.3486	.3165	.3502	.6283	
63	ANTERIOR NECK LGTH	-.2663	-.3093	-.2330	-.2761	-.2185	-.2098	-.1405	-.1285	-.2885	-.2863	-.1299	-.2060	-.1032	.1951	.1021
64	POSTERIOR NECK LTH	-.0659	-.1324	-.0674	-.0852	-.0374	-.1164	-.0975	-.0205	-.0332	-.0822	-.0220	-.0459	-.0219	.1264	.1117
65	SHOULDER LENGTH	.1052	.0178	.1020	.0376	.0623	.2137	.0975	.0463	.1525	.0250	.1281	.1103	.1417	.3020	.4044
66	WAIST BACK	.2438	.2198	.2980	.2017	.1954	.3933	.2446	.2041	.1625	.1560	.2199	.2059	.2831	.3528	.4331
67	WAIST FRONT	.4505	.4764	.4862	.4297	.3811	.3933	.3492	.3344	.4053	.4045	.3286	.3851	.3565	.2057	.3143
68	GLUTEAL ARC	.2425	.1838	.3548	.3115	.1883	.2302	.2251	.1496	.2054	.2294	.2049	.2321	.2191	.1770	.2383
69	CROTCH LENGTH	.4706	.4965	.6561	.6216	.5042	.4906	.4449	.3991	.5094	.4980	.3797	.4295	.4188	.0180	.2190
70	VERTICAL TRUNK C.	.6481	.6381	.7652	.6828	.5432	.5861	.5262	.4848	.6111	.6001	.5169	.5845	.5347	.1950	.4421
71	INTERSCYE	.5180	.4395	.4578	.4195	.3309	.3307	.2876	.3421	.4322	.4484	.3567	.4393	.3562	.0068	.2245
72	INTERSCYE-MAXIMUM	.5515	.4581	.5095	.4583	.3947	.4148	.3726	.4125	.4682	.4859	.4263	.4773	.4245	-.1349	.3910
73	BUTTOCK CIRC/SIT.	.7646	.8277	.9079	.8393	.6571	.6867	.5816	.5105	.7580	.7366	.5454	.6726	.5456	.0856	.3532
74	KNEE CIRC/SITTING	.6545	.6416	.7653	.7240	.6571	.7147	.6580	.4713	.6074	.6126	.5439	.6203	.5725	.2354	.4774
75	FOOT LENGTH	.2933	.2317	.3647	.2381	.2502	.3308	.4093	.2664	.1829	.1877	.3237	.2921	.3803	.5040	.5960
76	INSTEP LENGTH	.2687	.2103	.3374	.2195	.2427	.3170	.3824	.2541	.1616	.1725	.3056	.2791	.3549	.4586	.5535
77	FOOT BREADTH	.3477	.2905	.4080	.3488	.3610	.4349	.4840	.2829	.2933	.3362	.3721	.3884	.4744	.2687	.3937
78	HEEL BREADTH	.4555	.4172	.4708	.4412	.3715	.4403	.4058	.3115	.3533	.3950	.3707	.4408	.4454	.1693	.3382
79	BI-MALLEOLAR BR"TH	.3340	.2502	.3816	.3017	.3103	.4200	.5048	.2769	.2570	.2689	.3714	.3946	.4899	.3138	.4423
80	MED"L MALLEOLUS HT	.2046	.1800	.3126	.2361	.2354	.2900	.3725	.2365	.1849	.1813	.2589	.2358	.3643	.2641	.3609
81	LAT"L MALLEOLUS HT	.1483	.1526	.2375	.1717	.1771	.1881	.2535	.1868	.1389	.1249	.1812	.1354	.2455	.2643	.3259
82	BALL OF FOOT CIRC.	.4220	.3573	.4592	.4127	.3645	.4855	.5258	.2667	.4052	.4096	.4290	.4643	.5165	.2879	.4227
83	HAND LENGTH	.2450	.1871	.2554	.1647	.1674	.2160	.2869	.2416	.1516	.1510	.3191	.2266	.3745	.5138	.5884
84	PALM LENGTH	.2151	.1710	.3102	.1926	.1807	.2160	.2709	.2236	.1399	.1464	.2717	.2559	.3298	.4377	.5142
85	HAND BREADTH/THUMB	.3174	.2314	.3299	.2595	.2834	.3238	.3725	.3001	.2718	.3110	.3841	.4098	.5025	.2699	.4090
86	HAND B/METACARPALE	.3466	.2574	.3173	.2783	.2909	.3492	.4025	.3153	.3019	.3433	.4336	.4774	.5404	.2745	.4179
87	THICKNESS-META III	.3165	.2696	.3787	.2800	.2883	.3038	.3164	.2708	.2969	.3421	.3733	.4124	.4615	.1704	.3049
89	FINGER DIAMETER	.3602	.3249	.3787	.3236	.3306	.3038	.3592	.3393	.3607	.3998	.4384	.4775	.5717	.1781	.3226
90	GRIP DIAM"R INSIDE	.0850	.0276	.0878	.0116	.0015	.0578	.1174	.0675	-.0120	-.0118	.1127	.0759	.1336	.3905	.4018
91	GRIP DIAM. OUTSIDE	.2069	.1318	.2101	.1319	.1306	.1996	.2543	.1828	.1233	.1338	.2712	.2353	.3125	.3910	.4539
92	FIST CIRCUMFERENCE	.4187	.3317	.4005	.3538	.3413	.4068	.4242	.3634	.3895	.4342	.4993	.5383	.5799	.2587	.4265
93	HEAD LENGTH	.2285	.1790	.2113	.1762	.1536	.1357	.2006	.1681	.1578	.1703	.1893	.2014	.2088	.1383	.2172

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

		48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
94	HEAD BREADTH	.2961	.2771	.2846	.2726	.2218	.2549	.2224	.1925	.2646	.2687	.1930	.2648	.1931	.0169	.1609
95	MIN FRONTAL DIAM"R	.3429	.3180	.3314	.3074	.2336	.2921	.2613	.1982	.3091	.3025	.2475	.3458	.2399	.0631	.1915
96	MAX FRONTAL DIAM"R	.3776	.3288	.3463	.3189	.2441	.3028	.2603	.2100	.3355	.3216	.2633	.3684	.2481	.0644	.2065
97	BIZYGOMATIC DIAM"R	.4625	.4167	.4368	.3949	.3338	.3791	.3347	.3023	.4103	.4039	.3334	.4233	.3529	.0932	.2856
98	BIGONIAL DIAMETER	.3399	.2997	.3142	.2757	.2428	.2704	.2737	.2244	.2915	.2976	.2699	.3255	.2886	.0989	.2273
99	BITRAGION DIAMETER	.3527	.3235	.3517	.3135	.2706	.3117	.2858	.2438	.3045	.3023	.2590	.3316	.2934	.1022	.2678
100	INTEROCULAR DIAMETER	.1144	.0942	.1238	.1152	.1193	.1314	.1422	.0898	.0980	.1120	.0981	.1296	.1416	.0297	.0860
101	BIOCULAR DIAMETER	.1901	.1681	.2297	.1884	.2116	.2003	.2222	.1400	.1573	.1900	.1774	.1630	.2186	.0953	.1931
102	INTERPUPILLARY DIS	.1685	.1472	.1791	.1502	.1532	.1603	.1852	.1253	.1221	.1400	.1293	.1464	.1689	.1026	.1774
103	NOSE LENGTH	.1103	.0367	.0655	.0330	-.0004	.0431	.0559	.0840	.0362	.0241	.0850	.0760	.0831	.1256	.1853
104	NOSE BREADTH	.1816	.1416	.1772	.1655	.1883	.1813	.1927	.1694	.1786	.2039	.1893	.2162	.2344	.0249	.1042
105	NASAL ROOT BREADTH	.0763	.1186	.1467	.1245	.1884	.1543	.2011	.0912	.1008	.1307	.1269	.1103	.1833	-.0096	.0493
106	NOSE PROTRUSION	.0935	.0645	.0913	.0497	.0233	.0711	.0939	.0490	.0428	.0097	.0775	.0987	.0890	.1478	.1924
107	PHILTRUM LENGTH	.0820	.0582	.0735	.0684	.1065	.0758	.0938	.0845	.0594	.0753	.0785	.0710	.1041	.0357	.0625
108	MENTON-SUBNASALE	.1127	.0870	.1175	.0911	.1165	.1147	.1370	.0995	.0744	.0866	.1066	.1091	.1299	.0979	.1283
110	LIP-LIP DISTANCE	-.0791	-.1150	-.0521	-.0266	.0104	.0103	-.0246	-.0459	-.0959	-.0645	-.0136	-.0404	-.0140	.0719	.0411
111	LIP LENGTH	.2586	.2101	.2025	.2718	.1516	.1461	.1528	.1812	.2053	.2263	.1810	.2159	.2097	.0502	.1477
112	EAR LENGTH	.3002	.2781	.2958	.2775	.1934	.2096	.2050	.2124	.2457	.2350	.2202	.2249	.2284	.0940	.2355
113	EAR BREADTH	.1540	.1173	.1382	.1054	.1050	.1130	.1026	.1151	.1136	.1078	.0970	.1039	.1203	.0735	.1617
114	EAR LTH ABOVE TRAG	.1801	.1495	.1605	.1355	.0960	.1030	.0913	.1357	.1498	.1356	.1236	.1066	.1189	.0271	.1246
115	EAR PROTRUSION	.0097	.0229	.0331	.0245	.0363	.0401	.0346	.0221	.0161	.0164	.0582	.0298	.0550	.0328	.0811
116	HEAD HEIGHT	.1798	.1712	.1994	.1722	.1520	.1496	.1318	.1398	.1518	.1579	.1278	.1282	.1088	.0737	.1047
117	MENTON PROJECTION	.1563	.1193	.1480	.1386	.1120	.1365	.1192	.1004	.1487	.1616	.1561	.1907	.1188	.0354	.1568
118	EXT"L CANTHUS-WALL	.1766	.1558	.1660	.1451	.1173	.1276	.1276	.1333	.1291	.1341	.1293	.1382	.1224	.0785	.1341
119	NASAL ROOT TO WALL	.2027	.1694	.2169	.1876	.1633	.1769	.1962	.1575	.1526	.1592	.1584	.1586	.1861	.1269	.1926
120	TRAGION TO WALL	.1433	.1594	.1325	.1116	.0582	.0651	.0486	.1044	.1149	.1119	.0969	.0884	.0579	.0101	.0716
121	LARYNX TO WALL	.3129	.3158	.2926	.2312	.1965	.1894	.1727	.2330	.2422	.2387	.2163	.2161	.2152	.1302	.2093
122	HEAD CIRCUMFERENCE	.4177	.3797	.4178	.3769	.3250	.3619	.3327	.2873	.3603	.3652	.3046	.3605	.3339	.1286	.3028
123	SAGITTAL ARC	.1313	.0844	.1366	.1137	.0844	.1329	.1456	.0867	.0866	.0805	.1168	.1530	.1100	.1255	.1759
124	BITRAG-CORONAL ARC	.1894	.1790	.2332	.2041	.2042	.1965	.2120	.1651	.1660	.1762	.1602	.1651	.1768	.1034	.1857
125	MINIMUM FR"TAL ARC	.1323	.1229	.1610	.1510	.1676	.1512	.1770	.0885	.1194	.1378	.1153	.1432	.1343	.0593	.0979
126	BIT-MIN-FR"TAL ARC	.3563	.3084	.3517	.3118	.2621	.2939	.2857	.2362	.3022	.3110	.2753	.3205	.3035	.1311	.2732
128	BITRAG-MENTON ARC	.5214	.4446	.4864	.4282	.3689	.4170	.3788	.3673	.4549	.4599	.4079	.4729	.4344	.1609	.3698
129	BIT-SUBMANDIBULAR	.5407	.5245	.5128	.4551	.3773	.4051	.3544	.3776	.4849	.4724	.3945	.4771	.4161	.0903	.3009
130	BIT-SUBNASALE ARC	.4843	.4327	.4756	.4301	.3786	.4145	.3840	.3420	.4386	.4502	.3715	.4376	.4151	.1124	.3058
131	POSTERIOR ARC	.4711	.4718	.4898	.4322	.3890	.4121	.3526	.3551	.4486	.4546	.3536	.4077	.3972	.0580	.2845
132	BITRAG-INION ARC	.1750	.1935	.2281	.1891	.2313	.2033	.1993	.1837	.1691	.1993	.1855	.1434	.2264	-.0684	.1649
133	AGE	.2785	.3034	.1523	.0920	.0077	.0305	-.0088	.1866	.2485	.2164	.1116	.1848	.0974	-.1084	-.0024

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	63	64	65	66	67	58	69	70	71	72	73	74	75	76	77
1 WEIGHT	-2151	-0356	.1566	.3769	.5616	.3555	.6274	.8124	.4950	.5614	.8877	.8210	.4549	.4195	.4781
2 HEIGHT (STATURE)	.2669	.2203	.3760	.6070	.4321	.3170	.2803	.5642	.2066	.3175	.3101	.4947	.7103	.6654	.4248
3 NASAL ROOT HEIGHT	.2861	.1938	.3663	.5835	.4295	.3216	.2743	.5646	.2077	.3158	.3112	.4951	.7009	.6546	.4168
4 EYE HEIGHT	.2832	.1960	.3698	.5853	.4305	.3230	.2743	.5646	.2079	.3158	.3140	.4971	.7029	.6568	.4172
5 TRAGION HEIGHT	.2713	.2195	.3789	.6013	.4297	.3172	.2752	.5640	.2062	.3164	.3072	.4903	.7043	.6603	.4156
6 CERVICALE HEIGHT	.2207	.1097	.3613	.6449	.4257	.3187	.2962	.5760	.2142	.3236	.3387	.5131	.7064	.6582	.4151
7 SHOULDER HEIGHT	.2035	.1495	.2858	.5808	.4296	.3236	.2999	.5980	.2265	.3207	.3493	.5192	.6870	.6458	.4145
8 SUPRASTERNALE HT	.1716	.1749	.3484	.5839	.4761	.3224	.3050	.5886	.2176	.3313	.3591	.5335	.7019	.6547	.4230
9 NIPPLE HEIGHT	.1898	.1697	.3294	.5396	.4349	.2956	.2476	.5287	.1795	.2856	.2910	.4784	.6740	.6308	.3859
11 ELBOW HEIGHT	.1791	.1509	.2437	.5632	.4536	.3466	.3344	.6355	.2602	.3248	.3681	.5228	.6479	.6035	.4040
12 WAIST HEIGHT	.2046	.1374	.3242	.3792	.1973	.4041	.3549	.4409	.1449	.2539	.2627	.4310	.6516	.5960	.3599
14 WRIST HEIGHT	.1711	.1478	.1854	.5433	.4458	.3366	.3396	.6267	.2639	.3016	.3365	.4734	.5698	.5319	.3643
15 CROTCH HEIGHT	.2036	.1273	.3338	.4076	.2430	.1744	.0492	.2985	.0852	.1784	.1631	.3907	.6367	.5956	.3034
16 GLUTEAL FURROW HT	.1632	.1198	.3100	.4424	.3069	.1324	.1162	.3489	.1236	.2332	.2308	.4261	.6426	.5973	.3170
17 KNUCKLE HEIGHT	.1584	.1243	.1732	.5298	.4424	.3306	.3350	.6169	.2700	.2946	.3308	.4579	.5243	.4961	.3427
18 KNEECAP HEIGHT	.1293	.1132	.2916	.4410	.3282	.1862	.1853	.3961	.1510	.2743	.2680	.4571	.6457	.5930	.3709
19 SITTING HEIGHT	.2904	.2635	.3109	.5745	.4446	.3953	.3696	.6073	.2376	.2985	.2730	.3770	.5107	.4821	.3650
20 EYE HT/SITTING	.2973	.2102	.2798	.5131	.4355	.3806	.3439	.5837	.2392	.2888	.2676	.3606	.4643	.4340	.3259
21 SHOULDER HT/SITT"G	.1566	.1235	.1241	.4981	.4072	.3806	.3761	.6217	.2486	.2734	.3072	.3820	.4233	.4030	.3232
22 WAIST HT/SITTING	.1381	-0456	-1081	-0630	-1496	.5964	.5173	.2599	.0649	.0724	.0972	.0858	.1540	.1207	.1240
23 ELBOW REST HT/SIT	.0650	-0528	-0638	.2281	.2590	.3102	.3046	.4371	.1869	.1212	.1813	.1705	.0739	.0693	.1261
24 THIGH CLEARANCE HT	-2267	-0678	.0027	.1758	.3743	.2268	.4909	.5785	.3602	.4031	.6901	.6135	.2052	.1859	.2891
25 KNEE HT/SITTING	.1071	.1057	.3322	.4805	.3744	.2183	.2318	.5843	.1843	.3175	.3825	.5765	.7128	.6606	.4363
26 POPLITEAL HT/SIT	.1627	.1195	.3168	.3991	.2516	.1454	.0749	.3126	.0937	.2003	.1846	.3693	.6325	.5894	.3237
27 BUTTOCK-KNEE LNGTH	.0673	.0920	.2836	.4475	.3848	.2563	.3019	.5236	.2594	.3515	.4587	.5901	.6262	.5892	.3863
28 BUTTOCK-LEG LENGTH	.1168	.1105	.2864	.4750	.3275	.1773	.2239	.4454	.1867	.2873	.3302	.4956	.6376	.6137	.3670
29 SHOULDER-ELBOW LTH	.1805	.1088	.2807	.4264	.2563	.1848	.1608	.3530	.0953	.2417	.2300	.3789	.5737	.5423	.3510
30 FOREARM-HAND LNGTH	.1604	.1406	.3304	.4497	.3158	.2141	.1847	.4072	.1222	.2956	.2769	.4518	.7353	.6704	.4351
31 SPAN	.1815	.1530	.4146	.4618	.3217	.2228	.1850	.4137	.1420	.3271	.2824	.4523	.7159	.6483	.4261
32 ARM REACH FR. WALL	.1195	.0958	.2901	.3925	.2670	.1657	.1850	.3741	.1643	.3171	.2853	.4084	.5811	.5448	.3555
33 MAXIMUM REACH/WALL	.1580	.0950	.2531	.3900	.3037	.2436	.1917	.3845	.1634	.2833	.2723	.3967	.5805	.4822	.3422
34 FUNCTIONAL REACH	.1065	.0727	.2653	.3789	.2545	.1623	.1873	.3585	.1555	.3069	.2820	.3930	.5546	.5087	.3463
35 ELBOW-ELBOW BRDTH	-2219	-1018	.0129	.1870	.4069	.2139	.4974	.6986	.3859	.4900	.7474	.6111	.2133	.1920	.3119
36 HIP BREADTH/SIT"NG	-2739	-0703	-0737	.2630	.4332	.3789	.6274	.6986	.3375	.4450	.8560	.7108	.3366	.3064	.3804
37 KNEE-KNEE BRTH/SIT	-1551	-0164	.1014	.2864	.4074	.2880	.5226	.6147	.2962	.3955	.6808	.7549	.3909	.3657	.4524
38 BIACROMIAL DIAM"R	-0354	-0040	.5177	.2842	.2497	.2009	.2216	.3900	.2962	.4576	.3734	.4083	.3996	.3535	.3181
39 SHOULDER BREADTH	-1753	-0316	.2577	.2721	.4105	.2513	.4828	.6351	.5025	.5976	.7042	.6079	.3289	.2980	.3843
40 CHEST BREADTH	-2221	-0412	.1408	.2118	.4104	.2185	.4842	.5946	.4930	.5473	.6843	.5956	.2793	.2503	.3418
41 WAIST BREADTH	-2741	-0944	-0369	.2405	.4421	.1740	.4842	.5832	.4296	.4734	.7638	.6190	.2775	.2527	.3215
42 HIP BREADTH	-1067	-0358	.1613	.3400	.4167	.3556	.5212	.6674	.3892	.4411	.7677	.6748	.4664	.4321	.4068
43 CHEST DEPTH	-3163	-1070	-0170	.2109	.4208	.1735	.4390	.5621	.3943	.4091	.7024	.5880	.2306	.2026	.2738
44 WAIST DEPTH	-2980	-1117	-0265	.1891	.4575	.1822	.4789	.5842	.3853	.3771	.7556	.5643	.1835	.1614	.2448
45 BUTTOCK DEPTH	-3011	-1056	-0251	.1815	.4424	.3185	.6273	.6652	.3993	.4175	.8008	.6350	.1936	.1660	.2928
46 NECK CIRCUMFERENCE	-1959	-0726	.0678	.2440	.3536	.2124	.4414	.5463	.4192	.5001	.6208	.5420	.2799	.2561	.3660
47 SHOULDER CIRCUM"CE	-2576	-0735	.1791	.2352	.4368	.2205	.5269	.6463	.5174	.6073	.7566	.6462	.3038	.2829	.3802

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
48	CHEST CIRCUMF"ENCE	-2663	-0659	.1052	.2438	.4505	.2425	.4706	.6481	.5180	.5515	.7646	.6545	.2933	.2687	.3477
49	WAIST CIRCUMF"ENCE	-3093	-1324	.0178	.2198	.4764	.1838	.4965	.6381	.4395	.4581	.8277	.6416	.2317	.2103	.2905
50	BUTTOCK CIRCUMF"CE	-2330	-0674	.1020	.2980	.4862	.3548	.6561	.7652	.4578	.5095	.9079	.7653	.3647	.3374	.4080
51	THIGH CIRCUMF"ENCE	-2761	-0852	.0376	.2017	.4297	.3115	.6216	.6828	.4195	.4583	.8393	.7240	.2381	.2195	.3488
52	LOWER THIGH CIRC.	-2185	-0374	.0623	.1954	.3811	.1883	.5042	.5432	.3309	.3947	.6571	.6571	.2502	.2427	.3610
53	CALF CIRCUMFERENCE	-2041	-0298	.1164	.2137	.3933	.2302	.4906	.5861	.3307	.4148	.6867	.7147	.3308	.3170	.4349
54	ANKLE CIRC/FERENCE	-1405	-0085	.0975	.2446	.3492	.2251	.4449	.5262	.2876	.3726	.5880	.6616	.4093	.3824	.4840
55	SCYE CIRCUMFERENCE	-1285	-0105	.0463	.2041	.3344	.1496	.3991	.4848	.3421	.4125	.5106	.4713	.2664	.2541	.2829
56	AXILLARY ARM CIRC.	-2885	-1020	.0332	.1625	.4053	.2592	.5054	.6111	.4322	.4682	.7580	.6074	.1829	.1616	.2933
57	BICEPS CIRC-FLEXED	-2863	-0822	.0250	.1560	.4046	.2294	.4980	.6001	.4484	.4859	.7366	.6126	.1877	.1725	.3362
58	ELBOW CIRC-FLEXED	-1299	-0220	.1281	.2199	.3286	.2049	.3797	.5845	.3567	.4263	.5454	.5439	.3237	.3056	.3362
59	LOWER ARM C-FLEXED	-2060	-0459	.1103	.2059	.3851	.2321	.4295	.5845	.4393	.4773	.6726	.6203	.2921	.2791	.3884
60	WRIST CIRCUMF"ENCE	-1032	-0219	.1417	.2831	.3565	.2191	.4188	.5347	.3562	.4245	.5456	.5725	.3803	.3549	.4744
61	SLEEVE INSEAM	.1951	.1254	.3020	.3528	.2057	.1770	.0180	.1950	.0068	.1349	.0856	.2354	.5040	.4586	.2687
62	SLEEVE LENGTH	.1021	.1117	.4044	.4331	.3143	.2383	.2190	.4421	.2245	.3910	.3532	.4774	.5960	.5535	.5937
63	ANTERIOR NECK LGTH		.0554	.1415	.1759	-1037	-0329	-1225	-0580	-0150	-0485	-2636	-1285	.1451	.1387	.0127
64	POSTERIOR NECK LTH	.0554		-1079	-0187	.0643	-0876	-0623	-0726	-0150	-0485	-0973	-1285	.1241	.1387	.1039
65	SHOULDER LENGTH	.1415	-1079		.2856	.0664	-0331	.1547	.4540	.1785	.6296	.0769	.3359	.3054	.3163	.1800
66	WAIST BACK	.1759	-0187	.2856		.4702	-0331	.0623	.4913	.2637	.3024	.2416	.4641	.4427	.4269	.2822
67	WAIST FRONT	-1037	.0643	.0664	.4702		.1041	.1547	.5636	.2499	.3024	.4581	.4641	.3173	.2612	.2738
68	GLUTEAL ARC	-0329	-0876	-0331	-0331	.1041		.6213	.4540	.1785	.1950	.3653	.3211	.2424	.1962	.2455
69	CROTCH LENGTH	-1225	-0623	.1547	.0623	.1547	.6213		.6875	.3226	.3504	.6327	.5188	.2309	.2079	.3026
70	VERTICAL TRUNK C.	-0580	-0726	.4540	.4913	.5636	.4540	.6875		.6296	.4790	.7220	.6775	.4321	.3970	.4255
71	INTERSCYE	-0150	-0150	.1785	.2637	.2499	.1785	.3226	.6296		.4437	.4152	.3562	.1634	.1633	.2395
72	INTERSCYE-MAXIMUM	-0485	-0485	.6296	.3024	.3024	.1950	.3504	.4790	.4437		.4903	.4847	.2771	.2672	.3131
73	BUTTOCK CIRC/SIT.	-2636	-0973	.0769	.2416	.4581	.3653	.6327	.7220	.4152	.4903		.7403	.3107	.2870	.3644
74	KNEE CIRC/SITTING	-1285	-1285	.3359	.4641	.4641	.3211	.5188	.6775	.3562	.4847	.7403		.5015	.4680	.4917
75	FOOT LENGTH	.1451	.1241	.3054	.4427	.3173	.2424	.2309	.4321	.1634	.2771	.3107	.5015		.9067	.5094
76	INSTEP LENGTH	.1387	.1387	.3163	.4269	.2612	.1962	.2079	.3970	.1633	.2672	.2870	.4680	.9067		.4527
77	FOOT BREADTH	.0127	.1039	.1800	.2822	.2738	.2455	.3026	.4255	.2395	.3131	.3644	.4917	.5094	.4527	
78	HEEL BREADTH	-0784	.0228	.1316	.2542	.2867	.2146	.3026	.4334	.2395	.2804	.3298	.4897	.4370	.3926	.5106
79	BI-MALLEOLAR BR"TH	-0843	.0912	.1897	.3346	.3213	.2837	.2557	.4295	.2163	.3069	.2637	.5129	.5939	.5168	.5004
80	MED"L MALLEOLUS HT	-0871	.0915	.1716	.3096	.2646	.2056	.2231	.3536	.1347	.2120	.2077	.3681	.3678	.2961	.3554
81	LAT"L MALLEOLUS HT	-0701	.0805	.0982	.2616	.2315	.1525	.1898	.2833	.1046	.1669	.2077	.2867	.2782	.2036	.2625
82	BALL OF FOOT CIRC.	-0294	.0622	.1906	.3131	.3201	.2895	.3058	.4660	.2688	.3331	.4274	.5482	.5025	.4520	.7467
83	HAND LENGTH	.1359	.1253	.2923	.3972	.2838	.1945	.1549	.3243	.1313	.2712	.2466	.4088	.7347	.6450	.4518
84	PALM LENGTH	.1097	.0990	.2458	.3614	.2535	.1645	.1545	.3564	.1133	.2382	.2278	.3625	.6366	.5681	.3866
85	HAND BREADTH/THUMB	.0478	.0992	.1751	.2919	.2530	.1740	.2199	.3861	.2224	.3035	.2789	.3921	.4771	.4353	.4954
86	HAND B/METACARPALE	-0365	.0855	.2007	.2753	.2480	.2150	.2226	.3215	.2382	.3150	.2994	.4407	.4784	.4491	.5579
87	THICKNESS-META III	-0348	.0354	.1179	.2004	.2138	.1575	.2399	.3941	.2250	.2735	.2977	.3373	.3004	.2803	.3549
89	FINGER DIAMETER	-0301	.0532	.1219	.2498	.2636	.1164	.2829	.2901	.2555	.2908	.3495	.3919	.3760	.3389	.4775
90	GRIP DIAM"R INSIDE	.1671	.1323	.2461	.2475	.2075	.1600	.1191	.2901	.0265	.1049	.0636	.2169	.5330	.4589	.2721
91	GRIP DIAM. OUTSIDE	.1371	.1421	.2773	.3078	.2953	.2056	.2737	.4165	.1206	.1994	.1757	.3255	.5756	.5153	.4125
92	FIST CIRCUMFERENCE	-0152	.0875	.2017	.2679	.2953	.2056	.2737	.4165	.2665	.3337	.3652	.4603	.4648	.4107	.5153
93	HEAD LENGTH	-0351	.0263	.1014	.1919	.1650	.0919	.1301	.2268	.1698	.1913	.1952	.2325	.2287	.1978	.2284

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
94 HEAD BREADTH	-1060	-0792	.0557	.0758	.1458	.0997	.1896	.2277	.1475	.1964	.2874	.2706	.1558	.1307	.1685
95 MIN FRONTAL DIAM"R	-1267	-1497	.0712	.1208	.2083	.1224	.1710	.2815	.1948	.1915	.3288	.3110	.1928	.1783	.1955
96 MAX FRONTAL DIAM"R	-1250	-1619	-0947	.1136	.2073	.1490	.1840	.3022	.2027	.1928	.3424	.3157	.2016	.1854	.2011
97 BIZYGOMATIC DIAM"R	-1132	-1117	.1080	.1720	.2543	.1796	.2841	.3897	.2736	.3144	.4304	.4103	.2601	.2330	.2962
98 BIGONIAL DIAMETER	-0358	-0700	.0868	.1443	.1972	.1524	.2041	.3068	.2191	.2278	.3002	.3052	.2256	.2091	.2422
99 BITRAGION DIAMETER	-0557	-1068	.1081	.1789	.2041	.1496	.2480	.3332	.2157	.2596	.3521	.3575	.2692	.2448	.2565
100 INTEROCULAR DIAM"R	-0091	-0397	.0273	.0575	.0830	.0484	.0362	.1033	.0734	.1010	.1134	.1410	.1133	.1014	.1433
101 BIOCULAR DIAMETER	-0176	-0182	.0694	.1563	.1441	.0851	.1824	.1941	.1343	.2172	.2096	.2214	.1970	.1739	.2355
102 INTERPUPILLARY DIS	.0043	-0364	.0753	.1369	.1342	.0303	.1389	.1846	.1027	.1694	.1777	.2031	.1874	.1712	.1953
103 NOSE LENGTH	-0794	.0660	.1536	.1354	-0600	.0867	.0289	.1165	.0722	.0972	.0556	.1265	.2190	.2008	.1351
104 NOSE BREADTH	-0515	-0025	-0147	.0762	.1302	.0658	.1377	.1683	.1378	.1421	.1619	.1781	.1552	.1327	.1964
105 NASAL ROOT BREADTH	.0509	-0397	-0168	.0734	.1084	.0081	.1203	.1003	.0798	.1491	.1297	.1407	.0784	.0735	.1456
106 NOSE PROTRUSION	.0007	.0080	.1467	.1544	.0552	.1128	.0373	.1474	.0626	.0894	.1053	.1650	.2080	.1864	.1040
107 PHILTRUM LENGTH	.0007	.0238	.0465	.0693	.0691	.0561	.0752	.0869	.0315	.0355	.0711	.0986	.0849	.0840	.1310
108 MENTON-SUBNASALE	-0206	-0215	.0789	.1364	.1038	.0661	.0674	.1307	.0870	.0945	.1161	.1560	.1599	.1510	.1797
110 LIP-LIP DISTANCE	-0014	-0838	.0742	-0167	-0282	-0296	-0429	-0436	-0685	-0355	-0586	.0347	.0859	.0796	.0636
111 LIP LENGTH	-0169	-0117	.0666	.1077	.1347	.1003	.1356	.2050	.1765	.1688	.1940	.1802	.1468	.1314	.1846
112 EAR LENGTH	-0133	-0285	-0858	.2329	.2216	.1418	.2035	.3220	.1955	.2094	.2828	.2732	.2502	.2313	.2185
113 EAR BREADTH	-0094	-0179	.0904	.1276	.1171	.0586	.0753	.1456	.0915	.1117	.1381	.1625	.1784	.1510	.1376
114 EAR LTH ABOVE TRAG	-0018	-0251	-0703	.1220	.1064	.0767	.1237	.1765	.1299	.1033	.1432	.1367	.1328	.1239	.1227
115 EAR PROTRUSION	.0606	.0162	.0368	.0843	.0229	.0331	.0612	.0729	.0160	.0014	.0220	.0528	.0590	.0481	.0797
116 HEAD HEIGHT	.0053	-0388	.0326	.1259	.1424	.0972	.1459	.1935	.1042	.1012	.1838	.1851	.1381	.1209	.1018
117 MENTON PROJECTION	-0112	-0466	.0779	.1013	.0681	.0493	.0685	.1587	.1135	.1332	.1477	.1452	.0924	.0896	.1398
118 EXT"L CANTHUS-WALL	-0445	-0238	.0380	.1389	.1244	.0372	.0897	.1789	.1142	.1249	.1448	.1744	.1659	.1360	.2058
119 NASAL ROOT TO WALL	-0218	-0579	-0804	.1802	.1651	.1100	.1518	.2345	.1438	.1674	.1910	.2380	.2145	.1843	
120 TRAGION TO WALL	.0274	-0306	-0087	.1131	.0471	.0140	.0515	.1258	.1029	.0670	.1094	.1212	.0729	.0591	.0441
121 LARYNX TO WALL	.0675	-1328	.0651	.3002	.1108	.0872	.1773	.2763	.1937	.1591	.2800	.2700	.2465	.2244	.1752
122 HEAD CIRCUMFERENCE	-1028	-0221	.1057	.2093	.2585	.1737	.2857	.3754	.2552	.3593	.4176	.4395	.2844	.2469	.3193
123 SAGITTAL ARC	-0784	-0673	.1007	.1193	.1196	.0879	.0704	.1582	.1122	.1833	.1439	.2034	.1785	.1498	.1691
124 BITRAG-CORONAL ARC	-0554	-0157	.0796	.1691	.1706	.1078	.1714	.2263	.1232	.1284	.2086	.2134	.2186	.1852	.2067
125 MINIMUM FR"TAL ARC	-1588	-0464	.0428	.1038	.1219	.0592	.1191	.1281	.1043	.2045	.1774	.1719	.1096	.1156	.1544
126 BIT-MIN-FR"TAL ARC	-0504	-0251	.1151	.1938	.2336	.1528	.2450	.3283	.2181	.2795	.3430	.3611	.2731	.2317	.2878
128 BITRAG-MENTON ARC	-1509	.0112	.1806	.2516	.3147	.2111	.3182	.4617	.3166	.4090	.4727	.3690	.3543	.3279	.3640
129 BIT-SUBMANDIB. ARC	-1527	-0739	.1198	.2361	.3267	.2012	.3538	.4772	.3591	.4588	.5222	.5061	.2807	.2686	.2873
130 BIT-SUBNASALE ARC	-1392	-0229	.1251	.2058	.2976	.1885	.3351	.4258	.2966	.3634	.4537	.4599	.3035	.2771	.3487
131 POSTERIOR ARC	-1045	-0613	.0886	.2565	.2958	.1760	.3781	.4600	.3054	.3653	.4753	.4254	.2433	.2233	.2923
132 BITRAG-INION ARC	-0252	-0567	.0543	.1694	.1544	.0551	.2139	.2075	.1354	.1971	.2011	.2158	.1540	.1373	.2000
133 AGE	-0401	-0994	-0637	.0282	.1159	.0943	.0886	.1634	.1510	.0928	.1918	.0499	-0375	-0348	-0493

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
1	WEIGHT	.5332	.4639	.3532	.2766	.5452	.3816	.3387	.4027	.4333	.3852	.4545	.1670	.3043	.5030	.2756
2	HEIGHT (STATURE)	.3162	.4981	.4615	.4319	.4159	.6578	.5680	.4033	.4114	.2677	.2956	.4833	.5154	.3869	.2593
3	NASAL ROOT HEIGHT	.3100	.4971	.4550	.4222	.4092	.6535	.5600	.3916	.4092	.2610	.2893	.4856	.5101	.3838	.2344
4	EYE HEIGHT	.3120	.4980	.4554	.4268	.4101	.6548	.5616	.3934	.4103	.2637	.2897	.4868	.5120	.3853	.2380
5	TRAGION HEIGHT	.3102	.4981	.4575	.4268	.4101	.6552	.5646	.3957	.4082	.2686	.2931	.4811	.5127	.3848	.2370
6	CERVICALE HEIGHT	.3153	.4891	.4540	.4364	.4142	.6549	.5700	.3975	.4036	.2701	.2906	.4680	.4984	.3774	.2370
7	SHOULDER HEIGHT	.3205	.4783	.4536	.4340	.4116	.6413	.5546	.3944	.4057	.2756	.2930	.4570	.4882	.3743	.2356
8	SUPRASTERNALE HT	.3283	.4955	.4549	.4362	.4262	.6529	.5653	.4029	.4111	.2765	.3034	.4672	.5033	.3965	.2376
9	NIPPLE HEIGHT	.2806	.4542	.4346	.4203	.3841	.6311	.5421	.3710	.3770	.2530	.2517	.4650	.4841	.3538	.2189
11	ELBOW HEIGHT	.3090	.4711	.4531	.4297	.4087	.5973	.5186	.3778	.3888	.2721	.2802	.4115	.4488	.3610	.2321
12	WAIST HEIGHT	.2557	.4312	.4062	.4209	.3508	.6105	.5296	.3469	.3505	.2327	.2220	.4508	.4591	.3201	.1920
14	WRIST HEIGHT	.2529	.4212	.4401	.4334	.3705	.4977	.4407	.3185	.3178	.2311	.2441	.3309	.3660	.3009	.2169
15	CROTCH HEIGHT	.2403	.4077	.3534	.3540	.2998	.5991	.4992	.2899	.3263	.1834	.1692	.4846	.4660	.2835	.1862
16	GLUTEAL FURROW HT	.2388	.3763	.3745	.4077	.3187	.6154	.5306	.3218	.3189	.2026	.1890	.4698	.4554	.2944	.1874
17	KNUCKLE HEIGHT	.2343	.3976	.4055	.4000	.3551	.4408	.3886	.2935	.2954	.2268	.2191	.2895	.3259	.2794	.2123
18	KNEECAP HEIGHT	.2640	.4065	.4217	.4556	.3738	.6263	.5514	.3673	.3550	.2459	.2449	.4393	.4585	.3476	.2081
19	SITTING HEIGHT	.2784	.4458	.3889	.2847	.3563	.4534	.3879	.3377	.3662	.2396	.3161	.3179	.3840	.3378	.2365
20	EYE HT/SITTING	.2599	.4277	.3635	.2502	.3231	.4254	.3618	.3027	.3376	.2156	.2855	.3036	.3629	.3214	.1917
21	SHOULDER HT/SITT"G	.2681	.3931	.3549	.2514	.3207	.3895	.3350	.3034	.3422	.2371	.2974	.2512	.3146	.3214	.1902
22	WAIST HT/SITTING	.0638	.2014	.1614	.0964	.1007	.1285	.0966	.0977	.1407	.0904	.1162	.0982	.1137	.0978	.0436
23	ELBOW REST HT/SIT	.1072	.1785	.1552	.0449	.1338	.0471	.0256	.0961	.1410	.0938	.1365	.0093	.0491	.1060	.0884
24	THIGH CLEARANCE HT	.3381	.2456	.2074	.1651	.3510	.1387	.1301	.2123	.2330	.2417	.2812	.0046	.0985	.2920	.1576
25	KNEE HT/SITTING	.3601	.4932	.4733	.4695	.4527	.6677	.5762	.4048	.4151	.2805	.2988	.4863	.5153	.4088	.2444
26	POPLITEAL HT/SIT	.2401	.3968	.3818	.3905	.3905	.5993	.4985	.3019	.3273	.1895	.1848	.4811	.4679	.3601	.1992
27	BUTTOCK-KNEE LNGTH	.3413	.4281	.3547	.3655	.4122	.5550	.4880	.3474	.3604	.2584	.2595	.3873	.4224	.3562	.2124
28	BUTTOCK-LEG LENGTH	.2978	.3802	.3718	.3948	.3705	.5763	.5100	.3400	.3319	.2335	.2324	.4134	.4385	.3277	.2054
29	SHOULDER-ELBOW LTH	.2857	.3870	.3482	.3311	.3322	.5720	.4982	.3423	.3532	.2395	.2768	.4100	.4327	.3228	.1824
30	FOREARM-HAND LNGTH	.3307	.4759	.4195	.3845	.4121	.8043	.6876	.4810	.4936	.3260	.3710	.5622	.5870	.4581	.2300
31	SPAN	.3420	.4862	.3983	.3661	.4027	.7442	.6358	.4463	.4570	.2969	.3310	.5481	.5732	.4348	.2226
32	ARM REACH FR. WALL	.2867	.3892	.3229	.3012	.3427	.6122	.5281	.3564	.3719	.2688	.2969	.4294	.4641	.3753	.1847
33	MAXIMUM REACH/WALL	.3162	.4677	.3310	.3139	.3449	.5924	.5070	.3376	.3614	.2431	.2912	.4439	.4721	.3643	.2084
34	FUNCTIONAL REACH	.2563	.3755	.3176	.2986	.3294	.5601	.4888	.3346	.3431	.2501	.2676	.3950	.4266	.3435	.1758
35	ELBOW-ELBOW BRDTH	.4057	.2987	.2054	.1465	.3782	.1721	.1626	.2707	.3090	.3188	.3724	-.0078	.1083	.3759	.2042
36	HIP BREADTH/SIT"NG	.4266	.3483	.3052	.2400	.4442	.2572	.2426	.2905	.3014	.2849	.3369	.0784	.1841	.3601	.1839
37	KNEE-KNEE BRTH/SIT	.4390	.5097	.4066	.2766	.5215	.2945	.2764	.3583	.3855	.3390	.4098	.0963	.2172	.4202	.2042
38	BIACROMIAL DIAM"R	.2812	.3796	.2562	.1866	.3269	.3730	.3209	.2831	.3333	.2405	.2507	.2507	.3107	.3469	.1891
39	SHOULDER BREADTH	.4187	.3675	.2855	.2198	.4358	.2902	.2635	.3483	.3782	.3434	.3985	.1123	.2424	.4413	.2307
40	CHEST BREADTH	.4107	.3310	.2223	.1751	.3851	.2444	.2198	.3017	.3353	.2963	.3437	.0874	.1951	.3915	.2370
41	WAIST BREADTH	.4023	.2582	.2085	.2025	.3852	.2345	.2331	.2801	.2767	.2848	.3452	.0394	.1893	.3452	.1851
42	HIP BREADTH	.4383	.4534	.3627	.2626	.4508	.3789	.3378	.3423	.3649	.3050	.3663	.1893	.2853	.3947	.1889
43	CHEST DEPTH	.3790	.2522	.1829	.1420	.3337	.1872	.1775	.2504	.2556	.2504	.3026	-.0304	.1290	.3403	.1372
44	WAIST DEPTH	.3769	.2134	.1592	.1348	.3248	.1422	.1377	.2031	.2096	.2549	.3062	-.0047	.1009	.2893	.1576
45	BUTTOCK DEPTH	.3672	.2224	.1959	.1576	.3752	.1367	.1456	.2141	.2153	.2513	.3060	-.0237	.0901	.2996	.1692
46	NECK CIRCUMFERENCE	.3748	.3014	.2118	.1570	.1836	.2541	.2358	.3488	.3590	.3334	.3831	-.0576	.1864	.4097	.2439
47	SHOULDER CIRCUM"CE	.4148	.3248	.2507	.1967	.4165	.2719	.2526	.3522	.3607	.3468	.3928	.0771	.2015	.4348	.2212

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR JSAF FLYING PERSONNEL--1950

		78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
48	CHEST CIRCUMF"ENCE	.4555	.3340	.2046	.1483	.4220	.2450	.2151	.3174	.3466	.3165	.3602	.0850	.2069	.4187	.2285
49	WAIST CIRCUMF"ENCE	.4172	.2502	.1800	.1526	.3573	.1871	.1710	.2314	.2574	.2696	.3249	.0276	.1318	.3317	.1790
50	BUTTOCK CIRCUMF"CE	.4708	.3816	.3126	.2375	.4592	.2759	.2554	.3102	.3299	.3173	.3787	.0878	.2101	.4005	.2113
51	THIGH CIRCUMF"ENCE	.4412	.3017	.2361	.1771	.4127	.1674	.1647	.2595	.2783	.2800	.3236	.0116	.1319	.3538	.1762
52	LOWER THIGH CIRC.	.3715	.3103	.2354	.1777	.3645	.1807	.1925	.2834	.2909	.2883	.3306	.0015	.1306	.3413	.1536
53	CALF CIRCUMFERENCE	.4403	.4200	.2900	.1881	.4855	.2321	.2160	.3238	.3492	.3038	.3577	.0678	.1996	.4068	.1857
54	ANKLE CIRCUMF"ENCE	.4458	.5048	.3725	.2535	.5258	.2869	.2709	.3725	.4025	.3164	.3692	.1174	.2543	.4242	.2006
55	SCYE CIRCUMFERENCE	.3115	.2769	.2365	.1868	.2667	.2416	.2236	.3001	.3153	.2708	.3393	-.0675	.1828	.3634	.1681
56	AXILLARY ARM CIRC.	.3933	.2570	.1849	.1249	.4052	.1516	.1399	.2718	.3019	.2969	.3607	-.0120	.1338	.3895	.1578
57	BICEPS CIRC-FLEXED	.3707	.2689	.1813	.1510	.4096	.1510	.1464	.3110	.3433	.3421	.3998	-.0119	.1333	.4342	.1703
58	ELBOW CIRC-FLEXED	.3950	.3714	.2589	.1812	.4290	.3191	.2717	.3841	.4336	.3733	.4384	-.1127	.2712	.4993	.1893
59	LOWER ARM C-FLEXED	.4408	.3946	.2358	.1354	.4643	.2739	.2266	.4098	.4774	.4124	.4775	.0759	.2353	.5383	.2014
60	WRIST CIRCUMF"ENCE	.4454	.4899	.3643	.2455	.5165	.3745	.3298	.5025	.5404	.4615	.5717	.1336	.3125	.5799	.2088
61	SLEEVE INSEAM	.1693	.3138	.2641	.2643	.2879	.5138	.4377	.2699	.2745	.3049	.3226	.3018	.2587	.2953	.1383
62	SLEEVE LENGTH	.3382	.4423	.3609	.3259	.4227	.5884	.5142	.4090	.4179	.3226	.3226	.4018	.4539	.4265	.2172
63	ANTERIOR NECK LGTH	-.0784	.0843	.0871	.0701	-.0294	.1359	.1097	.0478	.0365	-.0348	-.0301	.1671	.1371	-.0152	-.0351
64	POSTERIOR NECK LTH	.0228	.0912	.0915	.0805	.0622	.1253	.0990	.0992	.0855	.0354	.0532	.1323	.1421	.0875	.0263
65	SHOULDER LENGTH	.1316	.1897	.1716	.0982	.1906	.2923	.2458	.1751	.2007	.1179	.1219	.2461	.2773	.2679	.1014
66	WAIST BACK	.2867	.3346	.3096	.2315	.3131	.3972	.3614	.2919	.2753	.2138	.2498	.2475	.2075	.2953	.1919
67	WAIST FRONT	.2542	.3213	.2646	.3201	.3201	.2838	.2535	.2530	.2480	.1575	.2636	.1363	.1600	.2056	.1650
68	GLUTEAL ARC	.2146	.2837	.2056	.2895	.2895	.1945	.1645	.1740	.2150	.2399	.2135	.1164	.1191	.2056	.0919
69	CROTCH LENGTH	.3128	.2557	.2231	.1525	.3058	.1649	.1545	.2199	.2226	.2399	.2829	.0283	.1206	.2737	.1301
70	VERTICAL TRUNK C.	.4334	.4295	.3536	.1898	.4660	.3672	.3243	.3564	.3861	.3215	.3941	.1764	.2901	.2665	.2268
71	INTERSCYE	.2563	.2163	.1347	.1046	.2688	.1312	.1133	.2224	.2382	.2250	.2908	.1049	.1994	.2665	.1698
72	INTERSCYE-MAXIMUM	.2804	.3069	.2637	.1669	.3331	.2712	.2382	.3035	.3150	.2735	.2908	.1045	.1994	.3337	.1913
73	BUTTOCK CIRC/SIT.	.4342	.3298	.2637	.2077	.4274	.2466	.2278	.2789	.2994	.2977	.3495	.0636	.1757	.3652	.1952
74	KNEE CIRC/SITTING	.4897	.5129	.3681	.2867	.5482	.4088	.3525	.3921	.4407	.3373	.3919	.2169	.3255	.4603	.2325
75	FOOT LENGTH	.4370	.5939	.3678	.2782	.5025	.7347	.6366	.4771	.4784	.3004	.3760	.5330	.5756	.4648	.2287
76	INSTEP LENGTH	.3926	.5168	.2961	.2036	.4520	.6450	.5681	.4353	.4491	.3389	.3760	.4589	.4589	.4107	.1978
77	FOOT BREADTH	.5106	.5004	.3554	.2625	.7467	.4518	.3866	.4954	.5579	.3549	.4775	.2721	.4125	.5153	.2284
78	HEEL BREADTH		.4582	.2398	.1238	.5241	.3668	.3432	.3948	.4332	.3089	.4383	.3016	.3531	.4691	.2509
79	BI-MALLEOLAR BR"TH	.4582		.4241	.2117	.5280	.4723	.4069	.4176	.4982	.3374	.4205	.3016	.4141	.4840	.1963
80	MED"L MALLEOLUS HT	.2398	.4241		.6883	.2892	.3295	.3153	.2111	.1725	.1592	.2165	.1529	.2697	.2089	.1730
81	LAT"L MALLEOLUS HT	.1238	.2117	.6883		.2892	.3295	.3573	.2111	.1725	.1592	.2165	.2369	.1935	.2089	.1266
82	BALL OF FOOT CIRC.	.5241	.5280	.2892	.2892		.4196	.8590	.4843	.5521	.3746	.4987	.2369	.3813	.5418	.2321
83	HAND LENGTH	.3668	.4723	.3295	.3295	.4196		.8690	.5268	.5315	.2849	.4077	.6294	.6581	.5024	.2320
84	PALM LENGTH	.3432	.4069	.3153	.3573	.8590	.8690		.4970	.5204	.1910	.3332	.4849	.5204	.4032	.1862
85	HAND BREADTH/THUMB	.3948	.4176	.2111	.2111	.4843	.5268	.4970		.7233	.4322	.4851	.3353	.4658	.6162	.2238
86	HAND B/METACARPALE	.4332	.4982	.1725	.1725	.5521	.5315	.5204	.7233		.4404	.5672	.3057	.4605	.6719	.2307
87	THICKNESS-META III	.3089	.3374	.1592	.1592	.3746	.2849	.1910	.4322	.4404		.4640	.1022	.3145	.4784	.1621
89	FINGER DIAM"TER	.4383	.4205	.2165	.2165	.4987	.4077	.3332	.4851	.5672	.4640		.1428	.3316	.5990	.2032
90	GRIP DIAM"R INSIDE	.2127	.3016	.1529	.2369	.2369	.6294	.4849	.3353	.3057	.1022	.1428		.7567	.2954	.1443
91	GRIP DIAM. OUTSIDE	.3531	.4141	.2697	.1935	.3813	.6581	.5204	.4658	.4605	.3145	.3316	.7567		.4927	.1912
92	FIST CIRCUMFERENCE	.4691	.4840	.2089	.2089	.5418	.5024	.4032	.6162	.6719	.4784	.5990	.2954	.4927		.2338
93	HEAD LENGTH	.2509	.1963	.1730	.1266	.2321	.2320	.1862	.2238	.2307	.1621	.2032	.1443	.1912	.2338	

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	78	79	80	81	82	83	84	85	86	87	89	90	91	92	93
94 HEAD BREADTH	.1962	.1842	.0770	.0504	.1826	.1199	.1016	.1131	.1643	.0844	.1296	.0531	.0952	.1573	.1202
95 MIN FRONTAL DIAM"R	.2265	.2169	.1002	.0332	.2276	.1617	.1168	.1390	.2033	.1220	.1754	.1001	.1400	.2172	.1868
96 MAX FRONTAL DIAM"R	.2517	.2332	.1051	.0239	.2360	.1513	.1117	.1449	.2241	.1385	.1876	.1081	.1510	.2303	.1814
97 BIZYGOMATIC DIAM"R	.3146	.2900	.1739	.1008	.3300	.2199	.1802	.2269	.2926	.2176	.2722	.1009	.1822	.2935	.2096
98 BIGONIAL DIAMETER	.2651	.2413	.1570	.0964	.2745	.1923	.1572	.2068	.2546	.2036	.2271	.0845	.1496	.2387	.1702
99 BITRAGION DIAMETER	.2645	.2561	.1993	.1368	.2794	.2307	.2164	.2097	.2512	.1827	.2359	.1002	.1586	.2366	.1747
100 INTEROCULAR DIAM"R	.1291	.1084	.0427	.0314	.1407	.0817	.0700	.1039	.1124	.0752	.1195	.0548	.0890	.1320	.1901
101 BIOCULAR DIAMETER	.1771	.1660	.1289	.1342	.2277	.1662	.1710	.0542	.0877	.1026	.1946	.0675	.1343	.1929	.2292
102 INTERPUPILLARY DIS	.1582	.1328	.1214	.0825	.2022	.1930	.1623	.3294	.2578	.1291	.1546	.0898	.1343	.1737	.2283
103 NOSE LENGTH	.1270	.1778	.1414	.0711	.1074	.2028	.1510	.1982	.1972	.1054	.1329	.1563	.1518	.1362	.1077
104 NOSE BREADTH	.1974	.1473	.1054	.0826	.2093	.1539	.1257	.2624	.2168	.1639	.2061	.0617	.1181	.2119	.1494
105 NASAL ROOT BREADTH	.0584	.0815	.0774	.0928	.1468	.0485	.0504	.0676	.0509	.1044	.1225	-.0181	.0294	.1209	.1114
106 NOSE PROTRUSION	.1211	.1811	.1261	.0481	.1134	.1907	.1271	.2096	.2232	.0989	.1073	.1491	.1518	.1290	.0988
107 PHILTRUM LENGTH	.0989	.0523	.0710	.0700	.1232	.1271	.0902	.3310	.2285	.0990	.0975	.0656	.0893	.1135	.1280
108 MENTON-SUBNASALE	.1479	.1169	.1060	.0838	.1647	.1861	.1253	.3388	.2698	.1231	.1330	.1099	.1428	.1620	.1998
110 LIP-LIP DISTANCE	.0112	.0155	.0139	.0470	.0484	.0943	.0767	.0777	.0585	-.0151	-.0105	.0884	.0663	.0357	.0637
111 LIP LENGTH	.2059	.1691	.1037	.0532	.1914	.1557	.1393	.1538	.1990	.1441	.2354	.0713	.1373	.2234	.1425
112 EAR LENGTH	.2535	.2065	.1756	.1252	.2151	.2320	.1980	.2701	.2526	.1919	.2467	.1218	.1859	.2442	.1687
113 EAR BREADTH	.1461	.1444	.1273	.1078	.1315	.1676	.1535	.1598	.1471	.0831	.1341	.1094	.1494	.1411	.1124
114 EAR LTH ABOVE TRAG	.1350	.1031	.1045	.0768	.1201	.1192	.0886	.2571	.1898	.1512	.1456	.0570	.0972	.1290	.1093
115 EAR PROTRUSION	.0559	.0539	.0444	.0235	.0697	.0720	.0615	.1770	.1327	.0863	.0817	.0137	.0549	.0914	.0255
116 HEAD HEIGHT	.1695	.1082	.1002	.0990	.1281	.1152	.0936	.1134	.1101	.0697	.0896	.0957	.1283	.1059	.2066
117 MENTON PROJECTION	.0807	.0806	.0591	.0410	.1091	.1155	.1003	.2108	.1813	.0807	.0710	.0396	.0760	.1193	.1480
118 EXT"L CANTHUS-WALL	.1783	.1237	.1249	.0769	.1510	.1579	.1351	.1438	.1468	.0952	.1101	.1047	.1340	.1490	.6029
119 NASAL ROOT TO WALL	.2069	.1827	.1869	.1390	.2220	.2050	.1773	.2190	.2054	.1505	.1736	.1308	.1794	.1993	.6833
120 TRAGION TO WALL	.0898	.0498	.0832	.0460	.0604	.0623	.0587	.0725	.0667	.0332	.0473	.0525	.0620	.0570	.3962
121 LARYNX TO WALL	.2153	.1792	.1713	.1147	.2045	.2033	.1900	.1876	.1808	.1387	.1951	.0945	.1384	.1806	.2186
122 HEAD CIRCUMFERENCE	.3393	.2523	.1911	.1647	.3421	.2643	.2241	.2663	.2834	.2071	.2646	.1466	.2236	.3115	.6855
123 SAGITTAL ARC	.1846	.1810	.1139	.0635	.1674	.1750	.1310	.1332	.1705	.0762	.1431	.1443	.1600	.1554	.5617
124 BITRAG-CORONAL ARC	.2042	.1753	.1352	.1280	.1995	.1845	.1642	.1643	.1669	.0975	.1400	.1150	.1589	.1825	.2889
125 MINIMUM FR"TAL ARC	.1181	.0900	.0542	.0507	.1518	.1272	.1165	.1001	.1084	.0928	.0997	.0267	.0617	.1258	.1665
126 BIT-MIN-FR"TAL ARC	.3038	.2557	.1805	.1429	.3052	.2673	.2155	.2457	.2686	.1912	.2510	.1589	.2350	.2911	.4888
128 BITRAG-MENTON ARC	.3813	.3340	.2566	.1898	.4025	.3286	.2923	.3329	.3683	.2904	.3655	.1452	.2518	.3907	.3537
129 BIT-SUBMANDIBULAR	.3407	.2755	.2024	.1506	.3507	.2394	.2061	.2602	.2958	.2612	.3192	.0899	.1877	.3161	.2500
130 BIT-SUBNASALE ARC	.3446	.2941	.2405	.1834	.3807	.2780	.2425	.2948	.3151	.2663	.3219	.1114	.2103	.3437	.3789
131 POSTERIOR ARC	.3119	.2431	.2369	.1971	.3199	.2129	.2155	.2786	.2660	.2530	.3161	.0423	.1489	.3048	.3084
132 BITRAG-INION ARC	.1558	.1201	.1568	.1710	.1993	.1388	.1521	.2095	.1554	.1604	.2046	.0089	.0759	.1996	.3814
133 AGE	.1018	.0325	-.0161	-.0378	-.0197	.0032	-.0034	.0197	.0496	.0362	.1550	-.0371	-.0070	.0901	.0472

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
1	HEIGHT	.3211	.3778	.3963	.4953	.3659	.4070	.1387	.2429	.2085	.1034	.2129	.1425	.1223	.1055	.1532
2	HEIGHT (STATURE)	.1140	.1700	.1776	.2216	.2021	.2329	.0562	.1628	.1765	.2129	.0787	.0338	.2300	.0992	
3	NASAL ROOT HEIGHT	.1092	.1833	.1927	.2289	.2079	.2371	.0644	.1481	.1659	.2314	.0678	.0239	.2393	.0980	.1803
4	EYE HEIGHT	.1093	.1825	.1928	.2295	.2087	.2378	.0568	.1497	.1682	.2245	.0699	.0232	.2365	.0968	.1872
5	TRAGION HEIGHT	.0910	.1624	.1749	.2136	.2012	.2292	.0527	.1437	.1602	.2159	.0693	.0176	.2312	.0866	.1850
6	CERVICALE HEIGHT	.1107	.1723	.1782	.2296	.1991	.2443	.0633	.1640	.1774	.1954	.0788	.0412	.2297	.0918	.1650
7	SHOULDER HEIGHT	.1119	.1767	.1858	.2377	.2099	.2479	.0655	.1484	.1749	.1936	.0804	.0230	.2205	.0909	.1661
8	SUPRASTERNALE HT	.1226	.1836	.1917	.2405	.2113	.2479	.0662	.1642	.1761	.1960	.0898	.0385	.2213	.0875	.1635
9	NIPPLE HEIGHT	.0942	.1658	.1729	.2128	.1840	.2259	.0601	.1397	.1614	.1926	.0644	.0199	.2194	.0716	.1493
11	ELBOW HEIGHT	.1160	.1788	.1888	.2360	.2025	.2364	.0655	.1405	.1675	.1778	.0787	.0328	.2011	.0921	.1629
12	WAIST HEIGHT	.0806	.1181	.1277	.1778	.1634	.1946	.0468	.1407	.1518	.1753	.0511	.0216	.1951	.0745	.1318
14	WRIST HEIGHT	.1052	.1494	.1581	.2097	.1782	.2166	.0594	.1438	.1513	.1566	.0704	.0569	.1617	.0869	.1420
15	CROTCH HEIGHT	.0597	.1666	.1737	.1493	.1412	.1611	.0271	.0420	.0932	.1942	.0061	-.0660	.2598	.0418	.1309
16	GLUTEAL FURROW HT	.0577	.1414	.1423	.1646	.1454	.1805	.0375	.1080	.1335	.1533	.0412	.0029	.1993	.0663	.1364
17	KNUCKLE HEIGHT	.1005	.1473	.1545	.2043	.1703	.2098	.0505	.1362	.1499	.1363	.0688	.0651	.1537	.0783	.1344
18	KNEECAP HEIGHT	.0957	.1291	.1274	.1846	.1760	.2040	.0737	.1715	.1622	.1427	.0808	.0685	.1628	.0935	.1471
19	SITTING HEIGHT	.1119	.1579	.1863	.2205	.1949	.2048	.0732	.1282	.1538	.1949	.0740	.0162	.1812	.1011	.1809
20	EYE HT/SITTING	.1014	.1711	.2030	.2261	.1931	.2018	.0530	.0991	.1264	.2080	.0563	.0036	.1735	.0894	.1804
21	SHOULDER HT/SITT"G	.1017	.1676	.1967	.2277	.1939	.2037	.0731	.0885	.1378	.1476	-.0674	-.0002	.1664	.0747	.1347
22	WAIST HT/SITTING	.0251	.0291	.0696	.0848	.0568	.0665	.0333	.0199	.0543	.0777	-.0058	-.0265	.0812	.0231	.0359
23	ELBOW REST HT/SIT	.0462	.1092	.1382	.1175	.0911	.0845	.0483	-.0042	.0459	.0476	.0168	-.0137	.0733	.0290	.0546
24	THIGH CLEARANCE HT	.2394	.2804	.2989	.3711	.2698	.2936	.1125	.1502	.1502	.0249	.1449	.1102	.0398	.0704	.0946
25	KNEE HT/SITTING	.1387	.2168	.2209	.2545	.2198	.2561	.0853	.1772	.1708	.1760	.0970	.0670	.2142	.0805	.1672
26	POPLITEAL HT/SIT	.0874	.1865	.1975	.1769	.1557	.1882	.0518	.0893	.1127	.1829	.0290	-.0282	.2327	.0511	.1372
27	BUTTOCK-KNEE LNGTH	.1368	.1990	.1960	.2579	.2238	.2439	.0597	.1632	.1629	.1520	.0811	.0462	.1893	.0760	.1325
28	BUTTOCK-LEG LENGTH	.1098	.1429	.1401	.2024	.1889	.2136	.0521	.1587	.1562	.1522	.0851	.0850	.1514	.0807	.1336
29	SHOULDER-ELBOW LTH	.0836	.1181	.1240	.1961	.1906	.1995	.0586	.1501	.1534	.1626	.0802	.0048	.1819	.0679	.1274
30	FOREARM-HAND LNGTH	.1055	.1456	.1507	.2203	.2076	.2267	.0805	.1844	.1727	.1856	.1213	.0676	.1961	.0817	.1469
31	SPAN	.1320	.1682	.1797	.2443	.2162	.2438	.0775	.1789	.1706	.2185	.1005	.0309	.2164	.0674	.1468
32	ARM REACH FR. WALL	.0913	.1431	.1425	.1958	.1867	.1870	.0638	.1591	.1382	.1613	.0812	-.0717	.1398	.0446	.1149
33	MAXIMUM REACH/WALL	.0996	.1534	.1652	.2007	.1941	.1812	.0795	.1376	.1462	.1729	.0818	-.0018	.1633	.0593	.1171
34	FUNCTIONAL REACH	.0934	.1419	.1356	.1864	.1778	.1841	.0702	.1657	.1419	.1459	.0754	.0904	.1291	.0335	.1093
35	ELBOW-ELBOW BRDTH	.2842	.3086	.3275	.4331	.3114	.3343	.1087	.1780	.1419	.0692	.1756	.1059	.0478	.0767	.0934
36	HIP BREADTH/SIT"NG	.2930	.2946	.3085	.4158	.2868	.3446	.1145	.2243	.1762	.0587	.1603	.1344	.0682	.0762	.1104
37	KNEE-KNEE BRT4/SIT	.2483	.2627	.2646	.3782	.2745	.3324	.1345	.2449	.1825	.0903	.1767	.1755	.0746	.0945	.1295
38	BIACROMIAL DIAM"R	.2069	.2538	.2765	.3097	.2450	.2828	.1090	.1800	.1445	.1652	.1170	.0978	.1863	.0000	.0857
39	SHOULDER BREADTH	.2894	.3141	.3384	.4438	.3316	.3636	.1501	.2487	.1849	.1058	.2004	.1445	.0929	.0608	.1028
40	CHEST BREADTH	.2714	.3085	.3249	.4212	.3032	.3292	.1354	.2132	.1700	.1079	.1590	.1279	.0852	.0821	.1208
41	WAIST BREADTH	.2768	.2508	.2501	.3993	.2877	.3224	.1083	.2314	.1682	.0378	.1663	.1626	.0253	.0871	.0960
42	HIP BREADTH	.2708	.2918	.3072	.4072	.3096	.3411	.1196	.2158	.1986	.1353	.1410	.1070	.1440	.0645	.1085
43	CHEST DEPTH	.2177	.2688	.2840	.3632	.2840	.2922	.0959	.1665	.1434	.0276	.1678	.1034	.0281	.0759	.0687
44	WAIST DEPTH	.2241	.2590	.2609	.3517	.2644	.2727	.0822	.1537	.1304	.0107	.1415	.1186	.0118	.0759	.0780
45	BUTTOCK DEPTH	.2284	.2374	.2419	.3507	.2533	.2745	.1095	.2038	.1382	-.0150	.1587	.1617	-.0125	.0823	.0811
46	NECK CIRCUMFERENCE	.3183	.3196	.3298	.4398	.3223	.3734	.1853	.2917	.2005	.0520	.2614	.2361	-.0498	.0984	.1375
47	SHOULDER CIRCUM"CE	.2980	.3258	.3441	.4501	.3234	.3695	.1401	.2504	.1879	.0750	.2160	.1683	.0645	.0696	.1117

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
48 CHEST CIRCUMF"ENCE	.2961	.3429	.3776	.4625	.3399	.3627	.1144	.1901	.1685	.1103	.1816	.0763	.0935	.0820	.1127
49 WAIST CIRCUMF"ENCE	.2771	.3180	.3288	.4167	.2997	.3235	.0942	.1681	.1472	.0367	.1416	.1186	.0645	.0582	.0870
50 BUTTOCK CIRCUMF"CE	.2846	.3314	.3463	.4368	.3142	.3517	.1238	.2297	.1791	.0655	.1772	.1467	.0913	.0735	.1175
51 THIGH CIRCUMF"ENCE	.2726	.3074	.3189	.3949	.2757	.3135	.1152	.1884	.1502	.0330	.1655	.1245	.0497	.0684	.0911
52 LOWER THIGH CIRC.	.2218	.2336	.2441	.3338	.2428	.2706	.1193	.2116	.1532	-.0004	.1883	.1543	.0233	.1065	.1165
53 CALF CIRCUMFERENCE	.2549	.2921	.3028	.3791	.2704	.3117	.1314	.2003	.1603	.0431	.1813	.1543	.0711	.0758	.1147
54 ANKLE CIRCUMF"ENCE	.2224	.2616	.2603	.3347	.2737	.2858	.1422	.2232	.1852	.0559	.1927	.2011	.0939	.0938	.1370
55 SCYE CIRCUMFERENCE	.1925	.1982	.2100	.3023	.2244	.2438	.0898	.1400	.1253	.0840	.1694	.0912	.0490	.0845	.0995
56 AXILLARY ARM CIRC.	.2646	.3091	.3356	.3023	.2915	.3045	.0980	.1573	.1221	.0362	.1786	.1008	.0428	.0594	.0744
57 BICEPS CIRC-FLEXED	.2687	.3025	.3216	.4039	.2976	.3023	.1120	.1900	.1400	.0241	.2039	.1307	.0097	.0753	.0866
58 ELBOW CIRC-FLEXED	.1930	.2475	.2633	.3334	.2699	.2590	.0981	.1774	.1293	.0850	.1893	.1269	.0775	.0785	.1066
59 LOWER ARM C-FLEXED	.2648	.3458	.3684	.4233	.3255	.3316	.1296	.1630	.1464	.0760	.2162	.1103	.0987	.0710	.1091
60 WRIST CIRCUMF"ENCE	.1931	.2399	.2481	.3529	.2886	.2934	.1416	.2186	.1689	.0831	.2344	.1833	.0890	.1041	.1299
61 SLEEVE INSEAM	.0169	.0631	.0644	.0932	.0989	.1678	.0297	.0953	.1026	.1256	.0249	-.0096	.1478	.0357	.0979
62 SLEEVE LENGTH	.1509	.1915	.2065	.2856	.2273	.2678	.0860	.1931	.1774	.1853	.1042	.0493	.1924	.0625	.1283
63 ANTERIOR NECK LGTH	-.1060	-.1267	-.1250	-.1132	-.0358	-.0657	-.0091	-.0176	-.0043	.0794	-.0515	-.0509	.0590	.0007	-.0206
64 POSTERIOR NECK LTH	-.0792	-.1497	-.1619	-.1117	-.0700	-.1068	-.0397	-.0182	-.0364	.0660	-.0025	-.0397	.0080	.0238	.0215
65 SHOULDER LENGTH	.0557	.0712	.0947	.1080	.0868	.1081	.0273	.0694	.0753	.1536	-.0147	-.0168	.1467	.0465	.0789
66 WAIST BACK	.0758	.1208	.1136	.1720	.1443	.1789	.0575	.1563	.1369	.1354	.0762	.0734	.1544	.0691	.1364
67 WAIST FRONT	.1458	.2083	.2073	.2543	.1972	.2041	.0830	.1441	.1342	.0600	.1302	.1084	.0552	.0693	.1038
68 GLUTEAL ARC	.0997	.1224	.1490	.1796	.1524	.1496	.0484	.0851	.0903	.0867	.0658	.0081	.1128	.0561	.0661
69 CROTCH LENGTH	.1896	.1710	.1840	.2841	.2041	.2480	.0962	.1824	.1389	.0289	.1377	.1203	.0373	.0762	.0674
70 VERTICAL TRUNK C.	.2277	.2815	.3022	.3897	.3068	.3332	.1033	.1941	.1846	.1165	.1683	.1003	.1474	.0869	.1307
71 INTERSCYE	.1475	.1948	.2027	.2736	.2191	.2157	.0734	.1343	.1027	.0722	.1378	.0798	.0626	.0315	.0870
72 INTERSCYE-MAXIMUM	.1964	.1915	.1928	.3144	.2278	.2596	.1010	.2172	.1694	.0972	.1421	.1491	.0894	.0711	.0945
73 BUTTOCK CIRC/SIT.	.2874	.3288	.3424	.4304	.3002	.3521	.1134	.2096	.1777	.0556	.1619	.1297	.1053	.0315	.1161
74 KNEE CIRC/SITTING	.2706	.3110	.3157	.4103	.3052	.3575	.1410	.2214	.2031	.1265	.1781	.1407	.1650	.0986	.1560
75 FOOT LENGTH	.1558	.1928	.2016	.2601	.2256	.2692	.1133	.1970	.1874	.2190	.1552	.0784	.2080	.0849	.1599
76 INSTEP LENGTH	.1307	.1783	.1854	.2330	.2091	.2448	.1014	.1739	.1712	.2008	.1327	.0735	.1864	.0840	.1510
77 FOOT BREADTH	.1685	.1955	.2011	.2962	.2422	.2565	.1433	.2355	.1953	.1351	.1964	.1456	.1040	.1310	.1797
78 HEEL BREADTH	.1962	.2255	.2517	.3146	.2651	.2645	.1291	.1771	.1582	.1270	.1974	.0584	.1211	.0989	.1479
79 BI-MALLEOLAR BR"TH	.1842	.2159	.2332	.2900	.2413	.2561	.1084	.1660	.1328	.1778	.1473	.0815	.1811	.0523	.1169
80 MED"L MALLEOLUS HT	.0770	.1002	.1051	.1739	.1570	.1993	.0427	.1289	.1214	.1414	.1054	.0774	.1261	.0710	.1060
81 LAT"L MALLEOLUS HT	.0504	.0332	.0239	.1008	.0964	.1368	.0314	.1342	.0825	.0711	.0826	.0928	.0481	.0700	.0838
82 BALL OF FOOT CIRC.	.1826	.2276	.2360	.3300	.2745	.2794	.1407	.2277	.2022	.1074	.2093	.1468	.1134	.1232	.1647
83 HAND LENGTH	.1199	.1617	.1613	.2199	.1923	.2307	.0817	.1662	.1930	.2028	.1539	.0485	.1907	.1271	.1861
84 PALM LENGTH	.1016	.1168	.1117	.1802	.1572	.2164	.0700	.1710	.1623	.1510	.1257	.0504	.1271	.0902	.1253
85 HAND BREADTH/THUMB	.1131	.1390	.1449	.2269	.2068	.2097	.1039	.0542	.3294	.1982	.2624	.0676	.2096	.3310	.3388
86 HAND B/METACARPALE	.1643	.2033	.2241	.2976	.2546	.2512	.1124	.0877	.2578	.1972	.2168	.0509	.2232	.2285	.2698
87 THICKNESS-META III	.0844	.1220	.1385	.2176	.2036	.1827	.0752	.1026	.1291	.1054	.1639	.1044	.0989	.1073	.1231
89 FINGER DIAMETER	.1296	.1754	.1876	.2722	.2271	.2359	.1195	.1946	.1546	.1329	.2061	.1225	.0975	.0990	.1330
90 GRIP DIAM"R INSIDE	.0531	.1001	.1081	.1009	.0845	.1002	.0548	.0675	.0898	.1563	.0617	-.0181	.1491	.0656	.1099
91 GRIP DIAM. OUTSIDE	.0952	.1400	.1510	.1822	.1496	.1586	.0890	.1233	.1343	.1618	.1181	.0294	.1518	.0893	.1428
92 FIST CIRCUMFERENCE	.1573	.2172	.2303	.2935	.2387	.2366	.1320	.1929	.1737	.1362	.2119	.1209	.1135	.1290	.1620
93 HEAD LENGTH	.1202	.1868	.1814	.2096	.1702	.1747	.1901	.2292	.2283	.1077	.1494	.1114	.0988	.1280	.1998

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
94	HEAD BREADTH		.4512	.4727	.6441	.3087	.6259	.2189	.2506	.2252	.0789	.1612	.1104	.0803	.0285	.0516
95	MIN FRONTAL DIAM"R	.4512		.8832	.5971	.3525	.4561	.3734	.3480	.3725	.0568	.1694	.1273	.1140	.0322	.0770
96	MAX FRONTAL DIAM"R	.4727	.8832		.6807	.3952	.5112	.3720	.3440	.3685	.0694	.1786	.1245	.0908	.0326	.0761
97	BIZYGOMATIC DIAM"R	.6441	.5971	.6807		.5014	.7603	.3294	.3876	.3488	.1138	.2249	.1387	.1201	.0898	.1285
98	BIGONIAL DIAMETER	.3087	.3525	.3952	.5014		.4725	.1674	.2185	.2114	.0676	.1455	.0971	.0724	.0700	.0910
99	BITRAGION DIAMETER	.6259	.4561	.5112	.7603	.4725		.2148	.2999	.2660	.1074	.2106	.1103	.1362	.0547	.0780
100	INTEROCULAR DIAM"R	.2189	.3734	.3720	.3294	.1674	.2148		.5478	.4907	-.0365	-.2260	.4173	-.1125	-.0302	.0162
101	BIOCULAR DIAMETER	.2506	.3480	.3440	.3876	.2185	.2999	.5478		.3481	-.0601	-.1683	.4472	-.1710	-.1344	-.1318
102	INTERPUPILLARY DIS	.2252	.3725	.3685	.3488	.2114	.2660	.4907	.3481		-.1040	.3238	.1039	.1710	.4177	.3911
103	NOSE LENGTH	.0789	.0568	.0694	.1138	.0676	.1074	-.0365	-.0601	-.1040		.0477	-.1308	-.1335	.0998	.2052
104	NOSE BREADTH	.1612	.1694	.1786	.2249	.1455	.2106	-.2260	-.1683	.3238	.0477		.1733	.3871	-.0979	.1675
105	NASAL ROOT BREADTH	.1104	.1273	.1245	.1387	.0971	.1103	.4173	.4472	.1039	-.1308	.1733		.0431	.1081	-.0971
106	NOSE PROTRUSION	.0803	.1140	.0908	.1201	.0724	.1362	-.1125	-.1710	.1710	-.1335	.3871	.0431		.1964	.1964
107	PHILTRUM LENGTH	.0285	.0322	.0326	.0898	.0700	.0547	-.0302	-.1344	.4177	.0998	-.0979	.1081	.1964		.7588
108	MENTON-SUBNASALE	.0516	.0770	.0761	.1285	.0910	.0780	.0162	-.1318	.3911	.2052	.1675	-.0971	.1964	.7588	
110	LIP-LIP DISTANCE	-.0651	-.0200	-.0334	-.0537	-.0435	-.0479	-.0479	.0733	-.0547	-.0453	.0480	-.0309	.0094	-.0134	.3300
111	LIP LENGTH	.1753	.2081	.2345	.3058	.2519	.2753	.1854	.2905	.1901	.0300	.2767	.1059	.1901	.2292	-.0663
112	EAR LENGTH	.0639	.1435	.1599	.2090	.1893	.2179	.0525	.2143	.1978	.1243	.1789	.0207	.1582	.1406	.2269
113	EAR BREADTH	.0927	.0977	.1119	.1011	.1339	.2489	.0197	.1433	.1558	.1558	.1235	.0033	.1830	.3157	.1403
114	EAR LTH ABOVE TRAG	.0141	.0537	.0680	.0658	.1003	.1145	-.0158	-.0924	.1570	.1570	.1232	-.0589	.1226	.1924	.2602
115	EAR PROTRUSION	.0797	.0254	.0297	.1914	.0452	.0561	-.0101	-.0405	.0913	.0646	.0720	-.0525	.0413	.1107	.1713
116	HEAD HEIGHT	.2382	.1274	.1295	.1510	.0893	.1036	.0970	-.1229	.1156	.0718	.0700	-.0273	.1441	.1345	.1914
117	MENTON PROJECTION	.0905	.1372	.1564	.1275	.0929	.1464	.0542	-.0776	.2082	.1082	.1742	.0115	.1061	.1168	.1420
118	EXT"L CANTHUS-WALL	.0759	.1040	.1016	.1731	.1442	.1220	.0437	.1660	.1073	.1229	.1071	.0879	.0467	.1101	.1599
119	NASAL ROOT TO WALL	.1048	.1349	.1358	.0348	.0384	.1602	.1374	.0206	.0285	.0928	.1340	.0453	.0549	.0931	.1264
120	TRAGION TO WALL	.0359	.0440	.0384	.1926	.1935	.0233	.0196	.1865	.1865	.0728	.0493	.0453	.0931	.0974	.1112
121	LARYNX TO WALL	.1096	.1281	.1424	.2081	.3256	.2081	.0792	.1376	.1376	.1090	.1090	.0490	.0914	.1268	.1900
122	HEAD CIRCUMFERENCE	.5569	.4001	.3856	.5441	.3256	.4991	.3073	.3801	.3433	.1167	.2372	.1974	.1065	.1268	.1900
123	SAGITTAL ARC	.2006	.1993	.1869	.1798	.1590	.1487	.0984	.0977	.1396	.0165	.0631	.0490	.0914	.0172	.1199
124	BITRAG-CORONAL ARC	.5378	.2857	.2825	.3458	.1664	.2574	.1830	.2516	.1982	-.0643	.1433	.1415	.0276	.1283	.1725
125	MINIMUM FR"TAL ARC	.2331	.4802	.3939	.2888	.1590	.2229	.2361	.2816	.2623	-.0143	.1402	.1637	.0348	.0264	.0585
126	BIT-MIN-FR"TAL ARC	.4295	.4748	.4702	.5649	.2769	.4088	.3871	.4423	.4147	.1527	.2216	.1893	.0852	.1195	.1792
128	BITRAG-MENTON ARC	.2674	.3428	.3931	.5072	.3786	.4754	.1992	.2444	.1949	.1213	.2879	.1304	.0907	.1137	.2150
129	BIT-SUBMANDIBULAR	.2307	.2327	.2611	.4276	.3611	.3967	.1451	.2976	.3419	.1330	.3202	.1902	.0568	.1247	.1540
130	BIT-SUBNASALE ARC	.2799	.4064	.4468	.5652	.3755	.4851	.2976	.4136	.1838	.0779	.2025	.1510	.0671	.1191	.1074
131	POSTERIOR ARC	.3130	.2524	.2713	.4226	.3381	.4878	.1228	.2422	.2422	.0344	.1394	.1971	-.0415	.1229	.1278
132	BITRAG-INION ARC	.2338	.0408	.0329	.2026	.1795	.2801	.0997	.2392	.1423	-.0344	.1394	.1971	-.0415	.1229	.1245
133	AGE	.0784	.0805	.0932	.1477	.1434	.0976	-.0418	-.0708	.0421	.1064	.0492	-.1119	-.0321	.1039	.0656

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
1	HEIGHT	-.0407	.2426	.3346	.1697	.1829	.0517	.2261	.1804	.2089	.2600	.1548	.3354	.4855	.1886	.2717
2	HEIGHT (STATURE)	-.0823	.1123	.2648	.1603	.1415	.0950	.2070	.0926	.1909	.2683	.1112	.2389	.2792	.2396	.2467
3	NASAL ROOT HEIGHT	.0797	.1119	.2585	.1677	.1334	.0845	.1788	.1009	.1768	.2410	.1092	.2464	.2630	.2079	.2064
4	EYE HEIGHT	.0787	.1132	.2599	.1664	.1349	.0856	.1775	.1011	.1772	.2426	.1095	.2474	.2648	.2108	.2072
5	TRAGION HEIGHT	.0734	.1166	.2674	.1646	.1499	.0870	.1545	.0910	.1749	.2469	.0984	.2340	.2517	.2085	.1878
6	CERVICALE HEIGHT	.0709	.1143	.2619	.1618	.1412	.0983	.1777	.1052	.1830	.2510	.1138	.2705	.2704	.1970	.2111
7	SHOULDER HEIGHT	.0634	.1226	.2664	.1563	.1528	.0924	.1753	.0995	.1816	.2483	.1150	.2610	.2734	.1954	.1979
8	SUPRASTERNALE HT	-.0675	.1210	.2620	.1647	.1392	.0926	.1806	.1023	.1796	.2522	.0967	.2300	.2834	.2059	.2120
9	NIPPLE HEIGHT	.0831	.0912	.2337	.1527	.1346	.0838	.1523	.0973	.1622	.2285	.0777	.1852	.2470	.1924	.1798
11	ELBOW HEIGHT	.0580	.1210	.2677	.1444	.1556	.0854	.1845	.0946	.1799	.2542	.1195	.2381	.2684	.1951	.1977
12	WAIST HEIGHT	.0799	.0839	.2093	.1364	.1258	.0882	.1453	.0632	.1523	.2145	.0834	.2190	.2162	.1614	.1683
14	WRIST HEIGHT	.0449	.1145	.2542	.1308	.1497	.0735	.1834	.0875	.1683	.2440	.1179	.2098	.2474	.1714	.1983
15	CROTCH HEIGHT	.1129	.0584	.1595	.1268	.0899	.0609	.1210	.0854	.1485	.1910	.0942	.1855	.1754	.2056	.1194
16	GLUTEAL FURROW HT	.0934	.0670	.1793	.1247	.1002	.0596	.1398	.0787	.1574	.2045	.1035	.2229	.2067	.1658	.1430
17	KNUCKLE HEIGHT	.0415	.1047	.2401	.1183	.1335	.0609	.1738	.0952	.1629	.2316	.1122	.1933	.2392	.1718	.1931
18	KNEECAP HEIGHT	.0869	.1048	.2549	.1367	.1161	.0850	.1521	.0884	.1759	.2303	.1101	.2330	.2420	.1429	.1823
19	SITTING HEIGHT	.0315	.1020	.2545	.1246	.1356	.0599	.2159	.0565	.1486	.2429	.0668	.1625	.2163	.2551	.2663
20	EYE HT/SITTING	.0190	.1017	.2289	.1250	.1132	.0451	.1579	.0545	.1254	.1973	.0677	.1625	.2124	.1982	.1809
21	SHOULDER HT/SITT'''G	-.0145	.1082	.2277	.1127	.1397	.0534	.1329	.0549	.1298	.1944	.0662	.1832	.2205	.1788	.1595
22	WAIST HT/SITTING	-.0148	.0179	.0683	.0223	.0504	.0261	.0517	-.0184	.0202	.0698	-.0176	.0346	.0413	.0762	.0571
23	ELBOW REST HT/SIT	-.0440	.0408	.0968	.0181	.0571	.0074	.0621	.0283	.0478	.0973	.0197	.0253	.0844	.1093	.0707
24	THIGH CLEARANCE HT	-.0290	.1650	.1988	.0759	.1135	.0182	.1563	.1242	.1273	.1785	.1080	.2004	.3372	.1019	.1650
25	KNEE HT/SITTING	.0956	.1237	.2278	.1661	.1151	.0805	.1755	.1147	.1952	.2515	.1174	.2617	.3030	.2186	.2091
26	POPLITEAL HT/SIT	.1010	.0660	.1469	.1186	.0707	.0632	.1252	.0978	.1682	.2019	.0995	.1811	.2075	.2216	.1381
27	BUTTOCK-KNEE LENGTH	-.0627	.1217	.2449	.1544	.1498	.0687	.1328	.1079	.1791	.1916	.1189	.2470	.2901	.1454	.1794
28	BUTTOCK-LEG LENGTH	.0812	.1038	.2199	.1490	.1369	.0755	.1494	.0904	.1767	.2086	.1335	.2700	.2607	.1267	.1821
29	SHOULDER-ELBOW LTH	.0531	.1211	.2111	.1511	.1316	.0902	.1050	.0616	.1391	.1694	.0749	.2431	.2240	.1224	.1391
30	FOREARM-HAND LNGTH	.0880	.1366	.2325	.1476	.1256	.0942	.1103	.0975	.1715	.1994	.0693	.2250	.2685	.1772	.1826
31	SPAN	.0735	.1345	.2324	.1575	.1260	.0956	.1305	.0974	.1631	.2118	.0704	.2080	.2717	.1858	.1888
32	ARM REACH FR. WALL	.0475	.1173	.1991	.1340	.0961	.0902	.1146	.1010	.1461	.1693	.0904	.2311	.2211	.1369	.1337
33	MAXIMUM REACH/WALL	-.0345	.1375	.2166	.1424	.1385	.0967	.1427	.0692	.1675	.2095	.1248	.2814	.2306	.1509	.1449
34	FUNCTIONAL REACH	-.0341	.1101	.1871	.1291	.0765	.0810	.1080	.1073	.1401	.1603	.0878	.2201	.2244	.1383	.1371
35	ELBOW-ELBOW BRDTH	-.0931	.2381	.2624	.1249	.1471	.0361	.1329	.1516	.1664	.1541	.1382	.2544	.3787	.0739	.1861
36	HIP BREADTH/SIT"NG	-.0483	.1740	.2637	.1233	.1385	.0496	.1714	.1151	.1364	.1749	.0973	.2569	.3911	.1121	.2416
37	KNEE-KNEE BRTH/SIT	.0081	.1617	.2341	.1255	.1197	.0554	.1834	.1055	.1495	.2239	.1074	.2687	.3685	.1280	.2361
38	BIACROMIAL DIAM"R	.0116	.1592	.1730	.1092	.0652	.0273	.0599	.1974	.1323	.1275	.0354	.1093	.2882	.2034	.1746
39	SHOULDER BREADTH	-.0596	.2457	.2614	.1474	.1549	.0298	.1323	.1851	.1578	.1795	.0972	.2165	.4145	.1383	.2259
40	CHEST BREADTH	-.0547	.2141	.2682	.1401	.1442	.0311	.1302	.1463	.1564	.1654	.0901	.1796	.4018	.1386	.2158
41	WAIST BREADTH	-.0859	.2148	.2678	.1202	.1488	.0429	.1938	.0914	.1425	.2048	.1540	.3473	.3884	.0484	.2079
42	HIP BREADTH	-.0636	.2112	.2929	.1584	.1564	.0464	.0997	.1315	.1577	.1221	.1006	.2569	.3669	.1113	.2189
43	CHEST DEPTH	-.0778	.1997	.2655	.1590	.1543	-.0019	.0688	.1185	.1485	.0839	.1175	.3309	.3296	.0441	.1149
44	WAIST DEPTH	-.1108	.2011	.2620	.1143	.1484	-.0252	.1608	.0809	.1449	.1522	.1510	.3102	.3215	.0323	.1586
45	BUTTOCK DEPTH	-.0693	.1637	.2463	.1006	.1528	.0244	.1819	.0979	.1361	.1845	.1295	.2606	.3501	.0586	.1974
46	NECK CIRCUMFERENCE	-.0181	.2459	.2214	.1242	.0961	.0139	.1822	.1534	.1827	.2235	.1299	.3091	.4519	.1287	.2649
47	SHOULDER CIRCUM"CE	-.0676	.2233	.2571	.1274	.1413	.0220	.1665	.1848	.1697	.2018	.1000	.2343	.4242	.1388	.2234

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
48 CHEST CIRCUMF"ENCE	-.0791	.2586	.3002	.1540	.1801	.0097	.1798	.1563	.1765	.2027	.1433	.3129	.4177	.1313	.1894
49 WAIST CIRCUMF"ENCE	-.1150	.2101	.2781	.1173	.1495	.0229	.1712	.1193	.1558	.1694	.1594	.3158	.3797	.0844	.1790
50 BUTTOCK CIRCUMF"CE	-.0521	.2025	.2958	.1382	.1605	.0331	.1994	.1480	.1660	.2169	.1325	.2926	.4178	.1366	.2332
51 THIGH CIRCUMF"ENCE	-.0266	.1718	.2275	.1054	.1355	.0245	.1722	.1386	.1451	.1876	.1116	.2312	.3769	.1137	.2041
52 LOWER THIGH CIRC.	.0104	.1516	.1934	.1050	.0960	.0363	.1520	.1120	.1173	.1633	.0582	.1965	.3250	.0844	.2042
53 CALF CIRCUMFERENCE	.0103	.1461	.2036	.1030	.1030	.0401	.1496	.1365	.1275	.1769	.0651	.1894	.3619	.1329	.1965
54 ANKLE CIRCUMFERENCE	.0246	.1528	.2050	.1026	.0913	.0346	.1318	.1192	.1275	.1962	.0486	.1727	.3327	.1466	.2120
55 SCYE CIRCUMFERENCE	-.0459	.1812	.2124	.1151	.1357	.0221	.1398	.1004	.1333	.1575	.1044	.2330	.2873	.0867	.1651
56 AXILLARY ARM CIRC.	-.0959	.2053	.2457	.1136	.1498	.0161	.1518	.1487	.1291	.1526	.1149	.2422	.3603	.0866	.1660
57 BICEPS CIRC-FLEXED	-.0646	.2253	.2350	.1078	.1356	.0164	.1579	.1616	.1341	.1592	.1119	.2387	.3652	.0806	.1762
58 ELBOW CIRC-FLEXED	-.0136	.1810	.2202	.0970	.1356	.0298	.1278	.1561	.1293	.1584	.0969	.2161	.3046	.1168	.1602
59 LOWER ARM C-FLEXED	-.0404	.2159	.2249	.1039	.1066	.0298	.1282	.1907	.1382	.1586	.0884	.2152	.3605	.1530	.1651
60 WRIST CIRCUMF"ENCE	-.0140	.2097	.2284	.1203	.1189	.0550	.1088	.1188	.1224	.1361	.0579	.2152	.3339	.1100	.1768
61 SLEEVE INSEAM	.0719	.0502	.0940	.0735	.0271	.0328	.0737	.0354	.0785	.1269	.0101	.1302	.1286	.1255	.1034
62 SLEEVE LENGTH	.0411	.1477	.2355	.1617	.1246	.0811	.1276	.1047	.1568	.1926	.0716	.2093	.3028	.1759	.1857
63 ANTERIOR NECK LGTH	-.0014	-.0169	-.0133	-.0094	-.0018	.0606	-.0053	-.0112	-.0445	-.0218	.0274	.0675	-.1028	-.0784	-.0554
64 POSTERIOR NECK LTH	.0838	-.0117	.0285	.0179	.0251	.0162	-.0388	-.0466	-.0238	-.0579	-.0306	-.1328	-.0221	.0673	.0157
65 SHOULDER LENGTH	.0742	.0666	.0858	.0904	.0703	.0368	.0326	.0779	.0380	.0804	-.0087	.0651	.1057	.1007	.0796
66 WAIST BACK	.0167	.1077	.2329	.1276	.1220	.0843	.1259	.1013	.1389	.1802	.1131	.3002	.2093	.1193	.1691
67 WAIST FRONT	-.0282	.1347	.2216	.1171	.1064	.0229	.1424	.0681	.1244	.1651	.0471	.2585	.2585	.1196	.1706
68 GLUTEAL ARC	-.0296	.1003	.1418	.0586	.0767	.0312	.0972	.0493	.0372	.1110	.0140	.0872	.1737	.0879	.1178
69 CROTCH LENGTH	-.0429	.1356	.2035	.0753	.1237	.0612	.1459	.0685	.0897	.1518	.0515	.1773	.2867	.0704	.1714
70 VERTICAL TRUNK C.	-.0436	.2050	.3220	.1456	.1765	.0729	.1935	.1587	.1789	.2345	.1258	.2763	.3754	.1582	.2263
71 INTERSCYE	-.0685	.1765	.1956	.0915	.1299	.0160	.1042	.1135	.1142	.1438	.1029	.1937	.2552	.1122	.1232
72 INTERSCYE-MAXIMUM	-.0355	.1688	.2094	.1117	.1033	.0014	.1012	.1332	.1249	.1674	.0670	.1591	.3593	.1833	.1284
73 BUTTOCK CIRC/SIT.	-.0586	.1940	.2828	.1381	.1432	.0220	.1838	.1477	.1744	.1910	.1094	.2800	.4176	.1439	.2086
74 KNEE CIRC/SITTING	.0347	.1802	.2732	.1625	.1367	.0528	.1851	.1452	.1744	.2380	.1212	.2700	.4395	.2034	.2134
75 FOOT LENGTH	.0859	.1468	.2502	.1784	.1328	.0590	.1381	.0924	.1659	.2145	.0729	.2465	.2844	.1785	.2186
76 INSTEP LENGTH	.0796	.1314	.2313	.1510	.1239	.0481	.1209	.0896	.1360	.1843	.0591	.2244	.2469	.1498	.1852
77 FOOT BREADTH	.0636	.1846	.2185	.1376	.1227	.0797	.1495	.1018	.1398	.2058	.0441	.1752	.3193	.1691	.2067
78 HEEL BREADTH	.0112	.2059	.2535	.1461	.1350	.0559	.1695	.0807	.1783	.2069	.0898	.2153	.3393	.1846	.2042
79 BI-MALLEOLAR BR"TH	.0155	.1691	.2065	.1444	.1031	.0639	.1082	.0806	.1237	.1827	.0498	.1792	.2523	.1810	.1753
80 MED"L MALLEOLUS HT	.0139	.1637	.1756	.1273	.1045	.0444	.1002	.0591	.1249	.1869	.0832	.1713	.1911	.1139	.1352
81 LAT"L MALLEOLUS HT	.0470	.0532	.1252	.1078	.0768	.0235	.0990	.0410	.0763	.1390	.0460	.1147	.1647	.0635	.1280
82 BALL OF FOOT CIRC.	.0484	.1914	.2151	.1315	.1201	.0697	.1281	.1091	.1510	.2220	.0604	.2045	.3421	.1674	.1995
83 HAND LENGTH	.0943	.1557	.2320	.1676	.1192	.0720	.1152	.1155	.1579	.2050	.0623	.2033	.2643	.1750	.1845
84 PALM LENGTH	.0767	.1393	.1980	.1535	.0886	.0615	.0936	.1003	.1351	.1773	.0587	.1900	.2241	.1310	.1642
85 HAND BREADTH/THUMB	.0777	.1538	.2701	.1598	.2571	.1770	.1134	.2108	.1438	.2190	.0725	.1876	.2553	.1332	.1643
86 HAND B/METACARPALE	-.0585	.1990	.2526	.1471	.1898	.1327	.1101	.1813	.1468	.2054	.0667	.1808	.2834	.1705	.1669
87 THICKNESS-META III	-.0151	.1441	.1919	.0831	.1512	.0863	.0697	.0807	.0952	.1505	.0332	.1387	.2071	.0762	.0975
89 FINGER DIAMETER	-.0105	.2354	.2457	.1341	.1456	.0817	.0896	.0710	.1101	.1736	.0473	.1951	.2646	.1039	.1431
90 GRIP DIAM"R INSIDE	.0884	.0713	.1218	.1094	.0570	.0137	.0957	.0396	.1047	.1308	.0525	.0945	.1466	.1443	.1150
91 GRIP DIAM. OUTSIDE	.0663	.1373	.1859	.1494	.0972	.0549	.1283	.0760	.1340	.1794	.0620	.1384	.2236	.1600	.1589
92 FIST CIRCUMFERENCE	.0357	.2234	.2442	.1411	.1290	.0914	.1059	.1193	.1490	.1993	.0570	.1806	.3115	.1554	.1825
93 HEAD LENGTH	.0637	.1425	.1687	.1124	.1093	.0255	.2066	.1480	.6029	.6833	.3962	.2186	.6855	.5617	.2889

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
94	HEAD BREADTH	-0651	.1753	.0639	.0927	.0141	.0797	.2382	.0905	.0759	.1048	.0359	.1096	.5569	.2006	.5378
95	MIN FRONTAL DIAM"R	-0200	.2081	-1435	.0977	.0537	.0254	.1274	.1372	.1040	.1349	.0440	.1281	.4001	.1993	.2857
96	MAX FRONTAL DIAM"R	-0334	.2345	.1599	.0960	.0680	.0297	.1295	.1564	.1016	.1358	.0384	.1424	.3856	.1869	.2825
97	BIZYGOMATIC DIAM"R	-0537	.3058	.2090	.1119	.1011	.0658	.1914	.1510	.1275	.1731	.0348	.1926	.5441	.1798	.3458
98	BIGONIAL DIAMETER	-0435	.2519	.1893	.1339	.1003	.0452	.0893	.0929	.0946	.1442	.0384	.1935	.3256	.1103	.1664
99	BITRAGION DIAMETER	-0479	.2753	.2525	.2489	.1145	.0561	.1036	.1464	.1220	.1602	.0233	.2081	.4991	.1487	.2574
100	INTEROCULAR DIAM"R	-0454	.1854	.0525	.0197	-0158	.0101	.0970	.0542	.0437	.1374	.0196	.0792	.3073	.0984	.1830
101	BIOCULAR DIAMETER	.0163	.2905	.0733	.0552	-0924	-0405	.1229	-0281	.0775	.1660	.0206	.1247	.3801	.0977	.2516
102	INTERPUPILLARY DIS	.0771	.1211	.2143	.1433	.2379	.1825	.1156	.2082	.1073	.1865	.0285	.1376	.3433	.1396	.1982
103	NOSE LENGTH	.0453	.0300	.1978	.1558	.1570	.0913	.0646	.0718	.1082	.1229	.0928	.0728	.1167	.0165	.0643
104	NOSE BREADTH	.0480	.2767	.1789	.1235	.1232	.0720	.0700	.1742	.1071	.1340	.0493	.1090	.2372	.0631	.1433
105	NASAL ROOT BREADTH	.0309	.1059	.0207	.0033	-0924	-0589	.0525	-0273	.0119	.0879	.0115	.0453	.1974	.0490	.1415
106	NOSE PROTRUSION	.0476	.0094	.1901	.1582	.1830	.1225	.0413	.1441	.0587	.1061	.0467	.0549	.1065	.0914	.0276
107	PHILTRUM LENGTH	.2877	-0134	.2292	.1406	.3157	.1924	.1107	.1345	.1168	.1101	.0931	.0974	.1268	.0172	.1283
108	MENTON-SUBNASALE	.3300	-0663	.2269	.1403	.2602	.1516	.1713	.1914	.1420	.1599	.1264	.1112	.1900	.1199	.1725
109	LIP-LIP DISTANCE	-0559	-0559	.0212	.0219	.0394	.0056	.0261	-0360	.0479	.0444	.0606	-0305	.0151	.0506	.0508
111	LIP LENGTH	-0559		.2163	.1431	.0909	.0535	.0598	.1435	.0761	.1244	.0136	.1323	.2215	.0576	.0933
112	EAR LENGTH	.0212	.2163		.4601	.5772	.1953	.0720	.1331	.1217	.1548	.0839	.1973	.2251	.0982	.0915
113	EAR BREADTH	.0219	.1431	.4601		.4511	.0412	.0084	.0986	.0918	.1120	.0398	.1416	.1830	.0552	.0180
114	EAR LTH ABOVE TRAG	.0394	.0909	.5772	.4511		.1588	.0141	.1224	.1035	.1152	.0830	.1375	.1187	.0233	-0012
115	EAR PROTRUSION	.0056	.0535	.1953	.0412	.1588		.0819	.0934	.0317	.0485	.0441	.0572	.0471	.0035	.0951
116	HEAD HEIGHT	.0261	.0598	.0720	-0084	.0141	.0819		.0581	.1514	.3623	.2169	.2076	.2671	.2885	.4939
117	MENTON PROJECTION	-0360	.1435	.1331	.0986	.1224	.0934	.0581		.0783	.0822	.0507	.0297	.1784	.0814	.0769
118	EXT"L CANTHUS-WALL	-0479	.0761	.1217	.0918	.1036	.0317	.1514	.0783		.6110	.6207	.2481	.4277	.3589	.1963
119	NASAL ROOT TO WALL	-0444	.1244	.1548	.1120	.1152	.0485	.3623	.0822	.6110		.4924	.3114	.4985	.4209	.2467
120	TRAGION TO WALL	-0606	.0136	.0839	.0398	.0830	.0572	.2169	.0507	.6207	.4924		.4413	.2612	.2112	.1589
121	LARYNX TO WALL	-0305	.1323	.1973	.1416	.1375	.0471	.2076	.0297	.2481	.3114	.4413		.2600	.0820	.1215
122	HEAD CIRCUMFERENCE	.0151	.2215	.2251	.1830	.1187	.0035	.2671	.1784	.4277	.4985	.2612	.2600		.5398	.4557
123	SAGITTAL ARC	.0506	.0576	.0982	.0552	.0233	.0951	.2885	.0814	.3589	.4209	.2112	.0820	.5398		.4133
124	BITRAG-CORONAL ARC	.0508	.0933	.0915	.0180	-0012	.0048	.4939	.0769	.1963	.2467	.1589	.1215	.4557	.4133	
125	MINIMUM FR"TAL ARC	-0188	.1038	.0677	.0680	-0030	.0046	.0356	.0888	.0673	.1036	-0271	.0325	.3096	.2292	.2027
126	BIT-MIN-FR"TAL ARC	-0207	.2284	.1942	.1358	.0881	.0646	.1813	.0813	.1813	.3591	-0233	.1809	.6621	.3261	.4460
128	BITRAG-MENTON ARC	-0461	.3586	.3310	.2095	.1906	.0064	.1140	.3446	.2121	.2956	.0046	.2448	.4963	.2617	.1872
129	BIT-SUBMANDIBULAR	-0346	.2829	.3276	.1761	.1966	.0223	.1039	.0857	.1589	.2408	.0402	.2698	.4567	.2431	.0663
130	BIT-SUBNASALE ARC	-0062	.3713	.2934	.1753	.1700	.0136	.1046	.2395	.2181	.3195	-0204	.2281	.5197	.2081	.2005
131	POSTERIOR ARC	-0013	.2247	.3433	.2050	.2394	.1888	.1307	.1508	.2424	.2845	-2348	.2859	.5236	.1920	.1984
132	BITRAG-INION ARC	.0415	.0922	.1821	.0752	.1212	.2319	.1179	.0451	.2756	.2841	.2732	.2177	.4719	.1855	.2453
133	AGE	-2548	.2431	.1980	.1184	.0894	.0177	.0329	.0266	.0681	.0250	.1104	.1744	.0504	-0562	-0478

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

	125	126	128	129	130	131	132	133
1 HEIGHT	.1820	.4097	.5674	.5766	.5357	.5433	.2527	.1792
2 HEIGHT (STATURE)	.1017	.2628	.3221	.2661	.2575	.2594	.1646	-.0251
3 NASAL ROOT HEIGHT	.0918	.2570	.3095	.2497	.2436	.2419	.1429	-.0063
4 EYE HEIGHT	.0929	.2586	.3127	.2531	.2462	.2437	.1435	-.0067
5 TRAGION HEIGHT	.0901	.2378	.3245	.2728	.2550	.2506	.1618	-.0114
6 CERVICALE HEIGHT	.1103	.2552	.3177	.2638	.2626	.2546	.1464	-.0191
7 SHOULDER HEIGHT	.1003	.2556	.3264	.2808	.2697	.2625	.1464	-.0075
8 SUPRASTERNALE HT	.1068	.2623	.3354	.2829	.2812	.2706	.1578	-.0073
9 NIPPLE HEIGHT	.0979	.2365	.2959	.2365	.2465	.2246	.1294	-.0535
11 ELBOW HEIGHT	.0988	.2495	.3198	.2855	.2730	.2702	.1464	-.0009
12 WAIST HEIGHT	.0741	.2084	.2531	.1950	.2119	.1981	.1374	-.0518
14 WRIST HEIGHT	.0937	.2325	.2868	.2640	.2574	.2611	.1578	.0095
15 CROTCH HEIGHT	.0542	.1708	.2128	.1432	.1438	.1039	.0132	-.0720
16 GLUTEAL FURROW HT	.0750	.1915	.2449	.1864	.1918	.1762	.1099	-.0626
17 KNUCKLE HEIGHT	.1062	.2203	.2766	.2549	.2487	.2480	.1477	.0093
18 KNEECAP HEIGHT	.0976	.2281	.2853	.2219	.2434	.2182	.1726	-.0463
19 SITTING HEIGHT	.0950	.2315	.3004	.2736	.2318	.2472	.1321	.0258
20 EYE HT/SITTING	.0763	.2315	.2675	.2324	.1976	.2098	.0913	.0682
21 SHOULDER HT/SITT"G	.0985	.2156	.2770	.2686	.2241	.2323	.0718	.0519
22 WAIST HT/SITTING	.0197	.0739	.0601	.0498	.0580	.0461	-.0142	.0095
23 ELBOW REST HT/SIT	.0598	.1029	.1181	.1410	.1065	.0978	-.0281	-.0470
24 THIGH CLEARANCE HT	.1276	.2747	.3727	.3998	.3870	.3850	.1716	-.0713
25 KNEE HT/SITTING	.1235	.2824	.3536	.2842	.3010	.2548	.1505	-.0471
26 POPLITEAL HT/SIT	.0804	.1965	.2391	.1775	.1825	.1396	.0426	-.0827
27 BUTTOCK-KNEE LNGTH	.1030	.2435	.3363	.3013	.2903	.3004	.1784	-.0020
28 BUTTOCK-LEG LENGTH	.1046	.2165	.2889	.2450	.2521	.2734	.2022	-.0228
29 SHOULDER-ELBOW LTH	.0727	.1999	.2741	.2119	.2006	.2088	.1390	-.0065
30 FOREARM-HAND LNGTH	.1086	.2575	.3402	.2596	.2802	.2294	.1559	-.0514
31 SPAN	.0971	.2582	.3386	.2492	.2640	.2341	.1493	-.0396
32 ARM REACH FR. WALL	.0853	.1985	.2892	.2349	.2324	.2319	.1552	.0195
33 MAXIMUM REACH/WALL	.0462	.2096	.2859	.2324	.2175	.2278	.1308	-.0343
34 FUNCTIONAL REACH	.0399	.1966	.2798	.2194	.2260	.2302	.1637	-.0077
35 ELBOW-ELBOW BRDTH	.1146	.3222	.4696	.5062	.4483	.4586	.1948	.2870
36 HIP BREADTH/SIT"NG	.1573	.3378	.4421	.4527	.4349	.4465	.2234	.1219
37 KNEE-KNEE BRTH/SIT	.1599	.3241	.4267	.4214	.4363	.4102	.2421	.0226
38 BIACROMIAL DIAM"R	.1366	.2739	.3735	.2947	.3025	.2636	.2092	.0147
39 SHOULDER BREADTH	.1447	.3640	.5228	.4948	.4768	.4585	.2092	.1663
40 CHEST BREADTH	.1351	.3569	.4810	.4759	.4427	.4245	.1862	.1961
41 WAIST BREADTH	.1301	.3109	.4450	.4934	.4375	.4833	.2717	.2308
42 HIP BREADTH	.1296	.3332	.4422	.4371	.4201	.4107	.1862	.1952
43 CHEST DEPTH	.1059	.2626	.4232	.4670	.4152	.4254	.1894	.2633
44 WAIST DEPTH	.0903	.2665	.4029	.4925	.3961	.4346	.1941	.3336
45 BUTTOCK DEPTH	.1075	.2864	.4154	.4831	.3961	.4670	.2472	.1634
46 NECK CIRCUMFERENCE	.2129	.3725	.5007	.5069	.4776	.5002	.2902	.1009
47 SHOULDER CIRCUM"CE	.1809	.3606	.5206	.5063	.4946	.4786	.2270	.1583

TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		125	126	128	129	130	131	132	133
48	CHEST CIRCUMF"ENCE	.1323	.3563	.5214	.5407	.4843	.4711	.1750	.2785
49	WAIST CIRCUMF"ENCE	.1229	.3084	.4446	.5245	.4327	.4718	.1935	.3034
50	BUTTOCK CIRCUMF"CE	.1510	.3517	.4864	.5128	.4756	.4898	.2281	.1523
51	THIGH CIRCUMF"ENCE	.1510	.3118	.4282	.4551	.4301	.4322	.1891	.0920
52	LOWER THIGH CIRC.	.1676	.2621	.3689	.3773	.3786	.3890	.2313	.0077
53	CALF CIRCUMFERENCE	.1612	.2939	.4170	.4051	.4145	.4121	.2033	.0305
54	ANKLE CIRCUMF"ENCE	.1770	.2857	.3788	.3544	.3840	.3626	.1993	-.0088
55	SCYE CIRCUMFERENCE	.0885	.2362	.3673	.3776	.3420	.3551	.1837	.1866
56	AXILLARY ARM CIRC.	.1194	.3022	.4549	.4849	.4386	.4486	.1691	.2485
57	BICEPS CIRC-FLEXED	.1378	.3110	.4599	.4724	.4502	.4546	.1993	.2164
58	ELBOW CIRC-FLEXED	.1153	.2753	.4079	.3945	.3715	.3536	.1855	.1116
59	LOWER ARM C-FLEXED	.1432	.3205	.4729	.4771	.4376	.4077	.1434	.1848
60	WRIST CIRCUMF"ENCE	.1343	.3035	.4344	.4161	.4151	.3972	.2264	.0974
61	SLEEVE INSEAM	.0593	.1311	.1609	.0903	.1124	.0580	.0684	-.1084
62	SLEEVE LENGTH	.0979	.2732	.3698	.3009	.3058	.2845	.1549	.0024
63	ANTERIOR NECK LGTH	-.1688	-.0504	-.1509	-.1527	-.1392	-.1045	-.0252	-.0401
64	POSTERIOR NECK LTH	-.0464	-.0251	.0112	-.0739	-.0229	-.0613	-.0567	-.0994
65	SHOULDER LENGTH	.0428	.1151	.1806	.1198	.1251	.0886	.0543	-.0637
66	WAIST BACK	.1038	.1938	.2516	.2361	.2058	.2565	.1594	.0282
67	WAIST FRONT	.1219	.2336	.3147	.3267	.2976	.2958	.1544	.1159
68	GLUTEAL ARC	.0592	.1628	.2111	.2012	.1885	.1760	.0551	.0943
69	CROTCH LENGTH	.1191	.2450	.3182	.3538	.3351	.3781	.2139	.0886
70	VERTICAL TRUNK C.	.1281	.3283	.4617	.4772	.4258	.4600	.2075	.1634
71	INTERSCYE	.1043	.2181	.3166	.3591	.2966	.3054	.1354	.1510
72	INTERSCYE-MAXIMUM	.2045	.2795	.4090	.4588	.3634	.3653	.1971	.0928
73	BUTTOCK CIRC/SIT.	.1774	.3430	.4727	.5222	.4537	.4753	.2011	.1918
74	KNEE CIRC/SITTING	.1719	.3611	.4690	.5061	.4599	.4254	.2158	.0499
75	FOOT LENGTH	.1096	.2731	.3543	.2807	.3035	.2433	.1540	-.0375
76	INSTEP LENGTH	.1156	.2317	.3279	.2686	.2771	.2233	.1373	-.0348
77	FOOT BREADTH	.1544	.2878	.3640	.2873	.3487	.2923	.2000	-.0493
78	HEEL BREADTH	.1181	.3038	.3813	.3407	.3446	.3119	.1558	.1018
79	BI-MALLEOLAR BR"TH	.0900	.2557	.3340	.2755	.2941	.2431	.1201	.0325
80	MED"L MALLEOLUS HT	.0542	.1805	.2566	.2024	.2405	.2369	.1568	-.0161
81	LAT"L MALLEOLUS HT	.0507	.1429	.1898	.1506	.1834	.1971	.1710	-.0378
82	BALL OF FOOT CIRC.	.1518	.3052	.4025	.3507	.3807	.3199	.1993	-.0197
83	HAND LENGTH	.1272	.2673	.3286	.2394	.2780	.2129	.1388	-.0032
84	PALM LENGTH	.1165	.2155	.2923	.2061	.2425	.2155	.1521	-.0034
85	HAND BREADTH/THUMB	.1001	.2457	.3329	.2602	.2948	.2786	.2095	.0197
86	HAND B/METACARPALE	.1084	.2686	.3683	.2958	.3151	.2660	.1554	.0496
87	THICKNESS-META III	.0928	.1912	.2904	.2612	.2663	.2530	.1504	.0362
89	FINGER DIAMETER	.0997	.2510	.3655	.3192	.3219	.3161	.2046	.1550
90	GRIP DIAM"R INSIDE	.0267	.1589	.1452	.0899	.1114	.0423	.0089	-.0371
91	GRIP DIAM. OUTSIDE	.0617	.2350	.2518	.1877	.2103	.1489	.0759	-.0070
92	FIST CIRCUMFERENCE	.1258	.2911	.3907	.3161	.3437	.3048	.1996	.0901
93	HEAD LENGTH	.1665	.4888	.3537	.2500	.3789	.3084	.3814	.0472

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TABLE VI (continued)

CORRELATION COEFFICIENTS FOR USAF FLYING PERSONNEL--1950

		125	126	128	129	130	131	132	133
94	HEAD BREADTH	.2331	.4295	.2674	.2307	.2799	.3130	.2338	.0784
95	MIN FRONTAL DIAM"R	.4802	.4748	.3428	.2327	.4064	.2524	.0408	.0805
96	MAX FRONTAL DIAM"R	.3939	.4702	.3931	.2611	.4468	.2713	.0329	.0932
97	BIZYGOMATIC DIAM"R	.2888	.5649	.5072	.4276	.5652	.4226	.2026	.1477
98	BIGONIAL DIAMETER	.1590	.2769	.3786	.3611	.3755	.3381	.1795	.1434
99	BITRAGION DIAMETER	.2229	.4088	.4754	.3967	.4851	.4878	.2801	.0976
100	INTEROCULAR DIAM"R	.2361	.3871	.1992	.1451	.2976	.1228	.0997	-.0418
101	BIOCULAR DIAMETER	.2816	.4423	.3169	.2444	.4136	.2422	.2392	-.0708
102	INTERPUPILLARY DIS	.2523	.4147	.2624	.1949	.3419	.1838	.1423	.0421
103	NOSE LENGTH	-.0143	.1527	.1443	.1213	.1330	.0779	.0344	.1064
104	NOSE BREADTH	.1402	.2216	.2879	.2134	.3202	.2025	.1394	.0492
105	NASAL ROOT BREADTH	.1637	.1893	.1304	.0961	.1902	.1510	.1971	-.1119
106	NOSE PROTRUSION	.0348	.1195	.0852	.0907	.0548	.0571	-.0415	-.0321
107	PHILTRUM LENGTH	.0264	.1195	.1175	.1137	.1247	.1191	.1229	.1039
108	MENTON-SUBNASALE	.0585	.1792	.2150	.1540	.1074	.1278	.1245	.0656
110	LIP-LIP DISTANCE	.0188	-.0207	-.0461	-.0346	-.0062	-.0013	-.0415	-.2548
111	LIP LENGTH	.1038	.2284	.3586	.2829	.3713	.2247	.0922	.2431
112	EAR LENGTH	.0677	.1942	.3310	.3276	.2934	.3433	.1821	.1980
113	EAR BREADTH	.0680	.1358	.2095	.1761	.1753	.2050	.0752	.1184
114	EAR LTH ABOVE TRAG	-.0030	.0881	.1906	.1966	.1700	.2394	.1212	.0894
115	EAR PROTRUSION	.0048	.0646	.0064	.0223	.0136	.1888	.2319	.0177
116	HEAD HEIGHT	.0356	.2788	.1140	.1039	.1046	.1307	.1179	.0329
117	MENTON PROJECTION	.0868	.1813	.3446	.0857	.2395	.1508	.0451	.0266
118	EXT"L CANTHUS-WALL	.0673	.2448	.2121	.1689	.2181	.2424	.2756	.0681
119	NASAL ROOT TO WALL	.1036	.3591	.2956	.2408	.3195	.2626	.2841	.0250
120	TRAGION TO WALL	-.0271	.0233	.0046	.0402	-.0204	.2348	.2732	.1104
121	LARYNX TO WALL	.0325	.1809	.2448	.2698	.2281	.2859	.2177	.1744
122	HEAD CIRCUMFERENCE	.3096	.6621	.4963	.4567	.5197	.5236	.4719	.0504
123	SAGITTAL ARC	.2292	.3261	.2617	.2431	.2081	.1920	.1855	-.0562
124	BITRAG-CORONAL ARC	.2027	.4450	.1872	.0663	.2005	.1984	.2453	-.0478
125	MINIMUM FR"TAL ARC		.3448	.2244	.1348	.2692	.1875	.0570	-.0677
126	BIT-MIN-FR"TAL ARC	.3448		.4956	.3550	.6195	.1968	.1113	.0778
128	BIT-MENTON ARC	.2244	.4956		.7210	.7674	.4080	.1688	.1350
129	BIT-SUBMANDIBULAR	.1348	.3550	.7210		.6079	.4212	.1679	.2065
130	BIT-SUBNASALE ARC	.2692	.6195	.7674	.6079		.3527	.1562	.0851
131	POSTERIOR ARC	.1876	.1968	.4080	.4212	.3527		.6554	.1267
132	BITRAG-INION ARC	.0670	.1113	.1688	.1679	.1562	.6554		-.0194
133	AGE	-.0677	.0778	.1350	.2065	.0851	.1267	-.0194	

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Section VII

THE CORRELATIONS--USAF BASIC TRAINEES--1965

The USAF male survey of 1965 (unpublished) was planned under the direction of H.T.E. Hertzberg, then Chief of the Anthropology Branch of the Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio and conducted during the spring and summer of 1965. One hundred and fifty-seven body size dimensions and grip strength were measured. Somewhat over 500 officers and about 800 enlisted men were measured in the early stages of the survey. The major portion of the survey took place at Lackland Air Force Base near San Antonio, Texas where the 2632 basic trainees used in this study were measured. The measuring team consisted of Antioch College students supervised during the first half of the survey by Mr. Hertzberg and later by Milton Alexander and Charles E. Clauser of the Aerospace Medical Research Laboratory, and Lloyd Laubach of the Anthropology Research Project.

Only the data for the basic trainees have been used here. These men ranged in age from 17 to 28 years, with 90% of the sample less than 21 years old. By race, the sample divided into 84% Whites, 15% Blacks, and less than 1% other. Nine percent were born in New England, 14% in mid-Atlantic states, 18% in south-Atlantic states, 20% in the east-north-central states, 9% in the east-south-central states, 6% in the west-north-central states, 13% in the west-south-central states, 3% in the mountain states, 6% in the Pacific states, and 3% were foreign born. Five percent had less than a high school education, 79% were high school graduates, and 16% had some college or special training.

The correlations of age, the 157 body measurements, grip strength, and reported stature and reported weight are included in Table VII. (Missing variable numbers 160-168 represent background data on rank, race, marital states, etc.)

TABLE VII

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 AGE		.1032	.1374	.0563	.0743	.1184	.1010	-.0392	.1610	-.0002	.0014	.0033	.0009	-.0045	-.0120
2 WEIGHT	.1032		.6855	.5838	.4543	.6815	.6574	.3554	-.4293	.4740	.4758	.4802	.4759	.4363	.3987
3 SKF SUBSCAPULAR	.1374	.6855		.6150	.4486	.7732	.7173	.3375	-.1644	.0616	.0724	.0894	.0981	.0904	-.1058
4 SKF TRICEPS	.0563	.5838	.6150		.5446	.6398	.6456	.3000	-.0656	.0358	.0492	.0614	.0781	.0848	-.1058
5 SKF JUXTA NIPPLE	.0743	.4543	.4486	.5446		.4819	.5170	.2538	-.0910	.0496	.0511	.0609	.0800	.0848	-.0978
6 SKF MAL XIPHOID	.1184	.6815	.7732	.6398	.4819		.8179	.3305	-.1283	.0328	.0560	.0774	.0990	.1116	.1310
7 SKF SUPRA ILIAC	.1010	.6574	.7173	.6456	.5170	.8179		.3362	-.1283	.0496	.0746	.0789	.0982	.1259	.1484
8 SKF DORSAL HAND	-.0392	.3554	.3375	.3000	.2538	.3305	.3362		.0899	.0808	.0869	.0869	.0915	.0851	.0884
9 GRIP STRENGTH	.1610	-.4293	-.1644	-.0656	-.0910	-.1283	-.1283	.0899		.3260	.3084	.3104	.2951	.2478	.1556
10 HEIGHT (STATURE)	-.0002	.4740	.0616	.0358	.0496	.0328	.0496	.0808	.3260		.9780	.9587	.9240	.8324	.7638
11 CERVICALE HEIGHT	.0014	.4758	.0724	.0492	.0511	.0560	.0746	.0869	.3084	.9780		.9698	.9289	.8346	.7624
12 SHOULDER(ACROM) HT	.0033	.4802	.0894	.0614	.0609	.0774	.0789	.0869	.3104	.9587	.9698		.9698	.8875	.8111
13 ELBOW (RADIALE) HT	.0009	.4759	.0981	.0781	.0800	.0990	.0982	.0915	.2951	.9240	.9289	.9698		.9411	.8726
14 WRIST (STYLION) HT	-.0045	.4363	.0904	.0848	.0848	.1116	.1259	.0851	.2478	.8324	.8346	.8875	.9411		.9210
15 DACTYLION HEIGHT	-.0120	.3987	-.1058	-.1058	-.0978	.1310	.1484	.0884	.1556	.7638	.7624	.8111	.8726	.9210	
16 SUPRASTERNALE HT	-.0060	.4363	.0904	.0480	.0495	.0542	.0874	.0884	.2478	.9726	.9289	.8875	.9280	.8330	.7345
17 CHEST (NIPPLE) HT	-.0384	.3987	.0814	.0473	.0207	.0357	.0422	.0874	.3316	.9437	.9426	.9493	.9139	.8219	.6683
18 WAIST HEIGHT (OMP)	-.0389	.3683	-.0105	-.0308	-.0207	-.0455	-.0357	.0422	.2883	.9078	.9190	.9087	.8580	.7507	.6370
19 ILIOCRISTALE	-.0346	.3445	-.0200	-.0390	-.0335	-.0515	-.0529	.0261	.2932	.8865	.8977	.8986	.8395	.7192	.6020
20 TROCHANTERIC HT	-.0484	.3956	-.0396	-.0181	-.0132	-.0146	-.0332	.0729	.2952	.8552	.8692	.8655	.7995	.6706	.5855
21 BUTTOCK HEIGHT	-.0582	.3547	-.0152	-.0125	-.0127	-.0205	-.0396	.0461	.2687	.8378	.8611	.8471	.7900	.6720	.5901
22 CROTCH HEIGHT	-.0661	.3122	-.0323	-.0274	-.0275	-.0058	-.0470	.0128	.2554	.8574	.8767	.8618	.7938	.6655	.5865
23 GLUTEAL FURROW HT	-.0639	.3039	-.0128	-.0539	-.0483	-.0499	-.0801	.0180	.2641	.8499	.8724	.8521	.7973	.6707	.5938
24 PATELLA TOP HEIGHT	-.0185	.3698	-.0096	-.0657	-.0503	-.0476	-.0786	.0162	.2573	.8454	.8641	.8371	.7965	.6738	.5889
25 PATELLA BOTTOM HT	-.0341	.3641	-.0371	-.0176	-.0104	-.0000	-.0279	.0462	.2920	.8276	.8448	.7270	.7835	.6643	.5024
26 CALF HEIGHT	-.0473	.3256	-.0484	-.0274	-.0288	-.0069	-.0201	.0479	.2440	.7161	.7438	.7270	.6903	.5872	.2273
27 ANKLE HEIGHT	-.0608	.1361	-.0521	-.0260	-.0133	-.0075	-.0270	.0182	.1693	.3314	.3181	.3389	.3036	.2276	.3994
28 MED"L MALLEOLUS HT	.0113	.2789	-.0056	-.0572	-.0817	-.0413	-.0332	-.0296	.2179	.4451	.4282	.4178	.4246	.4230	.4028
29 LAT"L MALLEOLUS HT	-.0049	.1965	.0572	.0729	.0941	.0707	-.1099	-.1133	.1427	.4042	.3956	.3953	.4003	.4043	.3133
30 SPHYRION HEIGHT	-.0229	.1488	-.0573	-.0244	-.0550	-.0720	-.0801	-.1008	.1427	.3537	.3160	.3325	.3252	.3129	.6459
31 SITTING HEIGHT	.0678	.4124	-.0144	-.0218	-.0090	-.0702	-.0310	-.0679	.2560	.7317	.6750	.6468	.6631	.6607	.6333
32 EYE HEIGHT SITTING	.0811	.3804	-.0796	-.0925	-.1272	-.0702	-.1509	-.1167	.2526	.7094	.6593	.6339	.6513	.6479	.6930
33 MID SHOULDER HT/S	.0972	.4332	.0570	.0783	.1134	.0491	.1225	.1080	.2293	.6825	.6689	.6770	.6985	.7015	.4782
34 ELBOW REST HT SIT	.1001	.1828	.1114	.1390	.1563	.1268	.1835	.1234	.0413	.1932	.1686	.2171	.3275	.4281	.6083
35 KNEE HEIGHT SIT	-.0306	.5244	.0905	.1327	.1500	.1308	.1926	.0986	.3544	.8728	.8282	.8757	.8202	.6937	.5411
36 POPLITEAL HT/SIT	-.0599	.2885	-.1426	.0888	.0697	.1043	.1145	.1190	.2869	.8296	.8481	.8303	.7661	.6338	.5591
37 BUTTOCK KNEE LNGTH	-.0174	.6622	.3229	.2600	.1916	.3045	.2715	.1636	.3341	.7656	.7894	.7916	.7394	.6351	.5052
38 BUTTOCK POP LENGTH	-.0190	.5855	.2881	.2323	.1590	.2720	.2386	.1352	.2960	.7064	.7327	.7315	.6794	.5762	.4529
39 SHOULDER-ELBOW LTH	-.0100	.3872	.0439	.0213	.0082	.0172	.0137	.0652	.2823	.7941	.8069	.8167	.6787	.5468	.3448
40 ELBOW WRIST LENGTH	-.0029	.4061	.0753	.0348	.0430	.0565	.0304	.0750	.3540	.7234	.7424	.7283	.6459	.4662	.3315
41 FUNCTIONAL REACH	-.0125	.3948	.0945	.0561	.0374	-.1268	-.1504	-.0170	.3110	.6761	.7594	.6666	.5771	.4370	.3195
42 SLEEVE INSEAM	-.0432	.2053	-.0634	-.1144	-.1043	-.1268	-.1541	-.1205	.2251	.7427	.7594	.7276	.6054	.4206	.1887
43 BIACROMIAL BREADTH	-.0693	.4770	.2198	.1151	.1372	.1561	.1541	.1205	.3232	.4011	.4042	.3451	.3155	.2450	.2267
44 BIDELTOID BREADTH	.1486	.8153	.5670	.4308	.3694	.5387	.5315	.2811	.4146	.3210	.3227	.3143	.3003	.2646	.2512
45 CHEST BREADTH/SKIN	.1399	.8034	.5849	.4814	.3937	.6055	.6040	.2856	.3459	.2565	.2590	.2726	.2731	.2668	

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 CHEST BREADTH/BONE	.1373	.6914	.4596	.3776	.3069	.4757	.4767	.2397	.3230	.2530	.2606	.3010	.3155	.3211	.2658
47 WAIST BRDTH (OMP)	.1464	.8552	.6883	.5947	.4633	.7589	.7521	.3266	.2485	.2910	.3073	.3176	.3218	.3215	.3155
48 BI-ILIOCRISTALE	.1519	.8500	.6859	.5943	.4589	.7559	.7472	.3179	.2503	.2932	.3091	.3166	.3248	.3308	.3242
49 HIP BREADTH	.0970	.8525	.5881	.5926	.4210	.6395	.6313	.2814	.2880	.4143	.4205	.4250	.4275	.4095	.3951
50 HIP BREADTH SIT	.1084	.8753	.6497	.6312	.4659	.6987	.6890	.3167	.2579	.3604	.3632	.3689	.3733	.3572	.3613
51 BITROCHANTERC/BONE	.0834	.7485	.4595	.4384	.3188	.4986	.4870	.2436	.2850	.5325	.5339	.5377	.5327	.5150	.4806
52 ELBOW BREADTH	.0120	.5131	.2477	.1993	.1668	.2193	.2175	.1735	.3601	.3604	.3532	.3461	.3351	.2958	.2517
53 MAX F"ARM-F"ARM BR	.1471	.7015	.5234	.4821	.4036	.5592	.5557	.2765	.2959	.1280	.1324	.1326	.1459	.1505	.1590
54 WRIST BREADTH	.0090	.4250	.1374	.0747	.0818	.0379	.1052	.1515	.4059	.3961	.3746	.3571	.3422	.3122	.2308
55 KNEE BREADTH	.0193	.6505	.3032	.3290	.2743	.3041	.3087	.2205	.3500	.4816	.4646	.4582	.4478	.4197	.3771
56 KNEE-KNEE BR SIT	.0430	.7568	.5450	.5559	.3621	.5832	.5727	.3108	.2586	.2521	.2593	.2712	.2855	.2712	.2408
57 CHEST DEPTH	.1475	.8106	.6641	.5393	.4447	.6691	.6485	.3115	.3189	.1935	.2032	.2282	.2350	.2230	.1959
58 WAIST DEPTH (OMP)	.1220	.8446	.7253	.5860	.4596	.7574	.7354	.3148	.2436	.1931	.2022	.2109	.2088	.1915	.1820
59 ABDOMINAL DPTH/SIT	.1054	.8230	.6999	.5740	.4252	.7365	.6801	.2938	.2195	.2208	.2330	.2417	.2453	.2296	.2260
60 BUTTOCK DEPTH	.0877	.8739	.7111	.6354	.4742	.7312	.7052	.3390	.2668	.2177	.2330	.2444	.2605	.2506	.2350
61 THIGH CLEAR HT SIT	.0396	.8139	.5885	.5515	.4024	.5965	.5793	.2773	.2926	.2438	.2542	.2606	.2712	.2415	.2275
62 NECK CIRC MAXIMUM	.1552	.7655	.5888	.4369	.3957	.5491	.5445	.3060	.3824	.1661	.1647	.1682	.1792	.1837	.1593
63 SHOULDER CIRC	.1335	.8668	.6288	.4603	.3680	.5875	.5821	.2921	.4493	.3083	.3075	.3041	.2884	.2532	.2094
64 CHEST CIRCUMF"ENCE	.1330	.8614	.6475	.5272	.4335	.6529	.6438	.3147	.3804	.2458	.2474	.2734	.2787	.2732	.2395
65 WAIST CIRC (OMPH)	.1450	.8862	.7380	.6349	.4996	.7975	.7872	.3409	.2511	.2570	.2715	.2833	.2883	.2815	.2384
66 BUTTOCK CIRC	.0883	.9364	.6973	.6415	.4782	.7315	.7109	.3433	.3189	.3560	.3609	.3690	.3754	.3594	.3453
67 BUTTOCK CIRC/SIT	.1138	.9084	.6967	.6311	.4711	.7352	.7186	.3495	.2983	.3185	.3252	.3363	.3439	.3308	.3221
68 VERTICAL TRUNK CIR	.1222	.8213	.4858	.4262	.3491	.4892	.5027	.2541	.3467	.6336	.6268	.6371	.6564	.6485	.6337
69 VERT TRUNK CIR SIT	.1318	.7590	.4219	.3692	.3108	.4330	.4503	.2269	.3399	.6466	.6367	.6487	.6648	.6608	.6414
70 UPPER THIGH CIRC	.0751	.9119	.7014	.6764	.4913	.7365	.7262	.3160	.3156	.2204	.2154	.2243	.2399	.2271	.2172
71 THIGH CIRC SITTING	.0724	.9139	.7071	.6622	.4851	.7376	.7262	.3467	.3156	.2311	.2427	.2566	.2654	.2428	.2334
72 LOWER THIGH CIRC	.0382	.8714	.5962	.5776	.4138	.6159	.5922	.3106	.3360	.2460	.2485	.2545	.2654	.2435	.2295
73 KNEE CIRCUMFERENCE	.0207	.8753	.5685	.5114	.3527	.5569	.5558	.3254	.3731	.4715	.4682	.4727	.4674	.4333	.3989
74 KNEE CIRC SITTING	.0193	.8746	.5643	.5437	.3771	.5775	.5530	.3234	.3325	.4447	.4522	.4550	.4490	.4106	.3734
75 CALF CIRCUMFERENCE	.0587	.8609	.5770	.5477	.4016	.5724	.5737	.3258	.3595	.2716	.2686	.2671	.2727	.2535	.2384
76 ANKLE CIRCUMF"ENCE	-.0186	.7368	.4091	.4221	.3148	.4100	.4248	.2882	.3434	.3968	.3930	.3889	.3945	.3777	.3453
77 SCYE CIRCUMFERENCE	.1547	.8386	.5699	.4562	.3901	.5535	.5550	.3128	.4595	.3590	.3625	.3794	.3493	.3133	.2689
78 BICEPS CIRC EXT	.1316	.8433	.6432	.5857	.4365	.6420	.6380	.3319	.4305	.1320	.1327	.1388	.1600	.1537	.1258
79 BICEPS CIRC FLEXED	.1251	.8085	.5965	.5200	.3898	.5841	.5885	.3041	.4649	.1335	.1292	.1335	.1502	.1462	.1104
80 ELBOW CIRC EXT	.0937	.8307	.5387	.4488	.3632	.5051	.4323	.3146	.5062	.3498	.3456	.3438	.3421	.3099	.2441
81 ELBOW CIRC FLEXED	.0782	.5888	.2733	.2355	.1992	.2368	.2552	.1983	.4727	.3695	.3660	.3633	.3452	.3033	.2276
82 FOREARM CIRC EXT	.1176	.8367	.5388	.4414	.3548	.5000	.4961	.3225	.5590	.2932	.2862	.2834	.2820	.2591	.1943
83 FOREARM CIR FLEXED	.1266	.7725	.4754	.3874	.3285	.4377	.4473	.2847	.5592	.2488	.2425	.2407	.2403	.2205	.1614
84 WRIST CIRCUMF"ENCE	.0241	.6740	.3380	.2647	.2272	.2899	.2996	.1606	.4995	.4575	.4444	.4370	.4146	.3570	.2735
85 SL SPINE/SCYE	.1443	.5552	.3386	.3008	.2807	.3422	.3547	.1606	.3382	.2621	.2576	.2584	.2602	.2486	.2188
86 SL SPINE-ELBOW	.1107	.6145	.2583	.2120	.1807	.2280	.2258	.1523	.3954	.6935	.6989	.6683	.5737	.4662	.3945
87 SL SPINE-WRIST	.0712	.5905	.2138	.1452	.1292	.1594	.1621	.1461	.4231	.7687	.7763	.7530	.6554	.5145	.4176
88 ANTERIOR NECK LGTH	-.0436	-.1035	-.2464	-.2395	-.1474	-.2492	-.2075	-.1567	.0162	.3416	.3054	.2786	.2652	.2633	.2530
89 POSTERIOR NECK LTH	-.0414	.0525	-.0391	-.1134	-.0962	-.0843	-.0549	-.0351	.1446	.2689	.1412	.1865	.1784	.1746	.1488
90 SHOULDER LENGTH	.0317	.1667	-.0057	-.0303	.0208	-.0563	-.0784	-.0575	.1382	.3464	.3547	.2315	.2196	.1748	.1094

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

#	Measurement	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
91	DELTOID ARC	.0041	.2125	.0105	-.0692	-.0122	-.0448	-.0536	.0396	.2007	.5199	.5221	.5503	.4494	.3655	.3167
92	INTERSCYE	.0547	.5585	.3767	.2927	.2644	.3636	.3683	.1805	.2740	.2012	.2067	.1859	.1843	.1666	.1389
93	INTERSCYE MAXIMUM	.1155	.6594	.4164	.3385	.3022	.4414	.4394	.2260	.3651	.3119	.3032	.2997	.2975	.2813	.2473
94	WAIST FRONT	.0858	.5731	.3604	.2823	.2458	.3440	.3352	.1912	.2112	.4468	.4165	.4104	.4266	.4209	.4100
95	CROTCH LENGTH	.0801	.7800	.5483	.5163	.3754	.5685	.5900	.2936	.2985	.3806	.3732	.3796	.3995	.3879	.3918
96	WAIST BACK	.0742	.4325	.1692	.1430	.1590	.1538	.1873	.0904	.1677	.6130	.6465	.5829	.5907	.5869	.5709
97	FOOT LENGTH	-.0125	.4732	.1182	.0532	.0437	.0531	.0402	.0921	.4068	.6838	.6857	.6665	.6197	.5080	.3858
98	BALL-OF-FOOT LNGTH	-.0299	.4503	.1255	.0656	.0274	.0734	.0540	.0862	.3696	.6076	.6095	.5986	.5555	.4550	.3492
99	BALL-OF-FOOT BRDTH	-.0221	.5584	.2500	.1796	.1507	.1986	.1974	.1831	.3746	.4359	.4321	.4128	.3941	.3414	.2715
100	BI-MALLEOLAR BRDTH	-.0096	.5085	.1540	.1470	.1283	.1127	.1252	.1526	.3621	.4995	.4902	.4733	.4521	.3947	.3289
101	BALL-OF-FOOT GIRTH	-.0172	.6209	.2697	.1909	.1510	.2104	.2116	.2070	.4291	.5005	.4909	.4902	.4556	.4017	.3326
102	INSTEP CIRCUMF"NCE	.0182	.6395	.2867	.2208	.1636	.2323	.2081	.2101	.4125	.5364	.5372	.5234	.4973	.4234	.3482
103	HEEL-ANKLE CIRCUMF	-.0013	.6713	.2842	.1993	.1495	.2146	.1970	.1985	.4439	.6549	.6546	.6412	.6057	.5113	.4183
104	HAND LENGTH	.0015	.3530	.0402	-.0105	-.0118	-.0295	-.0453	.0624	.3981	.6241	.6263	.6055	.5545	.4309	.2557
105	PALM LENGTH	.0160	.2950	.0368	-.0130	.0230	-.0162	-.0421	.0421	.3338	.5416	.5452	.5271	.4849	.3806	.2353
106	HAND BREADTH/META	.0566	.4846	.1625	.1247	.1533	.1289	.1431	.1850	.4567	.5897	.3738	.3664	.3478	.2945	.1978
107	HAND CIRC/META	.0647	.5386	.1827	.1322	.1368	.1335	.1450	.1959	.4932	.4418	.4267	.4172	.3913	.3344	.2387
108	HAND CIRC/THUMB	.0661	.6220	.2647	.1694	.1621	.1893	.2055	.2377	.5865	.4407	.4201	.4123	.3887	.3278	.2346
109	THICKNESS META/III	.0680	.3824	.1669	.1504	.1502	.1419	.1744	.1632	.3359	.2460	.2300	.2307	.2259	.2008	.1477
110	FINGER DIAM III	.0646	.4612	.1975	.0978	.0988	.1210	.1427	.2208	.4455	.3629	.3453	.3444	.3247	.2793	.1902
111	HEAD CIRCUMFERENCE	.0543	.4464	.2852	.2296	.1764	.2118	.2486	.1829	.2388	.2583	.2304	.2267	.2218	.1977	.1682
112	SAGITTAL ARC	.0352	.1758	.0643	.0815	.0407	.0075	.0633	.0747	.0765	.2484	.1920	.1937	.1943	.1674	.1765
113	MINIMUM FRONTL ARC	-.0019	.2149	.1059	.0701	.0220	.0828	.1057	.1101	.0949	.0992	.0711	.1014	.0891	.0435	.0669
114	BIT-CORONAL ARC	.0306	.3634	.2143	.2024	.1441	.1912	.2152	.1778	.1302	.2891	.2437	.2342	.2396	.2296	.2239
115	BIT-MIN FRONTAL A	.0754	.4772	.2600	.2380	.1878	.2222	.2509	.2058	.2467	.3211	.3056	.2720	.2907	.2595	.2107
116	BIT-SUBNASALE ARC	.0985	.5498	.3508	.2736	.2108	.2810	.2783	.1968	.3443	.2687	.2702	.2702	.2589	.2075	.1483
117	BIT-MENTON ARC	.1243	.5898	.3761	.2934	.2549	.3071	.3071	.1956	.3573	.3064	.3006	.3015	.2827	.2384	.1810
118	BIT-SUBMANDIB ARC	.1334	.6109	.4373	.3416	.2998	.3900	.3896	.2381	.3159	.2962	.2820	.2869	.2781	.2559	.2144
119	BIT-POSTERIOR ARC	.1089	.5727	.4557	.3293	.2789	.4077	.4161	.2166	.2599	.2028	.1882	.2059	.2110	.2203	.2118
120	HEAD LENGTH	.0491	.3083	.1541	.1136	.0979	.0689	.1131	.1125	.2103	.2620	.2371	.2281	.2223	.1927	.1513
121	MAX HEAD DIAG/MENT	.0564	.2489	.2489	.1793	.1600	.1527	.1765	.1372	.2949	.3869	.3433	.3339	.3209	.2709	.2180
122	MAX HEAD DIAG/NUCH	.1139	.5801	.3910	.3129	.2907	.3559	.3831	.2486	.2951	.3179	.2947	.2957	.2901	.2804	.2522
123	EAR LENGTH	.0664	.3090	.1892	.2129	.1857	.2076	.2269	.1314	.1084	.2336	.2216	.2193	.2179	.2098	.1996
124	EAR LGTH ABOVE TRG	.0387	.1545	.0740	.0865	.0801	.0775	.1020	.0569	.0932	.1497	.1427	.1360	.1317	.1304	.1116
125	EAR BREADTH	.0000	.1741	.0954	.0834	.0521	.0381	.0817	.0795	.0819	.1335	.1209	.1209	.1268	.1108	.0929
126	EAR PROTRUSION	.0076	.0774	.0282	.0570	.0549	.0420	.0790	.0795	.0166	.0700	.0594	.0535	.0591	.0710	.0623
127	HEAD BREADTH	.0494	.3467	.2527	.2267	.1865	.2485	.2587	.1516	.1004	.0875	.0753	.0804	.0838	.0916	.0924
128	AGE	-.0364	.2747	.1489	.1427	.1547	.1755	.2289	.1537	.1004	.1635	.1466	.1478	.1541	.1761	.1844
129	BITRAGION DIAMETER	.0650	.4129	.2825	.2200	.1972	.2774	.2791	.1523	.2089	.1740	.1722	.1843	.1770	.1743	.1633
130	BIZYGOMATIC DIAM	.1149	.5208	.3642	.3106	.2816	.3484	.3503	.2169	.2563	.2871	.1856	.2030	.2047	.1670	.1400
131	MAX FRONTAL DIAM	.0483	.4094	.2052	.2052	.1729	.2311	.2397	.1404	.2098	.2097	.2069	.2090	.2017	.1741	.1400
132	BIGONIAL DIAMETER	.0918	.4531	.2972	.2675	.2248	.2566	.2863	.1785	.2098	.2136	.2045	.2121	.2040	.1980	.1887
133	BIOCULAR DIAMETER	.0149	.3209	.2309	.0896	.0505	.1517	.1324	.0997	.2212	.1518	.1517	.1470	.1250	.0782	.0237
134	INTERPUPILLARY DST	-.0465	.2230	.1405	.0348	.0139	.0713	.0518	.0323	.1795	.1376	.1398	.1368	.1116	.0591	.0024
135	INTEROCULAR DIAM	.0042	.1504	.0963	.0331	.0211	.0484	.0200	.0591	.1245	.0599	.0656	.0658	.0500	.0093	-.0391

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136	NASAL ROOT BREADTH	-0143	.1371	.1132	.0289	-0178	.0532	.0181	.0340	.1157	.0503	.0517	.0515	.0413	-0135	-0220
137	NASAL BREADTH	-0214	.1383	.1129	-0474	-0546	-0067	-0705	.0285	.2089	.0305	.0421	.0367	.0071	-0730	-1464
138	NOSE PROTRUSION	.0465	.1085	-0083	.0076	.0038	.0011	.0432	.0119	.0617	.1685	.1459	.1586	.1566	.1691	.1699
139	PHILTRUM LENGTH	.0243	.1288	.0634	.0324	.0116	.0354	-0022	.0619	.0709	.0573	.0597	.0531	.0563	.0391	.0198
140	LIP-LIP DISTANCE	-0817	.0403	.0199	-0941	-0955	-0921	-1426	-0621	.1389	.0730	.0805	.0669	.0313	-0555	-1180
141	LIP LENGTH	.0628	.2630	.0939	.0150	-0463	-0223	.0178	-0045	.1573	.0599	.0600	.0637	.0518	-0064	-0301
142	LIP LENGTH SMILING	.0335	.1850	.1153	.0511	.0555	.0652	.0708	.0423	.1441	.0812	.0730	.0749	.0711	.0394	.0253
143	MENTON-SUBNASALE L	-0040	.1625	.0549	.0191	.0323	-0141	-0174	.0564	.1472	.1692	.1595	.1498	.1227	.0606	.0218
144	MENTON-NASAL RT DP	.0403	.2263	.0597	.0203	.0468	.0004	-0017	.0667	.1863	.2700	.2567	.2445	.2149	.1567	.1111
145	SUBNAS-NAS RT DPTH	.0519	.1237	-0072	-0252	-0214	-0294	-0057	.0195	.1044	.2290	.2154	.2103	.1938	.1779	.1515
146	VERTEX-GLABELLA HT	.0201	.0700	.0184	.0549	.0499	.0102	.0452	.0526	.0397	.0573	.0069	.0008	.0152	.0402	.0370
147	VERTEX-NASAL RT DP	.0019	.0819	.0131	.0322	.0366	-0051	.0208	.0577	.0612	.0925	.0378	.0297	.0395	.0433	.0291
148	VERTEX-EXT CANT HT	.0139	.1305	.0576	.0754	.0694	.0439	.0715	.0790	.0561	.0742	.0167	.0060	.0155	.0312	.0212
149	VERTEX-PRONASALE H	-0344	.0398	-0433	-0137	-0123	-0547	-0138	.0437	.0549	.0860	.0302	.0204	.0287	.0421	.0304
150	VERTEX-STOMION HT	.0250	.1312	.0048	.0042	.0139	-0493	-0164	.0592	.1350	.1700	.1128	.0985	.0945	.0793	.0431
151	VERTEX-MENTON HT	.0276	.2031	.0424	.0349	.0490	-0228	.0075	.1096	.1730	.2229	.1702	.1553	.1423	.1071	.0687
152	VERTEX-TRAGION HT	.0327	.2255	.1256	.1335	.1034	.1112	.1543	.1356	.0533	.2061	.1465	.1302	.1417	.1498	.1498
153	WALL-GLABELLA DIST	.0452	.3555	.1916	.1604	.1303	.1092	.1489	.1356	.2195	.2702	.2520	.2421	.2331	.2009	.1615
154	WALL-NAS RT DEP DT	.0452	.3693	.1973	.1664	.1317	.1191	.1632	.1325	.2199	.2929	.2768	.2709	.2628	.2347	.1975
155	WALL-EX CANT DIST	.0351	.3168	.2030	.1385	.0959	.1065	.1408	.1157	.2162	.2340	.2198	.2121	.2023	.1658	.1288
156	WALL-PRONASALE DST	.0570	.4211	.2349	.1754	.1298	.1526	.1798	.1362	.2431	.3439	.3360	.3344	.3183	.2776	.2398
157	WALL-STOMION DIST	-0079	.4019	.2671	.1540	.1060	.1451	.1294	.1072	.2493	.2862	.2926	.2859	.2610	.1903	.1401
158	WALL-MENTON DIST	.0760	.4960	.3635	.2562	.1997	.3013	.2361	.1467	.2312	.3115	.3262	.3257	.3113	.2778	.2502
159	WALL-TRAGION DIST	.0048	.2167	.1520	.0912	.0646	.0732	.1048	.0692	.1305	.2018	.1931	.1899	.1836	.1531	.1401
169	WEIGHT REPORTED	.1054	.9826	.6691	.5763	.4478	.6667	.6452	.3540	.4191	.4771	.4813	.4848	.4815	.4384	.4033
170	STATURE REPORTED	.0158	.4874	.0890	.0558	.0710	.0596	.0753	.0839	.3371	.9440	.9329	.9132	.8773	.7934	.7301

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1 AGE	-.0060	-.0384	-.0389	-.0346	-.0484	-.0582	-.0661	-.0639	-.0185	-.0341	-.0473	-.0008	.0113	-.0049	-.0229
2 WEIGHT	.4807	.3683	.3445	.3956	.3547	.3466	.3122	.3030	.3698	.3641	.3256	.1361	.2789	.1965	.1488
3 SKF SUBSCAPULAR	.0814	-.0105	-.0152	.0396	.0152	.0323	-.0128	-.0096	-.0371	-.0274	-.0260	-.0056	.0572	-.0573	-.0144
4 SKF TRICEPS	.0473	-.0308	-.0390	.0181	-.0125	-.0274	-.0539	-.0657	-.0176	-.0274	.0260	-.0572	.0729	.0244	-.0218
5 SKF JUXTA NIPPLE	.0480	-.0207	-.0335	.0132	-.0127	-.0275	-.0483	-.0503	-.0104	-.0288	.0133	-.0817	.0941	.0550	-.0090
6 SKF MAL XIPHOID	.0495	-.0455	-.0515	.0146	-.0205	-.0058	-.0499	-.0476	-.0000	-.0069	.0075	-.0413	.0707	.0720	-.0272
7 SKF SUPRA ILIAC	.0542	-.0357	-.0529	.0332	-.0396	-.0470	-.0801	-.0786	-.0279	-.0201	-.0270	-.0332	.1099	.0801	.0310
8 SKF DORSAL HAND	.0874	.0422	-.0261	.0729	.0461	.0128	.0180	.0162	-.0462	-.0182	.0182	-.0296	.1133	.1008	.0679
9 GRIP STRENGTH	.3316	.2883	.2932	.2952	.2687	.2554	.2641	.2573	.2920	.2922	.2440	.1693	.2179	.1427	.1722
10 HEIGHT (STATURE)	.9726	.9437	.9078	.8865	.8552	.8378	.8574	.8499	.8454	.8276	.7161	.3314	.4451	.4042	.3537
11 CERVICALE HEIGHT	.9714	.9426	.9190	.8977	.8692	.8611	.8767	.8724	.8641	.8448	.7438	.3181	.4282	.3956	.3160
12 SHOULDER(ACROM) HT	.9645	.9493	.9087	.8986	.8655	.8471	.8618	.8618	.8521	.8371	.7270	.3389	.4178	.3953	.3325
13 ELBOW(RADIALE) HT	.9280	.9493	.8580	.8395	.7995	.7900	.7938	.7973	.7965	.7835	.6903	.3036	.4003	.4003	.3252
14 WRIST(STYLION) HT	.8330	.8219	.7507	.7192	.6706	.6720	.6555	.6707	.6738	.6643	.5872	.2276	.4230	.4043	.3129
15 DACTYLION HEIGHT	.7495	.7345	.6683	.6370	.6020	.5855	.5901	.5865	.5938	.5889	.5024	.2273	.3994	.4028	.3133
16 SUPRASTERNALE HT		.9693	.9291	.9158	.8851	.8744	.8802	.8866	.8693	.8555	.7474	.3382	.4026	.3775	.3212
17 CHEST (NIPPLE) HT	.9693		.9320	.9146	.8869	.8792	.8889	.8996	.8667	.8552	.7493	.3439	.3807	.3768	.3232
18 WAIST HEIGHT (OMP)	.9291	.9320		.9382	.9159	.9018	.9292	.9294	.8956	.8852	.7764	.3457	.3447	.3656	.2949
19 ILIOCRISTALE	.9158	.9146	.9382		.9300	.9061	.9192	.9274	.8915	.8835	.7441	.4219	.3389	.3525	.3233
20 TROCHANTERIC HT	.8851	.8869	.9159	.9300		.9061	.9345	.9389	.9008	.8946	.7595	.4212	.2929	.3315	.2928
21 BUTTOCK HEIGHT	.8744	.8792	.9018	.8927	.9061		.9446	.9629	.8976	.8844	.8125	.2813	.2544	.3131	.1886
22 CROTCH HEIGHT	.8802	.8889	.9294	.9192	.9345	.9446		.9708	.9220	.9127	.8059	.3397	.2710	.3292	.2291
23 GLUTEAL FURROW HT	.8866	.8996	.9294	.9274	.9389	.9629	.9708		.9201	.9127	.8059	.3559	.2657	.3288	.2331
24 PATELLA TOP HEIGHT	.8693	.8667	.8956	.8915	.9008	.8976	.9220	.9201		.9722	.7947	.3576	.3272	.3974	.2705
25 PATELLA BOTTOM HT	.8555	.8553	.8852	.8835	.8946	.8844	.9117	.9127	.9722		.7833	.3693	.3272	.3977	.2798
26 CALF HEIGHT	.7474	.7493	.7764	.7441	.7595	.8125	.7947	.8059	.7947	.7833		.2025	.3068	.3390	.1677
27 ANKLE HEIGHT	.3382	.3439	.3457	.4219	.4212	.2813	.3397	.3559	.3576	.3693	.2025		.2739	.2157	.3650
28 MED"L MALLEOLUS HT	.4026	.3807	.3447	.3389	.2929	.2544	.2710	.2657	.3272	.3068	.2739	.2008		.6446	.7154
29 LAT"L MALLEOLUS HT	.3775	.3768	.3656	.3525	.3315	.3131	.3292	.3288	.3974	.3977	.3390	.2157	.6446		.5132
30 SPHYRION HEIGHT	.3212	.3232	.2949	.3233	.2928	.1886	.2291	.2331	.2705	.2798	.1677	.3650	.7154	.5132	
31 SITTING HEIGHT	.6438	.5879	.4756	.4462	.3717	.3260	.3320	.3202	.3754	.3514	.2846	.1770	.4842	.3392	.3753
32 EYE HEIGHT SITTING	.6294	.5723	.4602	.4370	.3658	.3176	.3222	.3135	.3618	.3375	.2731	.1775	.4782	.3232	.3649
33 MID SHOULDER HT/S	.6219	.5723	.4602	.4370	.3658	.3276	.3301	.3185	.3685	.3438	.2888	-.0073	.4586	.3143	.3282
34 ELBOW REST HT SIT	.1265	.0968	-.0328	-.0575	-.1251	-.1584	-.1671	-.1764	-.1056	-.1168	-.1162	-.0073	.2903	.1629	.1954
35 KNEE HEIGHT SIT	.8942	.8709	.8917	.8985	.9003	.8967	.9105	.9104	.9261	.9146	.7911	.3701	.3821	.3876	.2957
36 POPLITEAL HT/SIT	.8533	.8614	.8877	.8820	.8910	.8949	.9203	.9235	.9119	.9038	.7874	.3671	.3222	.3570	.2719
37 BUTTOCK KNEE LNGTH	.8128	.7721	.7946	.8253	.8088	.8238	.8082	.8096	.7599	.7511	.6880	.3671	.2173	.2281	.1569
38 BUTTOCK POP LENGTH	.7567	.7222	.7446	.7817	.7725	.7904	.7849	.8096	.7263	.7205	.6393	.2473	.1644	.1909	.1169
39 SHOULDER-ELBOW LTH	.8081	.7964	.7994	.8135	.7963	.7692	.7864	.7916	.7607	.7417	.6349	.3157	.3085	.2785	.2578
40 ELBOW WRIST LENGTH	.7533	.7367	.7548	.7780	.7783	.7751	.7927	.7877	.7691	.7443	.6621	.3170	.2003	.1660	.1487
41 FUNCTIONAL REACH	.6904	.6633	.6813	.6922	.6832	.6873	.6956	.6929	.6830	.6542	.5942	.2651	.2250	.2067	.1563
42 SLEEVE INSEAM	.7637	.7726	.8002	.8012	.8071	.7988	.8288	.8297	.7826	.7738	.6779	.3157	.1927	.2199	.1832
43 BIACROMIAL BREADTH	.4021	.3482	.3446	.3411	.3223	.3317	.2877	.3040	.3399	.3328	.2142	.1261	.2108	.1521	.1491
44 BIDELTOID BREADTH	.3203	.2271	.2156	.2438	.2124	.2114	.1737	.1734	.2431	.2301	.2090	.0864	.2135	.1145	.1093
45 CHEST BREADTH/SKIN	.2420	.1392	.1440	.1762	.1496	.1371	.1288	.1030	.1862	.1779	.1452	.0316	.1709	.1068	.0664

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 CHEST BREADTH/BONE	.2797	.2022	.1803	.2194	.1700	.1498	.0935	.1227	.1761	.1705	.1656	.0541	.1819	.1004	.0938
47 WAIST BRDTH (OMP)	.2860	.1696	.1475	.2255	.1810	.1786	.1403	.1322	.2039	.1994	.1634	.0514	.2285	.1590	.0966
48 BI-ILIOCRISTALE	.2855	.1686	.1482	.2067	.1646	.1709	.1310	.1216	.1932	.1873	.1660	.0152	.2357	.1651	.0837
49 HIP BREADTH	.4068	.3044	.2750	.3244	.2696	.2591	.2292	.2064	.2791	.2699	.2437	.0684	.3066	.1930	.1767
50 HIP BREADTH SIT	.3477	.2365	.2095	.2652	.2201	.2026	.1811	.1478	.2281	.2204	.1948	.0461	.2792	.1778	.1406
51 BITROCHANTERC/BONE	.5244	.4378	.3951	.4371	.3640	.3668	.3249	.3183	.3684	.3540	.3141	.1172	.3978	.2721	.2798
52 ELBOW BREADTH	.3577	.2956	.2892	.2970	.2751	.2716	.2677	.2522	.2950	.2719	.2334	.1520	.2394	.1480	.1635
53 MAX F"ARM-F"ARM BR	.1046	.0087	.0136	.0413	.0375	.0327	.0314	-.0036	-.0726	.0508	.0429	-.0007	.1411	.0415	.0137
54 WRIST BREADTH	.3885	.3451	.3280	.3229	.2970	.2968	.2837	.2739	.3270	.3113	.2853	.1855	.3343	.2377	.2717
55 KNEE BREADTH	.4671	.3890	.3674	.3899	.3513	.3224	.3195	.2986	.3703	.3296	.3026	.1674	.4170	.2503	.2899
56 KNEE-KNEE BR SIT	.2795	.1943	.1654	.2215	.1831	.1703	.1176	.1240	.1643	.1610	.1973	.0635	.2438	.1101	.1179
57 CHEST DEPTH	.2102	.1108	.1007	.1691	.1303	.1134	.0721	.0841	.1466	.1497	.1317	.0360	.1501	.0903	.0412
58 WAIST DEPTH (OMP)	.2101	.1058	.0825	.1580	.1325	.1334	.0932	.0874	.1475	.1497	.1419	.0561	.1271	.0724	.0324
59 ABDOMINAL DPTH/SIT	.2376	.1337	.1054	.1765	.1434	.1580	.1083	.1074	.1543	.1604	.1500	.0590	.1414	.0821	.0411
60 BUTTOCK DEPTH	.2483	.1453	.1151	.1846	.1533	.1755	.0934	.1006	.1525	.1648	.1750	.0428	.1361	.0789	.0212
61 THIGH CLEAR HT SIT	.2612	.1757	.1689	.2155	.1932	.2007	.1587	.1528	.2150	.2115	.2067	.0528	.1232	.0697	.0097
62 NECK CIRC MAXIMUM	.1602	.0645	.0543	.0951	.0702	.0705	.0254	.0279	.1006	.0972	.0975	.0593	.1573	.0823	.0695
63 SHOULDER CIRC	.3173	.2188	.2126	.2495	.2162	.2099	.1746	.1765	.2446	.2427	.2171	.1006	.2007	.1340	.1164
64 CHEST CIRCUMF"ENCE	.2554	.1618	.1426	.1960	.1612	.1484	.1190	.1159	.1874	.1790	.1608	.0443	.1632	.1045	.0589
65 WAIST CIRC (OMPH)	.2622	.1450	.1173	.2025	.1616	.1595	.1167	.1119	.1816	.1761	.1519	.0519	.1948	.1207	.0658
66 BUTTOCK CIRC	.3588	.2482	.2195	.2764	.2282	.2196	.1805	.1665	.2373	.2338	.2152	.0702	.2557	.1647	.1267
67 BUTTOCK CIRC/SIT	.3231	.2152	.1834	.2489	.1977	.1944	.1558	.1393	.2082	.2066	.1908	.0533	.2364	.1629	.1165
68 VERTICAL TRUNK CIR	.6078	.5107	.4200	.4251	.3683	.3367	.3153	.2989	.3804	.3668	.3230	.1600	.3877	.2720	.2488
69 VERT TRUNK CIR SIT	.6132	.5247	.4308	.4334	.3744	.3431	.3229	.3093	.3897	.3728	.3234	.1578	.4114	.2874	.2752
70 UPPER THIGH CIRC	.2226	.1180	.1009	.1604	.1263	.1271	.0843	.0770	.1452	.1473	.1494	.0271	.1337	.0751	.0176
71 THIGH CIRC SITTING	.2395	.1340	.1164	.1782	.1439	.1437	.1035	.0909	.1531	.1559	.1608	.0411	.1434	.0836	.0308
72 LOWER THIGH CIRC	.2616	.1607	.1516	.2019	.1800	.1559	.1272	.1155	.2030	.1923	.1562	.1115	.1709	.0941	.0759
73 KNEE CIRCUMFERENCE	.3871	.3871	.3708	.4107	.3742	.3668	.3400	.3263	.3999	.3941	.3527	.1571	.3140	.2543	.2061
74 KNEE CIRC SITTING	.4588	.3654	.3544	.4018	.3722	.3622	.3357	.3194	.3886	.3727	.3428	.1452	.2751	.1927	.1427
75 CALF CIRCUMFERENCE	.2734	.1768	.1598	.2025	.1649	.1506	.1248	.1137	.1908	.1930	.1359	.0409	.2308	.1404	.1106
76 ANKLE CIRCUMF"ENCE	.3916	.3098	.2874	.3121	.2743	.2640	.2456	.2286	.3064	.2951	.2109	-.0108	.3422	.2064	.1983
77 SCYE CIRCUMFERENCE	.3532	.2580	.2485	.2911	.2537	.2431	.2172	.2084	.2785	.2643	.2270	.1151	.2454	.1599	.1294
78 BICEPS CIRC EXT	.1470	.0395	.0298	.0745	.0439	.0497	.0107	.0050	.0727	.0643	.0789	.0060	.1196	.0425	.0132
79 BICEPS CIRC FLEXED	.1565	.0438	.0403	.0801	.0487	.0521	.0164	.0118	.0787	.0801	.0861	.0192	.1150	.0358	.0276
80 ELBOW CIRC EXT	.3649	.2636	.2553	.2860	.2590	.2649	.2304	.2233	.2931	.2779	.2591	.1252	.2779	.1681	.1610
81 ELBOW CIRC FLEXED	.3772	.3143	.3118	.3249	.3064	.2963	.2833	.2741	.3244	.3054	.2739	.1387	.2164	.1261	.1302
82 FOREARM CIRC EXT	.3055	.2065	.1982	.2307	.2021	.2015	.1710	.1640	.1930	.2257	.2144	.0952	.2284	.1257	.1221
83 FOREARM CIR FLEXED	.2588	.1678	.1591	.1836	.1588	.1541	.1272	.1205	.1847	.1847	.1671	.0777	.1931	.0831	.0931
84 WRIST CIRCUMF"ENCE	.4652	.3915	.3734	.4051	.3660	.3495	.3354	.3270	.3951	.3739	.3194	.1845	.3434	.2277	.2521
85 SL SPINE/SCYE	.2590	.1937	.1775	.1984	.1595	.1487	.1364	.1289	.1799	.1616	.1467	.0630	.1789	.0882	.0953
86 SL SPINE-ELBOW	.6902	.6260	.6282	.6414	.6030	.5827	.5915	.5849	.6039	.5824	.4998	.2244	.3334	.2432	.2270
87 SL SPINE-WRIST	.7591	.7295	.7389	.7601	.7328	.7099	.7248	.7213	.7259	.7094	.6031	.3205	.3103	.2540	.2410
88 ANTERIOR NECK LGTH	.2361	.2336	.2731	.2176	.2057	.1970	.2300	.2107	.2096	.2002	.1924	-.0236	.1860	.1654	.1539
89 POSTERIOR NECK LTH	.2292	.2336	.1957	.1639	.1364	.1517	.1497	.1390	.1428	.1657	.1441	-.0047	.1264	.1727	.1766
90 SHOULDER LENGTH	.3176	.2820	.2855	.1955	.1912	.3105	.2581	.2503	.2715	.2443	.3568	-.2377	.1623	.1315	-.0608

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
91 DELTOID ARC	.5227	.5309	.5189	.5448	.5190	.4658	.5111	.5041	.4926	.4720	.3638	.2773	.2406	.1904	.2564
92 INTERSCYE	.1954	.1192	.1449	.1532	.1269	.1277	.1049	.1047	.1589	.1416	.1559	.0228	.1330	.0896	.0466
93 INTERSCYE MAXIMUM	.3013	.2203	.2131	.2428	.1968	.1794	.1595	.1618	.2258	.2110	.1723	.1228	.2212	.1724	.1536
94 WAIST FRONT	.4583	.3695	.1687	.2303	.2128	.2242	.1744	.1805	.2285	.2190	.1825	.0995	.2434	.1547	.1486
95 CROTCH LENGTH	.3795	.2895	.2840	.2837	.2168	.1826	.1596	.1418	.2254	.2240	.1858	.1203	.2580	.1898	.2512
96 WAIST BACK	.5526	.4838	.3886	.3799	.3416	.3142	.3203	.3112	.3596	.3443	.3099	.1120	.3954	.2884	.2070
97 FOOT LENGTH	.6974	.6713	.6756	.6865	.6726	.6598	.6706	.6581	.6757	.6598	.5726	.3238	.2329	.1757	.1299
98 BALL-OF-FOOT LNGTH	.6266	.5996	.5121	.6224	.6129	.6101	.6140	.6015	.6148	.6066	.5236	.2848	.1351	.1135	.1299
99 BALL-OF-FOOT BROTH	.4387	.3898	.3759	.3908	.3723	.3614	.3569	.3389	.3901	.3799	.3116	.1799	.2695	.1867	.1841
100 BI-MALLEOLAR BROTH	.4942	.4417	.4213	.4237	.3936	.3768	.3812	.3620	.4219	.3921	.3214	.1944	.2976	.0891	.1700
101 BALL-OF-FOOT GIRTH	.4998	.4448	.4341	.4445	.4080	.3895	.3995	.3845	.4519	.4453	.3684	.2243	.3422	.2574	.2643
102 INSTEP CIRCUMF"NCE	.5514	.4975	.4907	.5078	.5004	.4855	.4748	.4676	.5226	.5053	.4381	.2572	.3564	.2481	.2731
103 HEEL-ANKLE CIRCUMF	.6730	.6186	.6147	.6337	.6162	.6061	.6006	.5901	.6455	.6309	.5327	.3019	.3575	.2748	.2763
104 HAND LENGTH	.6404	.6304	.6322	.6286	.6286	.6252	.6299	.6308	.6366	.6186	.5588	.2769	.2537	.2264	.2021
105 PALM LENGTH	.5571	.5472	.5525	.5496	.5416	.5467	.5494	.5496	.5533	.5347	.4860	.2057	.2293	.2114	.1722
106 HAND BREADTH/META	.3911	.3456	.3291	.3418	.3230	.3101	.2968	.2874	.3446	.3263	.2738	.1579	.2543	.1756	.2013
107 HAND CIRC/META	.4453	.3919	.3796	.3959	.3706	.3556	.3458	.3359	.3938	.3714	.3071	.2102	.2692	.1751	.2254
108 HAND CIRC/THUMB	.4430	.3801	.3734	.3805	.3590	.3471	.3399	.3279	.3889	.3772	.3220	.2074	.2821	.1806	.2233
109 THICKNESS META/III	.2409	.2066	.1846	.1987	.1751	.1580	.1517	.1448	.2013	.1868	.1509	.1094	.2225	.1610	.1733
110 FINGER DIAM III	.3653	.3255	.3034	.3120	.2922	.2767	.2713	.2608	.3106	.2973	.2466	.1896	.2854	.2019	.2425
111 HEAD CIRCUMFERENCE	.2398	.1973	.1823	.1993	.1921	.1703	.1597	.1530	.1954	.1919	.1869	.0760	.1297	.0933	.0972
112 SAGITTAL ARC	.2036	.1873	.1722	.1873	.1889	.1175	.1397	.1368	.1517	.1398	.0957	.2073	.1370	.0607	.1650
113 MINIMUM FRONTL ARC	.0971	.0836	.0732	.1540	.1623	.0158	.0614	.0664	.0836	.0987	-.0648	.4293	.0549	.0159	.2343
114 BIT-CORONAL ARC	.2340	.1868	.1801	.1813	.1642	.1431	.1373	.1280	.1650	.1628	.1443	.0502	.1656	.1241	.1257
115 BIT-MIN FRONTAL A	.3032	.2525	.2331	.2550	.2383	.2189	.2084	.2123	.2444	.2348	.2051	.1049	.1849	.1256	.1357
116 BIT-SUBNASALE ARC	.2890	.2360	.2229	.2571	.2456	.2358	.2206	.1992	.2560	.2535	.2252	.1345	.1305	.0781	.0868
117 BIT-MENTON ARC	.3118	.2543	.2351	.2635	.2509	.2355	.2201	.2110	.2595	.2450	.2348	.1422	.1753	.0984	.1094
118 BIT-SUBMANDIB ARC	.2881	.2128	.1908	.2249	.2032	.1823	.1649	.1560	.2214	.2122	.1841	.1121	.1942	.1257	.1160
119 BIT-POSTERIOR ARC	.1874	.1277	.1021	.1187	.0981	.1034	.0626	.0713	.1299	.1339	.1390	.0599	.1825	.1405	.1114
120 HEAD LENGTH	.2500	.2291	.2163	.2197	.2121	.1971	.1359	.1392	.2142	.2056	.2067	.0806	.1360	.0882	.1535
121 MAX HEAD DIAG/MENT	.3553	.3156	.3026	.3038	.3009	.2880	.2734	.2677	.2964	.2868	.2903	.1362	.1965	.1364	.1399
122 MAX HEAD DIAG/NUCH	.2933	.2369	.2085	.2379	.2059	.1910	.1779	.1670	.2225	.2167	.2032	.0800	.2149	.1674	.1513
123 EAR LENGTH	.2027	.1627	.1273	.1473	.1189	.0918	.0860	.0757	.1195	.1077	.0885	.0388	.2235	.1353	.0935
124 EAR LGTH ABOVE TRG	.1214	.1061	.0766	.0809	.0629	.0462	.0528	.0393	.0746	.0621	.0391	.0375	.1574	.0781	.0717
125 EAR BREADTH	.1229	.1185	.0994	.1066	-.0079	.0970	.0331	.0875	.1129	.1152	-.1029	.0384	.0995	.0796	.0972
126 EAR PROTRUSION	.0506	.0365	.0202	.0182	.0197	-.0156	-.0173	-.0237	-.0158	.0142	-.0127	.0099	.1334	.0737	.0972
127 HEAD BREADTH	.0705	.0208	.0157	.0344	.0175	-.0056	-.0116	-.0125	.0267	.0237	-.0161	.0208	.0644	.0349	.0283
128 AGE	.1228	.0780	.0482	.0605	-.1179	-.0185	-.0175	-.0270	.0363	.0292	-.0096	.0324	.2477	.1418	.1802
129 BITRAGION DIAMETER	.1652	.1199	.1053	.1312	.1179	.0955	.0819	.0822	.1249	.1257	.1038	.0940	.1542	.1231	.0779
130 BIZYGOMATIC DIAM	.1838	.1196	.1050	.1412	.1216	.1015	.0816	.0893	.1303	.1265	.1007	.0849	.1330	.0786	.1149
131 MAX FRONTAL DIAM	.2074	.1602	.1450	.1776	.1686	.1515	.1429	.1393	.1787	.1735	.1549	.0879	.0854	.0670	.0569
132 BIGONIAL DIAMETER	.1952	.1398	.1273	.1566	.1290	.1071	.1045	.0931	.1383	.1318	.1127	.0623	.1647	.0838	.1132
133 BIOCULAR DIAMETER	.1800	.1487	.1718	.1773	.1949	.2003	.1935	.1877	.2043	.2325	.2009	.1037	-.0337	-.0241	-.0093
134 INTERPUPILLARY DST	.1519	.1437	.1624	.1733	.1932	.2000	.1893	.1912	.1896	.2013	.1847	.1082	-.0477	-.0087	-.0102
135 INTEROCULAR DIAM	.0850	.0712	.0913	.0999	.1185	.1222	.1152	.1155	.1250	.1338	.1178	.0591	-.0578	-.0348	-.0497

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
136	NASAL ROOT BREADTH	.0769	.0644	.0905	.0870	.1122	.1236	.1086	.1139	.1174	.1397	.1232	.0526	-.0627	.0154	-.0248
137	NASAL BREADTH	.0893	.0954	.1304	.1339	.1733	.2168	.2018	.2065	.1855	.1987	.2129	.0905	-.1846	-.1187	-.1364
138	NOSE PROTRUSION	.1316	.1212	.0994	.0941	.0713	.0396	.0484	.0442	.0800	.0860	.0277	.0831	.1644	-.1355	.1512
139	PHILTRUM LENGTH	.0631	.0473	.0503	.0491	.0712	.0705	.0574	.0595	.0726	.0725	.0794	.0486	-.0280	-.0162	-.0154
140	LIP-LIP DISTANCE	.1279	.1428	.1797	.1746	.2355	.2657	.2503	.2610	.2210	.2325	.2307	.0971	-.2023	-.1103	-.1225
141	LIP LENGTH	.0815	.0660	.0773	.0870	.0937	.1052	.1016	.0967	.1066	.0998	.0944	.0632	-.0559	-.0544	-.0654
142	LIP LENGTH SMILING	.0911	.0743	.0638	.0702	.0761	.0923	.0761	.0732	.0938	.0879	.0790	.0518	-.0075	-.0137	-.0249
143	MENTON-SUBNASALE L	.1749	.1658	.1690	.1885	.2042	.1825	.1344	.1916	.1954	.1818	.1535	.1611	.0033	-.0223	-.0316
144	MENTON-NASAL RT DP	.2584	.2384	.2356	.2418	.2482	.2235	.2246	.2268	.2479	.2334	.1954	.1814	.0933	.0452	.0962
145	SUBNAS-NAS RT DPTH	.2061	.1977	.1838	.1697	.1568	.1449	.1513	.1446	.1730	.1716	.1329	.0945	.1556	.1121	.1351
146	VERTEX-GLABELLA HT	.0157	.0098	-.0018	-.0303	-.0325	-.0410	-.0462	-.0553	-.0318	-.0324	.0011	-.0461	.0865	.0426	.0426
147	VERTEX-NASAL RT DP	.0549	.0507	-.0373	-.0235	-.0230	.0042	.0082	-.0017	.0212	.0169	.0260	-.0289	.0760	.0345	.0658
148	VERTEX-EXT CANT HT	.0255	-.0067	-.0007	-.0107	-.0126	-.0336	-.0393	-.0468	-.0133	-.0159	-.0041	.0189	.0893	.0368	.0703
149	VERTEX-PRONASALE H	.0376	.0351	.0165	-.0025	-.0062	-.0344	-.0289	-.0376	-.0064	-.0101	-.0042	.0364	.1216	.0523	.1086
150	VERTEX-STOMION HT	.1302	.1213	.1091	.0917	.0994	.0770	.0777	.0701	.0997	.0967	.0932	.0808	.0969	.0372	.0900
151	VERTEX-MENTON HT	.1866	.1710	.1590	.1562	.1600	.1267	.1296	.1268	.1565	.1443	.1332	.1424	.1078	.0401	.1129
152	VERTEX-TRAGION HT	.1361	.1018	.0937	.0844	.0682	.0385	.0374	.0309	.0700	.0650	.0571	.0218	.1567	.0935	.1166
153	WALL-GLABELLA DIST	.2504	.2315	.2222	.2283	.2246	.2080	.2053	.1971	.2249	.2142	.2184	.0848	.1480	.0845	.1057
154	WALL-NAS RT DEP DT	.2804	.2513	.2407	.2473	.2384	.2218	.2183	.2100	.2396	.2296	.2297	.0855	.1726	.1192	.1242
155	WALL-EX CANT DIST	.2371	.2121	.2144	.2221	.2228	.2158	.2102	.2108	.2218	.2233	.2277	.0928	.0745	.0695	.0613
156	WALL-PRONASALE DST	.3348	.2988	.2907	.3060	.2931	.2778	.2749	.2669	.2997	.2929	.2704	.1220	.1789	.1373	.1305
157	WALL-STOMION DIST	.3080	.2784	.2930	.3083	.3234	.3338	.3186	.3194	.3233	.3173	.3189	.1235	-.0479	.0530	.0232
158	WALL-MENTON DIST	.3099	.2574	.2640	.2847	.2666	.2731	.2618	.2527	.2741	.2670	.2711	.0592	.1550	.1448	.0716
159	WALL-TRAGION DIST	.2011	.1863	.1924	.1907	.1879	.1857	.1836	.1881	.1863	.1869	.1981	.0588	.0534	.0430	.0360
169	WEIGHT REPORTED	.4844	.3728	.3480	.3991	.3607	.3503	.3172	.3096	.3713	.3649	.3292	.1396	.2754	.1929	.1433
170	STATURE REPORTED	.9238	.8931	.8638	.8446	.8154	.7934	.8136	.8060	.8075	.7936	.6873	.3210	.4392	.3966	.3445

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 AGE	.0678	.0811	.0972	.1001	-.0306	-.0599	-.0174	-.0190	.0100	-.0029	.0125	-.0432	.0693	.1486	.1399
2 WEIGHT	.4124	.3804	.4332	.1828	.5244	.2885	.6522	.5855	.3872	.4061	.3948	.2053	.4770	.8153	.8034
3 SKF SUBSCAPULAR	.0796	.0570	.1114	.0905	-.1426	-.0384	.3229	.2881	.0439	-.0753	-.0945	-.0634	.2198	.5670	.5849
4 SKF TRICEPS	.0925	.0783	.1390	.1327	.0888	-.0889	.2600	.2323	.0213	.0348	.0561	-.1144	.1151	.4308	.4814
5 SKF JUXTA NIPPLE	.1272	.1134	.1563	.1500	.0697	-.0530	.1916	.1590	.0082	.0430	.0374	-.1043	.1372	.3694	.3937
6 SKF MAL XIPHOID	.0702	.0491	.1268	.1043	.0697	-.0921	.3045	.2720	.0172	.0348	.0565	-.1268	.1561	.5387	.6055
7 SKF SUPRA ILIAC	.1509	.1225	.1835	.1926	.0771	-.1145	.2715	.2386	.0137	.0044	-.0304	-.1504	.1541	.5315	.6040
8 SKF DORSAL HAND	.1167	.1080	.1234	.0986	.1158	-.0190	.1636	.1352	-.0652	-.0729	-.0750	-.0170	-.1205	.2811	.2856
9 GRIP STRENGTH	.2560	.2526	.2293	.0413	.3544	.2869	.3341	.2960	.2823	.3540	.3110	.2251	.3232	.4146	.3459
10 HEIGHT (STATURE)	.7317	.7094	.6825	.1932	.8728	.8296	.7656	.7064	.7941	.7234	.6761	.7427	.4011	.3210	.2565
11 CERVICALE HEIGHT	.6750	.6593	.6770	.1686	.8895	.8481	.7894	.7327	.8069	.7424	.6921	.7594	.4042	.3227	.2590
12 SHOULDER(ACROM) HT	.6468	.6339	.6985	.2171	.8757	.8303	.7916	.7315	.8167	.7283	.6666	.7276	.3451	.3143	.2726
13 ELBOW (RADIALE) HT	.6631	.6513	.7015	.3275	.8202	.7661	.7394	.6794	.6787	.6459	.5771	.6054	.3155	.3003	.2731
14 WRIST (STYLION) HT	.6607	.6479	.6930	.4281	.6937	.6338	.6351	.5762	.5468	.4662	.4370	.4206	.2450	.2646	.2668
15 DACTYLION HEIGHT	.6459	.6333	.6219	.4782	.6083	.5411	.5591	.5052	.4529	.3448	.3315	.3195	.1887	.2267	.2512
16 SUPRASTERNALE HT	.6438	.6294	.5723	.1265	.8942	.8533	.8128	.7567	.8081	.7533	.6904	.7637	.4021	.3203	.2420
17 CHEST (NIPPLE) HT	.5879	.5768	.4602	-.0968	.8709	.8614	.7721	.7222	.7964	.7367	.6633	.7726	.3482	.2271	.1392
18 WAIST HEIGHT (OMP)	.4756	.4627	.4370	-.0328	.8917	.8877	.7946	.7476	.7994	.7548	.6813	.8002	.3446	.2156	.1440
19 ILIOCRISTALE	.4462	.4362	.3658	-.0575	.8985	.8820	.8253	.7817	.8135	.7780	.6922	.8012	.3411	.2438	.1762
20 TROCHANTERIC HT	.3717	.3593	.3276	-.1251	.9003	.8949	.8725	.7725	.7963	.7783	.6832	.8071	.3223	.2124	.1371
21 BUTTOCK HEIGHT	.3260	.3176	.3301	-.1584	.9105	.9203	.8238	.7904	.7692	.7751	.6873	.7988	.3317	.2114	.1288
22 CROTCH HEIGHT	.3320	.3222	.3185	-.1671	.9104	.9235	.8082	.7849	.7864	.7927	.6956	.8288	.2877	.1737	.1030
23 GLUTEAL FURROW HT	.3202	.3135	.3685	-.1764	.9261	.9119	.8096	.7804	.7916	.7877	.6929	.8297	.3040	.1734	.1862
24 PATELLA TOP HEIGHT	.3754	.3618	.3438	-.1056	.9146	.9038	.7599	.7263	.7417	.7691	.6830	.7826	.3399	.2431	.1779
25 PATELLA BOTTOM HT	.3514	.3375	.3438	-.1168	.9146	.9146	.7511	.7205	.7443	.7443	.6542	.7738	.3328	.2301	.1452
26 CALF HEIGHT	.2846	.2731	.2888	-.1162	.7874	.7874	.6880	.6393	.6349	.6621	.5942	.6779	.3142	.2090	.0316
27 ANKLE HEIGHT	.1770	.1776	.1745	-.0073	.3701	.3671	.2701	.2473	.3157	.3170	.2651	.3157	.1261	.0864	.1709
28 MED"L MALLEOLUS HT	.4842	.4782	.4586	.2903	.3821	.3222	.2173	.1644	.3085	.2003	.2250	.1927	.2108	.2135	.1068
29 LAT"L MALLEOLUS HT	.3392	.3232	.3143	.1629	.3876	.3570	.2281	.1909	.2785	.1660	.2067	.2199	.1521	.1145	.0664
30 SPHYRION HEIGHT	.3753	.3649	.3282	.1954	.4293	.2957	.3206	.2578	.3157	.1487	.1563	.1832	.1491	.1093	.2669
31 SITTING HEIGHT		.9641	.8971	.6405	.4293	.3534	.3206	.2485	.4453	.3095	.3443	.3132	.3331	.3157	.2669
32 EYE HEIGHT SITTING	.9641		.8939	.6533	.4194	.3527	.3038	.2347	.4320	.3038	.3317	.3024	.3188	.2917	.2403
33 MID SHOULDER HT/S	.8971	.8939		.7676	.4293	.3480	.3301	.2587	.4592	.3216	.3394	.2900	.2807	.3183	.2976
34 ELBOW REST HT SIT	.6405	.6533	.7676		-.0617	-.1318	-.1261	-.1720	-.1105	-.1526	-.1198	-.2510	-.0315	.1152	.1834
35 KNEE HEIGHT SIT	.4293	.4194	.4293	-.0617		.9386	.8236	.6972	.7619	.7873	.7035	.7720	.3250	.1798	.2982
36 POPLITEAL HT/SIT	.3534	.3527	.3480	-.1318	.9386		.7245	.6972	.7619	.7873	.6794	.8134	.3250	.1798	.1009
37 BUTTOCK KNEE LNGTH	.3206	.3038	.3301	-.1261	.8236	.7245		.9338	.7248	.7221	.6524	.6669	.4017	.4619	.4082
38 BUTTOCK POP LENGTH	.2485	.2347	.2587	-.1720	.6972	.6972	.9338		.6744	.6899	.6124	.6435	.3517	.4047	.3559
39 SHOULDER-ELBOW LTH	.4453	.4320	.4592	-.1105	.7619	.7619	.7248	.6744		.7418	.7069	.7133	.3483	.3167	.1964
40 ELBOW WRIST LENGTH	.3095	.3038	.3216	-.1526	.7873	.7873	.7221	.6899	.7418		.7240	.8019	.3459	.2739	.2195
41 FUNCTIONAL REACH	.3443	.3317	.3394	-.1198	.7035	.6794	.6524	.6124	.7069	.7240		.8321	.3389	.2930	.2366
42 SLEEVE INSEAM	.3132	.3024	.2900	-.2510	.7720	.8134	.6669	.6435	.7133	.8019	.8321		.3175	.1092	.0213
43 BIACROMIAL BREADTH	.3331	.3188	.2807	-.0315	.3250	.3250	.4017	.3517	.3483	.3459	.3389	.3175		.7258	.4426
44 BIDELTOID BREADTH	.3157	.2917	.3183	.1152	.1798	.1798	.4619	.4047	.3167	.2739	.2930	.1092	.7258		.8137
45 CHEST BREADTH/SKIN	.2669	.2403	.2976	.1834	.2982	.1009	.4082	.3559	.1964	.2195	.2366	.0213	.4426	.8137	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 CHEST BREADTH/BONE	.2584	.2432	.2883	.1800	.2730	.1075	.4108	.3388	.2311	.2045	.2154	.0355	.4873	.7325	.8090
47 WAIST BRDTH (OMP)	.3070	.2827	.3582	.2179	.3290	.1032	.4791	.4181	.2465	.2042	.2420	.0501	.3451	.6979	.7875
48 BI-ILIOCRISTALE	.3226	.2974	.3718	.2380	.3193	.0944	.4654	.4045	.2364	.1889	.2348	.0368	.3414	.6949	.7886
49 HIP BREADTH	.4215	.4005	.4575	.2520	.4204	.2027	.5543	.4909	.3297	.2939	.3247	.1501	.3773	.6632	.6900
50 HIP BREADTH SIT	.3885	.3596	.4221	.2527	.3753	.1397	.5204	.4538	.2805	.2497	.2695	.0940	.3420	.6767	.7232
51 BITROCHANTERC/BONE	.5222	.5052	.5397	.2742	.4924	.3129	.5702	.4932	.4405	.3458	.3865	.2621	.4124	.5781	.5743
52 ELBOW BREADTH	.3101	.3029	.3029	.1067	.3730	.2647	.3828	.2611	.2955	.3344	.3502	.1947	.2860	.4402	.3940
53 MAX F"ARM-F"ARM BR	.1773	.1594	.2268	.1855	.1854	-.0069	.2686	.2299	.0481	.1492	.1410	-.0922	.2119	.7056	.7704
54 WRIST BREADTH	.3709	.3550	.3251	.1020	.3909	.3060	.3364	.2611	.3255	.3711	.3462	.2568	.3505	.3750	.2932
55 KNEE BREADTH	.4627	.4414	.4437	.1984	.4851	.3200	.4785	.3982	.3833	.3604	.3712	.2378	.3776	.5239	.4891
56 KNEE-KNEE BR SIT	.2399	.2213	.2528	.1337	.3128	.1007	.4306	.3683	.1963	.2150	.2085	.0570	.3363	.5853	.5647
57 CHEST DEPTH	.2079	.1927	.1905	.1540	.2682	.0604	.4811	.4358	.1864	.2033	.2009	.0080	.2815	.6547	.6972
58 WAIST DEPTH (OMP)	.1614	.1246	.2210	.0720	.2764	.0594	.4678	.4238	.1694	.2022	.2079	.0144	.3082	.6765	.7174
59 ABDOMINAL DPTH/SIT	.1918	.1575	.2434	.0995	.2906	.0803	.4845	.4384	.1808	.2077	.2181	.0324	.3092	.6396	.6837
60 BUTTOCK DEPTH	.2031	.1781	.2141	.1302	.3027	.0772	.5209	.4662	.1706	.2107	.2035	.0052	.3426	.6939	.6918
61 THIGH CLEAR HT SIT	.1797	.1377	.2215	.0587	.3430	.1376	.4845	.4284	.1931	.2685	.2259	.0584	.3340	.6549	.6403
62 NECK CIRC MAXIMUM	.2185	.1844	.2487	.1523	.2215	.0365	.3377	.2780	.1171	.1607	.1653	-.0610	.4025	.7224	.6948
63 SHOULDER CIRC	.2894	.2647	.2906	.0934	.3727	.1759	.4933	.4299	.2790	.2946	.3014	.1153	.6200	.9163	.8334
64 CHEST CIRCUMF"ENCE	.2441	.2247	.2813	.1615	.3088	.0936	.4590	.3978	.2147	.2414	.2434	.0190	.4139	.8083	.8734
65 WAIST CIRC (OMPH)	.2583	.2309	.3064	.1779	.3158	.0821	.4922	.4377	.2162	.2126	.2323	.0241	.3291	.7156	.7836
66 BUTTOCK CIRC	.3653	.3402	.4005	.2201	.3993	.1595	.5589	.5004	.2833	.2763	.2873	.0940	.3933	.7423	.7495
67 BUTTOCK CIRC/SIT	.3304	.3024	.3665	.2109	.3591	.1242	.5376	.4763	.2475	.2421	.2565	.0653	.3613	.7111	.7439
68 VERTICAL TRUNK CIR	.7275	.7015	.7737	.5161	.4974	.3100	.5433	.4604	.4423	.3698	.3783	.2401	.4331	.6545	.6355
69 VERT TRUNK CIR SIT	.7598	.7351	.8066	.5487	.4909	.3209	.5086	.4279	.4551	.3664	.3789	.2531	.4160	.6112	.5965
70 UPPER THIGH CIRC	.2038	.1814	.2467	.1373	.3004	.0597	.4961	.4380	.1502	.2038	.1956	-.0108	.3487	.7311	.7291
71 THIGH CIRC SITTING	.2121	.1884	.2558	.1376	.3109	.0709	.5111	.4517	.1674	.2162	.2117	.0036	.3465	.7254	.7300
72 LOWER THIGH CIRC	.2298	.2071	.2539	.1200	.3519	.1066	.4944	.4292	.1866	.2390	.2237	.0313	.3555	.6886	.6778
73 KNEE CIRCUMFERENCE	.3829	.3504	.3815	.1388	.5357	.3034	.6366	.5474	.3814	.3622	.3835	.2323	.4115	.6560	.6494
74 KNEE CIRC SITTING	.3403	.3091	.3596	.1192	.5254	.2901	.6388	.5544	.3753	.3853	.3822	.2174	.3828	.6551	.6569
75 CALF CIRCUMFERENCE	.2872	.2576	.2940	.1517	.3485	.1225	.4619	.3839	.2031	.2160	.2289	.0444	.3739	.6877	.6737
76 ANKLE CIRCUMFERENCE	.3839	.3552	.3769	.1871	.4050	.2383	.4703	.3910	.2988	.2810	.2972	.1452	.3482	.7733	.7317
77 SCYE CIRCUMFERENCE	.3403	.3195	.3195	.1533	.4313	.2115	.5056	.4396	.3805	.3466	.3419	.1310	.4266	.7621	.7303
78 BICEPS CIRC EXT	.1681	.1470	.1958	.1260	.2167	-.0607	.3858	.3333	.0790	.1692	.1516	-.0906	.3567	.7554	.7089
79 BICEPS CIRC FLEXED	.1686	.1520	.1801	.1067	.2167	.0112	.3674	.3162	.0831	.1738	.1449	-.0824	.3715	.7361	.6716
80 ELBOW CIRC EXT	.3036	.2818	.3115	.1115	.4246	.2267	.5110	.4502	.2933	.3750	.3381	.1287	.4358	.5430	.4627
81 ELBOW CIRC FLEXED	.2961	.2834	.2985	.0663	.4149	.2889	.4312	.3814	.3471	.3890	.3197	.2216	.3654	.7556	.6810
82 FOREARM CIRC EXT	.2745	.2530	.2781	.1009	.3688	.1700	.4752	.4080	.2489	.3159	.2917	.0736	.4433	.7151	.6402
83 FOREARM CIR FLEXED	.2525	.2370	.2593	.1031	.3179	.1350	.4077	.3434	.2108	.2785	.2455	.0382	.4027	.6402	.4963
84 WRIST CIRCUMF"ENCE	.3900	.3673	.3662	.1057	.4925	.3499	.4973	.4156	.4031	.4622	.4279	.2875	.4366	.5743	.5973
85 SL SPINE/SCYE	.2980	.2918	.2825	.1551	.2448	.1160	.3222	.2856	.2069	.2291	.2549	.0585	.4579	.6546	.5026
86 SL SPINE-ELBOW	.5046	.4952	.4756	-.0107	.6732	.5755	.6632	.6085	.7505	.5069	.6143	.6099	.5744	.6098	.4300
87 SL SPINE-WRIST	.4805	.4811	.4580	-.0585	.7959	.7223	.7487	.6933	.8133	.7747	.7035	.7373	.5442	.5430	-.0816
88 ANTERIOR NECK LGTH	.3680	.3390	.2835	.1289	.1425	.1895	.0517	.0487	.2230	.1159	.1478	.2584	.0860	-.0890	.0011
89 POSTERIOR NECK LTH	.2936	.2590	.1304	.0333	.1209	.1320	.1102	.0886	.1564	.0730	.1163	.1761	.1118	-.0187	.1316
90 SHOULDER LENGTH	.3037	.2787	.2077	-.0635	.2703	.2607	.2172	.1900	.2244	.2272	.2673	.3017	.5270	.2788	—

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
91 DELTOID ARC	.3204	.3027	.3347	-.0077	.4945	.5048	.4277	.4149	.6359	.4929	.4346	.5123	.1860	.2234	.1133
92 INTERSCYE	.2193	.1957	.2051	.0888	.2343	.1055	.3134	.2770	.1366	.1854	.2409	.0530	.4611	.6527	.6335
93 INTERSCYE MAXIMUM	.3422	.3327	.3291	.1698	.3200	.1701	.3820	.3332	.2437	.2329	.3001	.0893	.4986	.7060	.6732
94 WAIST FRONT	.5671	.5450	.5446	.3722	.3087	.1755	.3351	.2929	.2676	.2402	.2638	.1466	.2921	.4307	.3936
95 CROTCH LENGTH	.4482	.4175	.4620	.3052	.3457	.1492	.4648	.3940	.2674	.2871	.2347	.0922	.3590	.6216	.6087
96 WAIST BACK	.7321	.7123	.7422	.4819	.4145	.3345	.3542	.2950	.4114	.2871	.3377	.3082	.3114	.3064	.2949
97 FOOT LENGTH	.3898	.3786	.3661	-.0318	.7291	.6727	.6537	.5883	.6089	.6616	.6112	.6140	.3716	.3381	.2706
98 BALL-OF-FOOT LNGTH	.3172	.3046	.2931	-.0661	.6631	.6065	.6203	.5606	.5492	.5917	.5501	.5574	.3318	.3082	.2583
99 BALL-OF-FOOT BRDTH	.3163	.2926	.3004	.0496	.4883	.3730	.4714	.4071	.3661	.4088	.3821	.2992	.3654	.4456	.3885
100 BI-MALLEOLAR BRDTH	.4142	.4005	.3952	.1192	.5038	.4017	.4532	.3766	.4088	.4373	.3974	.3389	.3434	.4042	.3514
101 BALL-OF-FOOT GIRTH	.3450	.3363	.3426	.0614	.5564	.4232	.5192	.4441	.4142	.5189	.4246	.3359	.4064	.4927	.4310
102 INSTEP CIRCUMF"NCE	.3306	.3233	.3306	.0188	.6233	.4942	.5852	.5077	.4678	.6192	.4693	.3934	.4184	.5111	.4343
103 HEEL-ANKLE CIRCUMF	.4043	.3832	.3877	-.0075	.7380	.6146	.6817	.6149	.5716	.6711	.5621	.5136	.4449	.5157	.4447
104 HAND LENGTH	.3277	.3237	.3058	-.0752	.6700	.5691	.5598	.5137	.5861	.5771	.5902	.6058	.3492	.2854	.1976
105 PALM LENGTH	.2753	.2730	.2612	-.0715	.5826	.5826	.4869	.4460	.5033	.5092	.5092	.5167	.3104	.2449	.1582
106 HAND BREADTH/META	.3084	.2950	.2960	.0685	.4171	.4171	.3813	.3182	.3465	.3971	.3267	.3104	.3663	.4307	.3726
107 HAND CIRC/META	.3529	.3370	.3423	.0836	.4681	.3672	.4395	.3737	.3968	.4499	.4054	.2598	.4059	.4719	.3977
108 HAND CIRC/THUMB	.3558	.3341	.3335	.0786	.4836	.3658	.4688	.3973	.3843	.4424	.4137	.3068	.4386	.5605	.4695
109 THICKNESS META/III	.2346	.2287	.2338	.1022	.2589	.1775	.2366	.1918	.2077	.2362	.1855	.2888	.2458	.3456	.3038
110 FINGER DIAM III	.3045	.2948	.2917	.0776	.3840	.1640	.3524	.2481	.3362	.3676	.3424	.2573	.3414	.4054	.3355
111 HEAD CIRCUMFERENCE	.2810	.1863	.1984	.0738	.2564	.1433	.2861	.1232	.1883	.2097	.1956	.1115	.2595	.3724	.3446
112 SAGITTAL ARC	.2200	.2114	.1850	.1039	.1815	.0562	.1440	.1087	.1481	.1515	.1109	.1040	.1065	.1266	.1076
113 MINIMUM FRONTL ARC	.0955	.0714	.0744	.0166	.1186	.1448	.1276	.1871	.1050	.1041	.0724	.0602	.1069	.1665	.1395
114 BIT-CORONAL ARC	.3316	.2508	.2510	.1501	.2310	.2211	.2208	.2208	.1624	.1570	.1656	.0825	.2039	.2936	.3061
115 BIT-MIN FRONTAL A	.3074	.2712	.2782	.1190	.3231	.2279	.3159	.2772	.2426	.2765	.2656	.1553	.2850	.4009	.3843
116 BIT-SUBNASALE ARC	.2926	.1999	.1999	.0377	.3386	.2276	.3817	.3420	.2362	.3254	.2779	.1681	.3340	.4859	.4245
117 BIT-MENTON ARC	.2595	.2346	.2688	.0864	.3508	.1683	.3978	.3467	.2729	.3449	.3028	.1752	.3898	.5538	.4680
118 BIT-SUBMANDIB ARC	.3068	.2730	.3042	.1598	.3085	.0693	.3668	.3143	.2397	.2706	.2535	.1221	.3555	.5377	.5058
119 BIT-POSTERIOR ARC	.2493	.2194	.2608	.1751	.2064	.2056	.2853	.2082	.1489	.0968	.1386	.0175	.3050	.4974	.4690
120 HEAD LENGTH	.2274	.1838	.1737	.0658	.2527	.0414	.2491	.2260	.1960	.2369	.1958	.1572	.1958	.2490	.2032
121 MAX HEAD DIAG/MENT	.3341	.2714	.2574	.1838	.3761	.2919	.3739	.3281	.2820	.3443	.2771	.1958	.3358	.4152	.3336
122 MAX HEAD DIAG/NUCH	.3546	.3098	.3203	.1929	.3000	.1774	.3521	.3040	.2271	.2451	.2301	.2245	.2987	.4972	.4783
123 EAR LENGTH	.3019	.2844	.2877	.1383	.1720	.0822	.1790	.1396	.1778	.1161	.1484	.1015	.1538	.2372	.2592
124 EAR LGTH ABOVE TRG	.2153	.2032	.2034	.0353	.1002	.0540	.0309	.0702	.1094	.0772	.1092	.0726	.0983	.1272	.1365
125 EAR BREADTH	.1138	.1092	.0995	.1081	.1330	-.0349	.1526	.1311	.0402	.0893	.0811	.0610	.1121	.1368	.1365
126 EAR PROTRUSION	.1345	.1345	.1351	.1065	-.0251	-.0086	-.0032	-.0169	-.0402	-.0092	-.0097	-.0045	.0653	.0640	.0766
127 HEAD BREADTH	.1359	.0910	.1361	.1350	.0839	-.0099	-.1339	-.0919	.0499	.0298	-.0746	-.0352	.1936	.3151	.3341
128 AGE	.3099	.2825	.2987	.2610	.0737	-.0092	.0587	.0196	.1051	.0138	-.0606	-.0014	.1769	.2368	.2550
129 BITRAGION DIAMETER	.1961	.1695	.2163	.1196	.1765	.0791	.2239	.1599	.1524	.1167	.1593	.0626	.2645	.3705	.3601
130 BIZYGOMATIC DIAM	.2069	.1824	.2289	.1143	.2130	.0895	.2725	.2154	.1746	.1837	.2065	.0567	.3040	.4754	.4568
131 MAX FRONTAL DIAM	.1852	.1563	.1845	.0596	.2323	.1393	.2660	.2246	.1777	.2026	.2164	.1101	.2476	.3544	.3289
132 BIGONIAL DIAMETER	.2426	.2068	.2574	.1452	.2185	.1116	.2402	.1922	.1734	.1702	.1985	.0682	.2148	.3780	.3926
133 BIOCULAR DIAMETER	.0079	-.0200	-.0058	-.1375	.2447	.1943	.2789	.2555	.1629	.2212	.1894	.1827	.2489	.2639	.2127
134 INTERPUPILLARY DST	-.0114	-.0277	-.0147	-.1435	.2151	.1857	.2444	.2237	.1590	.2318	.1950	.1928	.1965	.1848	.1103
135 INTEROCULAR DIAM	-.0533	-.0654	-.0435	-.1153	.1408	.1181	.1477	.1374	.0906	.1693	.1234	.1035	.1106	.1280	.0682

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
136	NASAL ROOT BREADTH	-0564	-0782	-0729	-1258	.1290	.1026	.1347	.1190	.0657	.1143	.1003	.0897	.1111	.1120	.0656
137	NASAL BREADTH	-2366	-2457	-2357	-3364	.2062	.2116	.2416	.2482	.0901	.2811	.1876	.1890	.1551	.1463	.0139
138	NOSE PROTRUSION	.2580	.2486	.2394	.1847	.0843	.0513	.0510	.0020	.1212	-0036	.0530	.0602	.1242	.0923	.1007
139	PHILTRUM LENGTH	.0037	.0036	.0012	-0361	.0985	.0701	.0919	.0901	.0431	.1048	.0768	.0352	.0975	.1124	.1095
140	LIP-LIP DISTANCE	-2091	-2078	-2307	-3553	.2210	.2555	.2370	.2515	.1284	.2801	.1910	.2515	.1107	.0285	-0681
141	LIP LENGTH	-0300	-0462	-0203	-0856	.1289	.1091	.1489	.1309	.0724	.1722	.1317	.0896	.1468	.1702	.0932
142	LIP LENGTH SMILING	.0454	.0171	.0293	-0253	.1106	.0796	.1400	.1151	.0720	.1141	.0940	.0630	.1547	.1850	.1298
143	MENTON-SUBNASALE L	.0617	.0535	.0371	-0860	.2259	.2129	.1989	.1975	.1672	.2666	.1808	.1679	.1403	.1518	.0931
144	MENTON-NASAL RT DP	.2027	.1894	.1716	.0045	.2799	.2520	.2338	.2088	.2453	.2940	.2452	.2204	.2102	.2112	.1490
145	SUBNAS-NAS RT DPTH	.2334	.2312	.2089	.0922	.1791	.1589	.1285	.0938	.1892	.1281	.1432	.1567	.1301	.0993	.0795
146	VERTEX-GLABELLA HT	.1545	.0737	.0585	.0662	-0066	-0277	-0189	-0303	-0296	-0319	-0301	-0719	.0802	.0916	.0666
147	VERTEX-NASAL RT DP	.1475	.0636	.0380	.0231	.0434	.0251	.0267	.0210	.0007	.0399	.0188	-0210	.0914	.1007	.0573
148	VERTEX-EXT CANT HT	.1688	.0641	.0639	.0596	.0181	.0193	.0307	.0032	.0185	-0078	-0073	-0596	.1122	.1360	.1070
149	VERTEX-PRONASALE H	.1893	.1160	.0805	.0721	.0092	-0022	-0304	-0458	-0022	-0044	-0085	-0343	.0866	.0716	-0349
150	VERTEX-STOMION HT	.2016	.1250	.0837	.0149	.1289	.1072	.0871	.0681	.0787	.1198	.0906	.0583	.1671	.1511	.0903
151	VERTEX-MENTON HT	.2297	.1583	.1227	.0134	.1974	.1674	.1575	.1352	.1412	.2082	.1552	.1115	.2048	.2142	.1357
152	VERTEX-TRAGION HT	.3153	.2150	.1998	.1508	.1137	.0522	.0981	.0669	.0661	.0447	.0726	.0101	.1255	.1794	.1781
153	WALL-GLABELLA DIST	.2299	.1874	.1876	.0479	.2728	.2137	.2791	.2554	.2128	.2609	.2097	.1594	.2050	.2878	.2426
154	WALL-NAS RT DEP DT	.2588	.2197	.2240	.0792	.2848	.2240	.2904	.2611	.2309	.2580	.2191	.1688	.2026	.2872	.2579
155	WALL-EX CANT DIST	.1536	.1229	.1157	-0124	.2573	.2116	.2807	.2631	.1892	.2414	.1931	.1805	.1696	.2303	.2001
156	WALL-PRONASALE DST	.2810	.2517	.2642	.0852	.3455	.2744	.3604	.3228	.2895	.3052	.2672	.2294	.2365	.3253	.2952
157	WALL-STOMION DIST	.1049	.0835	.1040	-0837	.3708	.3142	.4135	.3894	.2718	.3740	.2952	.2707	.2378	.3157	.2452
158	WALL-MENTON DIST	.2291	.2058	.2621	.0892	.3356	.2407	.3992	.3618	.2792	.2948	.2765	.2100	.2519	.3995	.3776
159	WALL-TRAGION DIST	.1296	.1071	.1074	.0041	.2041	.1777	.2261	.2119	.1629	.1843	.1455	.1605	.0988	.1378	.1240
169	HEIGHT REPORTED	.4102	.3802	.4348	.1805	.5271	.2951	.6577	.5814	.3895	.4093	.3937	.2106	.4722	.8021	.7868
170	STATURE REPORTED	.6982	.6773	.6553	.1873	.8373	.7856	.7391	.6788	.7596	.6852	.6502	.7044	.4089	.3417	.2868

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
1 AGE	.1373	.1454	.1519	.0970	.1084	.0834	.0120	.1471	.0090	.0193	.0430	.1475	.1220	.1054	.0877
2 WEIGHT	.6914	.8552	.8500	.8525	.8753	.7485	.5131	.7015	.4250	.6505	.7568	.8106	.8446	.8230	.8739
3 SKF SUBSCAPULAR	.4596	.6883	.6859	.5881	.6497	.4595	.2477	.5234	.1374	.3032	.5460	.6641	.7253	.6999	.7111
4 SKF TRICEPS	.3776	.5947	.5943	.5926	.6312	.4384	.1993	.4821	.0747	.3290	.5559	.5393	.5860	.5740	.6354
5 SKF JUXTA NIPPLE	.3069	.4633	.4589	.4210	.4659	.3188	.1668	.4036	.0818	.2743	.3621	.4447	.4596	.4252	.4742
6 SKF MAL XIPHOID	.4757	.7589	.7559	.6395	.6987	.4986	.2193	.5592	.0879	.3041	.5832	.6691	.7574	.7365	.7312
7 SKF SUPRA ILIAC	.4767	.7521	.7472	.6313	.6890	.4870	.2175	.5557	.1052	.3087	.5727	.6485	.7354	.6801	.7052
8 SKF DORSAL HAND	.2397	.3266	.3179	.2814	.3167	.2436	.1735	.1515	.1205	.2205	.3108	.3115	.3148	.2938	.3390
9 GRIP STRENGTH	.3230	.2485	.2503	.2880	.2579	.2850	.3601	.2959	.4059	.3500	.2586	.3189	.2436	.2195	.2668
10 HEIGHT (STATURE)	.2530	.2910	.2932	.4143	.3604	.5325	.3604	.1280	.3961	.4816	.2521	.1935	.1931	.2208	.2177
11 CERVICALE HEIGHT	.2606	.3073	.3091	.4205	.3632	.5339	.3532	.1324	.3746	.4646	.2593	.2032	.2022	.2330	.2330
12 SHOULDER(ACROM) HT	.3010	.3176	.3166	.4250	.3689	.5377	.3551	.1326	.3571	.4582	.2712	.2282	.2109	.2417	.2444
13 ELBOW (RADIALE) HT	.3155	.3218	.3248	.4275	.3733	.5327	.3351	.1459	.3422	.4478	.2855	.2350	.2088	.2453	.2605
14 WRIST (STYLION) HT	.3211	.3215	.3308	.4095	.3572	.5150	.2958	.1505	.3122	.4197	.2712	.2230	.1915	.2296	.2506
15 DACTYLION HEIGHT	.2658	.3155	.3242	.3951	.3613	.4806	.2517	.1590	.2308	.3771	.2408	.1959	.1820	.2260	.2350
16 SUPRASTERNALE HT	.2797	.2860	.2855	.4068	.3477	.5244	.3577	.1046	.3885	.4671	.2795	.2102	.2101	.2376	.2483
17 CHEST (NIPPLE) HT	.2022	.1696	.1686	.3044	.2365	.4378	.2956	.0087	.3451	.3890	.1943	.1108	.1058	.1337	.1453
18 WAIST HEIGHT (OMP)	.1803	.1475	.1482	.2750	.2095	.3951	.2892	.0136	.3280	.3674	.1654	.1007	.0825	.1054	.1161
19 ILIOCRISTALE	.2194	.2255	.2067	.3244	.2652	.4371	.2970	.0413	.3229	.3899	.2215	.1691	.1580	.1765	.1846
20 TROCHANTERIC HT	.1700	.1810	.1646	.2696	.2201	.3640	.2751	.0375	.2970	.3513	.1831	.1303	.1325	.1434	.1533
21 BUTTOCK HEIGHT	.1498	.1786	.1709	.2591	.2026	.3668	.2716	.0327	.2968	.3224	.1703	.1134	.1334	.1580	.1755
22 CROTCH HEIGHT	.0935	.1403	.1310	.2292	.1811	.3249	.2522	.0314	.2837	.3195	.1176	.0721	.0932	.1083	.0934
23 GLUTEAL FURROW HT	.1227	.1322	.1216	.2064	.1478	.3183	.2577	-.0036	.2739	.2986	.1240	.0841	.0874	.1074	.1006
24 PATELLA TOP HEIGHT	.1761	.2039	.1932	.2791	.2281	.3684	.2350	.0726	.3270	.3703	.1643	.1466	.1475	.1543	.1626
25 PATELLA BOTTOM HT	.1705	.1994	.1873	.2699	.2204	.3540	.2719	.0508	.3113	.3296	.1610	.1404	.1497	.1604	.1648
26 CALF HEIGHT	.1656	.1634	.1660	.2437	.1948	.3141	.2334	.0429	.2853	.3026	.1973	.1317	.1419	.1500	.1750
27 ANKLE HEIGHT	.0541	.0514	.0152	.0684	.0461	.1172	.1520	-.0007	.1855	.1674	.0635	.0360	.0561	.0590	.0428
28 MED"L MALLEOLUS HT	.1819	.2285	.2357	.3066	.2792	.3978	.2394	.1411	.3343	.4170	.2438	.1501	.1271	.1414	.1361
29 LAT"L MALLEOLUS HT	.1004	.1590	.1651	.1930	.1778	.2721	.1480	.0415	.2377	.2503	.1101	.0903	.0724	.0821	.0789
30 SPHYRION HEIGHT	.0938	.0966	.0837	.1767	.1406	.2798	.1635	.0137	.2717	.2899	.1179	.0412	.0324	.0411	.0212
31 SITTING HEIGHT	.2584	.3070	.3226	.4215	.3885	.5222	.3101	.1773	.3709	.4627	.2399	.2079	.1614	.1918	.2031
32 EYE HEIGHT SITTING	.2432	.2827	.2974	.4005	.3596	.5052	.2910	.1594	.3550	.4414	.2213	.1927	.1246	.1575	.1781
33 MID SHOULDER HT/S	.2883	.3582	.3718	.4575	.4221	.5397	.3029	.2268	.3251	.4437	.2588	.2528	.1905	.2210	.2434
34 ELBOW REST HT SIT	.1800	.2179	.2380	.2520	.2527	.2742	.1067	.1855	.1020	.1984	.1337	.1540	.0720	.0995	.1302
35 KNEE HEIGHT SIT	.2730	.3290	.3193	.4204	.3753	.4924	.3730	.1854	.3909	.4851	.3128	.2682	.2764	.2906	.3027
36 POPLITEAL HT/SIT	.1075	.1032	.0944	.2027	.1397	.3129	.2647	-.0069	.3060	.3200	.1007	.0604	.0594	.0803	.0772
37 BUTTOCK KNEE LNGTH	.4108	.4791	.4654	.5543	.5204	.5702	.3828	.2686	.3364	.4785	.4811	.4306	.4678	.4845	.5209
38 BUTTOCK POP LENGTH	.3388	.4181	.4045	.4909	.4538	.4932	.3194	.2119	.2611	.3982	.4358	.3683	.4238	.4308	.4662
39 SHOULDER-ELBOW LTH	.2311	.2455	.2364	.3297	.2805	.4405	.2955	.0481	.3255	.3833	.1963	.1864	.1694	.1808	.1706
40 ELBOW WRIST LENGTH	.2045	.2042	.1889	.2939	.2497	.3458	.3344	.1492	.3711	.3604	.2150	.2033	.2022	.2077	.2107
41 FUNCTIONAL REACH	.2154	.2420	.2348	.3247	.2695	.3865	.3502	.1410	.3462	.3712	.2085	.2009	.2079	.2181	.2035
42 SLEEVE INSEAM	.0355	.0501	.0368	.1501	.0940	.2621	.1947	-.0922	.2568	.2378	.0570	.0085	.0144	.0324	.0052
43 BIACROMIAL BREADTH	.4873	.3451	.3414	.3773	.3420	.4124	.1947	.2119	.3505	.3776	.3363	.2815	.3082	.3092	.3426
44 BIDELTOID BREADTH	.7325	.6979	.6949	.6632	.6767	.5781	.4402	.7056	.3750	.5239	.5853	.6547	.6765	.6396	.6939
45 CHEST BREADTH/SKIN	.8090	.7875	.7886	.6900	.7232	.5743	.3940	.7704	.2932	.4891	.5647	.6972	.7174	.6837	.6918

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
46 CHEST BREADTH/BONE															
47 WAIST BRDTH (OMP)	.6572														
48 BI-ILIOCRISTALE	.6556	.9840													
49 HIP BREADTH	.5785	.8257	.8237												
50 HIP BREADTH SIT	.5703	.8550	.8538	.9213											
51 BITROCHANTERC/BONE	.5600	.7246	.7245	.8972	.8155										
52 ELBOW BREADTH	.3396	.3714	.3667	.4116	.3936	.4088									
53 MAX F"ARM-F"ARM BR	.5342	.6817	.6834	.6546	.4512	.4252	.3812								
54 WRIST BREADTH	.2828	.2691	.2654	.3381	.2847	.3907	.4175	.2455							
55 KNEE BREADTH	.4332	.5119	.5061	.6013	.5900	.6268	.5038	.4252	.5052						
56 KNEE-KNEE BR SIT	.5702	.6647	.6614	.6941	.7190	.6282	.3618	.5045	.3143	.6121					
57 CHEST DEPTH	.6027	.7578	.7513	.6824	.7611	.5672	.3864	.6363	.2672	.4590	.6240				
58 WAIST DEPTH (OMP)	.5796	.8154	.8040	.7062	.7648	.6081	.3617	.6558	.2502	.4532	.6680	.7590			
59 ABDOMINAL DPTH/SIT	.5649	.8061	.7997	.7264	.7959	.6123	.3402	.6007	.2455	.4592	.6709	.7150	.9032		
60 BUTTOCK DEPTH	.6134	.7909	.7832	.7452	.7010	.5309	.3631	.6229	.2715	.4916	.7427	.7582	.8529	.8315	
61 THIGH CLEAR HT SIT	.5279	.6819	.6752	.6790	.6085	.4807	.3866	.6121	.2523	.4771	.6375	.6780	.7298	.6946	.7732
62 NECK CIRC MAXIMUM	.6012	.6686	.5683	.5839	.7131	.5931	.4034	.6375	.3587	.4439	.5482	.6869	.6931	.6459	.6946
63 SHOULDER CIRC	.7535	.7448	.7428	.6948	.7474	.6008	.4589	.6834	.3918	.5239	.6079	.7461	.7291	.6908	.7424
64 CHEST CIRCUMF"ENCE	.7714	.8060	.8037	.7210	.8587	.6926	.4285	.7423	.3166	.4998	.6243	.8641	.7701	.7310	.7639
65 WAIST CIRC (OMPH)	.6519	.9543	.9427	.8157	.9331	.8054	.3765	.7024	.2576	.5097	.7017	.7953	.9112	.8767	.8566
66 BUTTOCK CIRC	.6296	.8709	.8683	.9185	.9139	.7643	.4308	.6704	.3443	.5975	.7549	.7723	.8188	.8181	.8802
67 BUTTOCK CIRC/SIT	.6132	.8617	.8578	.8811	.7560	.7560	.3965	.6574	.3161	.5641	.7356	.7579	.8251	.8243	.8613
68 VERTICAL TRUNK CIR	.5469	.6994	.7063	.7516	.7064	.7073	.4489	.5355	.4088	.6074	.5900	.6249	.6249	.6307	.6798
69 VERT TRUNK CIR SIT	.5377	.6555	.6641	.7114	.8494	.6280	.4321	.4911	.3968	.5812	.5270	.5747	.5469	.5554	.6023
70 UPPER THIGH CIRC	.6071	.8044	.7982	.8116	.8655	.6513	.3991	.6845	.2667	.5207	.7434	.7781	.8154	.7880	.8907
71 THIGH CIRC SITTING	.6048	.8175	.8115	.8248	.7782	.5972	.4048	.6769	.2778	.5289	.7506	.7706	.8246	.7981	.8937
72 LOWER THIGH CIRC	.5810	.7255	.7164	.7460	.7954	.7207	.4282	.6275	.3333	.6029	.7357	.7206	.7416	.7180	.7524
73 KNEE CIRCUMFERENCE	.5558	.7289	.7226	.7869	.7924	.6895	.4866	.5313	.4605	.7309	.7579	.6566	.7046	.7044	.7693
74 KNEE CIRC SITTING	.5628	.7305	.7217	.7747	.7610	.6004	.4866	.5757	.3991	.7021	.7620	.6785	.7132	.7089	.7614
75 CALF CIRCUMFERENCE	.5845	.7044	.7013	.7257	.6544	.5983	.4292	.6051	.3366	.5724	.7081	.6911	.7034	.6890	.5973
76 ANKLE CIRCUMF"ENCE	.4998	.5931	.5924	.6492	.7097	.6103	.4259	.4750	.4320	.6089	.6161	.5500	.5430	.5455	.7774
77 SCYE CIRCUMFERENCE	.6238	.7157	.7146	.6945	.7146	.5178	.4809	.6691	.4285	.5600	.5960	.7139	.6917	.6576	.7104
78 BICEPS CIRC EXT	.6174	.7155	.7134	.6803	.6656	.4871	.4579	.7196	.3475	.4688	.6336	.7612	.7468	.7008	.7774
79 BICEPS CIRC FLEXED	.6174	.6704	.6675	.6367	.6640	.5759	.5611	.6931	.3644	.4532	.5921	.7335	.6957	.6478	.7344
80 ELBOW CIRC EXT	.5888	.6552	.6512	.6617	.4269	.4125	.4484	.6336	.5129	.5966	.6110	.6814	.6680	.6390	.7083
81 ELBOW CIRC FLEXED	.4330	.4084	.4062	.4402	.6521	.4811	.4484	.4448	.4491	.4686	.3977	.4567	.4118	.3880	.4454
82 FOREARM CIRC EXT	.5973	.6409	.5383	.6438	.5888	.5888	.5148	.6540	.5135	.5711	.6146	.6977	.6757	.6342	.7156
83 FOREARM CIR FLEXED	.5661	.5789	.5780	.5787	.4974	.5123	.5481	.6367	.4734	.5175	.5549	.6567	.6156	.5689	.6509
84 WRIST CIRCUMF"ENCE	.4647	.4709	.4657	.5115	.4615	.4158	.3492	.4303	.6989	.6261	.5040	.4853	.4848	.4671	.5051
85 SL SPINE/SCYE	.5722	.4845	.4854	.4606	.5047	.5673	.3935	.4964	.2775	.3940	.3882	.4524	.4436	.4223	.4502
86 SL SPINE-ELBOW	.4738	.4766	.4755	.5295	.4925	.5365	.4062	.3596	.3753	.5098	.3766	.3965	.3894	.3899	.3966
87 SL SPINE-WRIST	.4119	.4158	.4077	.4846	.4925	.4846	.4062	.2865	.4224	.4889	.3435	.3531	.3438	.3520	.3590
88 ANTERIOR NECK LGTH	-.0056	-.1242	-.1165	-.0524	-.0925	-.0497	-.0217	-.1458	.0901	.0666	-.1392	-.1671	-.2029	-.1804	-.2371
89 POSTERIOR NECK LTH	.0084	-.0401	-.0324	-.0226	-.0043	-.0846	.0807	-.1122	.2007	.1013	-.0092	-.0486	-.0214	-.0264	-.0360
90 SHOULDER LENGTH	.1220	.0879	.1170	.1533	.1227	.2101	.1327	.0510	.2076	.2007	.0856	.0139	.0437	.0540	.0609

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

#		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
91	DELTOID ARC	.1108	.0919	.0808	.1555	.1272	.2457	.2073	.0297	.2066	.2605	.0514	.0677	.0610	.0763	.0381
92	INTERSCYE	.5784	.5045	.5044	.4387	.4516	.3906	.3165	.5083	.2470	.3564	.3916	.4957	.4514	.4451	.4781
93	INTERSCYE MAXIMUM	.6283	.5847	.5835	.5478	.5473	.4981	.3607	.5271	.3418	.4360	.4481	.5474	.5224	.5062	.5383
94	WAIST FRONT	.3365	.5093	.5026	.5180	.5190	.5126	.3200	.3582	.3040	.4173	.4133	.4166	.4890	.4918	.4789
95	CROTCH LENGTH	.5161	.6526	.6632	.7034	.7341	.6113	.3678	.5234	.3209	.5178	.6154	.6035	.6482	.6480	.7390
96	WAIST BACK	.2635	.4244	.4271	.4632	.4315	.5255	.2739	.2105	.2695	.3962	.2743	.2464	.2683	.3004	.2687
97	FOOT LENGTH	.2500	.2651	.2514	.3821	.3152	.4394	.3804	.1705	.2491	.3116	.3067	.2507	.2507	.2589	.2743
98	BALL-OF-FOOT LNGTH	.2295	.2590	.2472	.3686	.3689	.4091	.3570	.1530	.4038	.4457	.3067	.2389	.2512	.2584	.2809
99	BALL-OF-FOOT BRDTH	.3551	.3819	.3752	.4194	.4287	.4156	.3846	.3190	.4262	.4798	.4056	.3627	.3809	.3648	.4161
100	BI-MALLEOLAR BRDTH	.3230	.3324	.3264	.4233	.3971	.4656	.4386	.3028	.5192	.6227	.4193	.3127	.3129	.3104	.3347
101	BALL-OF-FOOT GIRTH	.4195	.4196	.4117	.4762	.4726	.4863	.4409	.3426	.5594	.5594	.4558	.4015	.4139	.4018	.4454
102	INSTEP CIRCUMF"NCE	.4035	.4181	.4094	.4787	.4664	.4799	.4401	.3585	.4830	.5633	.4777	.4295	.4336	.4313	.4655
103	HEEL-ANKLE CIRCUMF	.4069	.4433	.4335	.5307	.4957	.5433	.4709	.3404	.5223	.6316	.5004	.4309	.4380	.4309	.4724
104	HAND LENGTH	.1999	.1536	.1461	.2522	.1961	.3216	.2532	.1063	.4183	.3725	.2036	.1536	.1444	.1522	.1648
105	PALM LENGTH	.1639	.1225	.1178	.2124	.1615	.2756	.1767	.0693	.3721	.3303	.1755	.1163	.1171	.1265	.1240
106	HAND BREADTH/META	.3585	.3084	.3049	.3484	.3301	.3705	.2527	.3080	.3080	.4443	.3556	.3315	.3088	.2865	.3341
107	HAND CIRC/META	.3816	.3371	.3311	.3871	.3659	.4107	.4781	.3335	.5841	.5014	.3556	.3671	.3380	.3142	.3605
108	HAND CIRC/THUMB	.4240	.3861	.3837	.4434	.4215	.4375	.5154	.4097	.6045	.5255	.4169	.4381	.4101	.3838	.4325
109	THICKNESS META/III	.2760	.2701	.2740	.2915	.2861	.3020	.0749	.2860	.0903	.3421	.2694	.2866	.2720	.2592	.2775
110	FINGER DIAM III	.3112	.2887	.2867	.3364	.3119	.3643	.4296	.2757	.5423	.4274	.3107	.3054	.2912	.2761	.2948
111	HEAD CIRCUMFERENCE	.3345	.3345	.3366	.3204	.3449	.2939	.2523	.2945	.3042	.3688	.3234	.3055	.3425	.3203	.3728
112	SAGITTAL ARC	.1198	.0970	.0962	.1222	.1403	.1465	.1079	.1117	.0903	.1848	.1226	.0837	.0938	.0990	.1115
113	MINIMUM FRONTL ARC	.1568	.1546	.1183	.1457	.1493	.1275	.1397	.1160	.1582	.1557	.1480	.1418	.1718	.1656	.1568
114	BIT-CORONAL ARC	.2720	.3050	.3114	.3114	.3230	.3109	.2031	.2406	.1846	.2863	.2606	.2284	.2681	.2701	.2762
115	BIT-MIN FRONTAL A	.3468	.3836	.3792	.3867	.3876	.3674	.2888	.3233	.2772	.3688	.3436	.3132	.3494	.3381	.3689
116	BIT-SUBNASALE ARC	.3856	.4011	.3899	.4163	.4115	.3537	.3324	.3616	.3144	.3911	.4025	.4110	.4255	.3854	.4584
117	BIT-MENTON ARC	.4184	.4330	.4282	.4565	.4584	.4041	.3767	.4130	.3323	.4347	.4271	.4626	.4608	.4215	.4901
118	BIT-SUBMANDIB ARC	.4463	.5072	.5055	.4968	.5132	.4487	.3474	.4315	.3150	.4225	.4614	.5009	.5103	.4827	.5252
119	BIT-POSTERIOR ARC	.4194	.5073	.5172	.4543	.4812	.3996	.2790	.3991	.2504	.3538	.4163	.4979	.5027	.4802	.5126
120	HEAD LENGTH	.1972	.1775	.1805	.1880	.2018	.1832	.1846	.1785	.1931	.2326	.2004	.1939	.2023	.1892	.2334
121	MAX HEAD DIAG/MENT	.3210	.2864	.2904	.3246	.3301	.3266	.1991	.1846	.1931	.3731	.3213	.2990	.3224	.3058	.3569
122	MAX HEAD DIAG/NUCH	.4208	.4714	.4728	.4630	.4786	.4179	.3366	.4117	.2432	.3991	.4085	.4596	.4757	.4460	.4842
123	EAR LENGTH	.2244	.3279	.3293	.3319	.3315	.3358	.1229	.2014	.1665	.2859	.2580	.2691	.2467	.2703	.2370
124	EAR LGTH ABOVE TRG	.1119	.1689	.1692	.1772	.1713	.1779	.1084	.0884	.1030	.1818	.1259	.1317	.1014	.1244	.0916
125	EAR BREADTH	.1221	.1447	.1391	.1644	.1581	.1544	-.0497	.0840	.0863	.1639	.1290	.1380	.1315	.1384	.1338
126	EAR PROTRUSION	.0709	.1173	.1267	.1235	.1178	.1294	-.1003	.0572	.0991	.0862	.0785	.0779	.0570	.0648	.0460
127	HEAD BREADTH	.2951	.3362	.3381	.2888	.3163	.2604	.1896	.2730	.1374	.2394	.2729	.2655	.3004	.2830	.3040
128	AGE	.2336	.3232	.3291	.3056	.3114	.3155	.1634	.2005	.1803	.2609	.2214	.2370	.2140	.2183	.1855
129	BITRAGION DIAMETER	.3221	.3821	.3773	.3579	.3637	.3443	.2439	.2763	.2400	.3214	.3201	.3326	.3362	.3195	.3392
130	BIZYGOMATIC DIAM	.4113	.4698	.4665	.4339	.4502	.3941	.3051	.3989	.2684	.3829	.3940	.4191	.4410	.4145	.4422
131	MAX FRONTAL DIAM	.2802	.3370	.3340	.3179	.3360	.2793	.2641	.2890	.2312	.2990	.3010	.2923	.3235	.2953	.3239
132	BIGONIAL DIAMETER	.3217	.4020	.4025	.3926	.3930	.3568	.2503	.3505	.2565	.3381	.3238	.3697	.3652	.3555	.3594
133	BIOCULAR DIAMETER	.1885	.1888	.1824	.1933	.1912	.1545	.1877	.1141	.2394	.1754	.2292	.1785	.2459	.2201	.2659
134	INTERPUPILLARY DST	.0944	.1079	.1018	.1280	.1252	.0966	.1508	.0697	.1689	.1398	.1507	.1133	.1526	.1360	.1715
135	INTEROCULAR DIAM	.0601	.0442	.0373	.0579	.0509	.0225	.1080	.0703	.1459	.0785	.0965	.0741	.0979	.0725	.1105

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
136	NASAL ROOT BREADTH	.0669	.0336	.0300	.0469	.0463	.0173	.0866	.0304	.1501	.0591	.0927	.0602	.0735	.0594	.1093
137	NASAL BREADTH	.0280	-.0731	-.0845	-.0366	-.0406	-.0759	-.1022	.0132	.1327	.0454	.0986	.0365	.0964	.0532	.1276
138	NOSE PROTRUSION	.1179	.1315	.1350	.1590	.1473	.1991	.0763	.0430	.1142	.1260	.0695	.0709	.0343	.0607	.0308
139	PHILTRUM LENGTH	.1093	.0608	.0594	.0425	.0527	.0282	.0753	.0700	.1020	.0938	.0921	.0709	.0951	.0874	.1027
140	LIP-LIP DISTANCE	-.0523	-.1528	-.1615	-.1028	-.1200	-.1206	-.0378	-.1030	-.0645	-.0150	-.0111	-.0498	-.0099	-.0368	-.0292
141	LIP LENGTH	.1035	.0520	.0465	.0598	.0643	.0315	.1279	.0863	.1229	.1083	.1063	.1015	.1146	.0813	.1295
142	LIP LENGTH SMILING	.1262	.1034	.1031	.1170	.1147	.0892	.1125	.1044	.1192	.1165	.1326	.1199	.1325	.1112	.1475
143	MENTON-SUBNASALE L	.1027	.0281	.0176	.0567	.0488	.0548	.0414	.0762	.1212	.1648	.1085	.0635	.0970	.0721	.1055
144	MENTON-NASAL RT DP	.1546	.1039	.0957	.1447	.1269	.1504	.1879	.1108	.1984	.2343	.1388	.1015	.1213	.1071	.1244
145	SUBNAS-NAS RT DPTH	.0804	.0897	.0880	.1419	.1080	.1812	.1120	.0347	.1580	.1481	.0542	.0505	.0443	.0556	.0326
146	VERTEX-GLABELLA HT	.0817	.0382	.0504	.0543	.0672	.0653	.0220	.0595	.0543	.0733	.0765	.0242	.0550	.0399	.0712
147	VERTEX-NASAL RT DP	.0656	.0185	.0238	.0388	.0555	.0463	.0460	.0506	.0621	.0904	.0819	.0080	.0591	.0400	.0729
148	VERTEX-EXT CANT HT	.1033	.0868	.0937	.0859	.1056	.0914	.0919	.0938	.0935	.1177	.1114	.0597	.1102	.0971	.1181
149	VERTEX-PRONASALE H	.0543	.0087	.0121	.0327	.0328	.0605	.0499	.0230	.0815	.0843	.0436	-.0242	-.0179	.0053	.0214
150	VERTEX-STOMION HT	.1096	.0266	.0283	.0657	.0656	.0885	.0765	.0549	.1365	.1515	.1099	.0162	.0661	.0470	.0836
151	VERTEX-MENTON HT	.1511	.0727	.0709	.1123	.1112	.1281	.1386	.1073	.1781	.2169	.1520	.0709	.1208	.0947	.1349
152	VERTEX-TRAGION HT	.1641	.1894	.1996	.1935	.2103	.2034	.1285	.1447	.1255	.2006	.1748	.1315	.1605	.1666	.1658
153	WALL-GLABELLA DIST	.2289	.2224	.2251	.2308	.2497	.2162	.2345	.2290	.1957	.2684	.2452	.2405	.2453	.2315	.2830
154	WALL-NAS RT DEP DT	.2439	.2486	.2508	.2592	.2701	.2491	.2235	.2332	.2142	.2788	.2464	.2587	.2506	.2422	.2851
155	WALL-EX CANT DIST	.1816	.1871	.1894	.1932	.2041	.1726	.1820	.1695	.1693	.2044	.2128	.2233	.2157	.2011	.2582
156	WALL-PRONASALE DST	.2744	.2973	.2969	.3144	.3187	.3043	.2722	.2480	.2391	.3247	.2763	.3127	.2868	.2857	.3140
157	WALL-STOMION DIST	.2192	.2117	.2086	.2372	.2434	.1998	.2690	.2157	.2154	.2697	.2666	.2919	.2774	.2628	.3242
158	WALL-MENTON DIST	.3177	.3982	.4017	.3975	.4062	.3600	.3617	.3349	.2172	.3338	.3308	.4241	.3842	.3839	.4039
159	WALL-TRAGION DIST	.1146	.1178	.1254	.1258	.1347	.1104	.1731	.1081	.0909	.1301	.1471	.1678	.1361	.1390	.1714
169	WEIGHT REPORTED	.6791	.8409	.8354	.8388	.8605	.7366	.5079	.6916	.4085	.6403	.7415	.7967	.8246	.8062	.8549
170	STATURE REPORTED	.2758	.3149	.3163	.4195	.3702	.5234	.3551	.1517	.3922	.4799	.2690	.2214	.2218	.2488	.2443

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		51	62	63	64	65	56	67	68	69	70	71	72	73	74	75
1	AGE	.0396	.1552	.1335	.1330	.1450	.0883	.1138	.1222	.1318	.0751	.0724	.0382	.0207	.0193	.0687
2	WEIGHT	.8139	.7655	.8668	.8614	.8862	.9364	.9084	.8213	.7590	.9119	.9139	.8714	.8753	.8746	.8609
3	SKF SUBSCAPULAR	.5868	.5888	.6288	.6475	.7380	.6973	.6967	.4858	.4219	.7014	.7071	.5962	.5685	.5643	.5770
4	SKF TRICEPS	.5515	.4369	.4603	.5272	.6349	.6415	.6311	.4262	.3692	.6764	.6622	.5776	.5114	.5437	.5477
5	SKF JUXTA NIPPLE	.4024	.3957	.3680	.4335	.4996	.4782	.4711	.3491	.3108	.4913	.4851	.4138	.3527	.3771	.4016
6	SKF MAL XIPHOID	.5965	.5491	.5875	.6529	.7975	.7315	.7352	.4892	.4330	.7273	.7376	.6159	.5669	.5775	.5724
7	SKF SUPRA ILIAC	.5793	.5445	.5821	.6438	.7872	.7109	.7186	.5027	.4503	.7202	.7262	.5922	.5568	.5530	.5737
8	SKF DORSAL HAND	.2773	.3060	.2921	.3147	.3409	.3433	.3495	.2541	.2269	.3485	.3467	.3106	.3254	.3234	.3258
9	GRIP STRENGTH	.2926	.3824	.4493	.3804	.3189	.3560	.2983	.3399	.3160	.3156	.2204	.3360	.3731	.3325	.3595
10	HEIGHT (STATURE)	.2438	.1661	.3083	.2458	.2511	.3560	.3252	.6336	.6466	.2037	.2204	.2460	.4715	.4447	.2716
11	CERVICALE HEIGHT	.2542	.1647	.3075	.2474	.2570	.3509	.3363	.6268	.6367	.2154	.2311	.2485	.4682	.4522	.2686
12	SHOULDER(ACROM) HT	.2606	.1682	.3041	.2734	.2715	.3690	.3439	.6371	.6487	.2243	.2427	.2545	.4727	.4550	.2671
13	ELBOW (RADIALE) HT	.2712	.1792	.2884	.2787	.2833	.3754	.3439	.6564	.6648	.2399	.2566	.2654	.4674	.4490	.2727
14	WRIST (STYLION) HT	.2415	.1837	.2532	.2732	.2815	.3594	.3308	.6337	.6414	.2271	.2428	.2435	.4333	.4106	.2535
15	DACTYLION HEIGHT	.2275	.1593	.2094	.2395	.2715	.3453	.3221	.6337	.6414	.2172	.2334	.2295	.3989	.3734	.2384
16	SUPRASTERNALE HT	.2612	.1602	.3173	.2554	.2622	.3588	.3231	.6078	.6132	.2226	.2395	.2616	.4797	.4588	.2734
17	CHEST (NIPPLE) HT	.1757	.0645	.2188	.1618	.1460	.2482	.2152	.5107	.5247	.1180	.1340	.1607	.3871	.3654	.1768
18	WAIST HEIGHT (OMP)	.1689	.0543	.2126	.1426	.1173	.2195	.1834	.4200	.4308	.1009	.1164	.1516	.3708	.3544	.1598
19	ILIOCRISTALE	.2155	.0951	.2495	.1960	.2025	.2764	.2489	.4251	.4334	.1604	.1782	.2019	.4107	.4018	.2025
20	TROCHANTERIC HT	.1932	.0702	.2162	.1612	.1616	.2282	.1977	.3683	.3744	.1263	.1439	.1800	.3742	.3622	.1649
21	BUTTOCK HEIGHT	.2007	.0705	.2099	.1484	.1595	.2196	.1944	.3367	.3431	.1271	.1437	.1559	.3668	.3357	.1506
22	CROTCH HEIGHT	.1587	.0254	.1746	.1190	.1167	.1805	.1558	.3153	.3229	.0843	.1035	.1272	.3400	.3194	.1248
23	GLUTEAL FURROW HT	.1528	.0279	.1765	.1159	.1119	.1665	.1393	.2989	.3093	.0770	.0909	.1155	.3263	.3194	.1137
24	PATELLA TOP HEIGHT	.2150	.1006	.2446	.1874	.1816	.2373	.2082	.3804	.3897	.1452	.1531	.2030	.3999	.3886	.1908
25	PATELLA BOTTOM HT	.2115	.0972	.2427	.1790	.1761	.2338	.2066	.3668	.3728	.1473	.1559	.1923	.3941	.3727	.1930
26	CALF HEIGHT	.2067	.0975	.2171	.1608	.1519	.2152	.1908	.3230	.3234	.1494	.1608	.1562	.3527	.3428	.1359
27	ANKLE HEIGHT	.0528	.0593	.1006	.0443	.0519	.0702	.0533	.1600	.1578	.0271	.0411	.1115	.1571	.1452	.0409
28	MED"L MALLEOLUS HT	.1232	.1573	.2007	.1632	.1948	.2557	.2364	.3877	.4114	.1337	.1434	.1709	.3140	.2751	.2308
29	LAT"L MALLEOLUS HT	.0697	.0823	.1340	.1045	.1207	.1647	.1629	.2720	.2874	.0751	.0836	.0941	.2543	.1927	.1404
30	SPHYRION HEIGHT	.0097	.0695	.1164	.0589	.0658	.1267	.1165	.2488	.2752	.0176	.0308	.0759	.2061	.1427	.1106
31	SITTING HEIGHT	.1797	.2185	.2894	.2441	.2583	.3653	.3304	.7275	.7598	.2038	.2121	.2298	.3829	.3403	.2872
32	EYE HEIGHT SITTING	.1377	.1844	.2647	.2247	.2309	.3402	.3024	.7015	.7351	.1814	.1884	.2071	.3504	.3091	.2576
33	MID SHOULDER HT/S	.2141	.2487	.2906	.2813	.3064	.4005	.3565	.7737	.8066	.2467	.2558	.2539	.3815	.3596	.2940
34	ELBOW REST HT SIT	.0587	.1523	.0934	.1615	.1779	.2201	.2109	.4974	.5487	.1373	.1376	.1200	.1388	.1192	.1517
35	KNEE HEIGHT SIT	.3430	.2215	.3727	.3088	.3158	.3993	.3591	.3100	.4909	.3004	.3109	.3519	.5357	.5254	.3485
36	POPLITEAL HT/SIT	.1376	.0365	.1759	.0936	.0821	.1595	.1242	.3100	.3209	.0597	.0709	.1066	.3034	.2901	.1225
37	BUTTOCK KNEE LNGIH	.4845	.3377	.4933	.4590	.4922	.5689	.5376	.5433	.5085	.4961	.5111	.4944	.6366	.6388	.4619
38	BUTTOCK POP LENGTH	.4284	.2780	.4299	.3978	.4377	.5004	.4763	.4604	.4279	.4380	.4617	.4292	.5474	.5544	.3839
39	SHOULDER-ELBOW LTH	.1931	.1171	.2790	.2414	.2162	.2803	.2421	.4423	.4551	.1502	.1674	.1866	.3814	.3753	.2031
40	ELBOW WRIST LENGTH	.2685	.1607	.2946	.2414	.2126	.2763	.2565	.3698	.3664	.2038	.2162	.2390	.3522	.3853	.2160
41	FUNCTIONAL REACH	.2259	.1653	.3014	.2434	.2323	.2873	.2565	.3783	.3789	.1956	.2117	.2237	.3835	.3822	.2289
42	SLEEVE INSEAM	.0584	-.0610	.1153	.0190	.0241	-.0940	-.0653	.2401	.2531	-.0108	-.0036	-.0313	.2323	.2174	.0444
43	BIACROMIAL BREADTH	.3340	.4025	.6200	.4139	.3291	.3933	.3613	.4331	.4160	.3487	.3465	.3555	.4115	.3828	.3739
44	BIDELTOID BREADTH	.6549	.7224	.9163	.8083	.7156	.7423	.7111	.6545	.6112	.7311	.7254	.6886	.6560	.6551	.6877
45	CHEST BREADTH/SKIN	.6403	.6948	.8334	.8734	.7836	.7495	.7439	.6355	.5965	.7291	.7300	.6778	.6494	.6569	.6737

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
46 CHEST BREADTH/BONE	.5279	.6012	.7535	.7714	.6519	.6296	.6132	.5646	.5377	.6071	.6048	.5810	.5558	.5628	.5845
47 WAIST BRDTH (OMP)	.6819	.6686	.7448	.8060	.9543	.8709	.8617	.6994	.6555	.8044	.8175	.7255	.7289	.7305	.7044
48 BI-ILIOCRISTALE	.6752	.6683	.7428	.8037	.9427	.8583	.8578	.7063	.6641	.7982	.8115	.7164	.7217	.7226	.7013
49 HIP BREADTH	.6790	.5839	.6948	.7210	.8157	.9185	.8811	.7516	.7114	.8116	.8248	.7460	.7869	.7747	.7257
50 HIP BREADTH SIT	.7010	.6085	.7131	.7474	.8587	.9331	.9139	.7560	.7064	.8494	.8655	.7782	.7954	.7924	.7610
51 BITROCHANTERC/BONE	.5309	.4807	.5931	.6008	.6926	.8054	.7643	.7258	.7073	.6280	.6513	.5972	.7207	.6895	.6004
52 ELBOW BREADTH	.3866	.4034	.4589	.4285	.3765	.4308	.3965	.4489	.4321	.3991	.4048	.4282	.4860	.4866	.4292
53 MAX.F"ARM-F"ARM BR	.6121	.6375	.5834	.6641	.7024	.6704	.6574	.5355	.4911	.6845	.6769	.6275	.5313	.5757	.5051
54 WRIST BREADTH	.2523	.3587	.3918	.3166	.2576	.3443	.3161	.4088	.3968	.2667	.2778	.3333	.4606	.3991	.3366
55 KNEE BREADTH	.4771	.4439	.5239	.4998	.5097	.5975	.5541	.6074	.5812	.5207	.5289	.6029	.7309	.7021	.5724
56 KNEE-KNEE BR SIT	.6375	.5482	.6079	.6243	.7017	.7549	.7356	.5900	.5747	.7434	.7506	.7357	.7579	.7620	.7081
57 CHEST DEPTH	.6780	.6869	.7461	.8641	.7953	.7723	.7579	.6212	.5270	.7781	.7706	.7206	.6566	.6785	.6911
58 WAIST DEPTH (OMP)	.7298	.6931	.7291	.7701	.9112	.8188	.8251	.6249	.5469	.8154	.8246	.7419	.7046	.7132	.7034
59 ABDOMINAL DPTH/SIT	.6946	.6459	.6908	.7310	.8767	.8181	.8243	.6307	.5554	.7981	.7981	.7180	.7044	.7089	.6890
60 BUTTOCK DEPTH	.7732	.6946	.7424	.7639	.8566	.8802	.8613	.6798	.6023	.8907	.8937	.8013	.7524	.7693	.7614
61 THIGH CLEAR HT SIT	—	.6417	.6970	.7080	.7359	.7873	.7513	.6174	.5485	.8570	.8387	.7970	.7359	.7379	.5738
62 NECK CIRC MAXIMUM	.6417	—	.7610	.7052	.7020	.6798	.5885	.5307	.7110	.7098	.6593	.5981	.6031	.6434	.5046
63 SHOULDER CIRC	.6970	.7610	—	.8724	.7642	.7902	.7637	.6670	.7885	.7838	.7487	.7097	.5973	.7374	.5873
64 CHEST CIRCUMF"ENCE	.7080	.7052	.8724	—	.8041	.7919	.6625	.6202	.8023	.7951	.7478	.6952	.7043	.7257	.5793
65 WAIST CIRC (OMPH)	.7359	.7020	.7642	.8041	—	.8928	.8885	.6957	.6375	.8523	.8627	.7688	.7456	.7377	.5926
66 BUTTOCK CIRC	.7873	.6798	.7902	.7919	.8928	—	.9427	.7807	.7160	.8870	.8949	.8036	.8130	.8007	.6803
67 BUTTOCK CIRC/SIT	.7513	.5885	.7637	.6625	.8885	.9427	—	.7447	.6852	.8870	.8949	.8036	.8130	.8007	.6563
68 VERTICAL TRUNK CIR	.6174	.5307	.6670	.6202	.6957	.7807	.7447	—	.9538	.6787	.6914	.6516	.6787	.6914	.6199
69 VERT TRUNK CIR SIT	.5485	.7110	.7885	.8023	.6375	.7160	.6852	.9538	—	.6036	.6147	.5804	.6605	.6440	.5905
70 UPPER THIGH CIRC	.8570	.7098	.7838	.7951	.8523	.8870	.8870	.6787	.6036	—	.9725	.8875	.7935	.8120	.8474
71 THIGH CIRC SITTING	.8387	.6593	.7487	.7478	.8627	.8949	.8949	.6914	.6147	.9725	—	.8783	.8056	.8247	.8303
72 LOWER THIGH CIRC	.7970	.5981	.7097	.6952	.7688	.8036	.8036	.6516	.5804	.8875	.8783	—	.8226	.8366	.8359
73 KNEE CIRCUMFERENCE	.7359	.6031	.5973	.7043	.7456	.8130	.8130	.6787	.6605	.7935	.8056	.8226	—	.9031	.7980
74 KNEE CIRC SITTING	.7379	.6434	.7374	.7257	.7377	.8007	.8007	.6914	.6440	.8120	.8247	.8366	.9031	—	.7998
75 CALF CIRCUMFERENCE	.5738	.5046	.5873	.5793	.5926	.6803	.6563	.6199	.5905	.8474	.8303	.8359	.7980	.7998	—
76 ANKLE CIRCUMF"ENCE	.5738	.5046	.5873	.5793	.5926	.6803	.6563	.6199	.5808	.6474	.6427	.6864	.7394	.7249	.7821
77 SCYE CIRCUMFERENCE	.6721	.7456	.8006	.7713	.7377	.7735	.7485	.6931	.6450	.7456	.7485	.7102	.6978	.7055	.6865
78 BICEPS CIRC EXT	.7488	.7599	.8234	.8137	.7634	.7924	.7717	.5994	.5308	.8562	.8386	.7961	.6859	.6987	.6694
79 BICEPS CIRC FLEXED	.7110	.7418	.8172	.7956	.7144	.7482	.7280	.5718	.5071	.8134	.7954	.7629	.6518	.6570	.7326
80 ELBOW CIRC EXT	.6780	.7000	.7904	.7425	.6868	.7460	.7112	.6491	.6029	.7479	.7448	.7506	.7359	.7298	.7256
81 ELBOW CIRC FLEXED	.4593	.4923	.5617	.5199	.4252	.4966	.4652	.4933	.4632	.4812	.4803	.4994	.5016	.5135	.4898
82 FOREARM CIRC EXT	.6905	.7470	.8130	.7591	.6803	.7463	.7161	.6310	.5782	.7688	.7616	.7610	.7292	.7257	.7535
83 FOREARM CIR FLEXED	.6443	.7053	.7659	.7228	.6188	.6794	.5489	.5854	.5318	.7125	.7029	.7107	.6451	.6498	.7052
84 WRIST CIRCUMF"ENCE	.4925	.5431	.6110	.5403	.4846	.5648	.5363	.5780	.5403	.5166	.5246	.5729	.6595	.6277	.5704
85 SL SPINE/SCYE	.4115	.4804	.6403	.5984	.4902	.4917	.4826	.4771	.4597	.4753	.4743	.4551	.4513	.4453	.4423
86 SL SPINE-ELBOW	.3738	.3758	.6031	.5008	.4543	.5160	.4828	.5930	.5870	.4130	.4159	.4189	.5419	.5308	.4414
87 SL SPINE-WRIST	.3300	.3324	.5449	.4412	.3950	.4740	.4368	.5527	.5448	.3679	.3767	.3893	.5349	.5213	.4002
88 ANTERIOR NECK LGTH	-.0823	-.1963	-.1190	-.1408	-.1751	-.1379	-.1488	-.1037	-.1593	-.2250	-.2153	-.1745	-.0538	-.0873	-.1412
89 POSTERIOR NECK LTH	.0066	-.0474	-.0482	-.0070	-.0574	-.0161	-.0138	-.1248	-.1394	-.0413	-.0181	-.1123	-.0538	.0305	-.0399
90 SHOULDER LENGTH	.1268	.0501	.2330	.0879	.0633	.1162	.0942	.2198	.2280	.0636	.0615	.0621	.1629	.1444	.1280

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
91 DELTOID ARC	.0776	.0783	.1913	.1006	.0782	.1292	.1192	.2788	.3009	.0264	.0461	.0658	.1970	.1923	.0969
92 INTERSCYE	.4523	.5049	.6655	.6158	.5029	.5054	.4855	.4264	.4045	.4970	.4838	.4673	.4380	.4585	.4691
93 INTERSCYE MAXIMUM	.4932	.5802	.7301	.6767	.5854	.6055	.5820	.5539	.5297	.5736	.5685	.5470	.5463	.5405	.5512
94 WAIST FRONT	.4397	.3776	.4385	.4435	.5231	.5383	.5281	.5453	.6668	.4612	.4674	.4454	.4990	.4824	.4372
95 CROTCH LENGTH	.6396	.5703	.6599	.6376	.6768	.7752	.7549	.7749	.7159	.7364	.7479	.6965	.7078	.6956	.6771
96 WAIST BACK	.2300	.2601	.2997	.2858	.3779	.4062	.3815	.6860	.6972	.2635	.2711	.2554	.3856	.3607	.2946
97 FOOT LENGTH	.3052	.2502	.3476	.2871	.2586	.3563	.3146	.4507	.4365	.2661	.2816	.3238	.5062	.4846	.3562
98 BALL-OF-FOOT LNGTH	.3070	.2372	.3258	.2755	.2554	.3506	.3150	.4036	.3835	.2736	.2906	.3229	.4995	.4661	.3506
99 BALL-OF-FOOT BRDTH	.4023	.3868	.4664	.4168	.3818	.4663	.4380	.4842	.4509	.4232	.4330	.4209	.5463	.5374	.5167
100 BI-MALLEOLAR BRDTH	.3564	.3478	.3792	.3501	.3278	.4224	.3851	.4977	.4746	.3462	.3507	.4717	.5430	.5345	.4633
101 BALL-OF-FOOT GIRTH	.4514	.4396	.5200	.4554	.4173	.5172	.4846	.5453	.5135	.4607	.4708	.5175	.6267	.6042	.5786
102 INSTEP CIRCUMF"NCE	.4741	.4587	.5274	.4713	.4330	.5204	.4862	.5370	.5052	.4856	.4872	.5469	.6281	.6284	.5743
103 HEEL-ANKLE CIRCUMF	.4815	.4298	.5374	.4760	.4472	.5483	.5103	.5807	.5549	.4854	.4935	.5509	.6922	.6672	.5782
104 HAND LENGTH	.2084	.1682	.2878	.2096	.1486	.2326	.1950	.2844	.2847	.1563	.1676	.1730	.3683	.3550	.2193
105 PALM LENGTH	.1622	.1339	.2400	.1720	.1224	.1969	.1640	.2446	.2080	.1219	.1347	.1402	.3273	.3036	.1793
106 HAND BREADTH/META	.3307	.2400	.4517	.4000	.3102	.3771	.3599	.4229	.4031	.3405	.3411	.3857	.4529	.4361	.4087
107 HAND CIRC/META	.3690	.4053	.5016	.4338	.3377	.4170	.3926	.4717	.4554	.3735	.3767	.4329	.5074	.4909	.4480
108 HAND CIRC/THUMB	.4498	.4481	.5966	.5074	.4003	.4888	.4572	.5240	.4973	.4662	.4670	.5178	.5800	.5505	.5420
109 THICKNESS META/III	.2665	.5316	.3631	.3323	.2778	.3204	.3063	.3422	.3174	.2823	.3153	.3211	.3592	.3354	.3321
110 FINGER DIAM III	.2843	.3846	.3846	.3683	.2848	.3603	.3364	.4074	.3974	.3055	.3638	.3576	.4540	.4098	.3718
111 HEAD CIRCUMFERENCE	.3232	.4351	.3920	.3455	.3461	.3748	.3574	.3547	.3308	.3615	.3776	.3491	.3903	.3903	.3599
112 SAGITTAL ARC	.0989	.1478	.1162	.1001	.1030	.1259	.1021	.1932	.1910	.0946	.0944	.1153	.1495	.1648	.1201
113 MINIMUM FRONTL ARC	.1588	.2217	.2031	.1626	.1642	.1703	.1503	.1668	.1527	.1710	.1896	.2262	.2017	.2083	.1784
114 BIT-CORONAL ARC	.2497	.3491	.2961	.2732	.2981	.3243	.3305	.3418	.3232	.2763	.2549	.2784	.3322	.2950	.3108
115 BIT-MIN FRONTAL A	.3285	.4432	.4106	.3732	.3810	.4113	.3935	.4142	.3878	.3717	.3776	.3822	.4328	.4232	.3924
116 BIT-SUBNASALE ARC	.4084	.5233	.5056	.4554	.4250	.4589	.4499	.4132	.3711	.4670	.4594	.4644	.4858	.4848	.4652
117 BIT-MENTON ARC	.4374	.5755	.5551	.5102	.4592	.5098	.4734	.4861	.4477	.5002	.5064	.4918	.5109	.5253	.4887
118 BIT-SUBMANDIB ARC	.4553	.6037	.5535	.5351	.5257	.5576	.5189	.5286	.4950	.5244	.5417	.4972	.5277	.5379	.5098
119 BIT-POSTERIOR ARC	.4436	.6068	.5421	.5155	.5185	.5332	.4887	.4881	.4517	.5183	.5373	.4737	.4920	.4743	.4741
120 HEAD LENGTH	.2029	.2191	.2598	.2139	.1890	.2321	.2205	.2573	.2388	.2181	.2165	.2188	.2619	.2709	.2342
121 MAX HEAD DIAG/MENT	.3211	.4399	.4087	.3470	.3060	.3685	.3416	.4025	.3726	.3391	.3350	.3547	.4123	.3991	.3681
122 MAX HEAD DIAG/NUCH	.4234	.5640	.5150	.5009	.4937	.5211	.5098	.4919	.4640	.4881	.4871	.4583	.4850	.4710	.4789
123 EAR LENGTH	.2099	.2191	.2320	.2756	.3089	.3042	.2982	.3436	.3363	.2411	.2376	.2337	.3021	.2741	.2670
124 EAR LGTH ABOVE TRG	.0856	.1033	.1238	.1514	.1509	.1430	.1542	.1561	.1936	.1031	.1020	.1151	.1695	.1555	.1525
125 EAR BREADTH	.1315	.1315	.1485	.1515	.1418	.1601	.1511	.1219	.1424	.1379	.1388	.1348	.2000	.1468	.1431
126 EAR PROTRUSION	.0386	.0402	.0708	.0699	.1003	.0892	.0993	.1020	.1220	.0481	.0403	.0558	.0869	.0468	.0814
127 HEAD BREADTH	.2754	.3883	.3284	.3148	.3359	.3241	.3159	.3288	.2511	.3108	.3194	.3054	.3066	.3047	.3015
128 AGE	.1599	.2533	.2474	.2517	.2888	.2810	.2691	.2716	.3326	.2002	.2184	.2079	.2656	.2357	.2362
129 BITRAGION DIAMETER	.3110	.4110	.3891	.3630	.3777	.3915	.3565	.3633	.3376	.3502	.3910	.3522	.3929	.3985	.3377
130 BIZYGOMATIC DIAM	.4023	.5207	.4910	.4703	.4777	.4815	.4531	.4257	.3954	.4585	.4846	.4579	.4630	.4693	.4366
131 MAX FRONTAL DIAM	.3142	.3990	.3702	.3343	.3409	.3572	.3233	.3301	.3109	.3515	.3783	.3536	.3788	.3829	.3382
132 BIGONIAL DIAMETER	.3556	.4341	.3929	.3989	.4006	.4166	.4079	.4001	.3787	.3833	.3978	.3711	.3983	.4053	.3854
133 BIOCULAR DIAMETER	.2516	.3225	.3140	.2160	.2013	.2489	.2273	.1837	.1502	.2792	.2978	.2840	.3369	.2927	.2588
134 INTERPUPILLARY DST	.1791	.2127	.2106	.1255	.1183	.1634	.1176	.1177	.1008	.1857	.2339	.2088	.2467	.2505	.1668
135 INTEROCULAR DIAM	.1271	.1655	.1455	.0814	.0611	.0923	.0710	.0478	.0255	.1315	.1442	.1481	.1501	.1712	.1285

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		61	62	63	64	65	66	57	68	69	70	71	72	73	74	75
136	NASAL ROOT BREADTH	.1109	.1451	.1414	.0725	.0400	.0833	.0693	.0398	.0208	.1176	.1420	.1394	.1650	.1677	.1221
137	NASAL BREADTH	.1593	.1820	.1631	.0454	-.0100	.0477	-.0213	-.0465	-.0904	.1393	.1507	.1730	.1424	.1631	.1077
138	NOSE PROTRUSION	.0462	.0686	.0994	.0894	.0972	.1211	.0830	.1951	.2162	.0469	.0805	.0632	.1337	.1136	.0910
139	PHILTRUM LENGTH	.1149	.1410	.1198	.0961	.0662	.0788	.0995	.0774	.0626	.1055	.0670	.1162	.1029	.0743	.0982
140	LIP-LIP DISTANCE	.0798	.0212	.0553	-.0464	-.1078	-.0467	-.0784	-.1097	-.1352	.0345	.0512	.0637	.0653	.0793	.0256
141	LIP LENGTH	.1680	.1990	.1613	.1129	.0779	.1067	.0515	.0802	.0609	.1449	.1857	.1598	.1433	.1921	.1410
142	LIP LENGTH SMILING	.1829	.1858	.1851	.1432	.1189	.1410	.0939	.1246	.1185	.1644	.1902	.1829	.1695	.1919	.1654
143	MENTON-SUBNASALE L	.1332	.1426	.1456	.0874	.0558	.0891	.0730	.0952	.0865	.1082	.1040	.1377	.1384	.1494	.1244
144	MENTON-NASAL RT DP	.1495	.1998	.2013	.1342	.1112	.1467	.1312	.2096	.2116	.1259	.1295	.1637	.2067	.1975	.1671
145	SUBNAS-NAS RT DPTH	.0431	.0846	.1051	.0689	.0733	.0973	.0934	.1846	.2015	.0380	.0468	.0625	.1461	.1028	.0936
146	VERTEX-GLABELLA HT	.0486	.1157	.0691	.0530	.0413	.0627	.0582	.0770	.0521	.0547	.0431	.0384	.0521	.0575	.0925
147	VERTEX-NASAL RT DP	.0557	.1089	.0721	.0421	.0322	.0584	.0474	.0658	.0502	.0580	.0485	.0618	.0650	.0784	.0951
148	VERTEX-EXT CANT HT	.0885	.2035	.1191	.0866	.0930	.1112	.1013	.1038	.0870	.1045	.0939	.1035	.1084	.1134	.1455
149	VERTEX-PRONASALE H	.0035	.0861	.0409	.0102	.0094	.0237	.0181	.0661	.0512	-.0006	-.0036	.0124	.0398	.0334	.0625
150	VERTEX-STOMION HT	.0809	.1605	.1252	.0628	.0365	.0764	.0602	.1147	.1035	.0695	.0635	.0914	.1243	.1216	.1357
151	VERTEX-MENTON HT	.1358	.2222	.1880	.1168	.0880	.1317	.1124	.1731	.1620	.1243	.1176	.1532	.1812	.1814	.1835
152	VERTEX-TRAGION HT	.1542	.2451	.1753	.1488	.1837	.2049	.1912	.2304	.2197	.1650	.1598	.1784	.2053	.1937	.2193
153	WALL-GLABELLA DIST	.2467	.3164	.2961	.2606	.2373	.2802	.2651	.2924	.2712	.2672	.2629	.2614	.2953	.3087	.2725
154	WALL-NAS RT DEP DT	.2491	.3225	.3025	.2743	.2551	.2959	.2853	.3203	.3021	.2715	.2681	.2643	.3107	.3181	.2835
155	WALL-EX CANT DIST	.2222	.2584	.2624	.2295	.1990	.2446	.2360	.2292	.2129	.2476	.2406	.2369	.2756	.2786	.2472
156	WALL-PRONASALE DST	.2867	.3484	.3494	.3211	.3010	.3468	.3302	.3695	.3538	.3114	.3075	.3098	.3723	.3686	.3222
157	WALL-STOMION DIST	.3138	.3458	.3439	.2910	.2429	.3021	.2795	.2714	.2425	.3236	.3161	.3268	.3518	.3665	.3035
158	WALL-MENTON DIST	.3576	.4310	.4276	.4253	.4066	.4386	.4213	.4249	.3990	.4042	.4055	.3824	.4273	.4276	.3686
159	WALL-TRAGION DIST	.1716	.1431	.1655	.1545	.1268	.1537	.1586	.1714	.1702	.1685	.1598	.1507	.1843	.1900	.1577
169	WEIGHT REPORTED	.8027	.7475	.8501	.8452	.8685	.9207	.8906	.8120	.7482	.8959	.8976	.8592	.8577	.8613	.8484
170	STATURE REPORTED	.2627	.1973	.3374	.2757	.2819	.3723	.3361	.6303	.6401	.2308	.2462	.2666	.4827	.4532	.2896

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

Variable	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
1 AGE	-.0186	.1647	.1316	.1251	.0937	.0782	.1176	.1266	.0241	.1443	.1107	.0712	-.0436	-.0414	-.0317
2 WEIGHT	.7368	.8386	.8433	.8085	.8307	.5888	.8367	.7725	.6740	.5552	.6145	.5905	-.1035	-.0525	.1667
3 SKF SUBSCAPULAR	.4091	.5699	.6432	.5965	.5387	.5000	.5388	.4754	.3380	.3386	.2583	.2138	-.2464	-.0391	-.0057
4 SKF TRICEPS	.4221	.4562	.5857	.5200	.4488	.2355	.4414	.3874	.2647	.3008	.2120	.1452	-.2395	-.1134	-.0303
5 SKF JUXTA NIPPLE	.3148	.3901	.4365	.3898	.3632	.1992	.3548	.3285	.2272	.2840	.1807	.1292	-.1474	-.0962	-.0208
6 SKF MAL XIPHOID	.4100	.5635	.6420	.5841	.5051	.2368	.5000	.4377	.2899	.3422	.2280	.1694	-.2492	-.0843	-.0563
7 SKF SUPRA ILIAC	.4248	.5550	.6380	.5885	.4923	.2552	.4961	.4473	.2996	.3547	.2258	.1621	-.2075	-.0549	-.0784
8 SKF DORSAL HAND	.2882	.3128	.3319	.3041	.3146	.1983	.3225	.2847	.2947	.1606	.1523	.1461	-.1567	-.0351	-.0575
9 GRIP STRENGTH	.3434	.4595	.4306	.4649	.5062	.4727	.5590	.5592	.4995	.3382	.3954	.4231	.0162	-.1446	-.1382
10 HEIGHT (STATURE)	.3968	.3590	.1320	.1335	.3498	.3695	.2932	.2488	.4575	.2621	.6935	.7687	.3416	.2689	.3464
11 CERVICALE HEIGHT	.3930	.3625	.1327	.1292	.3466	.3660	.2862	.2425	.4444	.2576	.6989	.7763	.3054	.1412	.3547
12 SHOULDER(ACROM) HT	.3889	.3794	.1388	.1335	.3438	.3633	.2834	.2407	.4370	.2584	.6683	.7530	.2786	.1865	.2315
13 ELBOW (RADIALE) HT	.3945	.3493	.1637	.1502	.3421	.3452	.2820	.2403	.4146	.2602	.6554	.6554	.2662	.1784	.2196
14 WRIST (STYLION) HT	.3777	.3133	.1562	.1462	.3099	.3033	.2591	.2205	.3570	.2486	.4662	.2633	.2530	.1746	.1748
15 DACTYLION HEIGHT	.3453	.2689	.1258	.1104	.2441	.2276	.1943	.1614	.2735	.2188	.3946	.4176	.2530	.1488	.1094
16 SUPRASTERNALE HT	.3916	.3632	.1460	.1470	.3649	.3772	.3055	.2588	.4652	.2590	.6902	.7791	.2361	.2292	.3176
17 CHEST (NIPPLE) HT	.3098	.2580	.0395	.0438	.2636	.3143	.2065	.1678	.3915	.1937	.6260	.7295	.2711	.2336	.2820
18 WAIST HEIGHT (OMP)	.2874	.2485	.0298	.0403	.2553	.3118	.1982	.1591	.3734	.1775	.6282	.7389	.2731	.1957	.2855
19 ILIOCRISTALE	.3121	.2911	.0745	.0801	.2860	.3249	.2307	.1588	.4051	.1984	.6414	.7601	.2176	.1639	.1955
20 TROCHANTERIC HT	.2743	.2537	.0439	.0487	.2590	.3064	.2021	.1541	.3660	.1595	.6030	.7328	.2057	.1364	.1912
21 BUTTOCK HEIGHT	.2640	.2431	.0497	.0521	.2649	.2963	.2015	.1272	.3495	.1487	.5827	.7099	.1970	.1517	.3105
22 CROTCH HEIGHT	.2456	.2172	.0107	.0164	.2304	.2833	.1710	.1205	.3354	.1364	.5915	.7248	.2300	.1497	.2581
23 GLUTEAL FURROW HT	.2286	.2084	.0050	.0118	.2931	.2741	.1640	.1930	.3270	.1289	.5849	.7213	.2096	.1390	.2503
24 PATELLA TOP HEIGHT	.3064	.2785	.0727	.0787	.2931	.3244	.2341	.1847	.3951	.1799	.6039	.7259	.2428	.1428	.2715
25 PATELLA BOTTOM HT	.2951	.2643	.0731	.0801	.2779	.3054	.2257	.1671	.3739	.1616	.5824	.7094	.2002	.1657	.2443
26 CALF HEIGHT	.2109	.2270	.0789	.0861	.2591	.2739	.2144	.0777	.3194	.1467	.4998	.6031	.1924	.1441	.3568
27 ANKLE HEIGHT	-.0108	.1151	.0060	.0192	.1252	.1387	.0952	.1931	.1045	.0630	.2244	.3205	.0236	-.0047	-.2377
28 MED"L MALLEOLUS HT	.3422	.2454	.1196	.1150	.2779	.2779	.2284	.0831	.3434	.1789	.3334	.3103	.1860	.1264	.1623
29 LAT"L MALLEOLUS HT	.2064	.1599	.0425	.0358	.1610	.1261	.1257	.0931	.2277	.0882	.2432	.2540	.1654	.1727	.1315
30 SPHYRION HEIGHT	.1983	.1294	.0132	.0276	.1610	.1302	.1221	.0931	.2521	.0953	.2270	.2410	.1539	.1766	-.0608
31 SITTING HEIGHT	.3839	.3403	.1681	.1686	.3036	.2961	.2745	.2525	.3900	.2980	.5046	.4805	.3680	.2936	.3037
32 EYE HEIGHT SITTING	.3552	.3195	.1470	.1501	.2818	.2824	.2530	.2370	.3673	.2918	.4952	.4811	.3390	.2590	.2787
33 MID SHOULDER HT/S	.3767	.1533	.1958	.1801	.3115	.2985	.2781	.2593	.3662	.2825	.4756	.4580	.2835	.1304	.2077
34 ELBOW REST HT SIT	.1871	.1310	.1260	.1067	.1115	.0663	.1009	.1031	.1057	.1551	-.0107	-.0585	-.1289	-.0333	-.0635
35 KNEE HEIGHT SIT	.4313	.4050	.2167	.2167	.4246	.4149	.3688	.3179	.4925	.2448	.5732	.7959	.1425	.1209	.2703
36 POPLITEAL HT/SIT	.2383	.2115	-.0007	.0112	.2267	.2889	.1700	.1350	.3499	.1160	.5755	.7223	.1895	.1320	.2607
37 BUTTOCK KNEE LNGTH	.4703	.5056	.3858	.3674	.5110	.4312	.4752	.4077	.4973	.3222	.6632	.7487	.0617	.1102	.2172
38 BUTTOCK POP LENGTH	.3910	.4396	.3333	.3162	.4502	.3811	.4080	.3434	.4151	.2069	.5505	.6933	.0487	.0886	.1900
39 SHOULDER-ELBOW LTH	.2988	.3805	.0790	.0831	.2933	.3471	.2489	.2108	.4031	.2291	.7505	.8133	.2230	.1564	.2244
40 ELBOW WRIST LENGTH	.2810	.3466	.1692	.1738	.3750	.3890	.3159	.2785	.4522	.2549	.6069	.7747	.1159	.0730	.2272
41 FUNCTIONAL REACH	.2972	.3419	.1516	.1449	.3381	.3199	.2917	.2455	.4279	.2549	.6143	.7035	.1478	.1163	.2673
42 SLEEVE INSEAM	.1452	.1310	-.0906	-.0824	-.1287	.2216	.0736	.0382	.2875	.0585	.6099	.7373	.2584	.1761	.3017
43 BIACROMIAL BREADTH	.3482	.4266	.3567	.3715	.4358	.3651	.4433	.4027	.4365	.4579	.6098	.5442	.2584	.1118	.5270
44 BIDELTOID BREADTH	.5543	.7733	.7621	.7554	.7361	.5430	.7556	.7151	.5743	.6546	.6098	.5430	-.0890	.0187	.2788
45 CHEST BREADTH/SKIN	.5588	.7317	.7303	.7089	.6716	.4627	.6810	.6402	.4963	.5973	.5026	.4300	-.0816	.0011	.1316

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
46 CHEST BREADTH/BONE	.4998	.6238	.6173	.6074	.5888	.4330	.5973	.5661	.4647	.5722	.4738	.4119	-.0656	.0084	.1220
47 WAIST BRDTH (OMP)	.5931	.7157	.7155	.6704	.6552	.4084	.6409	.5789	.4709	.5789	.4766	.4158	-.1242	-.0401	.0879
48 BI-ILIOCRISTALE	.5924	.7146	.7134	.6675	.6512	.4062	.6383	.5780	.4657	.4854	.4755	.4077	-.1166	-.0324	.1170
49 HIP BREADTH	.6492	.6945	.6803	.6367	.6617	.4402	.6438	.5787	.5115	.4606	.5295	.4846	-.0524	-.0226	.1533
50 HIP BREADTH SIT	.6544	.7097	.7146	.6656	.6640	.4269	.6521	.5888	.4974	.4615	.5047	.4479	-.0925	-.0043	.1227
51 BITROCHANTERC/BONE	.5983	.6103	.5178	.5759	.5611	.4125	.5454	.4811	.5123	.4158	.5673	.5365	-.0497	.0846	.2101
52 ELBOW BREADTH	.4259	.4800	.4597	.4579	.5611	.4484	.5665	.5148	.5481	.3492	.3935	.4062	.0217	.0807	.1327
53 MAX F"ARM-F"ARM BR	.4750	.6691	.7196	.6931	.6336	.4448	.6540	.6367	.4303	.4964	.3596	.2865	-.1458	-.1122	.0510
54 WRIST BREADTH	.4320	.4285	.3475	.3644	.5129	.4491	.5135	.4734	.6989	.2775	.3753	.4224	-.0901	.2007	.2076
55 KNEE BREADTH	.6089	.5600	.4688	.4532	.5966	.4686	.5711	.5175	.6261	.3940	.5098	.4889	.0666	.1013	.2007
56 KNEE-KNEE BR SIT	.6161	.5960	.6336	.5921	.6110	.3977	.6146	.5549	.5040	.3882	.3766	.3435	-.1392	-.0092	.0856
57 CHEST DEPTH	.5500	.7139	.7612	.7335	.6814	.4567	.6977	.6567	.4853	.3882	.3965	.3531	-.1671	-.0486	.0139
58 WAIST DEPTH (OMP)	.5430	.6917	.7468	.6957	.6680	.4118	.6767	.6156	.4848	.4436	.3894	.3438	-.2029	-.0214	.0437
59 ABDOMINAL DPTH/SIT	.5455	.6576	.7008	.6478	.6390	.3880	.6342	.5689	.4671	.4223	.3899	.3520	-.1804	-.0264	.0540
60 BUTTOCK DEPTH	.5973	.7104	.7774	.7344	.7083	.4454	.7156	.6509	.5051	.4502	.3966	.3590	-.2371	-.0360	.0609
61 THIGH CLEAR HT SIT	.5738	.6721	.7488	.7110	.6780	.4593	.6905	.5689	.4325	.4804	.3738	.3300	-.0823	-.0066	.1268
62 NECK CIRC MAXIMUM	.5046	.7466	.7599	.7418	.7000	.4923	.7470	.7053	.5431	.4814	.3738	.3324	-.1963	-.0474	.0501
63 SHOULDER CIRC	.5873	.8006	.8234	.8172	.7904	.5517	.8130	.7659	.6110	.6403	.6031	.5449	-.1190	.0482	.2330
64 CHEST CIRCUMF"ENCE	.5793	.7713	.8137	.7956	.7425	.5199	.7591	.7228	.5403	.5984	.5008	.4412	-.1408	-.0070	.0879
65 WAIST CIRC (OMPH)	.5926	.7377	.7634	.7144	.6868	.4252	.6803	.6188	.4846	.4902	.4543	.3950	-.1751	-.0574	.0633
66 BUTTOCK CIRC	.6803	.7735	.7924	.7482	.7460	.4966	.7463	.6794	.5363	.5160	.5160	.4740	-.1379	.0161	.1162
67 BUTTOCK CIRC/SIT	.6563	.7717	.7717	.7280	.7112	.4652	.7161	.6489	.5363	.4826	.4828	.4368	-.1488	.0138	.0942
68 VERTICAL TRUNK CIR	.6199	.6931	.5994	.5718	.6491	.4933	.6310	.5854	.5780	.4771	.5930	.5527	.1037	.1248	.2198
69 VERT TRUNK CIR SIT	.5808	.6450	.5308	.5071	.6029	.4632	.5782	.5318	.5403	.4597	.5870	.5448	.1593	.1394	.2280
70 UPPER THIGH CIRC	.6474	.7456	.8562	.8134	.7479	.4812	.7688	.7125	.5166	.4753	.4130	.3679	-.2250	-.0413	.0636
71 THIGH CIRC SITTING	.6427	.7485	.8386	.7954	.7448	.4803	.7616	.7107	.5246	.4159	.4189	.3767	-.2153	-.0255	.0615
72 LOWER THIGH CIRC	.6864	.7102	.7961	.7629	.7506	.4994	.7610	.7107	.5729	.4551	.4189	.3893	-.1745	-.0181	.0621
73 KNEE CIRCUMFERENCE	.7394	.6978	.6859	.6518	.7359	.5016	.7292	.6451	.6595	.4513	.5419	.5349	-.0538	-.1123	.1629
74 KNEE CIRC SITTING	.7249	.7055	.6987	.6570	.7298	.5135	.7257	.6498	.6277	.4453	.5308	.5213	-.0873	-.0305	.1444
75 CALF CIRCUMFERENCE	.7821	.6865	.7694	.7326	.7256	.4898	.7535	.7052	.5704	.4423	.4414	.4002	-.1412	-.0399	.1280
76 ANKLE CIRCUMF"ENCE															
77 SCYE CIRCUMFERENCE	.5772														
78 BICEPS CIRC EXT	.5922	.7921													
79 BICEPS CIRC FLEXED	.5586	.7823	.9514												
80 ELBOW CIRC EXT	.6589	.5937	.5779	.6406											
81 ELBOW CIRC FLEXED	.4605	.7813	.8195	.6699	.9225										
82 FOREARM CIRC EXT	.6408	.8092	.8698	.8688	.8385	.6968									
83 FOREARM CIR FLEXED	.5923	.7643	.8316	.8563	.7328	.7916	.9237								
84 WRIST CIRCUMF"ENCE	.6496	.6331	.5820	.5813	.7327	.5799	.6772	.6772							
85 SL SPINE/SCYE	.3682	.5360	.5279	.5298	.5298	.4059	.5379	.5103	.4314						
86 SL SPINE-ELBOW	.4441	.5885	.3862	.3918	.5170	.4735	.4967	.4506	.5176	.6497					
87 SL SPINE-WRIST	.4209	.5459	.3351	.3446	.5083	.4839	.4763	.4280	.5448	.5354	.9313				
88 ANTERIOR NECK LGTH	-.0121	-.1189	-.2291	-.2135	-.1321	-.0151	-.1464	-.1453	-.0083	-.0176	.1391	.0845			
89 POSTERIOR NECK LTH	-.0658	-.0206	-.0203	-.0033	.0602	.0748	.0696	.0458	.1502	.0355	.1204	.1169	.3179		
90 SHOULDER LENGTH	.1825	.1087	.0604	.0754	.1511	.1642	.1421	.1218	.1903	.2161	.3947	.3173	.3142	.2209	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	DELTOID ARC	.1738	.2780	-.0053	.0003	.1738	.2153	.1373	.1230	.2821	.1808	.5008	.5251	.1778	.1145	.0430
92	INTERSCYE	.3857	.4932	.5331	.5277	.5096	.3787	.5125	.4858	.3954	.5652	.3999	.3433	-.0273	-.0023	.2230
93	INTERSCYE MAXIMUM	.4740	.6350	.6018	.6057	.5985	.4493	.6091	.5800	.5068	.6834	.5448	.4924	-.0579	-.0402	.1869
94	WAIST FRONT	.4190	.4691	.4195	.3943	.4629	.3194	.4386	.3968	.4109	.2873	.3635	.3393	-.0450	.1841	.1785
95	CROTCH LENGTH	.5836	.6458	.6409	.6072	.6250	.4216	.6258	.5705	.5113	.4154	.4469	.4106	-.0760	.0652	.1121
96	WAIST BACK	.3648	.3344	.1973	.1817	.2982	.2562	.2538	.2273	.3172	.2424	.4613	.4286	-.2969	-.0128	.3139
97	FOOT LENGTH	.4713	.3743	.2195	.2274	.4297	.4180	.4037	.3580	.5372	.2557	.5635	.6583	.1481	.1576	.2552
98	BALL-OF-FOOT LNGTH	.4262	.3603	.2231	.2289	.3948	.3862	.3784	.3315	.4738	.2233	.5020	.5935	.1154	.1736	.2291
99	BALL-OF-FOOT BRDTH	.5618	.4586	.4129	.4196	.5315	.4248	.5334	.4875	.5950	.3076	.4480	.4817	.0129	.1121	.2058
100	BI-MALLEOLAR BRDTH	.5715	.4474	.4522	.3175	.4578	.4354	.4537	.4245	.5301	.2987	.4752	.4890	-.1229	.1515	.2245
101	BALL-OF-FOOT GIRTH	.6320	.5199	.4615	.4494	.5885	.4764	.5876	.5341	.6675	.3263	.4886	.5205	-.0512	.1511	.2293
102	INSTEP CIRCUMF"NCE	.6475	.5241	.4309	.4517	.6083	.4847	.5968	.5417	.6805	.3494	.5259	.5703	-.0004	-.0743	.2151
103	HEEL-ANKLE CIRCUMF	.6855	.5411	.4666	.4289	.6130	.5166	.5875	.5295	.6919	.3667	.6115	.6702	-.0606	-.1304	.2582
104	HAND LENGTH	.3071	.3098	.1550	.1656	.3676	.3819	.3361	.2983	.4998	.2108	.5147	.6195	.1367	.1464	.2842
105	PALM LENGTH	.2539	.2510	.2232	.1328	.3127	.3170	.2769	.2352	.4229	.1756	.4480	.5319	.1276	.1387	.2655
106	HAND BREADTH/META	.4567	.4941	.4232	.4396	.5581	.5030	.5714	.5528	.6532	.3186	.4158	.4477	.0147	.1344	.1813
107	HAND CIRC/META	.5102	.5407	.4801	.4775	.6145	.5434	.6376	.6022	.7424	.3576	.4699	.5099	.0282	.1344	.1961
108	HAND CIRC/THUMB	.5449	.6209	.5627	.5792	.6906	.5926	.7341	.7006	.7731	.4132	.5041	.5336	.0111	.1737	.2067
109	THICKNESS META/III	.3562	.3986	.3610	.3627	.4434	.3705	.4528	.4291	.4858	.2458	.2838	.2917	-.0257	-.0809	.1068
110	FINGER DIAM III	.4131	.4705	.3928	.3514	.5396	.4598	.5533	.5199	.6508	.3113	.3989	.4388	-.0086	-.1230	.1487
111	HEAD CIRCUMFERENCE	.3415	.3656	.3613	.3656	.3889	.2809	.4059	.3618	.3586	.2434	.2883	.2938	-.0587	.0230	-.1037
112	SAGITTAL ARC	.1488	.1041	.0792	.0795	.1258	.0941	.1202	.0960	.1483	.0917	.1515	.1696	-.0192	-.1008	-.0253
113	MINIMUM FRONTL ARC	.1550	.1893	.1746	.1772	.1914	.1618	.2036	.1892	.2157	.1135	.1119	.1587	-.0590	-.0149	-.2902
114	BIT-CORONAL ARC	.3223	.2642	.2559	.2473	.2776	.1878	.2730	.2377	.2730	.1895	.2425	.2374	-.0076	-.0190	.0895
115	BIT-MIN FRONTAL A	.4007	.4015	.3758	.3705	.4160	.3243	.4181	.3886	.4065	.2845	.3432	.3610	-.0455	-.0136	.1243
116	BIT-SUBNASALE ARC	.4168	.4844	.4804	.4609	.5151	.3878	.5297	.4904	.4702	.3297	.3577	.3910	-.1560	-.0237	.0933
117	BIT-MENTON ARC	.4305	.5351	.5047	.4980	.5527	.4187	.5659	.5225	.4963	.3857	.4147	.4273	-.1360	-.0409	.1334
118	BIT-SUBMANDIB ARC	.4401	.5560	.5125	.5015	.5468	.3904	.5644	.5121	.4722	.3745	.3862	.3839	-.1598	-.0902	.1115
119	BIT-POSTERIOR ARC	.3835	.5117	.5062	.4895	.4941	.3268	.5141	.4714	.3869	.3015	.2870	.2594	-.0481	-.0609	.0673
120	HEAD LENGTH	.2374	.2470	.2273	.2431	.2761	.2322	.2941	.2617	.2928	.1657	.2369	.2679	-.0058	-.0704	.1199
121	MAX HEAD DIAG/MENT	.3701	.3867	.3406	.3431	.4233	.3231	.4231	.3741	.4111	.2739	.3567	.3885	-.0414	.0952	.1637
122	MAX HEAD DIAG/NUCH	.4238	.5175	.4673	.4619	.4879	.3584	.5087	.4675	.4295	.3549	.3599	.3533	-.0416	.0434	.0983
123	EAR LENGTH	.2617	.2685	.2166	.1961	.2338	.1810	.2176	.1921	.2201	.1884	.2295	.2028	.0450	.0764	.0908
124	EAR LGTH ABOVE TRG	.1379	.1459	.0927	.0901	.1171	.0385	.1047	.0953	.1196	.1101	.1419	.1288	.0668	.0675	.0736
125	EAR BREADTH	.1497	.1439	.1226	.1216	.1360	.1015	.1377	.1200	.1386	.0874	.1172	.1278	.0240	.0831	.0504
126	EAR PROTRUSION	.1045	.0769	.0504	.0506	.0718	.0581	.0575	.0649	.0809	.0704	.0781	.0497	-.0307	.0559	.0606
127	HEAD BREADTH	.2741	.2959	.3061	.2877	.2841	.1722	.2967	.2694	.2385	.2076	.1840	.1453	-.0835	-.0796	.0162
128	AGE	.2556	.2453	.1959	.1830	.2141	.1556	.2093	.1939	.2236	.1793	.1921	.1475	-.0749	-.0427	.0658
129	BITRAGION DIAMETER	.3132	.3671	.3400	.3408	.3591	.2322	.3669	.3284	.3382	.2261	.2394	.2233	-.0302	-.0120	.0285
130	BIZYGOMATIC DIAM	.3849	.4740	.4673	.4408	.4620	.3302	.4757	.4460	.4100	.3255	.3180	.3015	-.0472	-.0517	.0407
131	MAX FRONTAL DIAM	.3139	.3619	.3487	.3223	.3748	.2718	.3823	.3456	.3382	.2318	.2662	.2754	-.0472	-.0142	.0797
132	BIGONIAL DIAMETER	.3787	.4063	.3882	.3666	.3964	.2989	.4170	.3841	.3612	.2526	.2711	.2523	-.0010	-.0016	.0246
133	BIOCULAR DIAMETER	.2300	.2674	.2855	.2856	.3159	.2218	.3379	.2975	.3076	.1371	.1903	.2493	-.0887	.0848	.0647
134	INTERPUPILLARY DST	.1460	.1991	.1827	.1781	.2200	.1758	.2445	.2179	.2250	.0900	.1530	.2108	-.0449	.0539	.0711
135	INTEROCULAR DIAM	.1210	.1496	.1456	.1452	.1650	.1401	.1941	.1746	.1768	.0515	.0832	.1328	-.0998	-.0015	.0124

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
136 NASAL ROOT BREADTH	.1192	.1140	.1295	.1351	.1601	.1155	.1825	.1540	.1773	.0429	.0561	.1060	-.0687	.0641	.0375
137 NASAL BREADTH	.0646	.1279	.1683	.1735	.2143	.1641	.2448	.2172	.2163	.0463	.0664	.1623	-.1612	-.0074	.0326
138 NOSE PROTRUSION	.1138	.0995	.0153	.0198	.0719	.0746	.0709	.0686	.1125	.0714	.1168	.0990	.1582	.1128	.0808
139 PHILTRUM LENGTH	.1096	.1136	.1280	.1318	.1506	.1201	.1584	.1392	.1351	.0473	.0564	.0905	-.0874	-.0345	.0071
140 LIP-LIP DISTANCE	-.0037	.0080	.0412	.0486	.0898	.0760	.1123	.0936	.1207	-.0245	.0412	.1462	-.1004	-.0576	.0520
141 LIP LENGTH	.1261	.1652	.1666	.1614	.1842	.1564	.2061	.1962	.1864	.0915	.0918	.1286	-.0421	.0085	.0546
142 LIP LENGTH SMILING	.1459	.1643	.1737	.1842	.1884	.1625	.1956	.1942	.1715	.1009	.0984	.1117	-.0314	-.0423	.0607
143 MENTON-SUBNASALE L	.1361	.1458	.1170	.1175	.1900	.1657	.1900	.1711	.2058	.1114	.1560	.2099	-.0898	-.0182	.0183
144 MENTON-NASAL RT DP	.1911	.2041	.1340	.1421	.2314	.2173	.2344	.2156	.2706	.1645	.2409	.2874	-.0230	.0120	.0890
145 SUBNAS-NAS RT DPTH	.1222	.1126	.0282	.0396	.1145	.1147	.1111	.1000	.1481	.0902	.1744	.1856	-.0950	.0829	.1029
146 VERTEX-GLABELLA HT	.0734	.0496	.0785	.0718	.0648	.0389	.0816	.0727	.0661	.0490	.0209	-.0087	-.0077	.1013	.0770
147 VERTEX-NASAL RT DP	.0823	.0504	.0790	.0726	.0817	.0595	.0938	.0830	.0889	.0482	.0378	.0352	-.0385	.0960	.0435
148 VERTEX-EXT CANT HT	.1190	.1006	.1322	.1236	.1256	.0797	.1385	.1207	.1232	.0629	.0415	.0260	-.0449	.0771	.0422
149 VERTEX-PRONASALE H	.0548	.0246	.0304	.0314	.0412	.0379	.0512	.0583	.0708	.0511	.0332	.0205	-.0015	.0969	.0484
150 VERTEX-STOMION HT	.1349	.1015	.0988	.1037	.1427	.1223	.1630	.1486	.1738	.0944	.1056	.1198	-.0319	.1179	.0877
151 VERTEX-MENTON HT	.1852	.1708	.1492	.1553	.2175	.1844	.2308	.2100	.2456	.1467	.1740	.2003	-.0579	.0803	.0830
152 VERTEX-TRAGION HT	.2155	.1524	.1657	.1490	.1670	.1006	.1676	.1421	.1766	.0969	.1321	.1113	-.0468	.0520	.0742
153 WALL-GLABELLA DIST	.2677	.2901	.2730	.2683	.3198	.2604	.3326	.3015	.3206	.1970	.2622	.2893	-.0255	.0331	.1157
154 WALL-NAS RT DEP DT	.2880	.3018	.2752	.2720	.3249	.2708	.3351	.3040	.3347	.2034	.2771	.2994	-.0072	.0429	.1193
155 WALL-EX CANT DIST	.2214	.2305	.2432	.2387	.2913	.2227	.3053	.2677	.2788	.1417	.2242	.2656	-.0428	.0579	.1007
156 WALL-PRONASALE DST	.3226	.3396	.2923	.2870	.3631	.2857	.3640	.3211	.3676	.2235	.3275	.3567	-.0287	.0394	.1305
157 WALL-STOMION DIST	.2764	.3190	.3087	.3045	.3723	.2797	.3759	.3281	.3561	.1916	.2901	.3544	-.0685	-.0012	.1200
158 WALL-MENTON DIST	.3465	.4144	.3756	.3633	.4145	.2917	.4037	.3556	.3638	.2542	.3524	.3678	-.0016	-.0083	.1371
159 WALL-TRAGION DIST	.1419	.1475	.1479	.1441	.1841	.1361	.1852	.1546	.1748	.0899	.1686	.1917	-.0245	.0328	.0859
169 WEIGHT REPORTED	.7230	.8250	.8305	.7947	.8119	.5807	.8191	.7567	.6500	.5465	.6128	.5886	-.1038	.0409	.1720
170 STATURE REPORTED	.4020	.3742	.1606	.1632	.3662	.3754	.3129	.2693	.4662	.2846	.6876	.7505	.3322	.2458	.3355

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
1	AGE	.0041	.0547	.1155	.0858	.0801	.0742	-.0125	-.0299	.0221	-.0096	.0082	.0172	-.0013	.0015	.0160
2	WEIGHT	.2125	.5585	.6594	.5731	.7800	.4325	.4732	.4503	.5584	.5085	.6209	.6395	.6713	.3530	.2950
3	SKF SUBSCAPULAR	.0105	.3767	.4164	.3604	.5483	.1430	.2500	.0656	.1182	.1540	.2697	.2867	.2842	.0402	-.0368
4	SKF TRICEPS	-.0692	.2927	.3385	.2823	.5163	.1590	.0532	.0274	.1796	.1470	.1909	.2208	.1993	-.0105	-.0130
5	SKF JUXTA NIPPLE	-.0122	.2644	.3022	.2458	.3754	.1538	.0437	.0734	.1507	.1283	.1510	.1636	.1495	.0118	-.0230
6	SKF MAL XIPHOID	-.0448	.3536	.4414	.3440	.5685	.1873	.0531	.0540	.1986	.1127	.2104	.2323	.2146	-.0295	-.0162
7	SKF SUPRA ILIAC	-.0536	.3683	.4394	.3352	.5900	.0904	.0402	.0862	.1831	.1526	.2116	.2081	.1970	-.0453	-.0421
8	SKF DORSAL HAND	.0396	.1805	.2260	.1912	.2936	.1577	.0921	.0304	.1522	.1526	.2070	.2101	.1985	.0624	.0421
9	GRIP STRENGTH	.2007	.2740	.3651	.2112	.2985	.1577	.4068	.3696	.3746	.3621	.4291	.4126	.4439	.3981	.3338
10	HEIGHT (STATURE)	.5199	.2012	.3119	.4468	.3806	.6130	.6838	.6076	.4359	.4995	.5005	.5364	.6549	.6241	.5416
11	CERVICALE HEIGHT	.5221	.2067	.3032	.4165	.3732	.6465	.6857	.6095	.4321	.4902	.4909	.5372	.6546	.6263	.5452
12	SHOULDER(ACROM) HT	.5503	.1859	.2997	.4104	.3796	.5829	.6665	.5986	.4128	.4521	.4556	.5234	.6412	.6055	.5271
13	ELBOW (RADIALE) HT	.4494	.1843	.2975	.4266	.3995	.5907	.6197	.5555	.3941	.3947	.4017	.4973	.6057	.5545	.4849
14	WRIST (STYLION) HT	.3655	.1666	.2813	.4209	.3879	.5869	.5080	.4550	.3414	.3947	.4017	.4234	.5113	.4309	.3806
15	DACTYLION HEIGHT	.3167	.1389	.2473	.4100	.3918	.5709	.3858	.3492	.2715	.3289	.3326	.3482	.4183	.2557	.2353
16	SUPRASTERNALE HT	.5227	.1954	.3013	.4583	.3795	.5526	.6974	.6266	.4387	.4942	.4998	.5514	.6730	.6404	.5571
17	CHEST (NIPPLE) HT	.5309	.1192	.2203	.3695	.2895	.4838	.6713	.5996	.3898	.4413	.4448	.4975	.6186	.6304	.5525
18	WAIST HEIGHT (OMP)	.5189	.1449	.2131	.2303	.2840	.3886	.6121	.5518	.3759	.4217	.4448	.4907	.6147	.6322	.5525
19	ILIOCRISTALE	.5448	.1532	.2428	.2303	.2837	.3799	.6865	.6224	.3908	.4237	.4445	.5078	.6337	.6286	.5496
20	TROCHANTERIC HT	.5190	.1259	.1958	.2128	.2168	.3416	.6726	.6129	.3723	.3936	.4235	.5004	.6162	.6286	.5416
21	BUTTOCK HEIGHT	.4658	.1277	.1794	.2242	.1826	.3142	.6598	.6101	.3614	.3768	.4080	.4855	.6061	.6252	.5467
22	CROTCH HEIGHT	.5111	.1049	.1595	.1744	.1596	.3203	.6706	.6140	.3569	.3620	.3845	.4748	.6006	.6299	.5494
23	GLUTEAL FURROW HT	.5041	.1047	.1618	.1805	.1418	.3112	.6581	.6015	.3389	.3620	.3845	.4676	.5901	.6308	.5496
24	PATELLA TOP HEIGHT	.4926	.1589	.2258	.2285	.2254	.3596	.6757	.6148	.3901	.4219	.4529	.5226	.6455	.6366	.5533
25	PATELLA BOTTOM HT	.4720	.1416	.2110	.2190	.2240	.3443	.6598	.6066	.3799	.3921	.4453	.5053	.6309	.6186	.5347
26	CALF HEIGHT	.3638	.1559	.1723	.1825	.1858	.3099	.5726	.5236	.3116	.3214	.3684	.4381	.5327	.5588	.4860
27	ANKLE HEIGHT	.2773	.0228	.1228	.0995	.1203	.1120	.2329	.2848	.2695	.2976	.2243	.2572	.3019	.2769	.2057
28	MED"L MALLEOLUS HT	.2406	.1330	.2212	.2434	.2580	.3954	.2329	.1351	.2695	.2976	.3422	.3564	.3575	.2537	.2293
29	LAT"L MALLEOLUS HT	.1904	.0896	.1724	.1547	.1898	.2884	.1757	.1135	.1867	.0891	.2574	.2481	.2748	.2264	.2114
30	SPHYRION HEIGHT	.2564	.0466	.1536	.1486	.1664	.2512	.2070	.1299	.1841	.1700	.2643	.2731	.2763	.2021	.1722
31	SITTING HEIGHT	.3204	.2193	.3422	.5671	.4482	.7321	.3898	.3172	.3163	.4142	.3700	.3450	.4043	.3277	.2753
32	EYE HEIGHT SITTING	.3027	.1957	.3327	.5460	.4175	.7123	.3786	.3046	.2926	.4005	.3426	.3233	.3832	.3237	.2730
33	MID SHOULDER HT/S	.3347	.2051	.3291	.5446	.4620	.7422	.3661	.2931	.3004	.3952	.3426	.3306	.3877	.3058	.2612
34	ELBOW REST HT SIT	-.0077	.0888	.1698	.3722	.3052	.4819	-.0318	-.0661	.0495	.1192	.0614	.0188	.0075	-.0752	-.0715
35	KNEE HEIGHT SIT	.4945	.2343	.3200	.3087	.3457	.4145	.7291	.6631	.4883	.5038	.5564	.6233	.7380	.6700	.5826
36	POPLITEAL HT/SIT	.5048	.1055	.1701	.1755	.1492	.3345	.6727	.6065	.3730	.4017	.4232	.4942	.6146	.6509	.5691
37	BUTTOCK KNEE LNGTH	.4277	.3134	.3820	.3361	.4648	.3542	.6537	.6203	.4071	.4532	.5192	.5852	.6817	.5598	.4869
38	BUTTOCK POP LENGTH	.4149	.2770	.3332	.2676	.3940	.2955	.5883	.5606	.3766	.4160	.4441	.5077	.6149	.5137	.4460
39	SHOULDER-ELBOW LTH	.6359	.1366	.2437	.2676	.2574	.4114	.6089	.5492	.3661	.4160	.4142	.4678	.5716	.5861	.5033
40	ELBOW WRIST LENGTH	.4929	.1854	.2329	.2402	.2309	.2871	.6616	.5917	.4088	.4319	.4373	.5189	.6192	.6711	.5771
41	FUNCTIONAL REACH	.4346	.2409	.3001	.2638	.2347	.3377	.6112	.5501	.3821	.3974	.4246	.4693	.5621	.5902	.5092
42	SLEEVE INSEAM	.5123	.0530	.0893	.1466	.0922	.3082	.6140	.5574	.2992	.3389	.3359	.3934	.5136	.6058	.5167
43	BIACROMIAL BREADTH	.1860	.4611	.4986	.2921	.3590	.3114	.3716	.5318	.3654	.3434	.4064	.4184	.4449	.3492	.3104
44	BIDELTOID BREADTH	.2234	.6527	.7050	.4307	.6216	.3064	.3381	.3082	.4456	.4042	.4927	.5111	.5157	.2854	.2449
45	CHEST BREADTH/SKIN	.1133	.6335	.6732	.3936	.6087	.2949	.2706	.2583	.3885	.3514	.4310	.4343	.4447	.1976	.1582

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
46 CHEST BREADTH/BONE	.1108	.5784	.6283	.3365	.5161	.2635	.2500	.2295	.3551	.3230	.3946	.4035	.4069	.1999	.1639
47 WAIST BRDTH (OMP)	.0919	.5045	.5847	.5093	.6526	.4244	.2651	.2590	.3819	.3324	.4196	.4181	.4433	.1536	.1225
48 BI-ILIOCRISTALE	.0808	.5044	.5835	.5026	.6632	.4271	.2514	.2472	.3752	.3264	.4117	.4094	.4335	.1461	.1178
49 HIP BREADTH	.1555	.4387	.5478	.5180	.7034	.4632	.3821	.3686	.4194	.4233	.4762	.4787	.5307	.2522	.2124
50 HIP BREADTH SIT	.1272	.4516	.5473	.5190	.7341	.4315	.3152	.3089	.4287	.3971	.4726	.4664	.4957	.1961	.1615
51 BITROCHANTERC/BONE	.2457	.3906	.4981	.5126	.6113	.5255	.4394	.4091	.4156	.4656	.4863	.4799	.5433	.3216	.2756
52 ELBOW BREADTH	.2073	.3165	.3607	.3200	.3678	.2739	.3804	.3570	.3846	.4386	.4409	.4401	.4709	.2532	.1767
53 MAX F"ARM-F"ARM BR	.0297	.5083	.5271	.3582	.5234	.2100	.1705	.1530	.3190	.3028	.3426	.3585	.3404	.1063	.0693
54 WRIST BREADTH	.2066	.2470	.3418	.3040	.3209	.2695	.4451	.4038	.4262	.5192	.5206	.4830	.5223	.4183	.3721
55 KNEE BREADTH	.2605	.3564	.4360	.4173	.5178	.3962	.4844	.4457	.4798	.6227	.5594	.5633	.6316	.3725	.3303
56 KNEE-KNEE BR SIT	.0514	.3916	.4481	.4133	.6154	.3006	.3116	.3067	.4056	.4193	.4558	.4777	.5004	.1536	.1755
57 CHEST DEPTH	.0677	.4957	.5474	.4166	.6035	.3045	.2464	.2389	.3627	.3127	.4015	.4295	.4309	.1536	.1163
58 WAIST DEPTH (OMP)	.0610	.4514	.5224	.4890	.6482	.2683	.2507	.2512	.3809	.3129	.4139	.4336	.4380	.1444	.1171
59 ABDOMINAL DPTH/SIT	.0763	.4451	.5062	.4918	.6480	.3004	.2589	.2584	.3648	.3104	.4018	.4313	.4309	.1522	.1265
60 BUTTOCK DEPTH	.0381	.4781	.5383	.4789	.7390	.2587	.2743	.2809	.4161	.3347	.4454	.4655	.4724	.1648	.1240
61 THIGH CLEAR HT SIT	.0776	.4523	.4932	.4397	.6396	.2601	.3052	.3070	.4023	.3564	.4514	.4741	.4815	.2084	.1622
62 NECK CIRC MAXIMUM	.0783	.5049	.5802	.3776	.5703	.2502	.2502	.2372	.3868	.3478	.4396	.4587	.4298	.1682	.1339
63 SHOULDER CIRC	.1913	.6655	.7301	.4385	.6599	.2997	.3476	.3258	.4664	.3792	.5200	.5274	.5374	.2878	.2400
64 CHEST CIRCUMF"ENCE	.1006	.6158	.6757	.4435	.6376	.2858	.2871	.2755	.4168	.3501	.4554	.4713	.4760	.2096	.1720
65 WAIST CIRC (OMPH)	.0782	.5029	.5854	.5231	.6768	.3779	.2586	.2554	.3818	.3278	.4173	.4330	.4472	.1486	.1224
66 BUTTOCK CIRC	.1292	.5054	.5055	.5383	.7552	.3815	.3563	.3506	.4663	.4224	.5172	.5204	.5483	.2326	.1969
67 BUTTOCK CIRC/SIT	.1192	.4865	.5820	.5281	.7749	.3815	.3146	.3150	.4380	.3851	.4846	.4862	.5103	.1950	.1640
68 VERTICAL TRUNK CIR	.2788	.4264	.5539	.6877	.7159	.6860	.4507	.4036	.4842	.4977	.5453	.5370	.5807	.3446	.2844
69 VERT TRUNK CIR SIT	.3009	.4045	.5297	.6668	.6972	.6972	.4365	.3835	.4509	.4746	.5135	.5052	.5549	.3434	.2847
70 UPPER THIGH CIRC	.0264	.4970	.5736	.4612	.7364	.2635	.2561	.2736	.4232	.3462	.4607	.4856	.4854	.1563	.1219
71 THIGH CIRC SITTING	.0461	.4838	.5685	.4674	.7479	.2711	.2816	.2906	.4330	.3507	.4708	.4872	.4935	.1676	.1347
72 LOWER THIGH CIRC	.0658	.4673	.5470	.4454	.6965	.2554	.3238	.3229	.4717	.4209	.5175	.5469	.5509	.2080	.1730
73 KNEE CIRCUMFERENCE	.1970	.4380	.5463	.4990	.7078	.3856	.5062	.4995	.5463	.5430	.6267	.6281	.6922	.3683	.3273
74 KNEE CIRC SITTING	.1923	.4585	.5405	.4824	.6956	.3607	.4846	.4661	.5374	.5345	.6042	.6284	.6672	.3550	.3036
75 CALF CIRCUMFERENCE	.0969	.4691	.5512	.4372	.6771	.2946	.3562	.3506	.5167	.4633	.5786	.5743	.5782	.2193	.1793
76 ANKLE CIRCUMF"ENCE	.1738	.3857	.4740	.4190	.5836	.3548	.4713	.4262	.5618	.5715	.6320	.6475	.6855	.3098	.2539
77 SCYE CIRCUMFERENCE	.2780	.4932	.6350	.6691	.6458	.3544	.3743	.3603	.4585	.4474	.5199	.5241	.5411	.3071	.2610
78 BICEPS CIRC EXT	-.0053	.5331	.6018	.4195	.6409	.1973	.2195	.2231	.4129	.3235	.4522	.4615	.4309	.1550	.1277
79 BICEPS CIRC FLEXED	.0003	.5277	.6057	.3943	.6072	.1817	.2274	.2289	.4195	.3175	.4494	.4517	.4289	.1656	.1328
80 ELBOW CIRC EXT	.1738	.5985	.5096	.4629	.6250	.2982	.4297	.3948	.5315	.4578	.5885	.6083	.6130	.3676	.3127
81 ELBOW CIRC FLEXED	.2153	.3787	.4493	.3194	.3787	.2538	.4180	.3862	.4248	.4354	.4764	.4847	.5166	.3819	.3170
82 FOREARM CIRC EXT	.1373	.5125	.6091	.4386	.6258	.2538	.4037	.3784	.5334	.4537	.5876	.5968	.5875	.3361	.2769
83 FOREARM CIR FLEXED	.1230	.4858	.5800	.3968	.5705	.2273	.3580	.3315	.4875	.4245	.5341	.5417	.5295	.2983	.2352
84 WRIST CIRCUMF"ENCE	.2821	.3954	.5068	.4109	.5113	.3172	.5372	.4738	.5950	.5901	.6675	.6805	.6919	.4998	.4229
85 SL SPINE/SCYE	.1808	.5652	.6834	.2873	.4154	.2424	.2557	.2233	.3076	.2987	.3263	.3494	.3667	.2108	.1756
86 SL SPINE-ELBOW	.5008	.3999	.5448	.3635	.4466	.4613	.5635	.5020	.4480	.4752	.4205	.5259	.5147	.5147	.4480
87 SL SPINE-WRIST	.5251	.3433	.4924	.3393	.4106	.4286	.6583	.5935	.4817	.4890	.5205	.5703	.6702	.6195	.5319
88 ANTERIOR NECK LGTH	.1778	-.0273	-.0579	-.0450	-.0760	-.2969	.1481	.1154	.0129	.1229	.0512	-.0004	.0606	.1367	.1276
89 POSTERIOR NECK LTH	.1145	-.0023	.0402	.1841	.0652	-.0128	.1576	.1736	.1121	.1155	.1511	.0743	.1304	.1464	.1387
90 SHOULDER LENGTH	.0430	.2230	.1869	.1785	.1121	.3139	.2552	.2291	.2058	.2245	.2293	.2151	.2582	.2842	.2655

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
91 DELTOID ARC															
92 INTERSCYE	.0570														
93 INTERSCYE MAXIMUM	.1528	.7109													
94 WAIST FRONT	.1502	.2453	.3444												
95 CROTCH LENGTH	.1456	.4102	.5188	.3988											
96 WAIST BACK	.2451	.2585	.3073	.5419	.2991										
97 FOOT LENGTH	.4181	.2036	.2875	.3069	.3271	.3428									
98 BALL-OF-FOOT LNGTH	.3604	.1919	.2695	.3152	.2882	.3789	.9019								
99 BALL-OF-FOOT BRDTH	.2301	.2713	.2730	.2730	.3152	.3301	.5296	.4484							
100 BI-MALLEOLAR BRDTH	.3164	.2699	.3630	.3391	.3507	.3507	.5899	.5469	.4983						
101 BALL-OF-FOOT GIRTH	.2786	.3115	.4063	.3752	.4722	.3319	.5469	.5491	.5857	.5857					
102 INSTEP CIRCUMF"NCE	.2932	.3362	.4143	.3754	.4622	.3789	.6010	.5640	.5857	.5995	.8179				
103 HEEL-ANKLE CIRCUMF	.3811	.3433	.4281	.4010	.4859	.2721	.6451	.6282	.5640	.6095	.7496	.8179			
104 HAND LENGTH	.4044	.1703	.2335	.2320	.2235	.2253	.7254	.7215	.4567	.4446	.4920	.4920	.6264		
105 PALM LENGTH	.3531	.1380	.1993	.1945	.1881	.2253	.6129	.5378	.3676	.4983	.4570	.5420	.6264	.8569	
106 HAND BREADTH/META	.2294	.2830	.3867	.2978	.3537	.2342	.4714	.4098	.5417	.4713	.6037	.5676	.5609	.5526	.4654
107 HAND CIRC/META	.2655	.3164	.4292	.3300	.3916	.2736	.5242	.4644	.5872	.5402	.6557	.6182	.6255	.5148	.3944
108 HAND CIRC/THUMB	.2747	.3718	.4759	.3604	.4448	.2747	.5547	.4995	.6037	.5437	.6857	.6618	.6638	.5247	.4230
109 THICKNESS META/III	.1376	.2449	.3103	.2350	.3051	.1730	.2590	.2353	.3353	.3153	.3893	.3893	.3828	.3556	.3300
110 FINGER DIAM III	.2322	.2629	.3537	.3018	.3412	.2331	.4402	.3851	.4978	.4459	.5784	.5135	.5335	.4471	.3543
111 HEAD CIRCUMFERENCE	.1019	.2576	.2890	.2609	.3471	.1907	.2805	.2447	.3412	.2618	.3629	.3669	.3712	.2269	.1899
112 SAGITTAL ARC	.0875	.0934	.1133	.1644	.1803	.1146	.1821	.1382	.1564	.1520	.1852	.2055	.2090	.1434	.1077
113 MINIMUM FRONTL ARC	.1206	.1111	.1746	.1127	.1887	.0351	.1598	.1582	.1697	.1233	.1976	.1806	.1813	.1109	.0735
114 BIT-CORONAL ARC	.0696	.2198	.2343	.2315	.3035	.2477	.2185	.1740	.2539	.2232	.2816	.2888	.2863	.1639	.1273
115 BIT-MIN FRONTAL A	.1392	.2930	.3297	.2878	.3526	.2693	.3223	.2776	.3659	.3067	.3969	.4072	.4171	.2927	.2376
116 BIT-SUBNASALE ARC	.1583	.3155	.3558	.3024	.3915	.1820	.3810	.3564	.3989	.3361	.4266	.4641	.4851	.3299	.2711
117 BIT-MENTON ARC	.1957	.3639	.4120	.3393	.4307	.2344	.3847	.3496	.4270	.3662	.4537	.4835	.4943	.3296	.2743
118 BIT-SUBMANDIB ARC	.1499	.3633	.4388	.3792	.4788	.2753	.3288	.3110	.3928	.3391	.4314	.4306	.4381	.2660	.2266
119 BIT-POSTERIOR ARC	.0678	.3200	.3894	.3169	.4731	.2659	.2150	.2027	.3025	.2382	.3357	.3296	.3342	.1332	.1173
120 HEAD LENGTH	.1323	.1752	.1986	.1932	.2408	.1445	.2646	.2324	.2911	.2329	.3080	.3123	.3338	.2428	.2048
121 MAX HEAD DIAG/MENT	.1898	.2845	.3114	.2802	.3549	.2306	.3877	.3382	.3960	.3396	.4342	.4616	.4679	.3741	.3252
122 MAX HEAD DIAG/NUCH	.1697	.3394	.4041	.3437	.4493	.2919	.3040	.2605	.3616	.3058	.3903	.4048	.4209	.2191	.1776
123 EAR LENGTH	.0809	.1594	.2188	.2567	.2433	.2950	.1844	.1516	.2037	.1979	.2180	.2108	.2114	.1691	.1451
124 EAR LGTH ABOVE TRG	.0778	.0743	.1198	.1431	.1294	.2067	.1231	.1023	.1198	.1285	.1264	.1056	.1255	.1177	.0811
125 EAR BREADTH	.0647	.1314	.0988	.0988	.1411	.1000	.1530	.1422	.1524	.1188	.1597	.1539	.1678	.1896	.1977
126 EAR PROTRUSION	.0011	.0585	.0961	.0961	.1001	.1385	.0246	.0147	.0798	.0711	.0958	.0805	.0650	.0819	.0758
127 HEAD BREADTH	.0019	.0159	.2518	.1752	.2818	.1472	.1189	.1002	.1984	.1565	.2135	.2114	.1904	.0564	.0356
128 AGE	.0504	.1309	.2063	.2241	.2708	.2999	.0878	.0650	.1842	.1640	.2029	.1633	.1554	.0586	.0327
129 BITRAGION DIAMETER	.0873	.2516	.3046	.2244	.3395	.2203	.2095	.2003	.2537	.2572	.2850	.2722	.2816	.1654	.1425
130 BIZYGOMATIC DIAM	.0990	.3190	.3846	.2793	.3981	.2181	.2306	.2003	.3088	.2572	.3387	.3406	.3479	.1888	.1430
131 MAX FRONTAL DIAM	.1031	.2344	.2741	.2315	.2986	.1831	.2590	.2493	.2747	.2228	.3075	.3069	.3164	.2151	.1773
132 BIGONIAL DIAMETER	.1221	.2501	.3047	.2608	.3629	.2209	.2274	.2123	.2990	.2833	.3329	.3210	.3279	.1598	.1216
133 BIOCULAR DIAMETER	.0713	.1567	.1711	.1367	.2352	.0262	.2966	.3058	.3013	.1914	.3224	.3170	.3490	.2615	.2218
134 INTERPUPILLARY DST	.0739	.1050	.1170	.0908	.1355	.0080	.2644	.2694	.2497	.1472	.2584	.2627	.2872	.2485	.2214
135 INTEROCULAR DIAM	.0527	.0750	.0832	.0483	.0791	-.0520	.1841	.1842	.1775	.1189	.1762	.1922	.2100	.1918	.1658

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
136	NASAL ROOT BREADTH	.0058	.0730	.0960	-.0339	.1014	-.0610	.1547	.1768	.1802	.0832	.1949	.1838	.2000	.1509	.1284
137	NASAL BREADTH	.0872	.0638	.0319	-.0268	.0335	-.2046	.2796	.2808	.2324	.1348	.2397	.2827	.3003	.2932	.2579
138	NOSE PROTRUSION	.0918	.0486	.1326	.1220	.1074	.2210	.1147	.0893	.1025	.0926	.1380	.0754	.0885	.0643	.0403
139	PHILTRUM LENGTH	-.0041	.0580	.0644	-.0737	.0574	.0234	.0969	.0915	.1488	.1044	.1571	.1494	.1340	.1055	.0786
140	LIP-LIP DISTANCE	.0752	.0020	-.0306	-.0504	-.0394	-.1814	.2636	.2671	.1800	.0819	.1664	.2087	.2529	.2691	.2264
141	LIP LENGTH	.0615	.0929	.0878	.0492	-.0928	-.0437	.1870	.1871	.2008	.1505	.2149	.2214	.2373	.1693	.1483
142	LIP LENGTH SMILING	.0381	.1151	.1383	.0916	.1302	-.0138	.1498	.1573	.1527	.1271	.1854	.1861	.1916	.1297	.1085
143	MENTON-SUBNASALE L	.1550	.1077	.1062	.0781	.0894	.0284	.2406	.2107	.2352	.1902	.2310	.2629	.2673	.2670	.2422
144	MENTON-NASAL RT DP	.2092	.1284	.1797	.1477	.1482	.1650	.3082	.2663	.2818	.2554	.3020	.3122	.3249	.2883	.2377
145	SUBNAS-NAS RT DPTH	.1638	.0298	.1168	.1328	.1088	.2035	.2146	.1817	.1372	.1650	.1817	.1745	.1909	.1708	.1435
146	VERTEX-GLABELLA HT	-.0184	.0731	.0422	.0539	-.1048	-.0129	-.0039	-.0115	.0686	.0636	.0869	.0787	.0511	.0093	.0165
147	VERTEX-NASAL RT DP	.0165	.0809	.0413	.0656	.1027	-.0073	.0467	.0321	.0937	.0845	.1130	.1295	.0993	.0575	.0533
148	VERTEX-EXT CANT HT	-.0068	.1081	.0831	.0851	.1485	.0317	.0424	.0247	.1074	.0983	.1339	.1328	.1036	.0252	.0166
149	VERTEX-PRONASALE H	.0160	.0480	.0385	.0641	.0749	.0374	.0399	.0130	.0765	.0863	.1056	.1048	.0721	.0376	.0283
150	VERTEX-STOMION HT	.0757	.1030	.0970	.1080	.1210	.0447	.1657	.1333	.1956	.1673	.2248	.2284	.2104	.1744	.1507
151	VERTEX-MENTON HT	.1357	.1485	.1472	.1431	.1660	.0833	.2365	.1965	.2609	.2328	.2888	.2996	.2818	.2337	.1941
152	VERTEX-TRAGION HT	.0257	.1322	.1409	.1537	.2160	.1922	.1064	.0664	.1551	.1590	.1914	.1935	.1691	.0599	.0367
153	WALL-GLABELLA DIST	.1359	.2032	.2252	.2134	.2691	.1518	.2763	.2399	.3124	.2631	.3271	.3426	.3604	.2444	.1971
154	WALL-NAS RT DEP DT	.1453	.2004	.2404	.2205	.2828	.2000	.2949	.2558	.3139	.2698	.3357	.3405	.3681	.2549	.2067
155	WALL-EX CANT DIST	.1106	.1534	.1743	.1739	.2287	.1167	.2731	.2511	.2777	.2895	.3097	.3097	.3419	.2378	.2009
156	WALL-PRONASALE DST	.1909	.2189	.2673	.2511	.3041	.2559	.3621	.3205	.3448	.3053	.3648	.3790	.4242	.2929	.2440
157	WALL-STOMION DIST	.1695	.2131	.2134	.1842	.2523	.1201	.3780	.3535	.3431	.2799	.3560	.4029	.4478	.3247	.2680
158	WALL-MENTON DIST	.1601	.2682	.2989	.2533	.3552	.2855	.3176	.2957	.3146	.2667	.3315	.3494	.3914	.2223	.1732
159	WALL-TRAGION DIST	.0975	.0963	.1048	.1185	.1623	.1136	.1981	.1803	.1744	.1550	.1813	.2066	.2421	.1403	.1095
169	WEIGHT REPORTED	.2166	.5484	.6465	.5697	.7613	.4350	.4729	.4498	.5524	.5039	.6081	.6329	.6635	.3521	.2949
170	STATURE REPORTED	.4968	.2251	.3281	.4297	.3893	.6064	.6599	.5964	.4425	.4895	.5003	.5305	.6435	.6050	.5216

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
1 AGE	.0566	.0647	.0661	.0680	.0646	.0643	.0352	-.0019	.0306	.0754	.0985	.1243	.1334	.1089	.0491
2 WEIGHT	.4846	.5386	.6220	.3824	.4612	.4464	.1758	-.2149	.3634	.4772	.5487	.5898	.6109	.5727	.3083
3 SKF SUBSCAPULAR	.1625	.1827	.2647	.1569	.1975	.2852	.0643	-.1059	.2143	.2600	.3508	.3761	.4373	.4557	.1541
4 SKF TRICEPS	.1247	.1322	.1694	.1504	.0978	.2296	.0815	.0701	.2024	.2380	.2736	.2934	.3416	.3293	.1136
5 SKF JUXTA NIPPLE	.1533	.1368	.1621	.1502	.0988	.1764	.0407	.0220	.1441	.1878	.2108	.2549	.2998	.2789	.0979
6 SKF MAL XIPHOID	.1289	.1335	.1893	.1419	.1210	.2118	.0075	.0828	.1912	.2222	.2810	.3071	.3900	.4077	.0689
7 SKF SUPRA ILIAC	.1431	.1450	.2055	.1744	.1427	.2486	.0633	.1057	.2152	.2509	.2968	.3071	.3896	.4161	.1131
8 SKF DORSAL HAND	.1850	.1959	.2865	.1632	.2208	.1829	.0747	.1101	.1778	.2058	.1968	.1956	.2381	.2166	.1125
9 GRIP STRENGTH	.4567	.4932	.5865	.3359	.4455	.2388	.0765	.0949	.1302	.2467	.3443	.3573	.3159	.2599	.2103
10 HEIGHT (STATURE)	.3897	.4418	.4407	.2460	.3629	.2583	.2484	.0992	.2891	.3211	.2687	.3064	.2962	.2028	.2620
11 CERVICALE HEIGHT	.3738	.4257	.4201	.2300	.3453	.2304	.1920	.0711	.2437	.3056	.2702	.3006	.2820	.1882	.2371
12 SHOULDER(ACROM) HT	.3664	.4172	.4123	.2307	.3444	.2267	.1937	.1014	.2342	.2972	.2720	.3015	.2869	.2059	.2281
13 ELBOW (RADIALE) HT	.3478	.3913	.3887	.2259	.3247	.2218	.1943	.0891	.2396	.2907	.2589	.2384	.2781	.2110	.2223
14 WRIST (STYLION) HT	.2945	.3344	.3278	.2008	.2793	.1977	.1574	.0435	.2296	.2595	.2075	.2384	.2559	.2203	.1927
15 DACTYLION HEIGHT	.1978	.2387	.2346	.1477	.1902	.1682	.1765	.0669	.2239	.2107	.1483	.1810	.2144	.2118	.1513
16 SUPRASTERNALE HT	.3911	.4453	.4430	.2409	.3653	.2398	.2036	.0971	.2340	.3032	.2890	.3118	.2881	.1874	.2500
17 CHEST (NIPPLE) HT	.3456	.3919	.3801	.2066	.3255	.1973	.1873	.0836	.1868	.2525	.2360	.2543	.2128	.1277	.2291
18 WAIST HEIGHT (OMP)	.3291	.3796	.3734	.1846	.3034	.1823	.1722	.0732	.1801	.2331	.2229	.2351	.1908	.1021	.2163
19 ILIOCRISTALE	.3418	.3959	.3805	.1987	.3120	.1993	.1873	.1540	.1813	.2550	.2571	.2635	.2249	.1187	.2197
20 TROCHANTERIC HT	.3230	.3706	.3590	.1751	.2922	.1921	.1889	.1623	.1642	.2383	.2456	.2509	.2032	.0981	.2121
21 BUTTOCK HEIGHT	.3101	.3556	.3471	.1580	.2767	.1703	.1175	.0158	.1431	.2189	.2358	.2355	.1823	.1034	.1971
22 CROTCH HEIGHT	.2968	.3458	.3399	.1517	.2713	.1597	.1397	.0614	.1373	.2084	.2206	.2110	.1569	.0626	.1959
23 GLUTEAL FURROW HT	.2874	.3359	.3279	.1448	.2608	.1530	.1368	.0664	.1280	.1992	.2123	.2110	.1560	.0713	.1892
24 PATELLA TOP HEIGHT	.3446	.3938	.3889	.2013	.3106	.1954	.1517	.0836	.1650	.2444	.2560	.2595	.2214	.1299	.2142
25 PATELLA BOTTOM HT	.3263	.3714	.3772	.1868	.2973	.1919	.1398	.0987	.1628	.2348	.2535	.2450	.2122	.1339	.2056
26 CALF HEIGHT	.2738	.3071	.3220	.1509	.2466	.1869	.0957	-.0648	.1443	.2051	.2252	.2348	.1841	.1390	.2067
27 ANKLE HEIGHT	.1579	.2102	.2074	.1094	.1896	.0760	.2073	-.4293	.0502	.1049	.1345	.1422	.1121	.0599	.0806
28 MED"L MALLEOLUS HT	.2543	.2692	.2806	.1775	.2854	.1297	.1370	-.0549	.1655	.1849	.1305	.1753	.1942	.1825	.1360
29 LAT"L MALLEOLUS HT	.1756	.1751	.1806	.1610	.2019	.0933	.0607	-.0159	.1241	.1256	.0781	.0984	.1257	.1405	.0882
30 SPHYRION HEIGHT	.2013	.2254	.2233	.1733	.2425	.0972	.1650	-.2343	.1257	.1357	.0868	.1094	.1160	.1160	.1114
31 SITTING HEIGHT	.3084	.3529	.3558	.2346	.3045	.2467	.2810	-.0955	.3316	.3074	.1926	.2595	.3068	.2493	.2274
32 EYE HEIGHT SITTING	.2898	.3370	.3341	.2287	.2948	.1863	.2114	-.0714	.2508	.2712	.1744	.2346	.3042	.2194	.1838
33 MID SHOULDER HT/S	.2960	.3423	.3335	.2338	.2917	.1984	.1850	-.0744	.2510	.2782	.1999	.2688	.3042	.2608	.1737
34 ELBOW REST HT SIT	.0685	.0836	.0786	.1022	.0776	-.0738	-.1039	.0166	.1501	.1190	.0377	.0864	.1598	.1751	.0414
35 KNEE HEIGHT SIT	.4171	.4681	.4836	.2589	.3840	.2564	.1815	.1186	.2310	.3231	.3386	.3508	.3085	.2064	.2527
36 POPLITEAL HT/SIT	.3244	.3672	.3658	.1775	.2984	.1640	.1433	.0562	.1448	.2211	.2279	.2276	.1683	.0693	.2056
37 BUTTOCK KNEE LNGTH	.3813	.4395	.4688	.2366	.3524	.2861	.1440	.1276	.2208	.2772	.3817	.3978	.3668	.2853	.2491
38 BUTTOCK POP LENGTH	.3182	.3737	.3973	.2225	.2883	.2483	.1232	.1087	.1871	.2159	.3420	.3467	.3143	.2082	.2260
39 SHOULDER-ELBOW LTH	.3466	.3968	.3843	.2077	.3362	.1883	.1481	.1050	.1624	.2426	.2362	.2729	.2397	.1489	.1960
40 ELBOW WRIST LENGTH	.3971	.4499	.4424	.2362	.3676	.2097	.1515	.1041	.1570	.2765	.3254	.3449	.2706	.0968	.2369
41 FUNCTIONAL REACH	.3267	.4054	.4137	.1855	.3424	.1956	.1109	.0724	.1656	.2656	.2779	.3028	.2535	.1386	.1865
42 SLEEVE INSEAM	.2598	.3068	.2888	.1221	.2573	.1115	.1040	.0602	.0825	.1553	.1681	.1752	.1221	.1221	.1572
43 BIACROMIAL BREADTH	.3663	.4059	.4386	.2458	.3414	.2595	.1055	.1069	.2039	.2850	.3340	.3898	.3555	.3050	.1958
44 BIDELTOID BREADTH	.4307	.4719	.5605	.3466	.4054	.3724	.1266	.1665	.2936	.4009	.4859	.5538	.5377	.4974	.2490
45 CHEST BREADTH/SKIN	.3726	.3977	.4695	.3038	.3355	.3446	.1076	.1395	.3061	.3843	.4245	.4680	.5058	.4690	.2032

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
46	CHEST BREADTH/BONE	.3585	.3816	.4240	.2760	.3112	.3114	.1198	.1568	.2720	.3468	.3856	.4184	.4463	.4194	.1972
47	WAIST BRDTH (OMP)	.3084	.3371	.3861	.2701	.2887	.3345	.0970	.1546	.3050	.3836	.4011	.4330	.5072	.5073	.1775
48	BI-ILIOCRISTALE	.3049	.3311	.3837	.2740	.2867	.3366	.0962	.1183	.3114	.3792	.3899	.4282	.5055	.5172	.1805
49	HIP BREADTH	.3484	.3871	.4434	.2915	.3364	.3204	.1222	.1457	.3114	.3867	.4163	.4565	.4968	.4543	.1880
50	HIP BREADTH SIT	.3301	.3669	.4215	.2861	.3119	.3449	.1403	.1493	.3230	.3876	.4115	.4584	.5132	.4812	.2018
51	BITROCHANTERC/BONE	.3705	.4107	.4375	.3020	.3643	.2939	.1465	.1275	.3109	.3674	.3637	.4041	.4487	.3996	.1832
52	ELBOW BREADTH	.2527	.4781	.5164	.0749	.4296	.2523	.1079	.1397	.2031	.2888	.3324	.3767	.3474	.2790	.1846
53	MAX F"ARM-F"ARM BR	.3080	.3335	.4097	.2860	.2757	.2945	.1117	.1160	.2406	.3233	.3616	.4130	.4315	.3991	.1785
54	WRIST BREADTH	.5331	.5841	.6045	.4092	.5423	.2222	.0903	.1582	.1846	.2772	.3144	.3323	.3150	.2604	.1931
55	KNEE BREADTH	.4443	.5014	.5255	.3421	.4274	.3042	.1848	.1557	.2863	.3688	.3911	.4347	.4225	.3538	.2326
56	KNEE-KNEE BR SIT	.3256	.3556	.4169	.2694	.3107	.3234	.1226	.1480	.2606	.3436	.4025	.4271	.4614	.4163	.2004
57	CHEST DEPTH	.3315	.3671	.4381	.2866	.3054	.3055	.0837	.1418	.2284	.3132	.4110	.4626	.5009	.4979	.1939
58	WAIST DEPTH (OMP)	.3088	.3380	.4101	.2720	.2912	.3425	.0938	.1718	.2681	.3494	.4255	.4608	.5103	.5027	.2023
59	ABDOMINAL DPTH/SIT	.2865	.3142	.3838	.2592	.2761	.3203	.0990	.1656	.2762	.3381	.3854	.4215	.4827	.4802	.1892
60	BUTTOCK DEPTH	.3341	.3605	.4325	.2775	.2948	.3728	.1115	.1568	.2701	.3689	.4584	.4901	.5252	.5126	.2334
61	THIGH CLEAR HT SIT	.3307	.3690	.4498	.2665	.2843	.3232	.0989	.1588	.2497	.3285	.4084	.4374	.4553	.4436	.2029
62	NECK CIRC MAXIMUM	.4053	.4481	.5316	.3313	.3846	.4351	.1478	.2217	.3491	.4432	.5233	.5755	.6037	.6068	.2730
63	SHOULDER CIRC	.4517	.5016	.5966	.3631	.4382	.3920	.1162	.2031	.2961	.4106	.5056	.5551	.5535	.5421	.2598
64	CHEST CIRCUMF"ENCE	.4000	.4338	.5074	.3328	.3683	.3455	.1001	.2031	.2743	.3732	.4554	.5102	.5351	.5155	.2139
65	WAIST CIRC (OMPH)	.3102	.3377	.4003	.2778	.2848	.3461	.1030	.1642	.2981	.3810	.4250	.4592	.5257	.5185	.1890
66	BUTTOCK CIRC	.3771	.4170	.4888	.3204	.3603	.3748	.1259	.1703	.3243	.4113	.4689	.5098	.5576	.5332	.2321
67	BUTTOCK CIRC/SIT	.3599	.3926	.4572	.3063	.3364	.3574	.1021	.1503	.3305	.3935	.4499	.4734	.5189	.4887	.2205
68	VERTICAL TRUNK CIR	.4229	.4717	.5240	.3422	.4074	.3547	.1932	.1668	.3418	.4142	.4132	.4861	.5286	.4881	.2573
69	VERT TRUNK CIR SIT	.4031	.4554	.4973	.3177	.3974	.3308	.1910	.1527	.3232	.3878	.3711	.4477	.4950	.4517	.2388
70	UPPER THIGH CIRC	.3406	.3735	.4662	.2823	.3055	.3615	.0946	.1710	.2763	.3777	.4670	.5002	.5244	.5183	.2181
71	THIGH CIRC SITTING	.3411	.3767	.4670	.2844	.3153	.3638	.0944	.1896	.2549	.3776	.4594	.5064	.5417	.5373	.2165
72	LOWER THIGH CIRC	.3857	.4329	.5178	.3211	.3576	.3491	.1153	.2262	.2784	.3822	.4644	.4918	.4972	.4737	.2188
73	KNEE CIRCUMFERENCE	.4529	.5074	.5800	.3592	.4540	.3903	.1495	.2017	.3322	.4328	.4858	.5109	.5277	.4920	.2619
74	KNEE CIRC SITTING	.4361	.4909	.5505	.3354	.4098	.3903	.1648	.2083	.2950	.4232	.4848	.5253	.5379	.4743	.2709
75	CALF CIRCUMFERENCE	.4087	.4480	.5420	.3321	.3718	.3599	.1201	.1784	.3108	.3924	.4652	.4887	.5098	.4741	.2342
76	ANKLE CIRCUMF"ENCE	.4567	.5102	.5449	.3562	.4131	.3415	.1488	.1550	.3223	.4007	.4168	.4305	.4401	.3835	.2374
77	SCYE CIRCUMFERENCE	.4941	.5407	.6209	.3986	.4705	.3656	.1041	.1893	.2642	.4015	.4844	.5351	.5560	.5117	.2470
78	BICEPS CIRC EXT	.4232	.4666	.5627	.3610	.3928	.3513	.0792	.1746	.2559	.3758	.4804	.5047	.5125	.5062	.2273
79	BICEPS CIRC FLEXED	.4396	.4775	.5792	.3627	.4071	.3514	.0795	.1772	.2473	.3605	.4709	.4980	.5015	.4895	.2256
80	ELBOW CIRC EXT	.5581	.6145	.6906	.4434	.5396	.3889	.1258	.1914	.2776	.4160	.5151	.5527	.5468	.4941	.2761
81	ELBOW CIRC FLEXED	.5030	.5434	.5926	.3705	.4598	.2809	.0941	.1618	.1878	.3243	.3878	.4187	.3904	.3268	.2322
82	FOREARM CIRC EXT	.5714	.6376	.7341	.4528	.5533	.4059	.1202	.2036	.2730	.4181	.5297	.5659	.5644	.5141	.2941
83	FOREARM CIR FLEXED	.5528	.6022	.7006	.4291	.5199	.3618	.0960	.1892	.2377	.3886	.4904	.5225	.5121	.4714	.2617
84	WRIST CIRCUMF"ENCE	.6532	.7424	.7731	.4858	.6508	.3586	.1483	.2157	.1895	.4065	.4702	.4963	.4722	.3869	.2928
85	SL SPINE/SCYE	.3186	.3576	.4132	.2458	.3113	.2434	.0917	.1135	.1895	.2845	.3297	.3857	.3745	.3015	.1657
86	SL SPINE-ELBOW	.4158	.4699	.5041	.2838	.3989	.2883	.1515	.1119	.2425	.3432	.3577	.4147	.3862	.2870	.2369
87	SL SPINE-WRIST	.4477	.5099	.5336	.2917	.4388	.2938	.1696	.1587	.2374	.3609	.3910	.4273	.3839	.2594	.2679
88	ANTERIOR NECK LGTH	.0147	.0282	.0111	-.0257	.0086	-.0587	.0192	-.0590	-.0076	-.0455	-.1560	-.1360	-.1598	-.0481	-.0058
89	POSTERIOR NECK LTH	.1344	.1344	.1737	.0809	.1381	.0230	-.1008	-.0149	.0190	.0136	.0237	.0409	.0902	.0609	.0704
90	SHOULDER LENGTH	.1813	.1961	.2067	.1068	.1487	.1037	-.0253	-.2902	.0895	.1243	.0933	.1334	.1115	.0673	.1199

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
91	DELTOID ARC	.2294	.2655	.2747	.1376	.2322	.1019	.0875	.1206	.0696	.1392	.1583	.1957	.1499	.0678	.1323
92	INTERSCYE	.2830	.3164	.3718	.2449	.2629	.2576	.0934	.1111	.2198	.2930	.3155	.3639	.3633	.3200	.1752
93	INTERSCYE MAXIMUM	.3867	.4292	.4759	.3103	.3537	.2890	.1133	.1441	.2343	.3297	.3558	.4120	.4388	.3894	.1986
94	WAIST FRONT	.2978	.3300	.3604	.2350	.3018	.2609	.1544	.1127	.2315	.2878	.3024	.3393	.3792	.3169	.1932
95	CROTCH LENGTH	.3537	.3916	.4448	.3051	.3412	.3471	.1803	.1887	.3035	.3526	.3915	.4307	.4788	.4731	.2408
96	WAIST BACK	.2342	.2736	.2747	.1730	.2331	.1907	.1146	.0351	.2477	.2693	.1820	.2344	.2753	.2659	.1445
97	FOOT LENGTH	.4714	.5242	.5547	.2690	.4402	.2805	.1821	.1598	.1740	.3223	.3810	.3847	.3288	.2150	.2646
98	BALL-OF-FOOT LNGTH	.4098	.4644	.4995	.2353	.3851	.2447	.1382	.1582	.1382	.2776	.3564	.3496	.3110	.2027	.2324
99	BALL-OF-FOOT BRDTH	.5417	.5872	.6037	.3353	.4978	.3412	.1564	.1697	.2539	.3659	.3989	.4270	.3928	.3025	.2911
100	BI-MALLEOLAR BRDTH	.4713	.5402	.5437	.3153	.4459	.2618	.1520	.1233	.2232	.3067	.3361	.3662	.3391	.2382	.2329
101	BALL-OF-FOOT GIRTH	.6037	.6557	.6857	.3893	.5784	.3629	.1852	.1976	.2816	.3969	.4266	.4537	.4314	.3357	.3080
102	INSTEP CIRCUMF'NCE	.5676	.6182	.6618	.3893	.5135	.3669	.2055	.2005	.2883	.4072	.4641	.4835	.4306	.3296	.3123
103	HEEL-ANKLE CIRCUMF	.5526	.6255	.6635	.3828	.5335	.3712	.2090	.1813	.2863	.4171	.4851	.4943	.4381	.3342	.3338
104	HAND LENGTH	.4654	.5148	.5247	.3556	.4471	.2269	.1434	.1109	.1539	.2927	.3299	.3296	.2660	.1332	.2428
105	PALM LENGTH	.3944	.3944	.4230	.3300	.3543	.1899	.1077	.0735	.1273	.2376	.2711	.2743	.2266	.1173	.2048
106	HAND BREADTH/META		.8008	.7450	.5998	.5783	.2974	.1745	.2106	.3362	.3853	.3599	.3997	.3972	.2721	.2590
107	HAND CIRC/META	.8008		.8374	.4920	.6699	.3237	.1523	.1884	.2315	.3577	.4223	.4399	.3972	.2915	.2795
108	HAND CIRC/THUMB	.7450	.8374		.5000	.6831	.3679	.1626	.2086	.2505	.3911	.4671	.4872	.4474	.3654	.3096
109	THICKNESS META/III	.5998	.4920	.5000		.4590	.1992	.0911	.1706	.1819	.3065	.3427	.3726	.2857	.2163	.1747
110	FINGER DIAM III	.5783	.6699	.6831	.4590		.2910	.1348	.1706	.1860	.3040	.3411	.2857	.2453	.1860	.2453
111	HEAD CIRCUMFERENCE	.2974	.3237	.3679	.1992	.2910		.6578	.2993	.5589	.4981	.6743	.4981	.4718	.8089	.8689
112	SAGITTAL ARC	.1745	.1523	.1626	.0911	.1348	.6578		.2856	.4972	.3498	.1843	.1843	.1976	.2073	.6313
113	MINIMUM FRONTL ARC	.2106	.1884	.2086	.1706	.1706	.2993	.2856		.1618	.3788	.2948	.2948	.2338	.2068	.2068
114	BIT-CORONAL ARC	.3362	.2315	.2505	.1819	.1860	.5589	.4972	.1618		.5871	.2798	.2798	.1635	.1769	.2948
115	BIT-MIN FRONTAL A	.3853	.3577	.3911	.3065	.3040	.4981	.3498	.3788	.5871		.6901	.5256	.4179	.2534	.5137
116	BIT-SUBNASALE ARC	.3599	.4223	.4671	.3427	.3411	.6743	.1843	.2948	.2798	.6901		.7982	.6525	.4883	.4144
117	BIT-MENTON ARC	.3997	.4399	.4872	.3726	.2857	.4981	.1843	.2948	.2798	.5256	.7982		.8217	.5322	.5137
118	BIT-SUBMANDIB ARC	.3972	.3972	.4474	.2857	.2453	.4718	.1976	.2338	.1635	.4179	.6525	.8217		.5322	.4144
119	BIT-POSTERIOR ARC	.2721	.2915	.3654	.2163	.1860	.8089	.2073	.2068	.1769	.2534	.4883	.5322	.5322		.3374
120	HEAD LENGTH	.2590	.2755	.3096	.1747	.2453	.8689	.6313	.2068	.2948	.5137	.4144	.5137	.4144	.3374	
121	MAX HEAD DIAG/MENT	.4267	.3753	.4199	.3587	.3198	.6509	.5629	.2073	.5315	.4943	.5065	.6393	.4987	.4004	.5909
122	MAX HEAD DIAG/NUCH	.3260	.3531	.4078	.2266	.3040	.6229	.3770	.2005	.4247	.5631	.5586	.5147	.4592	.5372	.5614
123	EAR LENGTH	.2261	.2048	.1857	.1992	.1860	.1767	.1536	.0795	.2004	.2292	.2168	.2434	.2632	.2453	.1300
124	EAR LGTH ABOVE TRG	.1181	.1104	.1117	.0729	.1249	.0749	.0286	.0190	.0311	.1151	.1491	.1691	.1793	.1810	.0792
125	EAR BREADTH	.2243	.1258	.1409	.2265	.0993	.1342	.0645	.0754	.0452	.1136	.1628	.1814	.1898	.2111	.1249
126	EAR PROTRUSION	.1911	.0805	.0650	.2363	.0778	.0162	-.0020	-.0262	-.1088	.0698	-.0091	-.0077	.0241	.0306	-.0251
127	HEAD BREADTH	.1789	.2015	.2200	.1308	.1720	.5416	.2401	.2333	.1116	.4638	.2935	.3103	.3144	.3890	.1032
128	AGE	.1988	.1988	.1902	.1640	.1972	.2555	.1110	.2710	.2048	.2499	.1264	.1851	.2642	.3913	.0417
129	BITRAGION DIAMETER	.2492	.2789	.3082	.2095	.2630	.3573	.1247	.3180	.3551	.3651	.4059	.4638	.4865	.5364	.0946
130	BIZYGOMATIC DIAM	.3180	.3486	.3709	.2630	.3054	.4331	.1536	.4147	.2979	.5704	.5586	.5549	.5280	.4934	.1346
131	MAX FRONTAL DIAM	.2689	.3091	.3283	.1996	.2688	.4317	.1520	.2004	.2504	.5375	.4760	.4359	.4195	.3729	.1786
132	BIGONIAL DIAMETER	.2893	.3211	.3310	.2356	.2809	.3139	.1520	.3391	.2238	.3437	.4004	.4498	.4722	.4323	.1586
133	BIOCULAR DIAMETER	.2565	.2744	.3251	.1334	.2689	.3782	.1179	.3391	.4906	.4367	.5464	.4367	.3681	.3130	.2474
134	INTERPUPILLARY DST	.1962	.2237	.2609	.1045	.2157	.3389	.1388	.3687	.0785	.4137	.4004	.3514	.3159	.2627	.2380
135	INTEROCULAR DIAM	.1736	.1754	.2024	.0938	.1533	.2902	.1220	.3100	.1529	.3787	.3633	.2527	.1821	.0970	.2284

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
136	NASAL ROOT BREADTH	.1598	.1613	.1983	.0966	.1830	.2535	.1458	.2472	.0908	.2419	.2405	.1590	.1205	.1246	.2260
137	NASAL BREADTH	.1924	.2076	.2822	.1005	.1899	.2145	.0741	.1511	.0266	.1701	.3595	.2789	.1599	.1042	.2126
138	NOSE PROTRUSION	.1188	.1213	.1092	.1072	.1391	.1002	.0785	.1208	.0274	.1077	.0121	.0774	.1454	.2583	.0615
139	PHILTRUM LENGTH	.1411	.1316	.1401	.0630	.1242	.1116	.0259	.0422	.2123	.1825	.1981	.0894	.0388	-.0238	.1126
140	LIP-LIP DISTANCE	.1233	.1356	.1890	.0299	.1193	.1330	.0391	.0673	-.0473	.0812	.2128	.1534	.0962	.0720	.1648
141	LIP LENGTH	.1597	.1949	.2286	.1130	.1623	.2035	.0982	.1961	-.0462	.1914	.3410	.3815	.3127	.2497	.1520
142	LIP LENGTH SMILING	.1598	.1757	.2111	.1096	.1608	.1796	.0921	.1872	.0175	.1703	.3017	.3176	.2622	.2535	.1137
143	MENTON-SUBNASALE L	.2418	.1935	.2165	.1824	.1526	.2464	.1717	.1333	.1743	.2626	.2199	.2490	.1701	.0995	.2696
144	MENTON-NASAL RT DP	.2292	.2614	.2869	.1431	.2333	.3104	.1871	.1626	.2462	.3559	.2634	.3247	.2564	.1737	.2935
145	SUBNAS-NAS RT DPTH	.1190	.1606	.1780	.0940	.1659	.1338	.0336	.0660	.1190	.2080	.1843	.1326	.1486	.1301	.1118
146	VERTEX-GLABELLA HT	.0938	.0612	.0644	.0943	.0219	.2593	.4036	-.0181	.3853	.1090	.0720	.1340	.1105	.1173	.2256
147	VERTEX-NASAL RT DP	.1121	.0908	.0930	.0905	.0479	.3220	.4280	.0546	.4026	.1745	.1360	.1886	.1486	.1111	.2968
148	VERTEX-EXT CANT HT	.1065	.1177	.1213	.0863	.0711	.3579	.4327	.0931	.5073	.2361	.1459	.1958	.1664	.1637	.2797
149	VERTEX-PRONASALE H	.0852	.0830	.0828	.0698	.0629	.3124	.3819	.0647	.3976	.2120	.1181	.1606	.1415	.1039	.2892
150	VERTEX-STOMION HT	.2117	.1811	.2021	.1465	.1438	.4043	.4309	.1053	.4529	.3079	.2519	.2634	.2272	.1645	.3777
151	VERTEX-MENTON HT	.2517	.2435	.2700	.1804	.2005	.4574	.4641	.1561	.4705	.3610	.2965	.3871	.2940	.2072	.4295
152	VERTEX-TRAGION HT	.1080	.1358	.1503	.0833	.0994	.4263	.4973	.1119	.7455	.4098	.1101	.0933	.0787	.1684	.2965
153	WALL-GLABELLA DIST	.2628	.2971	.3305	.1657	.2594	.8028	.6133	.2101	.3160	.5384	.4548	.3894	.2915	.3511	.9608
154	WALL-NAS RT DEP DT	.2774	.3044	.3358	.1872	.2625	.7820	.5924	.1957	.3081	.5168	.4491	.3744	.2870	.3669	.9366
155	WALL-EX CANT DIST	.2253	.2602	.3012	.1494	.2304	.7137	.5258	.1199	.2511	.4035	.3926	.3236	.2474	.3488	.8397
156	WALL-PRONASALE DST	.2756	.3294	.3629	.1786	.2906	.6844	.4974	.1835	.2799	.4729	.5108	.4083	.3265	.3982	.7985
157	WALL-STOMION DIST	.2529	.3185	.3730	.1434	.2708	.6031	.4167	.1621	.2103	.3998	.5417	.4517	.3290	.3348	.6965
158	WALL-MENTON DIST	.2063	.3061	.3364	.1234	.2711	.4881	.3088	.1288	.2200	.3428	.4380	.4943	.3971	.3836	.4856
159	WALL-TRAGION DIST	.0863	.1556	.1814	.0308	.1401	.5152	.4601	.0332	.1525	.0984	.0790	.0942	.0802	.3168	.6534
169	WEIGHT REPORTED	.4764	.5284	.6109	.3720	.4499	.4374	.1719	.2120	.3540	.4667	.5362	.5771	.5991	.5568	.3046
170	STATURE REPORTED	.3894	.4393	.4494	.2554	.3663	.2727	.2367	.1108	.2791	.3302	.2845	.3166	.3045	.2255	.2741

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
1	AGE	.0564	.1139	.0664	.0387	.0000	.0076	.0494	.0364	.0650	.1149	.0483	.0918	.0149	.0465	.0042
2	WEIGHT	.4631	.5801	.3090	.1545	.1741	.0779	.3467	.2747	.4129	.5208	.4094	.4531	.3209	.2230	.1504
3	SKF SUBSCAPULAR	.2489	.3910	.1892	.0740	.0954	.0282	.2527	.1489	.2825	.3642	.2593	.2972	.2309	.1405	.0963
4	SKF TRICEPS	.1793	.3129	.2129	.0865	.0834	.0570	.2267	.1427	.2200	.3106	.2052	.2675	.0896	.0348	.0331
5	SKF JUXTA NIPPLE	.1600	.2907	.1857	.0801	.0521	.0549	.1865	.1547	.1972	.2816	.1729	.2248	.0505	.0139	.0211
6	SKF MAL XIPHOID	.1527	.3559	.2076	.0775	.0881	.0420	.2485	.1755	.2774	.3484	.2311	.2666	.1517	.0713	.0484
7	SKF SUPRA ILIAC	.1765	.3831	.2269	.1020	.0817	.0790	.2587	.1589	.2791	.3503	.2397	.2863	.1324	.0518	.0200
8	SKF DORSAL HAND	.1372	.2486	.1314	.0569	.0579	.0795	.1537	.1537	.2089	.2169	.1404	.1785	.0997	.0323	.0591
9	GRIP STRENGTH	.2949	.2951	.1084	.0932	.0819	.0166	.1404	.1004	.1740	.2563	.2098	.2098	.2212	.1795	.1245
10	HEIGHT (STATURE)	.3869	.3179	.2336	.1497	.1335	.0700	.0875	.1635	.1722	.1871	.2097	.2136	.1518	.1376	.0599
11	CERVICALE HEIGHT	.3433	.2947	.2216	.1427	.1209	.0594	.0753	.1466	.1843	.1856	.2069	.2045	.1517	.1398	.0656
12	SHOULDER(ACROM) HT	.3339	.2957	.2193	.1360	.1287	.0535	.0804	.1478	.1770	.1938	.2017	.2121	.1470	.1368	.0658
13	ELBOW (RADIALE) HT	.2709	.2904	.2179	.1317	.1268	.0591	.0838	.1541	.1743	.1847	.1741	.2040	.1250	.1116	.0500
14	WRIST (STYLION) HT	.2793	.2804	.2098	.1304	.1108	.0710	.0916	.1761	.1633	.1670	.1400	.1980	.0782	.0591	-.0093
15	DACTYLION HEIGHT	.2180	.2522	.1996	.1116	.0929	.0623	.0924	.1844	.1652	.1409	.2074	.1887	-.0237	.0024	-.0391
16	SUPRASTERNALE HT	.3553	.2933	.2027	.1214	.1229	.0506	.0705	.1228	.1199	.1838	.1602	.1952	.1800	.1619	.0850
17	CHEST (NIPPLE) HT	.3156	.2369	.1627	.1061	.1185	.0365	.0208	.0780	.1053	.1196	.1460	.1398	.1487	.1437	.0712
18	WAIST HEIGHT (OMP)	.3026	.2085	.1273	.0766	.0994	.0202	.0157	.0482	.1312	.1052	.1273	.1273	.1718	.1624	.0913
19	ILIOCRISTALE	.3038	.2379	.1473	.0809	.1066	.0182	.0344	.0605	.1312	.1412	.1776	.1566	.1773	.1733	.0999
20	TROCHANTERIC HT	.3009	.2059	.1189	.0629	.1023	-.0079	.0197	-.0175	.1179	.1216	.1686	.1290	.1949	.1932	.1185
21	BUTTOCK HEIGHT	.2880	.1910	.0918	.0462	.0970	-.0156	.0056	-.0185	.0955	.1016	.1515	.1071	.2003	.2000	.1222
22	CROTCH HEIGHT	.2734	.1779	.0850	.0528	.0931	-.0173	-.0125	-.0270	.0822	.0807	.1393	.0931	.1877	.1912	.1155
23	GLUTEAL FURROW HT	.2677	.1670	.0757	.0393	.0875	-.0156	-.0267	-.0363	.1249	.1303	.1787	.1383	.2043	.1896	.1250
24	PATELLA TOP HEIGHT	.2964	.2225	.1195	.0746	.1129	-.0158	-.0237	-.0292	.1257	.1266	.1735	.1127	.2325	.2013	.1338
25	PATELLA BOTTOM HT	.2868	.2167	.1077	.0621	.1152	-.0142	-.0161	-.0096	.1038	.1007	.1549	.1127	.2009	.1847	.1178
26	CALF HEIGHT	.2903	.2032	.0885	.0391	.1029	-.0127	-.0208	-.0324	.1266	.1007	.1266	.1127	.1082	.1082	.0591
27	ANKLE HEIGHT	.1362	.0800	.0388	.0375	.0384	-.0099	.0208	-.0208	.0940	.0849	.0879	.0623	-.1037	-.1082	-.0591
28	MED"L MALLEOLUS HT	.1965	.2149	.2235	.1574	.0995	.1334	.0644	.2477	.1542	.1330	.0854	.1647	-.0337	-.0477	-.0678
29	LAT"L MALLEOLUS HT	.1364	.1674	.1353	.0781	.0796	.0737	.0349	.1418	.1231	.0786	.0670	.0838	.0241	-.0087	-.0348
30	SPHYRION HEIGHT	.1535	.1399	.1513	.0935	.0717	.0972	.0283	.1802	.1149	.0779	.0569	.1132	.0093	-.0102	-.0497
31	SITTING HEIGHT	.3341	.3546	.3019	.2153	.1138	.1393	.1359	.3099	.1961	.2069	.1852	.2426	-.0079	-.0114	-.0533
32	EYE HEIGHT SITTING	.2714	.3098	.2844	.2032	.1092	.1345	.0910	.2825	.1695	.1824	.1563	.2068	-.0200	-.0277	-.0654
33	MID SHOULDER HT/S	.2578	.3203	.2877	.2034	.0995	.1232	.1361	.2987	.2163	.2289	.1845	.2574	-.0058	-.0147	-.0435
34	ELBOW REST HT SIT	.0658	.1838	.1929	.1383	.0353	.1081	.1065	.2610	.1196	.1143	.0596	.1452	-.1375	-.1435	-.1153
35	KNEE HEIGHT SIT	.3761	.3000	.1720	.1002	.1330	.0251	.0839	-.0737	.1765	.2130	.2323	.2185	.2447	.2151	.1408
36	POPLITEAL HT/SIT	.2919	.1774	.0822	.0540	.0949	-.0086	-.0099	-.0092	.0791	.0895	.1393	.1116	.1943	.1857	.1181
37	BUTTOCK KNEE LNGH	.3739	.3521	.1790	.0809	.1526	-.0032	.1339	.0687	.2239	.2154	.2660	.2402	.2789	.2444	.1477
38	BUTTOCK POP LENGTH	.3281	.3040	.1396	.0702	.1311	-.0169	.0919	.0196	.1599	.2154	.2246	.1922	.2555	.2237	.1374
39	SHOULDER-ELBOW LTH	.2820	.2271	.1778	.1094	.1068	.0402	.0499	.1051	.1524	.1746	.1777	.1734	.1629	.1590	.0906
40	ELBOW WRIST LENGTH	.3443	.2451	.1161	.0772	.0883	.0092	.0298	.0138	.1167	.1837	.2026	.1702	.2212	.2318	.1693
41	FUNCTIONAL REACH	.2771	.2301	.1484	.1092	.0897	-.0097	.0746	-.0606	.1593	.2065	.2164	.1985	.1894	.1950	.1234
42	SLEEVE INSEAM	.2245	.1015	.0726	.0610	.0811	-.0045	-.0352	-.0014	.1593	.2065	.1101	.1082	.1827	.1928	.1035
43	BIACROMIAL BREADTH	.3358	.2987	.1538	.0983	.1121	.0653	.1936	.1769	.2620	.3045	.2476	.2148	.2489	.1965	.1106
44	BIDELTOID BREADTH	.4152	.4972	.2372	.1272	.1368	.0540	.3151	.2368	.3705	.4754	.3544	.3780	.2639	.1848	.1280
45	CHEST BREADTH/SKIN	.3336	.4783	.2592	.1365	.1365	.0766	.3341	.2550	.3601	.4568	.3289	.3926	.2127	.1103	.0682

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
46	CHEST BREADTH/BONE	.3210	.4208	.2244	.1119	.1221	.0709	.2951	.2336	.3221	.4113	.2802	.3217	.1885	.0944	.0601
47	WAIST BRDTH (OMP)	.2864	.4714	.3279	.1689	.1447	.1173	.3362	.3232	.3821	.4698	.3370	.4020	.1888	.1079	.0442
48	BI-ILIOCRISTALE	.2904	.4728	.3293	.1692	.1391	.1267	.3381	.3291	.3773	.4665	.3340	.4025	.1824	.1018	.0373
49	HIP BREADTH	.3246	.4630	.3319	.1772	.1644	.1235	.2888	.3056	.3579	.4339	.3179	.3926	.1933	.1280	.0579
50	HIP BREADTH SIT	.3301	.4786	.3315	.1713	.1581	.1178	.3163	.3155	.3637	.4502	.3360	.3930	.1912	.1252	.0509
51	BITROCHANTERC/BONE	.3266	.4179	.3358	.1779	.1544	.1293	.2604	.3155	.3443	.3941	.2793	.3568	.1545	.0966	.0225
52	ELBOW BREADTH	.1991	.3366	.1229	.1084	-.0497	-.1003	.1896	.1634	.2439	.3051	.2641	.2603	.1877	.1508	.1080
53	MAX F"ARM-F"ARM BR	.2776	.4117	.2014	.0884	.0840	.0572	.2730	.2005	.2763	.3989	.2890	.3505	.1141	.0697	.0703
54	WRIST BREADTH	.2901	.2432	.1665	.1030	.0863	.0991	.1374	.1803	.2400	.2684	.2312	.2565	.2394	.1689	.1459
55	KNEE BREADTH	.3731	.3991	.2859	.1818	.1639	.0862	.2394	.2609	.3214	.3829	.2906	.3381	.1754	.1398	.0785
56	KNEE-KNEE BR SIT	.3213	.4085	.2580	.1259	.1290	.0785	.2729	.2614	.3201	.3940	.3010	.3238	.2292	.1507	.0965
57	CHEST DEPTH	.2990	.4596	.2691	.1317	.1380	.0779	.2655	.2370	.3326	.4191	.2923	.3697	.1785	.1133	.0741
58	WAIST DEPTH (OMP)	.3224	.4757	.2467	.1014	.1315	-.0670	.3004	.2140	.3362	.4410	.3235	.3652	.2459	.1526	.0979
59	ABDOMINAL DPTH/SIT	.3058	.4460	.2703	.1244	.1384	.0648	.2830	.2183	.3195	.4145	.2953	.3555	.2201	.1360	.0725
60	BUTTOCK DEPTH	.3569	.4842	.2370	.0916	.1338	.0460	.3040	.1855	.3392	.4422	.3239	.3594	.2659	.1715	.1105
61	THIGH CLEAR HT SIT	.3211	.4234	.2099	.0856	.1109	.0386	.2754	.1699	.3110	.4023	.3142	.3556	.2516	.1791	.1271
62	NECK CIRC MAXIMUM	.4399	.5640	.2191	.1033	.1315	.0402	.3883	.2533	.4110	.5207	.3990	.4341	.3225	.2127	.1655
63	SHOULDER CIRC	.4087	.5160	.2320	.1238	.1485	.0708	.3284	.2474	.3891	.4910	.3702	.3929	.3140	.2106	.1455
64	CHEST CIRCUMF"ENCE	.3470	.5609	.2756	.1414	.1515	.0599	.3148	.2517	.3630	.4703	.3343	.3989	.2160	.1255	.0814
65	WAIST CIRC (OMPH)	.3060	.4937	.3089	.1509	.1418	.1003	.3359	.2810	.3770	.4777	.3409	.4006	.2013	.1183	.0611
66	BUTTOCK CIRC	.3685	.5211	.3042	.1430	.1601	.0892	.3241	.2818	.3916	.4815	.3572	.4166	.2489	.1634	.0923
67	BUTTOCK CIRC/SIT	.3416	.5098	.2982	.1542	.1611	.0993	.3159	.2691	.3565	.4531	.3233	.4079	.2273	.1176	.0710
68	VERTICAL TRUNK CIR	.4025	.4919	.3436	.1913	.1561	.1219	.2716	.3288	.3633	.4257	.3301	.4001	.1837	.1177	.0478
69	VERT TRUNK CIR SIT	.3726	.4640	.3363	.1936	.1424	.1220	.2511	.3326	.3376	.3954	.3109	.3787	.1502	.1008	.0255
70	UPPER THIGH CIRC	.3350	.4881	.2411	.1031	.1379	.0481	.3108	.2002	.3502	.4585	.3515	.3833	.2792	.1857	.1315
71	THIGH CIRC SITTING	.3391	.4871	.2376	.1020	.1388	.0403	.3194	.2184	.3910	.4846	.3783	.3978	.2978	.2339	.1442
72	LOWER THIGH CIRC	.3547	.4583	.2337	.1151	.1348	.0558	.3054	.2079	.3522	.4579	.3536	.3711	.2840	.2088	.1481
73	KNEE CIRCUMFERENCE	.4123	.4850	.3021	.1695	.2000	.0369	.3066	.2656	.3929	.4630	.3788	.3983	.3369	.2467	.1501
74	KNEE CIRC SITTING	.3991	.4710	.2741	.1285	.1555	.0468	.3047	.2357	.3985	.4693	.3829	.4053	.2927	.2505	.1712
75	CALF CIRCUMFERENCE	.3681	.4789	.2670	.1431	.1525	.0814	.3015	.2362	.3377	.4366	.3382	.3854	.2588	.1668	.1285
76	ANKLE CIRCUMF"ENCE	.3701	.4238	.2617	.1379	.1497	.1045	.2741	.2556	.3132	.3849	.3139	.3787	.2300	.1460	.1210
77	SCYE CIRCUMFERENCE	.3867	.5175	.2685	.1459	.1439	.0769	.2959	.2453	.3671	.4740	.3619	.4063	.2674	.1991	.1496
78	BICEPS CIRC EXT	.3406	.4776	.2166	.0927	.1226	.0504	.3061	.1969	.3400	.4673	.3487	.3882	.2855	.1827	.1466
79	BICEPS CIRC FLEXED	.3431	.4619	.1961	.0901	.1216	.0505	.2877	.1830	.3203	.4408	.3223	.3666	.2856	.1781	.1452
80	ELBOW CIRC EXT	.4233	.4879	.2338	.1171	.1360	.0718	.2841	.2141	.3591	.4620	.3748	.3964	.3159	.2200	.1650
81	ELBOW CIRC FLEXED	.3231	.3584	.1810	.0985	.1015	.0681	.1722	.1556	.2322	.3302	.2718	.2989	.2218	.1758	.1401
82	FOREARM CIRC EXT	.4231	.5087	.2176	.1047	.1377	.0575	.2967	.2093	.3669	.4757	.3823	.4170	.3379	.2445	.1941
83	FOREARM CIR FLEXED	.3741	.4675	.1921	.0953	.1200	.0649	.2694	.1939	.3284	.4460	.3456	.3841	.2975	.2179	.1746
84	WRIST CIRCUMF"ENCE	.4111	.4295	.2201	.1196	.1386	.0809	.2385	.2236	.3382	.4100	.3382	.3612	.3076	.2250	.1768
85	SL SPINE/SCYE	.2739	.3549	.1884	.1101	.0874	.0704	.2076	.1793	.2261	.3255	.2318	.2526	.1371	.0900	.0515
86	SL SPINE-ELBOW	.3567	.3599	.2235	.1419	.1172	.0781	.1840	.1921	.2394	.3180	.2662	.2711	.1903	.1530	.0832
87	SL SPINE-WRIST	.3885	.3533	.2028	.1288	.1278	.0497	.1453	.1475	.2233	.3015	.2754	.2523	.2493	.2108	.1328
88	ANTERIOR NECK LGTH	-.0414	-.0416	-.0450	.0668	.0240	-.0307	-.0835	-.0749	-.0302	-.1003	-.0472	-.0010	-.0887	-.0449	-.0998
89	POSTERIOR NECK LTH	.0952	.0434	.0764	.0675	.0831	.0559	-.0796	-.0427	-.0120	-.0517	-.0142	-.0016	.0848	.0539	-.0015
90	SHOULDER LENGTH	.1637	.0983	.0908	.0736	.0504	.0606	.0162	.0658	.0285	.0407	.0797	.0246	.0547	.0711	.0124

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
91 DELTOID ARC	.1898	.1697	.0809	.0778	.0647	.0011	.0019	.0504	.0873	.0990	.1031	.1221	.0713	.0739	.0527
92 INTERSCYE	.2845	.3394	.1594	.0743	.0798	.0159	.2172	.1309	.2516	.3190	.2344	.2501	.1567	.1050	.0750
93 INTERSCYE MAXIMUM	.3114	.4041	.2188	.1198	.1314	.0585	.2518	.2063	.3046	.3846	.2741	.3047	.1711	.1170	.0832
94 WAIST FRONT	.2802	.3437	.2567	.1431	.0988	.0961	.1752	.2241	.2244	.2793	.2315	.2608	.1367	.0908	.0483
95 CROTCH LENGTH	.3549	.4493	.2433	.1294	.1411	.1001	.2318	.2708	.3395	.3981	.2986	.3629	.2352	.1355	.0791
96 WAIST BACK	.2306	.2919	.2950	.2067	.1000	.1385	.1472	.2999	.2095	.2306	.1831	.2209	.0262	.0080	-0520
97 FOOT LENGTH	.3877	.3040	.1844	.1231	.1630	.0246	.1189	.0878	.2095	.2306	.2590	.2274	.2966	.2644	.1841
98 BALL-OF-FOOT LNGTH	.3382	.2605	.1516	.1023	.1422	.0147	.1002	.0650	.2003	.2172	.2493	.2123	.3058	.2694	.1842
99 BALL-OF-FOOT BRDTH	.3960	.3616	.2037	.1198	.1524	.0798	.1984	.1842	.2537	.3088	.2747	.2990	.3013	.2497	.1775
100 BI-MALLEOLAR BRDTH	.3396	.3058	.1979	.1285	.1188	.0711	.1565	.1640	.2111	.2572	.2228	.2833	.1914	.1472	.1189
101 BALL-OF-FOOT GIRTH	.4342	.3903	.2180	.1264	.1597	.0958	.1565	.1633	.2450	.3387	.3075	.3329	.3224	.2584	.1762
102 INSTEP CIRCUMF"NCE	.4616	.4048	.2108	.1056	.1539	.0805	.2114	.1633	.2722	.3406	.3069	.3210	.3170	.2627	.1922
103 HEEL-ANKLE CIRCUMF	.4679	.4209	.2114	.1255	.1678	.0650	.1904	.1554	.2816	.3479	.3164	.3279	.3490	.2872	.2100
104 HAND LENGTH	.3741	.2191	.1691	.1177	.1896	.0819	.0564	.0586	.1654	.1888	.2151	.1598	.2615	.2485	.1918
105 PALM LENGTH	.3252	.1776	.1451	.0811	.1977	.0758	.0356	.0327	.1425	.1430	.1773	.1216	.2218	.2214	.1658
106 HAND BREADTH/META	.4267	.3260	.2271	.1181	.2243	.1911	.2015	.1988	.2492	.3180	.2689	.2893	.2565	.1962	.1736
107 HAND CIRC/META	.3753	.3531	.2048	.1104	.1258	.0806	.2015	.1988	.2789	.3486	.3091	.3211	.2744	.2237	.1754
108 HAND CIRC/THUMB	.4199	.4078	.1857	.1117	.1409	.0650	.2200	.1902	.3082	.3709	.3283	.3310	.3251	.2609	.2024
109 THICKNESS META/III	.3587	.2256	.1992	.0729	.2265	.2363	.1308	.1640	.2095	.2630	.1996	.2356	.1334	.1045	.0938
110 FINGER DIAM III	.3198	.3040	.1860	.1249	.0993	.0778	.1720	.1972	.2673	.3054	.2688	.2809	.2689	.2157	.1533
111 HEAD CIRCUMFERENCE	.6509	.6229	.1767	.0749	.1342	.0162	.5416	.2555	.3573	.4331	.4317	.3139	.3782	.3389	.2902
112 SAGITTAL ARC	.5629	.3770	.1089	.0286	.0645	-0020	.2401	.1104	.1110	.1247	.1536	.1520	.1179	.1388	.1220
113 MINIMUM FRONTL ARC	.2073	.2005	.0795	.0190	.0754	-0262	.2333	.1116	.2710	.3180	.4147	.2004	.3391	.3687	.3100
114 BIT-CORONAL ARC	.5315	.4247	.1720	.0311	.0452	-1088	.5778	.2788	.2048	.3551	.2979	.2504	.2238	.0786	.1529
115 BIT-MIN FRONTAL A	.4943	.5631	.2292	.1151	.1136	-0698	.4638	.2499	.3651	.5704	.5375	.3437	.4906	.4137	.3787
116 BIT-SUBNASALE ARC	.5065	.5674	.2168	.1491	.1628	-0091	.2935	.1264	.3573	.5549	.4760	.4004	.5454	.4004	.3633
117 BIT-MENTON ARC	.6393	.5147	.2434	.1691	.1814	-0077	.3103	.1851	.4638	.5549	.4359	.4498	.4367	.3514	.2527
118 BIT-SUBMANDIB ARC	.4987	.4592	.2632	.1793	.1898	.0241	.3144	.2642	.4865	.5280	.4195	.4722	.3681	.3169	.1821
119 BIT-POSTERIOR ARC	.4004	.5372	.2453	.1810	.2111	-0306	.3890	.3913	.5364	.4934	.3729	.4323	.3130	.2627	.0970
120 HEAD LENGTH	.5909	.5612	.1300	.0792	.1249	-0251	.1032	.0417	.0946	.1346	.1786	.1585	.2474	.2380	.2284
121 MAX HEAD DIAG/MENT															
122 MAX HEAD DIAG/NUCH	.5512														
123 EAR LENGTH	.2240	.2344													
124 EAR LGTH ABOVE TRG	.1082	.1715	.5995												
125 EAR BREADTH	.2263	.1540	.4277	.4261											
126 EAR PROTRUSION	.0857	.0240	.3192	.1787	.1415										
127 HEAD BREADTH	.3244	.2809	.1110	.0337	.0544	.0688									
128 AGE	.1558	.1899	.3697	.2418	.1019	.6096	.4946								
129 BITRAGION DIAMETER	.2702	.2900	.2012	.1307	.1778	.0504	.6330	.5287							
130 BIZYGOMATIC DIAM	.3308	.3718	.1961	.1074	.0875	.0596	.6868	.4760	.6802						
131 MAX FRONTAL DIAM	.3070	.3267	.1516	.0541	.1031	.0237	.5233	.5643	.5180	.4278					
132 BIGONIAL DIAMETER	.2917	.3185	.1875	.1011	.0716	-0399	.3910	.3622	.5180	.5747	.4278				
133 BIOCULAR DIAMETER	.3147	.2931	.0544	-0157	.0819	-0399	.3014	.1038	.3426	.4713	.5480	.2714			
134 INTERPUPILLARY DST	.2437	.1972	-0203	-0301	-0538	-0823	.2627	.0968	.3639	.4344	.5796	.2398	.7367		
135 INTEROCULAR DIAM	.2052	.1504	-0426	-0763	.0069	-0583	.1944	.0193	.2030	.3207	.4475	.1881	.5761	.6800	

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136 NASAL ROOT BREADTH	.1842	.1302	-.0557	-.0670	.0331	-.0699	.1262	-.0163	.2129	.2163	.3311	.1350	.4143	.5204	.6576
137 NASAL BREADTH	.2495	.1218	-.1262	-.0984	.0408	-.1303	.0591	-.1713	.1198	.1529	.2291	.0746	.4724	.4691	.4406
138 NOSE PROTRUSION	.0742	.1930	.1680	.1179	.1004	.0584	.1216	-.2251	.2171	.1523	.1362	.1354	.0161	.0964	-.0399
139 PHILTRUM LENGTH	.1777	.1037	.0294	.0110	.0237	.0194	-.0230	-.0620	-.0977	.0521	.0250	.0478	.1594	.0025	.1141
140 LIP-LIP DISTANCE	.2030	.0585	-.1177	-.0751	.0586	-.1238	-.0230	-.1832	.0487	.0521	.1220	-.0132	.3804	.4100	.2908
141 LIP LENGTH	.2268	.1667	.0210	-.0242	.0495	-.0755	.1537	.0472	.3028	.2968	.3558	.1945	.3718	.4812	.2858
142 LIP LENGTH SMILING	.2016	.1765	.0496	.0087	.0822	-.0407	.1563	-.0700	.2703	.2720	.3019	.1950	.2835	.3321	.2031
143 MENTON-SUBNASALE L	.4516	.2136	.0700	.0257	.1339	.0364	.0465	-.0320	.0534	.1242	.1200	.0949	.2174	.1873	.1735
144 MENTON-NASAL RT DP	.4848	.3012	.1567	.1125	.1198	.0330	.1347	-.0942	.1432	.2068	.1773	.1693	.2089	.1801	.1418
145 SUBNAS-NAS RT DPTH	.1842	.2195	.1851	.1534	.1204	.0777	.0925	.1638	.1445	.1314	.1098	.1144	.0623	.0350	-.0339
146 VERTEX-GLABELLA HT	.3519	.1803	.0443	-.0078	.0167	.0577	.1370	.0719	.0214	.0364	.0480	.0897	.0119	-.0093	.0214
147 VERTEX-NASAL RT DP	.4132	.1839	.0482	-.0075	.0092	.0390	.1596	-.0648	-.0449	.0808	.0873	.1116	-.0649	.0429	.0654
148 VERTEX-EXT CANT HT	.4382	.2533	.0664	.0020	.0011	.0398	.2405	.1150	.0867	.1284	.1373	.1354	.1046	.0529	.0681
149 VERTEX-PRONASALE H	.3813	.1904	.1008	.0459	.0264	.0740	.1721	.1317	.0663	.0888	.0777	.1109	.0273	-.0055	.0244
150 VERTEX-STOMION HT	.5418	.2843	.1206	.0499	.0895	.0698	.1877	.0971	.0950	.1401	.1487	.1563	.1642	.1236	.1221
151 VERTEX-MENTON HT	.6775	.3384	.1318	.0679	.1004	.0502	.2033	.0960	.1246	.1901	.1812	.1904	.1956	.1532	.1493
152 VERTEX-TRAGION HT	.4713	.3509	.1394	.0131	-.0071	.0893	.3522	.2090	.0992	.1952	.1987	.1703	.1217	.0735	.0783
153 WALL-GLABELLA DIST	.5885	.5862	.1512	.0914	.1180	-.0344	.1126	.0472	.1013	.1633	.1860	.1771	.2556	.2279	.2265
154 WALL-NAS RT DEP DT	.5813	.5975	.1797	.1067	.1550	-.0134	.1040	.0666	.1030	.1518	.1751	.1805	.2386	.1990	.2013
155 WALL-EX CANT DIST	.5251	.5047	.1096	.0482	.1157	-.0492	.0894	.0137	.0874	.1158	.1364	.1374	.2381	.1986	.1695
156 WALL-PRONASALE DST	.5519	.6419	.2176	.1560	.1877	-.0363	.1042	-.0829	.1580	.1838	.2033	.1929	.2595	.2077	.1682
157 WALL-STOMION DIST	.5453	.5335	.1043	.0640	.1372	-.1026	.0732	-.0457	.1233	.1696	.2162	.1436	.3601	.3048	.2532
158 WALL-MENTON DIST	.4436	.4943	.1736	.1029	.0935	-.0637	.1581	-.1140	.2192	.2534	.2369	.2148	.2313	.1824	.1228
159 WALL-TRAGION DIST	.3555	.3493	.0583	.0293	.0451	-.0601	-.0050	.0011	-.0170	-.0362	.0073	.0526	.0749	.0652	.0605
169 WEIGHT REPORTED	.4528	.5709	.3018	.1489	.1688	-.0733	.3357	.2623	.3998	.5096	.3990	.4441	.3039	.2171	.1480
170 STATURE REPORTED	.3816	.3309	.2296	.1538	.1401	.0746	.1004	.1678	.1943	.2015	.2152	.2173	.1582	.1354	.0634

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1 AGE	-.0143	-.0214	.0465	.0243	-.0817	-.0628	.0335	-.0040	-.0403	.0519	.0201	.0019	.0139	.0344	.0250
2 HEIGHT	.1371	.1383	.1085	.1288	-.0403	.1630	.1850	.1625	.2263	.2154	.0700	.0819	.1305	.0398	.1312
3 SKF SUBSCAPULAR	.1132	.1129	-.0085	.0634	-.0199	.0939	.1153	-.0549	-.0597	-.0072	.0184	.0131	.0576	-.0433	.0048
4 SKF TRICEPS	.0289	-.0474	-.0076	.0324	-.0941	.0150	.0511	.0191	-.0203	-.0252	-.0549	.0322	.0754	-.0137	.0042
5 SKF JUXTA NIPPLE	-.0178	-.0545	-.0038	.0116	-.0955	.0463	.0555	-.0323	.0468	-.0214	.0499	.0366	.0594	-.0123	-.0139
6 SKF MAL XIPHOID	.0532	-.0067	-.0011	.0354	-.0921	.0223	.0652	-.0141	-.0017	-.0294	-.0452	-.0051	.0439	-.0547	-.0493
7 SKF SUPRA ILIAC	.0181	-.0705	.0432	-.0022	-.1426	.0178	.0708	-.0174	.0017	-.0057	.0452	-.0208	.0715	-.0138	-.0164
8 SKF DORSAL HAND	-.0340	.0285	.0119	.0619	-.0621	-.0045	.0423	-.0564	.0667	.0195	.0526	.0577	.0790	.0437	.0592
9 GRIP STRENGTH	.1157	.2089	.0617	.0709	.1389	.1573	.1441	.1472	.1863	.1044	.0397	.0612	.0561	.0549	.1350
10 HEIGHT (STATURE)	.0503	.0305	.1685	.0573	.0730	.0599	.0812	.1692	.2700	.2290	.0573	.0925	.0742	.0860	.1700
11 CERVICALE HEIGHT	.0517	.0421	.1459	.0597	.0805	.0500	.0730	.1595	.2567	.2154	.0069	.0378	.0167	.0302	.1128
12 SHOULDER(ACROM) HT	.0515	.0071	.1566	.0531	-.0669	.0637	.0749	.1498	.2445	.2103	.0008	.0297	.0060	.0204	.0985
13 ELBOW (RADIALE) HT	-.0413	-.0071	.1691	.0563	-.0313	.0518	.0711	-.1227	.2149	.1938	.0152	.0395	.0155	.0287	.0945
14 WRIST (STYLION) HT	-.0135	-.0730	.1699	.0391	-.0555	-.0064	.0394	.0606	.1567	.1779	.0402	.0433	.0312	.0421	.0793
15 DACTYLION HEIGHT	-.0220	-.1464	.1316	.0198	-.1180	-.0301	.0253	.0218	.1111	.1515	.0370	.0291	.0212	.0304	.0431
16 SUPRASTERNALE HT	.0769	.0893	.1212	.0631	.1279	.0815	.0911	.1749	.2584	.2061	.0157	.0549	.0255	.0376	.1302
17 CHEST (NIPPLE) HT	.0644	.0954	.0994	.0473	.1428	.0660	.0743	.1658	.2384	.1977	.0098	.0507	.0067	.0351	.1213
18 WAIST HEIGHT (OMP)	.0905	.1304	.0941	.0503	-.1797	.0773	.0638	.1690	.2366	.1838	-.0018	.0373	-.0007	.0165	.1091
19 ILIOCRISTALE	.0870	.1339	.0733	.0491	-.1746	.0870	.0702	.1885	.2418	.1697	-.0303	.0235	-.0197	-.0025	.0917
20 TROCHANTERIC HT	.1122	.1733	.0396	.0712	.2355	.0937	.0761	.2042	.2482	.1568	-.0325	.0230	-.0126	-.0062	.0994
21 BUTTOCK HEIGHT	.1236	.2158	.0484	.0705	.2657	.1052	.0923	.1825	.2236	.1449	-.0410	.0042	-.0336	-.0344	.0770
22 CROTCH HEIGHT	.1086	.2015	.0442	.0574	.2503	.1016	.0761	.1844	.2246	.1513	-.0462	.0082	-.0393	-.0289	.0777
23 GLUTEAL FURROW HT	.1139	.2065	.0800	.0595	.2610	.0367	.0732	.1916	.2268	.1446	-.0553	-.0017	-.0468	-.0376	.0701
24 PATELLA TOP HEIGHT	.1174	.1855	.0860	.0726	.2210	.1066	.0338	.1954	.2479	.1730	-.0318	.0212	-.0133	-.0064	.0997
25 PATELLA BOTTOM HT	.1397	.1987	.0277	.0725	.2325	.0998	.0879	.1818	.2334	.1716	-.0324	.0169	-.0159	-.0101	.0967
26 CALF HEIGHT	.1232	.2129	.0831	.0794	.2307	.0944	.0790	.1535	.1954	.1329	-.0041	-.0260	-.0041	-.0042	.0932
27 ANKLE HEIGHT	.0526	.2129	.1644	.0486	.0971	.0532	.0518	.1611	.1814	.0945	-.0461	.0289	.0189	.0364	.0808
28 MED"L MALLEOLUS HT	-.0627	-.1846	.1355	-.0280	-.2023	-.0559	-.0075	.0033	.0933	.1556	.0865	.0760	.0893	.1216	.0969
29 LAT"L MALLEOLUS HT	-.0154	-.1187	.1512	-.0162	-.1103	-.0544	-.0137	-.0223	.0452	.1121	.0426	.0345	.0368	.0523	.0372
30 SPHYRION HEIGHT	-.0248	-.1364	.2580	-.0154	-.1225	-.0654	-.0249	-.0316	.0962	.1351	.0426	.0658	.0703	.1086	.0900
31 SITTING HEIGHT	-.0564	-.2366	.2486	.0037	-.2091	-.0300	.0454	.0617	.2027	.2312	.1545	.0636	.1688	.1893	.2016
32 EYE HEIGHT SITTING	-.0782	-.2357	.2394	.0012	-.2307	-.0462	.0171	.0535	.1894	.2312	.0737	.0636	.0641	.1160	.1250
33 MID SHOULDER HT/S	-.0729	-.2357	.1847	-.0012	-.3553	-.0203	-.0293	.0371	.1716	.2089	.0585	.0380	.0639	.0805	.0837
34 ELBOW REST HT SIT	-.1258	-.3364	.0843	-.0301	-.3553	-.0856	-.0253	-.0860	.0045	.0922	.0662	.0231	.0596	.0721	.0149
35 KNEE HEIGHT SIT	.1290	.2062	.0513	.0985	.2210	-.1289	.1106	.2259	.2799	.1791	-.0066	.0434	.0181	.0092	.1289
36 POPLITEAL HT/SIT	.1026	.2416	.0510	.0701	.2555	.1091	.0796	.2129	.2520	.1589	-.0277	.0251	.0193	-.0022	.1072
37 BUTTOCK KNEE LNGTH	.1347	.2416	.0520	.0919	.2370	.1489	.1400	.1989	.2338	.1285	-.0189	-.0267	-.0197	-.0304	.0871
38 BUTTOCK POP LENGTH	.1190	.2482	.1212	.0901	.2515	.1309	.1151	.1975	.2088	.0938	-.0303	-.0189	-.0032	-.0458	.0681
39 SHOULDER-ELBOW LTH	.0657	.0901	-.0036	.0431	.1284	.0724	.0720	.1672	.2453	.1892	-.0296	-.0007	-.0185	-.0022	.0787
40 ELBOW WRIST LENGTH	.1143	.2811	.0530	.1048	.2801	.1722	.1141	.2666	.2940	.1281	-.0319	.0399	-.0078	-.0044	.1198
41 FUNCTIONAL REACH	.1003	.1876	.0602	.0768	.1910	.1317	.0340	.1808	.2452	.1432	-.0301	.0188	-.0073	-.0085	.0906
42 SLEEVE INSEAM	.0897	.1890	.0752	.0352	.2515	.0896	.0630	.1679	.2204	.1567	-.0719	-.0210	-.0596	-.0343	.0583
43 BIACROMIAL BREADTH	.1111	.1551	.1242	.0975	.1107	.1468	.1547	.1403	.2102	.1301	.0802	.0914	.1122	.0866	.1671
44 BIDELTOID BREADTH	.1120	.1463	.0923	.1124	-.0285	.1702	.1850	.1518	.2112	.0993	.0916	.1007	.1360	.0716	.1511
45 CHEST BREADTH/SKIN	.0656	.0139	.1007	.1095	-.0681	.0932	.1298	.0931	.1490	.0795	.0666	.0573	.1070	.0349	.0903

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
46	CHEST BREADTH/BONE	.0669	.0280	.1179	.1093	-.0523	.1035	.1262	.1027	.1546	.0804	.0817	.0656	.1033	.0543	.1096
47	WAIST BRDTH (OMP)	.0336	.1315	.1350	.0608	-.1528	.0520	.1034	.0281	.1039	.0897	.0382	.0185	.0868	.0087	.0266
48	BI-ILIOCRISTALE	.0300	-.0845	-.1350	.0594	-.1615	.0465	.1031	.0176	.0957	.0880	.0504	.0238	.0937	.0121	.0283
49	HIP BREADTH	.0469	-.0366	.1590	.0425	-.1028	.0598	.1170	.0567	.1447	.1419	.0543	.0388	.0859	.0327	.0657
50	HIP BREADTH SIT	.0463	-.0406	.1473	.0527	-.1200	.0643	.1147	.0488	.1269	.1080	.0672	.0555	.1056	.0328	.0656
51	BITROCHANTERC/BONE	.0173	-.0759	.1931	.0282	-.1206	.0315	.0392	.0548	.1604	.1812	.0653	.0463	.0914	.0605	.0885
52	ELBOW BREADTH	.0866	.1022	.0763	.0753	.0378	.1279	.1125	.0414	.1879	.1120	.0220	.0460	.0919	.0499	.0765
53	MAX F"ARM-F"ARM BR	.0304	.0132	.0430	.0700	-.1030	.0863	.1044	.0762	.1108	.0347	.0595	.0506	.0938	.0230	.0549
54	WRIST BREADTH	.1501	.1327	.1142	.1020	-.0645	.1229	.1192	.1212	.1984	.1580	.0543	.0621	.0935	.0815	.1365
55	KNEE BREADTH	.0591	.0454	.1260	.0938	-.0150	.1083	.1165	.1648	.2343	.1481	.0733	.0904	.1177	.0843	.1515
56	KNEE-KNEE BR SIT	.0927	.0986	.0695	.0921	.0111	.1063	.1326	.1085	.1388	.0542	.0765	.0819	.1114	.0436	.1099
57	CHEST DEPTH	.0502	.0365	.0709	.0709	-.0498	.1015	.1199	.0635	.1015	.0505	.0242	.0080	.0597	-.0242	.0162
58	WAIST DEPTH (OMP)	.0735	.0964	.0343	.0951	-.0099	.1146	.1325	.0970	.1213	.0443	.0550	.0591	.1102	.0179	.0661
59	ABDOMINAL DPTH/SIT	.0594	.0532	.0607	.0874	-.0368	.0813	.1112	.0721	.1071	.0556	.0399	.0400	.0971	.0053	.0470
60	BUTTOCK DEPTH	.1093	.1276	.0308	.1027	-.0292	.1295	.1475	.1055	.1244	.0326	.0712	.0729	.1181	.0214	.0836
61	THIGH CLEAR HT SIT	.1109	.1693	.0462	.1149	.0212	.1680	.1829	.1332	.1495	.0431	.0486	.0557	.0885	.0035	.0809
62	NECK CIRC MAXIMUM	.1461	.1820	.0686	.1410	.0798	.1990	.1858	.1426	.1998	.0846	.1157	.1089	.2035	.0861	.1605
63	SHOULDER CIRC	.1414	.1631	.0994	.1198	.0553	.1613	.1851	.1456	.2013	.1051	.0691	.0721	.1191	.0409	.1252
64	CHEST CIRCUMF"ENCE	.0725	-.0454	.0894	.0961	-.0464	.1129	.1432	.0874	.1342	.0689	.0530	.0421	.0866	.0102	.0628
65	WAIST CIRC (OMPH)	.0400	-.0100	.0972	.0662	-.1078	.0779	.1189	.0558	.1112	.0733	.0413	.0322	.0930	.0094	.0365
66	BUTTOCK CIRC	.0833	.0477	.1211	.0788	-.0467	.1067	.1410	.0891	.1312	.0973	.0627	.0584	.1112	.0237	.0764
67	BUTTOCK CIRC/SIT	.0693	.0213	.0830	.0995	-.0784	.0515	.0939	.0730	.0934	.0582	.0474	.0474	.1013	.0181	.0602
68	VERTICAL TRUNK CIR	.0398	-.0465	.1951	.0774	-.1097	.0802	.1246	.0952	.2096	.1846	.0770	.0658	.1038	.0661	.1147
69	VERT TRUNK CIR SIT	.0208	-.0904	.2162	.0626	-.1352	.0609	.1185	.0865	.2115	.2015	.0621	.0502	.0870	.0612	.1035
70	UPPER THIGH CIRC	.1176	.1393	.0469	.1055	-.0345	.1449	.1644	.1082	.1259	.0380	.0547	.0580	.1045	-.0006	.0695
71	THIGH CIRC SITTING	.1420	.1507	.0805	.0670	.0512	.1857	.1902	.1040	.1295	.0468	.0431	.0485	.0939	-.0036	.0635
72	LOWER THIGH CIRC	.1394	.1730	.0632	.1162	.0637	.1598	.1829	.1377	.1637	.0625	.0384	.0618	.1035	.0124	.0914
73	KNEE CIRCUMFERENCE	.1550	.1424	.1337	.1029	.0653	.1433	.1695	.1384	.2067	.1461	.0521	.0660	.1084	.0398	.1243
74	KNEE CIRC SITTING	.1577	.1631	.1136	.0743	.0793	.1921	.1919	.1494	.1975	.1028	.0575	.0784	.1134	.0334	.1216
75	CALF CIRCUMFERENCE	.1221	.1077	.0910	.0982	-.0256	.1410	.1654	.1244	.1671	.0936	.0925	.0951	.1455	.0625	.1357
76	ANKLE CIRCUMF"ENCE	.1192	.0646	.1138	.1096	-.0037	.1261	.1459	.1361	.2041	.1222	.0734	.0823	.1190	.0548	.1349
77	SCYE CIRCUMFERENCE	.1140	.1279	.0995	.1136	-.0080	.1552	.1643	.1458	.2041	.1126	.0496	.0504	.1006	.0246	.1015
78	BICEPS CIRC EXT	.1295	.1583	.0153	.1280	.0412	.1566	.1737	.1170	.1340	.0282	.0785	.0790	.1322	.0304	.0988
79	BICEPS CIRC FLEXED	.1351	.1735	.0198	.1318	.0486	.1614	.1842	.1175	.1421	.0396	.0718	.0726	.1236	.0314	.1037
80	ELBOW CIRC EXT	.1601	.2143	.0719	.1506	-.0898	.1842	.1884	.1900	.2314	.1145	.0648	.0817	.1256	.0412	.1427
81	ELBOW CIRC FLEXED	.1155	.1641	.0746	.1201	.0760	.1564	.1525	.1657	.2173	.1147	.0389	.0595	.0797	.0379	.1623
82	FOREARM CIRC EXT	.1825	.2448	.0709	.1584	.1123	.2061	.1956	.1900	.2344	.1111	.0816	.0938	.1385	.0612	.1630
83	FOREARM CIR FLEXED	.1540	.2172	.0686	.1392	.0936	.1962	.1942	.1711	.2156	.1000	.0727	.0830	.1207	.0583	.1486
84	WRIST CIRCUMF"ENCE	.1773	.2163	.1125	.1351	-.1207	.1864	.1715	.2058	.2706	.1481	.0661	.0889	.1232	.0708	.1738
85	SL SPINE/SCYE	.0429	.0453	.0714	.0473	-.0245	.0915	.1009	.1114	.1645	.0902	.0490	.0482	.0629	.0511	.0944
86	SL SPINE-ELBOW	.0561	.0664	.1168	.0564	-.0412	.0918	.0984	.1560	.2409	.1744	.0209	.0378	.0415	.0332	.1056
87	SL SPINE-WRIST	.1060	.1623	.0990	.0905	.1462	.1286	.1117	.2099	.2874	.1856	-.0087	.0352	.0260	.0205	.1198
88	ANTERIOR NECK LGTH	-.0687	-.1612	.1582	-.0874	-.1004	-.0421	-.0314	-.0898	-.0230	-.0950	-.0077	-.0385	-.0449	-.0015	-.0319
89	POSTERIOR NECK LTH	.0641	-.0074	.1128	-.0345	-.0576	-.0085	-.0423	-.0182	.0120	.0829	.1013	.0960	.0771	.0969	.1179
90	SHOULDER LENGTH	.0375	.0326	.0808	.0071	.0520	.0546	.0607	.0183	.0890	.1029	.0770	.0435	.0422	.0484	.0877

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
91	DELTOID ARC	.0058	.0872	.0918	-.0041	.0752	.0615	.0381	.1550	.2092	.1638	-.0184	.0165	-.0068	.0160	.0757
92	INTERSCYE	.0730	.0638	.0486	.0580	.0020	.0929	.1151	.1077	.1284	.0298	.0731	.0809	.1081	.0480	.1030
93	INTERSCYE MAXIMUM	.0960	.0319	.1326	.0644	-.0306	.0878	.1383	.1062	.1797	.1168	.0422	.0413	.0831	.0385	.0970
94	WAIST FRONT	-.0339	-.0268	.1220	.0737	-.0504	.0492	.0916	.0781	.1477	.1328	.0539	.0656	.0851	.0641	.1080
95	CROTCH LENGTH	.1014	-.0335	-.1074	.0574	-.0394	-.0928	.1302	.0894	.1482	.1088	.1048	.1027	.1485	.0749	.1210
96	WAIST BACK	-.0610	-.2046	-.2210	.0234	-.1814	-.0437	.0138	.0284	.1650	.2035	.0129	-.0073	-.0317	.0374	.0447
97	FOOT LENGTH	.1547	.2796	-.1147	.0969	.2636	.1870	.1498	.2406	.3082	.2146	-.0039	.0321	.0247	.0399	.1667
98	BALL-OF-FOOT LNGTH	.1768	.2808	.0893	.0915	.2671	.1871	.1573	.2107	.2663	.1817	-.0115	.0321	.0247	.0130	.1333
99	BALL-OF-FOOT BRDTH	.1802	.2324	.1025	.1488	.1800	.2008	.1527	.2352	.2818	.1372	.0686	.0937	.1074	.0765	.1956
100	BI-MALLEOLAR BRDTH	.0832	.1348	.0926	.1044	.0819	.1505	.1271	.1902	.2554	.1650	.0636	.0845	.0983	.0863	.1673
101	BALL-OF-FOOT GIRTH	.1949	.2397	.1380	.1571	.1664	.2149	.1854	.2310	.3020	.1817	.0869	.1130	.1339	.1056	.2248
102	INSTEP CIRCUMF"NCE	.1838	.2827	.0754	.1494	.2089	.2214	.1861	.2629	.3122	.1745	.0787	.1295	.1328	.1048	.2284
103	HEEL-ANKLE CIRCUMF	.2000	.3003	.0885	.1340	.2587	.2373	.1916	.2673	.3249	.1909	.0511	.0993	.1036	.0721	.2104
104	HAND LENGTH	.1509	.2932	.0643	.1055	.2691	.1693	.1297	.2670	.2883	.1708	.0093	.0575	.0252	.0376	.1744
105	PALM LENGTH	.1284	.2579	.0403	.0786	.2264	.1483	.1085	.2422	.2377	.1435	.0165	.0533	.0166	.0283	.1507
106	HAND BREADTH/META	.1598	.1924	.1188	.1411	.1233	.1697	.1598	.2418	.2292	.1190	.0938	.1121	.1065	.0852	.2117
107	HAND CIRC/META	.1613	.2076	.1213	.1316	.1356	.1949	.1757	.1935	.2614	.1606	.0612	.0908	.1177	.0828	.1811
108	HAND CIRC/THUMB	.1983	.2822	.1092	.1401	.1890	.2286	.2111	.2165	.2869	.1780	.0644	.0930	.1213	.0820	.2021
109	THICKNESS META/III	.0966	.1005	.1072	.0630	.0299	.1130	.1096	.1824	.1431	.0940	.0943	.0905	.0863	.0698	.1465
110	FINGER DIAM III	.1830	.1899	.1391	.1242	.1193	.1623	.1608	.1526	.2333	.1659	.0219	.0479	.0711	.0629	.1438
111	HEAD CIRCUMFERENCE	.2535	.2145	.1002	.1116	.1330	.2035	.1796	.2464	.3104	.1338	.2593	.3220	.3579	.3124	.4043
112	SAGITTAL ARC	.1458	.0741	.0785	.0259	.0391	.0982	.0921	.1717	.1871	.0336	.4036	.4240	.4327	.3847	.4309
113	MINIMUM FRONTL ARC	.2472	.1511	.1208	.0422	.0673	.1361	.1872	.1333	.1626	.0660	.0181	.0546	.0931	.0647	.1053
114	BIT-CORONAL ARC	.0908	.0266	.0274	.2123	-.0473	-.0462	.0175	.1743	.2462	.1190	.3853	.4026	.5073	.3976	.4529
115	BIT-MIN FRONTAL A	.2419	.1701	.1077	.1825	.0812	.1914	.1703	.2626	.3559	.2080	.1090	.1745	.2361	.2120	.3079
116	BIT-SUBNASALE ARC	.2405	.3595	.0121	.1981	.2128	.3410	.3017	.2199	.2634	.1843	.0720	.1360	.1459	.1181	.2519
117	BIT-MENTON ARC	.1590	.2789	.0774	.0894	.1534	.3815	.3176	.2490	.3247	.1326	.1340	.1886	.1958	.1606	.2634
118	BIT-SUBMANDIB ARC	.1205	.1699	.1454	.0388	.0962	.3127	.2622	.1701	.2564	.1486	.1105	.1486	.1664	.1415	.2272
119	BIT-POSTERIOR ARC	.1246	.1042	.2583	-.0238	.0720	.2497	.2535	.0995	.1737	.1301	.1173	.1111	.1637	.1039	.1645
120	HEAD LENGTH	.2260	.2126	.0615	.1126	.1648	.1520	.1137	.2696	.2935	.1118	.2256	.2968	.2797	.2892	.3777
121	MAX HEAD DIAG/MENT	.1842	.2495	.0742	.1777	.2030	.2268	.2016	.4516	.4848	.1842	.3519	.4132	.4382	.3813	.5418
122	MAX HEAD DIAG/NUCH	.1302	.1218	.1930	.1037	.0585	.1567	.1765	.2136	.3012	.2195	.2533	.1839	.2533	.1904	.2843
123	EAR LENGTH	-.0557	-.1262	.1680	.0294	-.1177	-.0210	.0496	.0700	.1567	.1851	-.0443	.0482	.0664	.1008	.1206
124	EAR LGTH ABOVE TRG	-.0570	-.0984	.1179	.0110	-.0751	-.0242	.0087	.0257	.1125	.1534	-.0078	-.0075	.0020	.0459	.0499
125	EAR BREADTH	.0331	-.0408	.1004	.0237	-.0586	-.0495	.0822	.1339	.1198	.1204	.0167	.0092	.0011	.0264	.0895
126	EAR PROTRUSION	-.0599	-.1303	.0584	.0194	-.1238	-.0755	-.0407	.0364	.0330	.0777	.0577	.0390	.0398	.0740	.0698
127	HEAD BREADTH	.1262	.0591	.1216	-.0103	-.0230	-.1537	.1563	.0465	.1347	.0925	.1370	.1596	.2405	.1721	.1877
128	AGE	-.0163	-.1713	.2251	-.0620	-.1832	-.0472	-.0700	-.0320	.0942	.1638	.0719	.0648	.1450	.1317	.0971
129	BITRAGION DIAMETER	.2129	-.1198	.2171	-.0977	.0487	.3028	.2703	.0534	.1432	.1445	.0214	.0449	.0867	.0663	.0950
130	BIZYGOMATIC DIAM	.2163	.1529	.1523	.0066	.0521	.2968	.2720	.1242	.2068	.1314	.0364	.0808	.1284	.0888	.1401
131	MAX FRONTAL DIAM	.3311	.2291	.1362	.0250	.1220	.3556	.3019	.1200	.1773	.1098	.0480	.0873	.1373	.0777	.1487
132	BIGONIAL DIAMETER	.1350	.0746	.1354	.0478	-.0132	.1945	.1950	.0949	.1693	.1144	.0897	.0649	.1046	.1109	.1563
133	BIOCULAR DIAMETER	.4143	.4724	.0161	.1594	.3804	.3718	.2835	.2174	.2089	.0623	.0119	.0649	.1046	.0273	.1642
134	INTERPUPILLARY DST	.5204	.4691	.0964	.0025	.4100	.4812	.3321	.1873	.1801	.0350	-.0093	.0429	.0529	.0055	.1236
135	INTEROCULAR DIAM	.6576	.4406	-.0339	.1141	.2908	.2858	.2031	.1735	.1418	-.0339	.0214	.0654	.0681	.0244	.1221

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
136 NASAL ROOT BREADTH															
137 NASAL BREADTH	.4291														
138 NOSE PROTRUSION	-0063	-1797													
139 PHILTRUM LENGTH	.0758	-1446	-1988												
140 LIP-LIP DISTANCE	.3147	.5755	-0857	.0228											
141 LIP LENGTH	.3075	.4571	-0883	-1229	.3615										
142 LIP LENGTH SMILING	.2314	.3222	.0908	-0870	.1966	.6280									
143 MENTON-SUBNASALE L	.1475	.2477	.0030	.3542	.4220	.0845	.0151								
144 MENTON-NASAL RT DP	.1048	.1443	.1909	.2682	.3062	.0580	.0255	.8134							
145 SUBNAS-NAS RT DPTH	-0427	-0409	.3648	-0623	-0076	-0102	.0183	.1117	.5181						
146 VERTEX-GLABELLA HT	.0471	-0082	-0052	-0072	-0519	-0623	.0838	.0044	-0483	-1009					
147 VERTEX-NASAL RT DP	.0562	.0840	-0542	-0219	-0239	.0924	.1068	.0671	.0023	.0023	.9043				
148 VERTEX-EXT CANT HT	.0730	.0395	.0318	.0453	-0021	.0775	.0978	.0897	.0949	.0033	.8460	.8619			
149 VERTEX-PRONASALE H	-0019	-0106	.0619	-0268	-0505	.0244	.0573	.0496	.1657	.2270	.8238	.8772	.8148		
150 VERTEX-STOMION HT	.1022	.1504	.0897	.1597	.1666	.1131	.1167	.3078	.3648	.2386	.7763	.8506	.8043	.8983	
151 VERTEX-MENTON HT	.1209	.1817	.0903	.2093	.2280	.1297	.1102	.5850	.6217	.2380	.6361	.7223	.6999	.7542	.8871
152 VERTEX-TRAGION HT	.0623	-0340	.1089	.0885	-0438	.0251	.0690	.1410	.2004	.0976	.5298	.5295	.7228	.5199	.5493
153 WALL-GLABELLA DIST	.2099	.2161	.0513	.1352	.1585	.1509	.1169	.2717	.3048	.1073	.2059	.2774	.2670	.2673	.3580
154 WALL-NAS RT DEP DT	.1973	.1666	.1042	.1303	.1342	.1257	.1004	.2702	.3359	.1779	.1405	.1785	.2039	.2032	.2969
155 WALL-EX CANT DIST	.1858	.2514	.0185	.1390	.2447	.1272	.1010	.2685	.2901	.1318	.0584	.1239	.1282	.1186	.2327
156 WALL-PRONASALE DST	.1561	.1806	.2220	.1214	.1576	.1608	.1368	.2531	.3456	-2824	-0680	-0494	.0318	-0154	.1137
157 WALL-STOMION DIST	.2440	-4247	-0473	.1677	.3984	.2817	.2037	.3040	.2911	-0945	-1543	-0982	-0509	-1688	-0178
158 WALL-MENTON DIST	.1182	.1600	.0167	.0237	.0052	.1928	.1584	-0696	-0125	.0176	-2129	-2139	-1325	-2820	-2291
159 WALL-TRAGION DIST	.1007	.1390	.0226	.0607	.1669	.0329	.0250	.1642	.1968	-0903	-0288	-0033	.0214	-0141	-0597
169 WEIGHT REPORTED	.1305	.1298	.1049	.1296	.0399	.1580	.1747	.1652	.2260	.1214	.0618	.0756	.1208	.0343	.1257
170 STATURE REPORTED	.0684	.0283	.1767	.0521	.0655	.0652	.0911	.1639	.2641	.2196	.0485	.0759	.0631	.0711	.1523

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	151	152	153	154	155	156	157	158	159	169	170
1 AGE	.0276	.0327	.0452	.0452	.0351	.0570	.0079	.0760	.0048	.1054	.0158
2 WEIGHT	.2031	.2255	.3555	.3693	.3168	.4211	.4019	.4960	.2167	.9826	.4874
3 SKF SUBSCAPULAR	.0424	.1256	.1916	.1973	.2030	.2349	.2571	.3635	.1520	.6691	.0890
4 SKF TRICEPS	.0349	.1335	.1604	.1664	.1385	.1754	.1540	.2562	.0912	.5763	.0558
5 SKF JUXTA NIPPLE	.0490	.1034	.1303	.1317	.0959	.1298	.1060	.1997	.0545	.4478	.0710
6 SKF MAL XIPHOID	-.0228	.1112	.1092	.1191	.1065	.1526	.1451	.3013	.0732	.6667	.0596
7 SKF SUPRA ILIAC	.0075	.1543	.1489	.1632	.1408	.1798	.1294	.2961	.1048	.6452	.0753
8 SKF DORSAL HAND	.0768	.1096	.1356	.1325	.1157	.1362	.1072	.1467	.0692	.3540	.0839
9 GRIP STRENGTH	.1730	.0533	.2195	.2199	.2162	.2431	.2493	.2312	.1305	.4191	.3371
10 HEIGHT (STATURE)	.2229	.2061	.2702	.2929	.2340	.3439	.2862	.3115	.2018	.4771	.9440
11 CERVICALE HEIGHT	.1702	.1465	.2520	.2768	.2198	.3360	.2926	.3262	.1931	.4813	.9329
12 SHOULDER(ACROM) HT	.1553	.1302	.2421	.2709	.2121	.3344	.2859	.3257	.1899	.4848	.9132
13 ELBOW (RADIALE) HT	.1423	.1417	.2331	.2628	.2023	.3183	.2610	.3113	.1836	.4815	.8773
14 WRIST (STYLION) HT	.1071	.1498	.2009	.2347	.1658	.2776	.1903	.2778	.1531	.4384	.7934
15 DACTYLION HEIGHT	.0687	.1498	.1615	.1975	.1288	.2398	.1401	.2502	.1401	.4033	.7301
16 SUPRASTERNALE HT	.1866	.1361	.2604	.2804	.2371	.3348	.3080	.3099	.2011	.4844	.9238
17 CHEST (NIPPLE) HT	.1710	.1018	.2315	.2513	.2121	.2988	.2784	.2574	.1863	.3728	.8931
18 WAIST HEIGHT (OMP)	.1590	.0937	.2222	.2407	.2144	.2907	.2930	.2640	.1924	.3480	.8638
19 ILIOCRISTALE	.1562	.0844	.2283	.2473	.2221	.3060	.3083	.2847	.1907	.3991	.8446
20 TROCHANTERIC HT	.1600	.0682	.2246	.2384	.2228	.2931	.3234	.2666	.1879	.3607	.8154
21 BUTTOCK HEIGHT	.1267	.0385	.2080	.2218	.2158	.2778	.3338	.2731	.1857	.3503	.7934
22 CROTCH HEIGHT	.1296	.0374	.2053	.2183	.2102	.2749	.3186	.2618	.1836	.3172	.8136
23 GLUTEAL FURROW HT	.1268	.0309	.1971	.2100	.2108	.2669	.3194	.2527	.1881	.3096	.8060
24 PATELLA TOP HEIGHT	.1565	.0700	.2249	.2396	.2218	.2997	.3233	.2741	.1863	.3713	.8075
25 PATELLA BOTTOM HT	.1443	.0650	.2142	.2296	.2233	.2929	.3173	.2670	.1869	.3649	.7936
26 CALF HEIGHT	.1332	.0571	.2184	.2297	.2277	.2704	.3189	.2711	.1981	.3292	.6873
27 ANKLE HEIGHT	.1424	.0218	.0848	.0855	.0928	.1220	.1235	.0592	.0588	.1396	.3210
28 MED"L MALLEOLUS HT	.1078	.1567	.1480	.1726	.0745	.1789	.0479	.1550	.0534	.2754	.4392
29 LAT"L MALLEOLUS HT	.0401	.0935	.0845	.1192	.0695	.1373	.0530	.1448	.0430	.1929	.3966
30 SPHYRION HEIGHT	.1129	.1166	.1057	.1242	.0613	.1305	.0232	.0716	.0360	.1433	.3445
31 SITTING HEIGHT	.2297	.3153	.2299	.2588	.1536	.2810	.1049	.2291	.1296	.4102	.6982
32 EYE HEIGHT SITTING	.1583	.2150	.1874	.2197	.1229	.2517	.0835	.2058	.1071	.3802	.6773
33 MID SHOULDER HT/S	.1227	.1998	.1876	.2240	.1157	.2642	.1040	.2621	.1074	.4348	.6563
34 ELBOW REST HT SIT	.0134	.1508	.0479	.0792	-.0124	.0852	-.0837	.0892	.0041	.1805	.1873
35 KNEE HEIGHT SIT	.1974	.1137	.2728	.2848	.2573	.3455	.3708	.3356	.2041	.5271	.8373
36 POPLITEAL HT/SIT	.1574	.0522	.2137	.2240	.2744	.3142	.3142	.2407	.1777	.2951	.7856
37 BUTTOCK KNEE LNGTH	.1575	.0981	.2791	.2904	.2807	.3604	.4135	.3992	.2261	.6577	.7391
38 BUTTOCK POP LENGTH	.1352	.0669	.2554	.2611	.2631	.3228	.3894	.3618	.2119	.5814	.6788
39 SHOULDER-ELBOW LTH	.1412	.0661	.2128	.2309	.1892	.2895	.2718	.2792	.1629	.3895	.7596
40 ELBOW WRIST LENGTH	.2082	.0447	.2609	.2580	.2414	.3052	.3740	.2948	.1843	.4093	.6852
41 FUNCTIONAL REACH	.1552	.0726	.2097	.2191	.1931	.2572	.2952	.2765	.1455	.3937	.6502
42 SLEEVE INSEAM	.1115	.0101	.1594	.1688	.1805	.2365	.2707	.2100	.1605	.2106	.7044
43 BIACROMIAL BREADTH	.2048	.1255	.2050	.2026	.1696	.2365	.2378	.2519	.0988	.4722	.4089
44 BIDELTOID BREADTH	.2142	.1794	.2878	.2872	.2303	.3253	.3157	.3995	.1378	.8021	.3417
45 CHEST BREADTH/SKIN	.1357	.1781	.2426	.2579	.2001	.2952	.2452	.3776	.1240	.7868	.2868

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

	151	152	153	154	155	156	157	158	159	169	170
46 CHEST BREADTH/BONE	.1511	.1641	.2289	.2439	.1816	.2744	.2192	.3177	.1146	.6791	.2758
47 WAIST BROTH (OMP)	.0727	.1894	.2224	.2486	.1871	.2973	.2117	.3982	.1178	.8409	.3149
48 BI-ILIOCRISTALE	.0709	.1996	.2251	.2508	.1894	.2969	.2086	.4017	.1254	.8354	.3163
49 HIP BREADTH	.1123	.1935	.2308	.2592	.1932	.3144	.2372	.3975	.1258	.8388	.4195
50 HIP BREADTH SIT	.1112	.2103	.2497	.2701	.2041	.3187	.2434	.4062	.1347	.8605	.3702
51 BITROCHANTERC/BONE	.1281	.2034	.2162	.2491	.1726	.3043	.1998	.3600	.1104	.7366	.5234
52 ELBOW BREADTH	.1386	.1285	.2345	.2235	.1820	.2722	.2590	.3617	.1731	.5079	.3551
53 MAX F"ARM-F"ARM BR	.1073	.1447	.2290	.2332	.1695	.2480	.2157	.3349	.1081	.6916	.1517
54 WRIST BREADTH	.1781	.1255	.1957	.2142	.1693	.2391	.2154	.2172	.0909	.4085	.3922
55 KNEE BREADTH	.2169	.2006	.2684	.2788	.2044	.3247	.2697	.3338	.1301	.6403	.4799
56 KNEE-KNEE BR SIT	.1520	.1748	.2452	.2464	.2128	.2763	.2666	.3308	.1471	.7415	.2690
57 CHEST DEPTH	.0709	.1315	.2405	.2587	.2233	.3127	.2919	.4241	.1678	.7967	.2214
58 WAIST DEPTH (OMP)	.1208	.1605	.2453	.2506	.2157	.2868	.2774	.3842	.1361	.8246	.2218
59 ABDOMINAL DPTH/SIT	.0947	.1666	.2315	.2422	.2011	.2857	.2528	.3839	.1390	.8062	.2488
60 BUTTOCK DEPTH	.1349	.1658	.2830	.2851	.2582	.3140	.3242	.4039	.1714	.8549	.2443
61 THIGH CLEAR HT SIT	.1358	.1542	.2467	.2491	.2222	.2867	.3138	.3576	.1716	.8027	.2627
62 NECK CIRC MAXIMUM	.2222	.2451	.3164	.3225	.2584	.3484	.3458	.4310	.1431	.7475	.1973
63 SHOULDER CIRC	.1880	.1753	.2961	.3025	.2624	.3494	.3439	.4276	.1655	.8501	.3374
64 CHEST CIRCUMF"ENCE	.1168	.1488	.2606	.2743	.2295	.3211	.2910	.4253	.1545	.8452	.2757
65 WAIST CIRC (OMPH)	.0880	.1837	.2373	.2551	.1990	.3010	.2429	.4066	.1638	.8685	.2819
66 BUTTOCK CIRC	.1317	.2049	.2802	.2959	.2446	.3468	.3021	.4386	.1637	.9207	.3723
67 BUTTOCK CIRC/SIT	.1124	.1912	.2651	.2853	.2360	.3302	.2795	.4213	.1586	.8906	.3361
68 VERTICAL TRUNK CIR	.1731	.2304	.2924	.3203	.2292	.3695	.2714	.4249	.1714	.8120	.6303
69 VERT TRUNK CIR SIT	.1620	.2197	.2712	.3021	.2129	.3538	.2425	.3990	.1702	.7482	.6401
70 UPPER THIGH CIRC	.1243	.1650	.2672	.2715	.2476	.3114	.3236	.4042	.1685	.8959	.2308
71 THIGH CIRC SITTING	.1176	.1598	.2629	.2681	.2406	.3075	.3161	.4055	.1598	.8976	.2462
72 LOWER THIGH CIRC	.1532	.1784	.2614	.2643	.2369	.3098	.3268	.3824	.1507	.8592	.2666
73 KNEE CIRCUMFERENCE	.1812	.2063	.2953	.3107	.2756	.3723	.3518	.4273	.1843	.8577	.4827
74 KNEE CIRC SITTING	.1814	.1937	.3087	.3181	.2786	.3686	.3665	.4276	.1900	.8613	.4532
75 CALF CIRCUMFERENCE	.1835	.2193	.2725	.2835	.2472	.3222	.3035	.3686	.1577	.8484	.2896
76 ANKLE CIRCUMF"ENCE	.1852	.2155	.2677	.2880	.2214	.3226	.2764	.3465	.1419	.7230	.4020
77 SCYE CIRCUMFERENCE	.1708	.1524	.2901	.3018	.2305	.3396	.3190	.4144	.1475	.8260	.3742
78 BICEPS CIRC EXT	.1492	.1657	.2730	.2752	.2432	.2923	.3087	.3756	.1479	.8305	.1606
79 BICEPS CIRC FLEXED	.1553	.1490	.2683	.2720	.2387	.2870	.3045	.3633	.1441	.7947	.1632
80 ELBOW CIRC EXT	.2175	.1670	.3198	.3249	.2913	.3531	.3723	.4145	.1841	.8119	.3662
81 ELBOW CIRC FLEXED	.1844	.1026	.2604	.2708	.2227	.2857	.2797	.2917	.1361	.5807	.3754
82 FOREARM CIRC EXT	.2308	.1676	.3326	.3351	.3053	.3640	.3759	.4037	.1852	.8191	.3129
83 FOREARM CIR FLEXED	.2100	.1421	.3015	.3040	.2677	.3211	.3281	.3556	.1546	.7567	.2693
84 WRIST CIRCUMF"ENCE	.2456	.1766	.3206	.3347	.2788	.3576	.3561	.3638	.1748	.6600	.4662
85 SL SPINE/SCYE	.1467	.0969	.1970	.2034	.1417	.2235	.1916	.2542	.0899	.5465	.2846
86 SL SPINE-ELBOW	.1740	.1321	.2622	.2771	.2242	.3275	.2901	.3524	.1685	.6128	.6876
87 SL SPINE-WRIST	.2003	.1113	.2893	.2994	.2656	.3567	.3544	.3678	.1917	.5886	.7505
88 ANTERIOR NECK LGTH	-.0579	.0458	-.0255	.0072	-.0428	-.0287	-.0685	-.0016	.0245	-.1038	.3322
89 POSTERIOR NECK LTH	.0803	.0520	.0331	.0429	.0579	.0394	.0012	-.0083	.0328	-.0409	.2458
90 SHOULDER LENGTH	.0830	.0742	.1157	.1193	.1007	.1305	.1200	.1371	.0859	.1720	.3355

TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		151	152	153	154	155	156	157	158	159	169	170
91	DELTOID ARC	.1357	.0257	.1359	.1453	.1106	.1909	.1695	.1601	.0975	.2166	.4968
92	INTERSCYE	.1485	.1322	.2032	.2004	.1534	.2189	.2131	.2682	.0963	.5484	.2251
93	INTERSCYE MAXIMUM	.1472	.1409	.2252	.2404	.1743	.2673	.2134	.2989	.1048	.6465	.3281
94	WAIST FRONT	.1431	.1537	.2134	.2205	.1739	.2511	.1842	.2533	.1185	.5697	.4297
95	CROTCH LENGTH	.1660	.2160	.2691	.2828	.2287	.3041	.2523	.3552	.1623	.7613	.3893
96	WAIST BACK	.0833	.1922	.1618	.2000	.1167	.2559	.1201	.2855	.1136	.4350	.6064
97	FOOT LENGTH	.2365	.1064	.2763	.2949	.2731	.3621	.3780	.3176	.1981	.4729	.6699
98	BALL-OF-FOOT LNGTH	.1965	.0664	.2399	.2558	.2511	.3205	.3535	.2957	.1803	.4498	.5964
99	BALL-OF-FOOT BRDTH	.2609	.1551	.3124	.3139	.2777	.3448	.3431	.3146	.1744	.5524	.4425
100	BI-MALLEOLAR BRDTH	.2328	.1590	.2631	.2698	.2079	.3053	.2799	.2667	.1550	.5039	.4895
101	BALL-OF-FOOT GIRTH	.2888	.1914	.3271	.3357	.2895	.3648	.3560	.3315	.1813	.6081	.5003
102	INSTEP CIRCUMF"NCE	.2996	.1935	.3426	.3405	.3097	.3790	.4029	.3494	.2066	.6329	.5305
103	HEEL-ANKLE CIRCUMF	.2818	.1691	.3604	.3681	.3419	.4242	.4478	.3914	.2421	.6630	.6435
104	HAND LENGTH	.2337	.0599	.2444	.2549	.2378	.2929	.3247	.2223	.1403	.3521	.6050
105	PALM LENGTH	.1941	.0367	.1971	.2067	.2009	.2440	.2580	.1732	.1095	.2949	.5216
106	HAND BREADTH/META	.2517	.1080	.2628	.2774	.2253	.2756	.2529	.2063	.0863	.4764	.3894
107	HAND CIRC/META	.2435	.1358	.2971	.3044	.2602	.3294	.3185	.3061	.1556	.5284	.4393
108	HAND CIRC/THUMB	.2700	.1503	.3305	.3358	.3012	.3529	.3730	.3364	.1814	.6103	.4494
109	THICKNESS META/III	.1805	.0833	.1657	.1872	.1494	.2906	.1434	.1234	.0308	.3720	.2554
110	FINGER DIAM III	.2005	.0994	.2594	.2625	.2304	.2906	.2708	.2711	.1401	.4499	.3663
111	HEAD CIRCUMFERENCE	.4574	.4253	.8028	.7820	.7137	.6844	.6031	.4881	.5152	.4374	.2727
112	SAGITTAL ARC	.4641	.4973	.6133	.5924	.5258	.4974	.4167	.3088	.4601	.1719	.2367
113	MINIMUM FRONTL ARC	.1561	.1119	.2101	.1957	.1199	.1835	.1621	.1288	.0332	.2120	.1108
114	BIT-CORONAL ARC	.4705	.7456	.3160	.3081	.2511	.2799	.2103	.2200	.1525	.3540	.2791
115	BIT-MIN FRONTAL A	.3610	.4098	.5384	.5168	.4035	.4729	.3998	.3428	.0984	.4667	.3302
116	BIT-SUBNASALE ARC	.2965	.1101	.4548	.4491	.3926	.5108	.5417	.4380	.0790	.5362	.2845
117	BIT-MENTON ARC	.3871	.0933	.3894	.3744	.3236	.4083	.4517	.4943	.0942	.5771	.3166
118	BIT-SUBMANDIB ARC	.2940	.0787	.2915	.2870	.2474	.3265	.3290	.3971	.0802	.5991	.3045
119	BIT-POSTERIOR ARC	.2072	.1684	.3511	.3669	.3488	.3982	.3348	.3836	.3168	.5568	.2255
120	HEAD LENGTH	.4295	.2965	.9608	.9366	.8397	.7985	.6965	.4856	.6534	.3046	.2741
121	MAX HEAD DIAG/MENT	.6775	.4713	.5885	.5813	.5251	.5519	.5453	.4436	.3555	.4528	.3816
122	MAX HEAD DIAG/NUCH	.3384	.3509	.5612	.5975	.5047	.6419	.5335	.4943	.3493	.5709	.3309
123	EAR LENGTH	.1318	.1394	.1512	.1797	.1096	.2176	.1043	.1736	.0583	.3018	.2296
124	EAR LGTH ABOVE TRG	.0679	.0131	.0914	.1067	.0482	.1560	.0640	.1029	.0293	.1489	.1538
125	EAR BREADTH	.1004	-.0071	.1180	.1550	.1157	.1877	.1372	.0935	.0451	.1688	.1401
126	EAR PROTRUSION	.0502	-.0893	-.0344	-.0134	-.0492	-.0363	-.1026	-.0637	-.0501	.0733	.0746
127	HEAD BREADTH	.2033	.3522	.1126	.1040	.0894	.1042	.0732	.1681	-.0050	.3357	.1004
128	AGE	.0960	.2090	.0472	.0666	.0137	.0829	-.0457	.1140	-.0011	.2623	.1678
129	BITRAGION DIAMETER	.1246	.0992	.1633	.1518	.0874	.1580	.1233	.2192	-.0170	.3998	.1943
130	BIZYGOMATIC DIAM	.1901	.1952	.1518	.1633	.1158	.1838	.1696	.2534	-.0362	.5096	.2015
131	MAX FRONTAL DIAM	.1812	.1987	.1860	.1751	.1364	.2033	.2162	.2369	.0073	.3990	.2152
132	BIGONIAL DIAMETER	.1904	.1703	.1771	.1805	.1374	.1329	.1436	.2148	.0526	.4441	.2173
133	BIOCULAR DIAMETER	.1956	.1217	.2556	.2386	.2381	.2595	.3501	.2313	.0749	.3039	.1582
134	INTERPUPILLARY DST	.1532	.0735	.2279	.1990	.1986	.2077	.3048	.1824	.0652	.2171	.1354
135	INTEROCULAR DIAM	.1493	.0783	.2265	.2013	.1695	.1582	.2532	.1228	.0505	.1480	.0634

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TABLE VII (continued)

CORRELATION COEFFICIENTS FOR USAF MALE BASIC TRAINEES--1965

		151	152	153	154	155	156	157	158	159	169	170
136	NASAL ROOT BREADTH	.1209	.0623	.2099	.1973	.1858	.1561	.2440	.1182	.1007	.1305	.0684
137	NASAL BREADTH	.1817	-.0340	.2161	.1666	.2514	.1806	.4247	.1600	.1390	.1298	.0283
138	NOSE PROTRUSION	.0903	.1089	.0513	.1042	.0185	.2220	-.0473	.0167	.0226	.1049	.1767
139	PHILTRUM LENGTH	.2093	.0885	.1352	.1303	.1390	.1214	.1677	.0237	.0607	.1296	.0521
140	LIP-LIP DISTANCE	.2280	-.0438	.1585	.1342	.2447	.1576	.3984	.0052	.1669	.0399	.0655
141	LIP LENGTH	.1297	.0251	.1509	.1257	.1272	.1608	.2817	.1928	.0329	.1580	.0652
142	LIP LENGTH SMILING	.1102	.0690	.1169	.1004	.1010	.1368	.2037	.1584	.0250	.1747	.0911
143	MENTON-SUBNASALE L	.5850	.1410	.2717	.2702	.2685	.2531	.3040	-.0696	.1642	.1652	.1639
144	MENTON-NASAL RT DP	.6217	.2004	.3048	.3359	.2901	.3456	.2911	.0126	.1968	.2260	.2641
145	SUBNAS-NAS RT DPTH	.2380	.0976	.1073	.1779	.1318	.2824	.0945	.0175	.0903	.1214	.2196
146	VERTEX-GLABELLA HT	.6361	.5298	.2059	.1405	.0584	-.0680	-.1543	-.2129	-.0288	.0618	.0485
147	VERTEX-NASAL RT DP	.7223	.5295	.2774	.1785	.1239	-.0494	-.0982	-.2139	-.0033	.0756	.0759
148	VERTEX-EXT CANT HT	.6999	.7228	.2670	.2039	.1282	-.0318	-.0509	-.1325	-.0214	.1208	.0631
149	VERTEX-PRONASALE H	.7542	.5199	.2673	.2032	.1186	-.0154	-.1688	-.2820	-.0141	-.0343	.0711
150	VERTEX-STOMION HT	.8871	.5493	.3580	.2969	.2327	.1137	.0178	-.2291	.0597	.1257	.1523
151	VERTEX-MENTON HT		.5286	.4224	.3719	.3034	.2185	.1509	-.1304	.1390	.1988	.2094
152	VERTEX-TRAGION HT	.5286		.2955	.2833	.2223	.2308	.1318	.1188	.1740	.2201	.1927
153	WALL-GLABELLA DIST	.4224	.2955		.9615	.8638	.8267	.7334	.5360	.6877	.3510	.2833
154	WALL-NAS RT DEP DT	.3719	.2833	.9615		.8628	.8808	.7563	.5748	.7025	.3636	.3085
155	WALL-EX CANT DIST	.3034	.2223	.8638	.8628		.8061	.7725	.5671	.8255	.3120	.2436
156	WALL-PRONASALE DST	.2135	.2308	.8267	.8808	.8061		.8630	.7186	.6962	.4160	.3577
157	WALL-STOMION DIST	.1509	.1318	.7334	.7563	.7725	.8630		.7671	.6701	.3970	.2897
158	WALL-MENTON DIST	-.1304	.1188	.5360	.5748	.5671	.7186	.7571		.5409	.4876	.3266
159	WALL-TRAGION DIST	.1390	.1740	.6877	.7025	.8255	.6962	.6701	.5409		.2149	.2084
169	WEIGHT REPORTED	.1988	.2201	.3510	.3636	.3120	.4160	.3970	.4876	.2149		.4954
170	STATURE REPORTED	.2094	.1927	.2833	.3085	.2436	.3577	.2897	.3266	.2084	.4954	

Section VIII

THE CORRELATIONS--ARMY WOMEN SEP \TEES--1946

In 1946, at the close of World War II, the U. S. Army collected anthro-
pometric data on somewhat more than 8,000 members of the Women's Army Corps
and the Army Nurse Corps. A total of 64 measurements were made on each
woman; statistics for 51 of them were reported in Randall and Munro (1949).
The original sample consisted of 4302 enlisted WAC's, 467 WAC officers,
and 3489 Army nurses. The data, usually recorded in centimeter units,
were originally punched in an unconventional fashion, using up to four
punches per column. As part of the development of the AMRL data bank,
these cards were transferred onto magnetic tape and were then edited by
the Anthropology Research Project. The data used here consisted of the
8118 edited records for which the data were complete. In the transfer of
the data to tape, technical difficulties resulted in the loss of some of
the data relating to the measurements of the feet; the five foot measure-
ments have, therefore, been deleted from this study. Descriptions of the
measuring techniques are given in Randall's 1949 report. The punched data
were made available to the Aerospace Medical Research Laboratory by Robert
M. White of the Army's Natick Laboratories.

The age range of the sample was from 18 to well over 50, with roughly
half the subjects between 22 and 26. The nurses and enlisted WAC's, accord-
ing to Randall, had mean ages of slightly over 26 years, the commissioned
WAC's averaged 31 years. Educational background was given as 3% grade school,
37% high school, 39% special training, 17% college, and 3% post graduate or
professional training.

Correlations for age and 59 body size measurements appear in
Table VIII.

TABLE VIII

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

#	Measurement	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	WEIGHT															
2	STATURE	.4015														
3	CERVICALE HEIGHT	.4175	.9742													
4	SHOULDER HEIGHT	.4245	.9590	.9668												
5	WAIST HEIGHT	.4288	.9261	.9380	.9331											
6	CROTCH HEIGHT	.2069	.8214	.8341	.8198	.8573										
7	HIP HEIGHT	.3332	.7989	.8036	.8034	.8363	.7723									
8	DACTYLION HEIGHT	.3597	.7552	.7538	.7949	.7723	.5714	.5729								
9	SITTING HEIGHT	.3113	.7334	.5873	.5617	.4673	.4299	.4401	.6174							
10	TRUNK HEIGHT, SIT	.3535	.5906	.5539	.6488	.6617	.3078	.3590	.5626	.7854						
11	SHOULDER ELBOW LEN	.3212	.6432	.6589	.6705	.6829	.6185	.5798	.3456	.4149	.2737					
12	ELBOW-FINGERTIP	.3677	.6739	.6822	.7941	.8192	.6432	.5997	.3693	.4384	.3138	.6904				
13	KNEE HEIGHT, SITNG	.4387	.7916	.8049	.7031	.7399	.7623	.7023	.5642	.4732	.3797	.6239	.6754			
14	BUTTOCK-KNEE LNGTH	.6438	.6847	.7064	.2535	.2678	.6180	.6265	.5336	.3347	.5401	.5401	.5493	.6748		
15	CHEST DEPTH	.6408	.2319	.2510	.1700	.2044	.1603	.2043	.2082	.1561	.2761	.2128	.2296	.2871	.4180	
16	TRUNK DEPTH	.7918	.1283	.1619	.2475	.2180	.0336	.1455	.1576	.0705	.2055	.1917	.1915	.2230	.4715	.5950
17	CHEST BREADTH	.5779	.2094	.2039	.2409	.2367	.0812	.2222	.1778	.1246	.1149	.1707	.1923	.1868	.3366	.3294
18	BI-ILIAC BREADTH	.3903	.2309	.2277	.2002	.2513	.1172	.1991	.2223	.1373	.1782	.0950	.1080	.1578	.2863	.2772
19	SHOULDER BREADTH	.7993	.2225	.2386	.1427	.2259	.0830	.1885	.1979	.1643	.2107	.2221	.2545	.2728	.4558	.5097
20	NIPPLE-NIPPLE BRTH	.4307	.1803	.1899	.2155	.1635	.1514	.2155	.1363	.0881	.2100	.2320	.2477	.2286	.3058	.3501
21	ELBOW-ELBOW BRIDTH	.7833	.1046	.1301	.1943	.2349	.0027	.1217	.1373	.0448	.1136	.1416	.1774	.1978	.4094	.5513
22	HIP BREADTH, SITNG	.7535	.2017	.2165	.2084	.2240	.0489	.1459	.2287	.2407	.1166	.2212	.2389	.2761	.4556	.4625
23	NECK CIRCUMFERENCE	.6401	.2142	.2265	.2169	.2038	.0955	.1738	.1733	.1983	.2645	.2056	.2366	.2460	.3453	.4694
24	BUST CIRCUMFERENCE	.8266	.1511	.1719	.3028	.2009	.0493	.1573	.1889	.0982	.1903	.1637	.1926	.2332	.4469	.6294
25	CHEST C/BELOW BUST	.8002	.1631	.1852	.3182	.2385	.0538	.1485	.2027	.1294	.1850	.1831	.2122	.2514	.4364	.6148
26	WAIST CIRCUMFERNCE	.8410	.1725	.2064		.3274	.0642	.1802	.1930	.1197	.1965	.2039	.2224	.2651	.4694	.6066
27	HALFWAY TO HIP CIR	.8485	.2683	.2920		.3306	.1346	.2751	.2682	.1746	.1755	.2486	.2653	.3227	.5407	.5780
28	HIP CIRCUMFERENCE	.8957	.2930	.3079			.0988	.2570	.3021	.2210	.2368	.2254	.2703	.3326	.5787	.5519
29	VERTICAL TRUNK CIR	.7747	.5210	.5272	.5451	.4645	.2151	.3487	.5412	.5485	.5469	.3215	.3499	.4172	.5435	.5031
30	ARM SCYE CIRCUMFER	.6598	.2267	.2539	.2614	.2605	.1310	.1684	.1966	.2082	.2070	.2746	.2679	.2996	.4103	.4809
31	BICEPS CIR/RELAXED	.8175	.0631	.0874	.0936	.1127	-.0555	.0688	.1041	.0709	.1477	.1118	.1598	.1790	.3946	.5543
32	FOREARM C/RELAXED	.7723	.1825	.2003	.1984	.1984	.0650	.1539	.1618	.1650	.1477	.1949	.2654	.2724	.4108	.5323
33	WRIST CIRCUMFERNCE	.5834	.3047	.3153	.3014	.2949	.1714	.2233	.1984	.2930	.1650	.2635	.3565	.3190	.3512	.4198
34	UPPER THIGH CIRCUM	.8373	.1455	.1649	.1722	.1794	-.0386	.1276	.1942	.1436	.2590	.1253	.1693	.2195	.4596	.5020
35	MID-THIGH CIRCUMF	.7268	.1130	.1368	.1335	.1414	-.0191	.0921	.1497	.1483	.2123	.1200	.1734	.1970	.3830	.4477
36	SHOULDER LENGTH	.1907	.2881	.2988	.2251	.2721	.2427	.2173	.1182	.2315	.1652	.2343	.2716	.2620	.2179	.0981
37	CERVICALE-LAT NECK	.3677	.1143	.0988	.0831	.0988	.0472	.0478	.0692	.1016	.1456	.0637	.0715	.1214	.1614	.1481
38	INTERSCYE	.4953	.1640	.1588	.1462	.1678	.0589	.1587	.1075	.0720	.1234	.1220	.1358	.1681	.2932	.3210
39	WAIST BACK LENGTH	.2334	.5691	.6096	.5516	.4172	.3716	.3549	.4757	.5466	.1348	.3394	.3598	.3885	.3120	.1650
40	WAIST FRONT LENGTH	.3194	.4051	.3775	.3796	.2806	.2355	.2468	.3705	.4298	.4170	.2095	.2500	.2890	.2783	.2439
41	STRAP LENGTH	.6964	.1838	.1938	.1980	.1947	.0637	.1570	.1802	.1458	.4542	.1623	.1828	.2127	.3838	.5064
42	LATERAL NECK-WAIST	.5195	.4164	.4094	.4281	.3417	.2272	.2827	.4121	.4246	.1951	.2602	.1575	.3189	.3739	.3704
43	AXILLA TO WAIST PT	-.0092	.2920	.2872	.3026	.1612	.1795	.1746	.3048	.3164	.4277	.1216	.1781	.1497	.0695	-.0386
44	CROTCH LENGTH	.6925	.2376	.2486	.2571	.2730	.0100	.1641	.2751	.2864	.2515	.1562		.2347	.4238	.4464
45	HEAD CIRCUMFERENCE	.3802	.2721	.2564	.2498	.2470	.1839	.1959	.1845	.2451	.1914	.2220	.2645	.2717	.2844	.2667

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46 HEAD LENGTH	.2584	.2926	.2665	.2667	.2588	.2058	.2146	.2003	.2372	.1775	.1990	.2371	.2475	.2447	.1674
47 CANTHUS-OTOBASION	.1950	.1420	.1432	.1350	.1338	.1137	.0980	.0833	.1406	.0976	.1017	.1668	.1467	.1467	.1259
48 HEAD BREADTH	.2231	.0986	.0874	.0875	.0834	.0356	.0399	.0613	.1159	.1202	.0812	.0883	.0895	.1202	.1578
49 HEAD HEIGHT	.1967	.1868	.1734	.1585	.1504	.1311	.1120	.1260	.1995	.1355	.1036	.1566	.1872	.1576	.1220
50 FACE LENGTH	.1753	.2161	.1962	.1919	.1788	.1463	.1802	.1209	.1627	.1319	.1473	.1847	.1698	.1604	.1160
51 MINIMUM FRONTAL BR	.1952	.1550	.1624	.1589	.1585	.1334	.0332	.0982	.1808	.1216	.1240	.1593	.1939	.1832	.1368
52 FACE BREADTH	.3952	.1919	.2002	.1924	.1912	.1185	.1242	.1298	.1775	.1715	.1800	.1928	.2043	.2498	.2684
53 BIOCULAR BREADTH	.2021	.1757	.1841	.1655	.1796	.1758	.1359	.0844	.1356	.0703	.1915	.2079	.2370	.2067	.1500
54 INTEROCULAR BREDTH	.1399	.0938	.1015	.0910	.0934	.1026	.0554	.0499	.0849	.0596	.0999	.1447	.1494	.1203	.1060
55 NOSE LENGTH	.0274	.0908	.0779	.0732	.0661	.0599	.0956	.0338	.0659	.0550	.0603	.0836	.0570	.0367	.0337
56 NASAL ROOT BREADTH	.1041	.0526	.0645	.0504	.0584	.0808	.0489	.0083	.0399	.0069	.0645	.1329	.1054	.0798	.0630
57 NOSE BREADTH	.1870	.0585	.0622	.0580	.0756	.0528	.0725	-.0020	-.0038	-.0066	.0775	.1279	.1033	.1220	.1295
58 HAND LENGTH	.3164	.6535	.6525	.6401	.6414	.5898	.5311	.3218	.4318	.3267	.4979	.6675	.6098	.4861	.2128
59 HAND BREADTH	.3321	.2876	.2925	.2797	.2640	.2329	.1972	.1712	.2603	.2053	.2436	.3445	.3065	.2655	.2457
65 AGE	.0465	-.0417	-.0339	-.0264	-.0455	-.0465	-.0449	.0121	-.0015	.0502	.0001	-.0216	-.0337	.0068	.1504

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	WEIGHT	.7918	.5759	.3903	.7993	.4307	.7833	.7535	.6401	.8265	.8002	.8410	.8485	.8957	.7747	.6598
2	STATURE	.1283	.2094	.2309	.2225	.1803	.1046	.2017	.2142	.1511	.1631	.1725	.2683	.2930	.5210	.2267
3	CERVICALE HEIGHT	.1619	.2039	.2277	.2386	.1899	.1301	.2216	.2265	.1719	.1852	.2064	.2920	.3079	.5272	.2539
4	SHOULDER HEIGHT	.1700	.2176	.2475	.2409	.2002	.1427	.2261	.2155	.1943	.2084	.2169	.3028	.3182	.5451	.2614
5	WAIST HEIGHT	.2044	.2180	.2367	.2513	.2259	.1635	.2349	.2240	.2038	.2009	.2385	.3274	.3306	.4645	.2605
6	CROTCH HEIGHT	.0336	.0812	.1172	.0830	.1514	.0027	.0489	.0955	.0493	.0638	.0642	.1346	.0988	.2151	.1310
7	HIP HEIGHT	.1455	.2222	.1991	.1885	.2155	.1217	.1459	.1738	.1573	.1485	.1802	.2570	.2570	.3487	.1684
8	DACTYLION HEIGHT	.1576	.1778	.2223	.1979	.1363	.1373	.2287	.1733	.1889	.2027	.1930	.2682	.3021	.5412	.1966
9	SITTING HEIGHT	.0705	.1246	.1373	.1643	.0881	.0448	.2407	.1983	.0982	.1294	.1197	.1746	.2210	.5486	.2082
10	TRUNK HEIGHT, SIT	.1149	.1782	.2107	.2100	.1136	.1166	.2645	.1903	.1850	.1965	.1755	.2368	.2937	.5469	.2070
11	SHOULDER ELBOW LEN	.1917	.1707	.0950	.2545	.2320	.1416	.2212	.2056	.1637	.1831	.2039	.2486	.2254	.3215	.2746
12	ELBOW-FINGERTIP	.1915	.1923	.1080	.2545	.2477	.1774	.2389	.2366	.1926	.2122	.2224	.2653	.2703	.3499	.2679
13	KNEE HEIGHT, SITNG	.2230	.1868	.1578	.2728	.2286	.1978	.2761	.2460	.2332	.2514	.2651	.3227	.3326	.4172	.2996
14	BUTTOCK-KNEE LNGTH	.4715	.3366	.2863	.4558	.3058	.4094	.4556	.3453	.4469	.4364	.4694	.5407	.5787	.5435	.4103
15	CHEST DEPTH	.5950	.3294	.2772	.5097	.3501	.5513	.4625	.4694	.6294	.6148	.6066	.5780	.5519	.5031	.4809
16	TRUNK DEPTH		.4616	.3221	.6979	.3893	.7271	.6298	.5416	.7630	.7305	.8496	.7752	.7182	.5926	.5891
17	CHEST BREADTH	.4616		.3508	.5974	.3303	.5258	.3447	.4186	.5667	.5398	.5233	.5404	.5270	.4214	.3347
18	BI-ILIAC BREADTH	.3221	.3508		.3349	.1972	.3178	.3447	.2335	.3317	.2829	.3516	.4028	.3258	.1655	.2509
19	SHOULDER BREADTH	.6979	.5974	.3349		.3060	.8020	.6062	.5917	.7556	.7419	.7531	.7014	.7207	.6012	.6013
20	NIPPLE-NIPPLE BRTH	.3893	.3303	.1972	.3060		.3388				.4024	.4076	.4160	.3884	.3026	.2516
21	ELBOW-ELBOW BRIDTH	.7271	.5258	.3178	.8020	.3388		.6149		.5720	.7576	.7988	.7531	.6948	.5503	.5854
22	HIP BREADTH, SITNG	.6298	.3447	.3447	.6062		.6149		.4423	.6025	.5990	.6507	.6710	.6751	.5980	.5472
23	NECK CIRCUMFERENCE	.5416	.4186	.2335	.5917			.4423		.5848	.5919	.6341	.5524	.5402	.5182	.5221
24	BUST CIRCUMFERENCE	.7630	.5667	.3317	.7556		.5720	.6025	.5848		.8757	.8330	.7625	.7388	.6108	.6022
25	CHEST C/BELOW BUST	.7305	.5398	.2829	.7419	.4024	.7576	.5990	.5919	.8757		.8361	.7207	.6920	.6000	.6158
26	WAIST CIRCUMFERNCE	.8496	.5233	.3516	.7531	.4076	.7988	.6507	.6341	.8330	.8361		.8255	.7616	.6493	.6559
27	HALFWAY TO HIP CIR	.7752	.5404	.4028	.7014	.4160	.7531	.6710	.5524	.7625	.7207	.8255		.8448	.6732	.6732
28	HIP CIRCUMFERENCE	.7182	.5270	.3258	.7207	.3884	.6948	.6751	.5402	.7388	.6920	.7616	.8448		.7056	.6764
29	VERTICAL TRUNK CIR	.5926	.4214	.1655	.6012	.3026	.5503	.5980	.5182	.6108	.6000	.6493	.6732	.7056		.7056
30	ARM SCYE CIRCUMFER	.5891	.3347	.2509	.6013	.2516	.5854	.5472	.5221	.6022	.6158	.6559	.6732	.6764	.7056	
31	BICEPS CIR/RELAXED	.7226	.4508	.2080	.7394	.3308	.6948	.6709	.5808	.7399	.7134	.7654	.7287	.5723	.5935	.5521
32	FOREARM C/RELAXED	.6107	.4128	.1616	.6832	.2382	.6177	.5777	.6077	.6561	.6596	.6829	.6703	.5690	.5791	.6177
33	WRIST CIRCUMFERNCE	.4346	.3039	.3050	.4877	.2309	.4783	.4138	.4964	.4523	.4716	.5019	.4697	.4801	.5050	.4951
34	UPPER THIGH CIRCUM	.6745	.4673	.1669	.6814	.3309	.6889	.7493	.5151	.6890	.6522	.7021	.7356	.8531	.6366	.5561
35	MID-THIGH CIRCUMF	.5896	.3308	.0289	.5987	.2653	.5984	.6619	.4670	.5813	.5841	.6021	.5868	.6714	.5214	.5326
36	SHOULDER LENGTH	.0915	.1780	.1412	.2408	.0340	.2181	.1216	.1347	.1006	.1331	.1176	.1232	.1259	.1846	.1405
37	CERVICALE-LAT NECK	.1979	.1963	.2848	.2743	.0795	.2591	.1680	.2806	.2622	.2436	.2265	.2393	.2393	.1736	.2026
38	INTERSCYE	.3754	.5217	.0911	.5328	.2091	.4598	.2643	.3741	.5055	.4578	.4232	.4353	.4513	.3107	.1873
39	WAIST BACK LENGTH	.0334	.1059	.1178	.1326	.0507	.0425	.1209	.1716	.0649	.0864	.0865	.1251	.1642	.4032	.1635
40	WAIST FRONT LENGTH	.1537	.1897	.2917	.2100	.1451	.1682	.2170	.2023	.2290	.2831	.1966	.2180	.2347	.4071	.2290
41	STRAP LENGTH	.6322	.4652	.1918	.6012	.3080	.6006	.4837	.4939	.7478	.6004	.6681	.6597	.6097	.5420	.4920
42	LATERAL NECK-WAIST	.3764	.3130	-.0162	.4073	.2571	.3568	.3586	.3400	.5057	.4593	.4239	.4318	.4239	.2277	.3842
43	AXILLA TO WAIST PT	-.1075	.0047	.2581	-.0447	-.0328	-.0933	-.0376	-.0102	-.0973	-.0660	-.0797	-.0438	-.0400	-.2277	-.0441
44	CROTCH LENGTH	.6181	.3406	.1175	.5609	.2686	.5566	.5881	.4709	.5757	.5505	.6413	.6494	.6764	.7642	.5083
45	HEAD CIRCUMFERENCE	.2613	.2185	.1175	.3170	.1519	.2788	.2792	.4065	.2857	.3101	.3105	.2881	.2895	.3279	.2970

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TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
46 HEAD LENGTH	.1394	.1649	.1052	.1900	.0823	.1496	.1522	.2316	.1764	.1787	.1699	.1836	.1974	.2345	.1486
47 CANTHUS-OTOBASION	.1271	.1010	-.0148	.1745	.0571	.1640	.1533	.1485	.1403	.1813	.1694	.1330	.1317	.1777	.1988
48 HEAD BREADTH	.1439	.1444	.1353	.2028	.0979	.1929	.1693	.2457	.1797	.2025	.1971	.1730	.1657	.1744	.1704
49 HEAD HEIGHT	.1079	.0077	-.0048	.1541	.0346	.1504	.1860	.2050	.1441	.1719	.1679	.1333	.1344	.1989	.1777
50 FACE LENGTH	.0772	.1649	.0875	.1241	.0846	.1080	.0954	.1641	.0964	.1034	.1054	.1423	.1497	.1724	.0763
51 MINIMUM FRONTAL BR	.1414	-.0651	.0075	.1632	.0039	.1393	.2214	.1572	.1552	.1873	.1680	.1074	.1289	.1764	.2938
52 FACE BREADTH	.2866	.2256	.1918	.3632	.1627	.3377	.3028	.4018	.3294	.3580	.3476	.3088	.3175	.3216	.3279
53 BIOCULAR BREADTH	.1368	.0340	.0112	.1763	.0610	.1468	.1838	.3269	.1454	.1819	.1797	.1263	.1286	.1822	.2468
54 INTEROCULAR BREDTH	.0887	-.0244	-.0151	.1366	.0102	.1094	.1361	.1759	.1013	.1387	.1231	.0735	.0827	.1309	.1749
55 NOSE LENGTH	-.0237	.0499	.0113	.0206	.0222	.0065	.0067	.0416	-.0087	-.0014	-.0010	.0400	.0268	.0570	-.0121
56 NASAL ROOT BREADTH	.0700	-.0126	-.0684	.1100	.0119	.0890	.0805	.0947	-.0710	-.1068	-.1036	.0473	.0552	.0884	.1319
57 NOSE BREADTH	.1345	.1451	.0593	.1792	.0655	.1641	.0973	.2585	.1433	.1555	.1686	.1190	.1430	.1186	.1423
58 HAND LENGTH	.1241	.1597	.1759	.2134	.1559	.1203	.1452	.2112	.1440	.1593	.1695	.1999	.2186	.3217	.2211
59 HAND BREADTH	.1968	.1491	.0283	.2889	.1280	.2385	.2185	.2552	.2152	.2673	.2521	.2241	.2319	.3073	.3187
65 AGE	.1565	.0446	.0972	.0174	.0164	.1172	.0746	.0446	.0660	.1084	.1720	.1295	.0509	.1215	.0735

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
1 WEIGHT	.8175	.7723	.5834	.8373	.7268	.1907	.2760	.4953	.2334	.3194	.6964	.5195	-.0092	.6925	.3802
2 STATURE	.0631	.1825	.3047	.1455	.1130	.2881	.1143	.1640	.5691	.4051	.1838	.4164	.2920	.2376	.2721
3 CERVICALE HEIGHT	.0874	.2003	.3153	.1649	.1368	.2988	.0773	.1588	.6096	.3775	.1938	.4094	.2872	.2486	.2564
4 SHOULDER HEIGHT	.0936	.1944	.3014	.1722	.1335	.2251	.0831	.1462	.5516	.3796	.1980	.4281	.3026	.2571	.2498
5 WAIST HEIGHT	.1127	.1984	.2949	.1794	.1414	.2427	.0988	.1678	.4172	.2806	.1947	.3417	.1612	.2730	.2470
6 CROTCH HEIGHT	-.0555	.0650	.1714	-.0386	-.0191	.2173	.0472	.0689	.3716	.2355	.0637	.2827	.1795	.0100	.1839
7 HIP HEIGHT	.0688	.1539	.2233	.1276	.0921	.1182	.0478	.1587	.3549	.2468	.1570	.2827	.1746	.1641	.1959
8 DACTYLION HEIGHT	.1041	.1618	.1984	.1942	.1497	.2315	.0592	.1075	.4757	.3705	.1802	.4121	.3048	.2751	.1845
9 SITTING HEIGHT	.0709	.1650	.2930	.1436	.1483	.1456	.1016	.0720	.5466	.4298	.1458	.4246	.3164	.2864	.2451
10 TRUNK HEIGHT, SIT	.1477	.1997	.2590	.2123	.1652	.1234	.1234	.1348	.4170	.4542	.1951	.4277	.2515	.3226	.1914
11 SHOULDER ELBOW LEN	.1118	.1949	.2635	.1253	.1200	.0637	.1481	.1220	.2095	.2095	.1823	.2602	.2515	.1562	.2220
12 ELBOW-FINGERTIP	.1598	.2654	.3565	.1693	.1734	.0715	.1614	.1358	.3598	.2500	.2127	.2859	.1575	.1781	.2645
13 KNEE HEIGHT, SITNG	.1790	.2724	.3130	.2195	.1970	.2520	.1953	.1681	.3885	.2890	.3838	.3189	.1497	.2347	.2717
14 BUTTOCK-KNEE LNGTH	.3946	.4108	.3512	.4596	.3830	.2179	.1412	.2932	.3120	.2783	.5064	.3739	.0695	.4238	.2844
15 CHEST DEPTH	.5543	.5323	.4198	.5020	.4477	.0381	.2743	.3210	.1650	.2439	.6322	.3704	-.0386	.4464	.2667
16 TRUNK DEPTH	.7226	.6107	.4346	.6745	.5896	.0316	.0775	.3754	.0334	.1537	.4652	.3764	-.1075	.6181	.2613
17 CHEST BREADTH	.4508	.4128	.3039	.4477	.3308	.1780	.2181	.5217	.1059	.1897	.2917	.3130	-.0047	.3406	.2185
18 BI-ILIAC BREADTH	.2509	.2080	.1616	.3060	.1669	.0289	.1580	.2848	.0911	.1178	.6012	.1918	-.0162	.2581	.1175
19 SHOULDER BREADTH	.7394	.6832	.4877	.6814	.5987	.2408	.2806	.5328	.1325	.2100	.3080	.4073	-.0447	.5609	.3170
20 NIPPLE-NIPPLE BRTH	.3308	.3163	.2382	.3309	.2653	.0340	.2622	.2091	.0507	.1451	.6006	.2571	-.0328	.2686	.1519
21 ELBOW-ELBOW BRIDTH	.7556	.6948	.4783	.6889	.5984	.1121	.2436	.2181	.0425	.1682	.4837	.3568	-.0933	.5666	.2788
22 HIP BREADTH, SITNG	.6709	.5777	.4138	.7493	.6619	.1216	.2265	.2643	.1209	.2170	.4939	.3586	-.0376	.5881	.2792
23 NECK CIRCUMFERENCE	.5808	.6077	.4964	.5151	.4670	.1347	.2176	.3741	.1716	.2023	.7478	.3400	-.0102	.4709	.4065
24 BUST CIRCUMFERENCE	.7399	.6561	.4523	.6890	.5813	.1006	.2393	.5055	.0649	.2290	.6004	.5057	-.0973	.5757	.2857
25 CHEST C/BELOW BUST	.7134	.6596	.4716	.6522	.5841	.1331	.1736	.4578	.0864	.2831	.6681	.4593	-.0650	.5505	.3101
26 WAIST CIRCUMFERNCE	.7654	.6829	.5019	.7021	.6021	.1176	.2026	.4232	.0865	.1966	.6597	.4239	-.0797	.6413	.3105
27 HALFWAY TO HIP CIR	.7287	.6319	.4697	.7356	.5868	.1232	.2176	.4353	.1251	.2180	.6097	.4319	-.0438	.6494	.2881
28 HIP CIRCUMFERENCE	.7523	.6703	.4801	.8531	.6714	.1259	.2393	.4513	.1642	.2347	.5420	.4239	-.0400	.6764	.2895
29 VERTICAL TRUNK CIR	.5935	.5791	.5050	.6366	.5214	.1846	.1736	.3107	.4032	.4071	.4920	.5783	-.2277	.7642	.3279
30 ARM SCYE CIRCUMFER	.6561	.6177	.4951	.5561	.5326	.1405	.2026	.1873	.1635	.2290	.6112	.3842	-.0441	.5083	.2970
31 BICEPS CIR/RELAXED		.8135	.5251	.7740	.7135	.0925	.2434	.3752	.0417	.1967	.6112	.3800	-.1109	.6109	.2586
32 FOREARM C/RELAXED	.8135		.6544	.6821	.6553	.1670	.2400	.3711	.1614	.2468	.5346	.3741	-.0285	.5314	.3339
33 WRIST CIRCUMFERNCE	.5251	.6544		.4691	.4587	.2194	.1500	.2463	.2456	.2549	.3882	.3678	.0829	.4128	.3077
34 UPPER THIGH CIRCUM	.7740	.6821	.4691		.8084	.1056	.1927	.3768	.1097	.2037	.5545	.3736	-.0323	.6366	.2615
35 MID-THIGH CIRCUMF	.7135	.6553	.4587	.8084		.1504	.1456	.2540	.1147	.2037	.4612	.3537	-.0172	.5233	.2715
36 SHOULDER LENGTH	.0925	.1670	.2194	.1056	.1504		-.0346	.1700	.2352	.1545	.1374	.2472	.1518	.1079	.1755
37 CERVICALE-LAT NECK	.2434	.2400	.1500	.1927	.1456	-.0346		.3375	-.0095	-.1147	.2521	-.1477	-.1543	.1543	.1316
38 INTERSCYE	.3752	.3711	.2463	.3768	.2540	.1700	.3375		.0998	.0990	.4570	.1745	-.1200	.2688	.1691
39 WAIST BACK LENGTH	.0417	.1614	.2456	.1097	.1147	.2352	-.0095	.0998		.3052	.1190	.3006	.3690	.0806	.1588
40 WAIST FRONT LENGTH	.1967	.2468	.2549	.2037	.2037	.1545	-.1147	.0990	.3052		.1981	.6184	.2781	.1224	.1638
41 STRAP LENGTH	.6112	.5346	.3882	.5545	.4612	.1374	.2521	.4570	.1190	.1981		.5047	-.0468	.4963	.2547
42 LATERAL NECK-WAIST	.3800	.3741	.3678	.3736	.3537	.2472	-.1477	.1745	.3006	.6184	.5047		.2956	-.0303	.2318
43 AXILLA TO WAIST PT	-.1109	-.0285	.0829	-.0323	-.0172	.1518	-.1543	-.1200	.3690	.2781	-.0468	.2956		-.0303	.0528
44 CROTCH LENGTH	.6109	.5314	.4128	.6366	.5233	.1079	.1543	.2688	.0806	.1224	.4963	-.0303	-.0303		.2680
45 HEAD CIRCUMFERENCE	.2586	.3339	.3077	.2615	.2715	.1755	.1316	.1691	.1588	.1638	.2547	.2318	.0528	.2680	

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TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46 HEAD LENGTH	.1255	.1936	.2061	.1543	.1391	.1147	.0925	.1462	.1518	.1417	.1725	.1770	.0529	.1538	.6247
47 CANTHUS-OTOBASION	.1571	.2067	.2134	.1348	.1617	.1543	.0301	.0300	.1144	.1235	.1325	.1587	.0929	.1384	.2762
48 HEAD BREADTH	.1719	.1922	.1629	.1491	.1259	.0698	.1215	.1556	.0525	.0884	.1452	.0997	-0237	.1377	.4508
49 HEAD HEIGHT	.1550	.1864	.1760	.1349	.1902	.1270	.0529	.0444	.1256	.1111	.1348	.1473	.0812	.1728	.2953
50 FACE LENGTH	.0830	.1278	.1418	.1031	.0585	.0757	.0896	.1350	.1418	.1165	.1065	.1184	.0711	.1086	.2161
51 MINIMUM FRONTAL BR	.1623	.1766	.1868	.1101	.1611	.0812	.1143	-0257	.0890	.0844	.0927	.1184	-0615	.1551	.3135
52 FACE BREADTH	.3264	.3730	.3351	.2950	.2869	.1503	.1478	.2122	.1247	.1491	.2570	.2098	-0011	.2525	.4201
53 BIOCULAR BREADTH	.1556	.2295	.2199	.1273	.1767	.1673	.0579	.0544	.1267	.0970	.1268	.1230	.0076	.1571	.4355
54 INTEROCULAR BREDTH	.1209	.1955	.1791	.0960	.1527	.1201	.0536	.0278	.0817	.0845	.0815	.0815	.0150	.1122	.3052
55 NOSE LENGTH	-0070	.0119	.0286	.0009	-0276	.0312	.0400	.0496	.0552	.0698	.0060	.0347	.0400	.0376	.0656
56 NASAL ROOT BREADTH	.1032	.1627	.1608	.0866	.1590	.1286	-0281	-0173	.0768	.0665	.0530	.0842	-0521	.0830	.1716
57 NOSE BREADTH	.1586	.2226	.1833	.1451	.1312	-0947	-0717	-1312	-0336	-0693	.1459	.0732	-0305	.1129	.2022
58 HAND LENGTH	.0914	.2265	.3693	.1105	.0921	.2565	.0890	.1430	.3529	.2516	.1456	.2640	.1396	.1483	.2507
59 HAND BREADTH	.2602	.4030	.4800	.2165	.2771	.2341	-0575	.1047	.2363	.2282	.2103	.2681	.1198	.2145	.2623
65 AGE	.0804	.0557	-0358	-0165	-0678	-0296	-0380	.0241	-0102	.1074	.1476	.0935	.0032	.1130	.0487

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TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

#	Measurement	46	47	48	49	50	51	52	53	54	55	56	57	58	59	65
1	WEIGHT	.2584	.1950	.2231	.1967	.1753	.1952	.3952	.2021	.1399	.0274	.1041	.1870	.3164	.3321	.0465
2	STATURE	.2926	.1420	.0986	.1868	.2161	.1550	.1919	.1757	.0938	.0908	.0526	.0585	.6535	.2876	-.0417
3	CERVICALE HEIGHT	.2665	.1432	.0874	.1734	.1962	.1624	.2002	.1841	.1015	.0779	.0645	.0622	.6525	.2925	-.0339
4	SHOULDER HEIGHT	.2667	.1350	.0875	.1585	.1919	.1589	.1924	.1655	.0910	.0732	.0504	.0580	.6401	.2797	-.0264
5	WAIST HEIGHT	.2588	.1338	.0834	.1504	.1788	.1585	.1912	.1796	.0934	.0661	.0584	.0756	.6414	.2640	-.0455
6	CROTCH HEIGHT	.2058	.1137	.0356	.1311	.1463	.1334	.1185	.1758	.1026	.0599	.0808	.0528	.5898	.2329	-.0465
7	HIP HEIGHT	.2146	.0980	.0399	.1120	.1463	.0332	.1242	.1359	.0564	.0956	.0489	.0725	.5311	.1972	-.0449
8	DACTYLION HEIGHT	.2003	.0833	.0613	.1260	.1209	.0982	.1298	.0844	.0499	.0338	.0083	-.0020	.3218	.1712	-.0121
9	SITTING HEIGHT	.2372	.1406	.1159	.1995	.1627	.1808	.1775	.1356	.0849	.0659	.0399	-.0038	.4318	.2609	-.0015
10	TRUNK HEIGHT, SIT	.1775	.0976	.1202	.1355	.1319	.1216	.1715	.0703	.0596	.0550	.0399	.0066	.3267	.2053	.0502
11	SHOULDER ELBOW LEN	.1990	.1017	.0812	.1036	.1473	.1240	.1800	.0915	.0999	.0603	.0645	.0775	.4979	.2436	.0001
12	ELBOW-FINGERTIP	.2371	.1668	.0883	.1566	.1847	.1593	.1928	.2079	.1447	.0836	.1329	.1279	.6675	.3445	-.0216
13	KNEE HEIGHT, SITNG	.2475	.1457	.0895	.1872	.1698	.1939	.2043	.2370	.1494	.0570	.1064	.1033	.6098	.3065	-.0337
14	BUTTOCK-KNEE LNGTH	.2447	.1457	.1202	.1576	.1604	.1832	.2498	.2067	.1203	.0367	.0798	.1220	.4861	.2655	.0068
15	CHEST DEPTH	.1574	.1259	.1578	.1220	.1160	.1368	.2684	.1500	.1060	-.0237	.0630	.1295	.2128	.2457	.1504
16	TRUNK DEPTH	.1394	.1271	.1439	.1079	.0772	.1414	.2856	.1368	.0887	-.0237	.0700	.1345	.1241	.1968	.1565
17	CHEST BREADTH	.1649	.1010	.1444	.0077	.1649	-.0651	.2256	.0340	-.0244	-.0499	-.0126	.1461	.1597	.1491	.0446
18	BI-ILIAC BREADTH	.1052	-.0148	.1353	-.0048	.0875	.0075	.1318	.0112	-.0151	.0113	-.0684	.0593	.1759	.0283	.0972
19	SHOULDER BREADTH	.1900	.1745	.2028	.1541	.1241	.1632	.3632	.1763	.1306	.0206	.1100	.1792	.2134	.2889	.0174
20	NIPPLE-NIPPLE BRTH	.0823	.0641	.0979	.0346	.0846	.0039	.1627	.0610	.0102	.0222	.0890	.0655	.1559	.1280	.0164
21	ELBOW-ELBOW BRIDTH	.1496	.1640	.1929	.1504	.1080	.1393	.3377	.1468	.1094	.0065	.0805	.1641	.1203	.2385	.1172
22	HIP BREADTH, SITNG	.1522	.1533	.1693	.1860	.0954	.2214	.3028	.1838	.1361	.0067	.0947	.0973	.1452	.2185	.0746
23	NECK CIRCUMFERENCE	.2316	.1485	.2457	.2050	.1641	.1572	.4018	.3269	.1759	.0416	.0710	.2585	.2112	.2552	.0446
24	BUST CIRCUMFERENCE	.1764	.1403	.1797	.1441	.0964	.1552	.3294	.1454	.1013	-.0087	.0710	.1433	.1440	.2152	.0660
25	CHEST C/BELOW BUST	.1787	.1813	.2025	.1719	.1034	.1373	.3580	.1819	.1387	-.0010	.1068	.1555	.1593	.2673	.1084
26	WAIST CIRCUMFERNCE	.1699	.1694	.1971	.1679	.1054	.1680	.3476	.1797	.1231	-.0010	.1036	.1686	.1695	.2521	.1720
27	HALFWAY TO HIP CIR	.1836	.1330	.1730	.1333	.1423	.1074	.3088	.1263	.0735	.0400	.0473	.1190	.1999	.2241	.1295
28	HIP CIRCUMFERENCE	.1974	.1317	.1657	.1344	.1497	.1289	.3175	.1285	.0827	.0268	.0552	.1430	.2186	.2319	.0509
29	VERTICAL TRUNK CIR	.2345	.1777	.1744	.1989	.1724	.1764	.3216	.1822	.1309	.0570	.0884	.1186	.3217	.3073	.1215
30	ARM SCYE CIRCUMFER	.1486	.1988	.1704	.1777	.0763	.2938	.3279	.2468	.1749	-.0121	.1319	.1423	.2211	.3187	.0735
31	BICEPS CIR/RELAXED	.1255	.1571	.1719	.1550	.0830	.1523	.3254	.1556	.1209	-.0070	.1032	.1586	.0914	.2602	.0804
32	FOREARM C/RELAXED	.1147	.2067	.1922	.1864	.1278	.1766	.3730	.2295	.1955	-.0119	.1627	.2226	.2265	.4030	.0557
33	WRIST CIRCUMFERNCE	.1936	.2134	.1629	.1760	.1418	.1868	.3361	.2199	.1791	.0286	.1608	.1833	.3693	.4800	.0368
34	UPPER THIGH CIRCUM	.2061	.1348	.1491	.1349	.1031	.1101	.2950	.1273	.0960	.0009	.0866	.1451	.1105	.2165	-.0165
35	MID-THIGH CIRCUMF	.1543	.1617	.1259	.1902	.0585	.1611	.2869	.1673	.1527	-.0272	.1590	.1312	.0921	.2771	-.0678
36	SHOULDER LENGTH	.1391	.1543	.0698	.1270	.0757	.0812	.1503	.1673	.1201	-.0070	.1286	.0947	.2565	.2341	-.0296
37	CERVICALE-LAT NECK	.1147	.0301	.1215	.0529	.0896	.1143	.1478	.0579	.0536	.0400	-.0281	.0717	.0890	.0675	-.0380
38	INTERSCYE	.0925	.0300	.1556	.0444	.1350	-.0257	.2122	.0544	.0278	.0496	-.0173	.1312	.1430	.1047	.0241
39	WAIST BACK LENGTH	.1462	.1144	.0525	.1256	.1418	.0890	.1247	.1267	.0817	.0552	.0768	.0336	.3529	.2368	-.0102
40	WAIST FRONT LENGTH	.1518	.1235	.0884	.1111	.1165	.0844	.1491	.0970	.0845	.0698	.0665	.0693	.2516	.2282	-.1074
41	STRAP LENGTH	.1725	.1325	.1452	.1348	.1065	.0927	.2570	.1268	.0815	.0060	.0530	.1459	.1456	.2103	.1476
42	LATERAL NECK-WAIST	.1770	.1587	.0997	.1473	.1184	.1184	.2098	.1230	.0815	.0347	.0842	.0732	.2640	.2681	.0935
43	AXILLA TO WAIST PT	.0629	.0929	-.0237	.0812	.0711	-.0615	-.0011	.0075	.0150	-.0400	.0621	-.0305	.1396	.1198	.0032
44	CROTCH LENGTH	.1538	.1384	.1377	.1728	.1086	.1551	.2525	.1571	.1122	.0376	.0830	.1129	.1483	.2145	.1130
45	HEAD CIRCUMFERENCE	.6247	.2762	.4508	.2953	.2161	.3135	.4201	.4355	.3052	.0656	.1716	.2022	.2507	.2623	.0487

TABLE VIII (continued)

CORRELATION COEFFICIENTS FOR ARMY WOMEN SEPERATEES--1946

	46	47	48	49	50	51	52	53	54	55	56	57	58	59	65
46 HEAD LENGTH		.2143	.1768	.1867	.2102	.1673	.2235	.2708	.2013	.0724	.1079	.1881	.2633	.0852	.0256
47 CANTHUS-OTOBASION	.2143		.1638	.1705	.2161	.1908	.1950	.0555	.1473	.2091	.1807	.1406	.1633	.3053	.0495
48 HEAD BREADTH	.1768	.1638		.1647	.1026	.3060	.5478	.2222	.2259	.0981	.0623	.1686	.1257	.0578	.0780
49 HEAD HEIGHT	.1867	.1705	.1647		.1048	.1881	.1510	.2038	.1895	.0332	.1623	.0769	.1401	.1826	.0138
50 FACE LENGTH	.2102	.2161	.1026	.1048		-0552	.0153	.0546	.0933	.6793	.0892	.0250	.1737	.1438	.0349
51 MINIMUM FRONTAL BR	.1673	.1908	.3060	.1881	-0552		.4648	.3816	.3490	-1115	.2130	.1125	.2152	.1313	-0091
52 FACE BREADTH	.2235	.1950	.5478	.1510	.0153	.4648		.4081	.2992	-0701	.1269	.2649	.2403	.1313	.0512
53 BIOCULAR BREADTH	.2708	.0555	.2222	.2038	.0546	.3816	.4081		.5272	-0516	.2291	.2521	.1911	.1382	-0155
54 INTEROCULAR BREDTH	.2013	.1473	.2259	.1895	.0933	.3490	.2992	.5272		.0554	.4275	.2154	.1555	.2028	-0198
55 NOSE LENGTH	.0724	.2091	.0981	.0332	.6793	-1115	-0701	-0516	.0554		.0051	.0334	.0587	.0602	.0358
56 NASAL ROOT BREADTH	.1079	.1807	.0623	.1623	.0892	.2130	.1269	.2291	.4275	.0051		.1871	.1156	.3194	-0581
57 NOSE BREADTH	.1881	.1406	.1686	.0769	.0250	.1125	.2649	.2521	.2154	.0334	.1871		.1778	.0879	.0604
58 HAND LENGTH	.2633	.1633	.1257	.1401	.1737	.2152	.2403	.1911	.1555	.0587	.1156	.1778		.3855	-0083
59 HAND BREADTH	.0852	.3053	.0578	.1826	.1438	.1313	.1313	.1382	.2028	.0602	.3194	.0879	.3855		.0219
65 AGE	.0256	.0495	.0780	.0138	.0349	-0091	.0512	-0155	-0198	.0358	-0581	.0604	-0083	.0219	

Section IX

THE CORRELATIONS--HEALTH EXAMINATION SURVEY--1960-62

In 1959, The National Center for Health Statistics began a series of Health Examination Surveys (HEXS). The first of these surveys, made in 1959-1962, was based on a scientifically selected sample of non-institutional civilian adults from 18 to 79 years of age. Of the 7710 individuals selected for inclusion in the sample, more than 85% (6672) participated in the survey. While anthropometry was only one small part of the project, 18 body size measurements were included, providing for the first time accurate assessments of the size of U. S. civilians. Background information about HEXS is provided in Cycle I of the Health Examination Survey (Gordon and Miller 1964); the anthropometric results are described in Weight, Height, and Selected Body Dimensions of Adults (Stoudt et al. 1965); Weight by Height and Age of Adults (Roberts 1966); and Skinfolds, Body Girths, Biacromial Diameter and Selected Indices of Adults (Stoudt et al. 1970).* Data from this survey are available to the public by purchase of magnetic tapes from the National Center for Health Statistics. The statistics in this report were computed from the data on such tapes without modification.

The correlations based on the data for the 3581 women measured in this survey are given in Table IX and for the 3091 men in Table XI. Because of the wide age range of the sample, and because this range differs so substantially from that of the other samples reported on in this study, additional computations were carried out using the data for the 1165 women from 25-40 years in age (Table X) and for the 1012 men of the same age range (Table XII). All computations were based on the unweighted data values; there are, as a consequence, minor differences between the correlations given by Stoudt et al. (1970) and the corresponding ones given here.

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* Since subjects in this survey were partially clothed, approximately two pounds should be subtracted from the weight data to arrive at body weights comparable to those reported for the other surveys.

TABLE IX

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT		.2047	.4081	-.0178	.0388	-.0501	-.0807	.7193	.7636	.7850	.7218	.1368	.6147	.5204	.1501
2 WEIGHT	.2047		.4524	.8891	.8850	.8536	.7484	.1802	.2107	.3304	-.0288	.7028	.6321	.5073	.8102
3 BIACROMIAL DIAMETR	.4081	.4524		.3325	.4336	.3022	.2426	.3156	.3493	.4062	.2543	.3720	.4265	.3406	.3265
4 RIGHT ARM GIRTH	-.0178	.8891	.3325		.8431	.8024	.8094	.0343	.0521	.1277	-.2201	.6425	.4489	.3551	.7465
5 CHEST GIRTH	.0388	.8850	.4336	.8431		.8632	.7393	.0440	.0599	.1810	-.1272	.5976	.4406	.3712	.6800
6 WAIST GIRTH	-.0501	.8536	.3022	.8024	.8632		.7187	-.0908	-.0753	.1230	-.1652	.5260	.4090	.3331	.6659
* 7 SUM OF SKINFOLDS	-.0807	.7484	.2426	.8094	.7393	.7187		-.0041	-.0070	.0732	-.2380	.5783	.3394	.2736	.6457
8 SITTING HEIGHT	.7193	.1802	.3156	.0343	.0440	-.0908	-.0041		.9075	.4199	.3530	.1973	.3261	.2300	.1956
9 SITTING HGT/ERECT	.7636	.2107	.3493	.0521	.0599	-.0753	-.0070	.9075		.4398	.3648	.2078	.3462	.2316	.2027
10 KNEE HEIGHT	.7850	.3304	.4062	.1277	.1810	.1230	.0732	.4199	.4398		.7462	.1905	.6879	.5863	.2525
11 POPLITEAL HEIGHT	.7218	-.0288	.2543	-.2201	-.1272	-.1652	-.2380	.3530	.3648	.7462		-.1433	.4271	.3867	-.1045
12 THIGH CLEARANCE	.1368	.7028	.3720	.6425	.5976	.5260	.5783	.1973	.2078	.1905	-.1433		.4628	.3537	.6098
13 BUTTOCK-KNEE LNGTH	.6147	.6321	.4265	.4489	.4406	.4090	.3394	.3261	.3462	.6879	.4271	.4628		.7860	.5517
14 BUTTOCK-POPLITEAL	.5204	.5073	.3406	.3551	.3712	.3331	.2736	.2300	.2316	.5863	.3867	.3537	.7860		.3898
15 SEAT BREADTH	.1501	.8102	.3265	.7465	.6800	.6659	.6457	.1956	.2027	.2525	-.1045	.6098	.5517	.3898	
16 ELBOW-ELBOW BR'DTH	-.0433	.8525	.3326	.8344	.8791	.8708	.7356	-.0309	-.0331	.1044	-.2031	.5967	.4123	.3286	.6962
17 ELBOW REST HEIGHT	.2348	.2584	.0958	.2228	.1807	.1135	.1812	.5327	.5845	.0188	-.0972	.2901	-.0498	-.0453	.2748
18 AGE	-.2674	.1985	-.1151	.2778	.2992	.4076	.2543	-.2736	-.3108	-.1172	-.1804	-.0269	-.0349	.0013	.1869

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE IX (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES

		16	17	18
1	HEIGHT	-0433	.2348	-2674
2	WEIGHT	.8525	.2584	.1985
3	BIACROMIAL DIAMETR	.3326	.0958	-1151
4	RIGHT ARM GIRTH	.8344	.2228	.2778
5	CHEST GIRTH	.8791	.1807	.2992
6	WAIST GIRTH	.8708	.1135	.4076
*7	SUM OF SKINFOLDS	.7356	.1812	.2543
8	SITTING HEIGHT	-0309	.5327	-2736
9	SITTING HGT/ERECT	-0331	.5845	-3108
10	KNEE HEIGHT	.1044	.0188	-1172
11	POPLITEAL HEIGHT	-2031	-0972	-1804
12	THIGH CLEARANCE	.5967	.2901	-0269
13	BUTTOCK-KNEE LNGTH	.4123	.0498	-0349
14	BUTTOCK-POPLITEAL	.3286	-0453	.0013
15	SEAT BREADTH	.6962	.2748	.1869
16	ELBOW-ELBOW BR'DTH		.1429	.3750
17	ELBOW REST HEIGHT	.1429		-1550
18	AGE	.3750	-1550	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE X

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	HEIGHT		.2709	.3950	.0588	.1279	.0964	-.0304	.6951	.7455	.7711	.7232	.1502	.6249	.5269	.2211
2	WEIGHT	.2709		.5035	.9024	.8969	.8903	.7544	.2422	.2709	.3760	.0035	.7836	.6652	.5662	.8243
3	BIACROMIAL DIAMETR	.3953	.5035		.4005	.4965	.4185	.3114	.3094	.3350	.3986	.2367	.3998	.4328	.3619	.3952
4	RIGHT ARM GIRTH	.0588	.9024	.4005		.8628	.8292	.8279	.1005	.1117	.2036	-.1740	.7500	.5032	.4360	.7641
5	CHEST GIRTH	.1279	.8969	.4965	.8628		.8608	.7549	.1175	.1332	.2514	-.0814	.7077	.5146	.4560	.7165
6	WAIST GIRTH	.0964	.8903	.4185	.8292	.8608		.7444	.0472	.0598	.2348	-.0886	.6792	.5132	.4424	.7202
*7	SUM OF SKINFOLDS	-.0304	.7544	.3114	.8279	.7549	.7444		.0348	.0209	.1265	-.1969	.6673	.3893	.3532	.6582
8	SITTING HEIGHT	.6951	.2422	.3094	.1005	.1175	.0472	.0348		.8956	.4244	.3610	.1993	.3530	.2627	.0868
9	SITTING HGT/ERECT	.7455	.2709	.3350	.1117	.1332	.0598	.0209	.8956		.4405	.3715	.1989	.3566	.2652	.0829
10	KNEE HEIGHT	.7711	.3760	.3986	.2036	.2514	.2348	.1265	.4244	.4405		.7217	.2110	.5739	.3072	.1706
11	POPLITEAL HEIGHT	.7232	.0035	.2367	-.1740	-.0814	-.0886	-.1969	.3610	.3715	.7217		-.1338	.4158	.4228	-.0827
12	THIGH CLEARANCE	.1502	.7836	.3998	.7500	.7077	.6792	.6673	.1993	.1989	.2110	-.1338		.4998	.7968	.6774
13	BUTTOCK-KNEE LNGTH	.6249	.6652	.4328	.5032	.5146	.5132	.3893	.3530	.3566	.5739	.4158	.4998		.7968	.5894
14	BUTTOCK-POPLITEAL	.5269	.5662	.3619	.4360	.4560	.4424	.3532	.2601	.2652	.3072	.3595	.4228	.7968		.4420
15	SEAT BREADTH	.2211	.8243	.3952	.7641	.7165	.7202	.6582	.0868	.0829	.1706	-.0827	.6774	.5894	.4420	
16	ELBOW-ELBOW BR'DTH	.0620	.8684	.4117	.8553	.8761	.8639	.7496	.0868	.0829	.1706	-.1740	.7255	.4884	.4033	.7264
17	ELBOW REST HEIGHT	.1977	.2934	.0694	.2558	.2188	.2004	.1865	.4745	.5469	.0164	-.1025	.2947	.0631	-.0172	.3271
18	AGE	.0074	.1565	.0612	.2050	.1848	.1827	.1917	.0292	.0292	.0419	-.0469	.1024	.0991	.0956	.1539

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE X (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY FEMALES--AGES 25-40

		16	17	18
1	HEIGHT	.0520	.1977	.0074
2	WEIGHT	.8684	.2934	.1565
3	BIACROMIAL DIAMETR	.4117	.0694	.0612
4	RIGHT ARM GIRTH	.8553	.2558	.2050
5	CHEST GIRTH	.8761	.2188	.1848
6	WAIST GIRTH	.8639	.2004	.1827
*7	SUM OF SKINFOLDS	.7496	.1865	.1917
8	SITTING HEIGHT	.0868	.4745	.0472
9	SITTING HGT/ERECT	.0829	.5469	.0292
10	KNEE HEIGHT	.1706	.0164	.0419
11	POPLITEAL HEIGHT	-.1743	-.1025	-.0469
12	THIGH CLEARANCE	.7255	.2947	.1024
13	BUTTOCK-KNEE LNGTH	.4884	.0631	.0991
14	BUTTOCK-POPLITEAL	.4033	-.0172	.0956
15	SEAT BREADTH	.7264	.3271	.1539
16	ELBOW-ELBOW BR'DTH		.2320	.1886
17	ELBOW REST HEIGHT	.2320		.0539
18	AGE	.1886	.0539	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

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TABLE XI

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	HEIGHT		.3922	.3764	.1376	.1953	.0653	.0320	.7098	.7627	.7997	.7601	.2021	.7372	.5923	.3093
2	WEIGHT	.3922		.4745	.8503	.8848	.8281	.7052	.4545	.4110	.4033	.1490	.6952	.5572	.3849	.8158
3	BIACROMIAL DIAMETR	.3764	.4745		.3801	.4184	.2496	.2310	.3353	.3654	.3529	.2756	.3058	.3646	.2531	.3434
4	RIGHT ARM GIRTH	.1376	.8503	.3801		.7839	.7118	.6720	.2642	.2199	.1926	-.0604	.6654	.3423	.2243	.6741
5	CHEST GIRTH	.1953	.8848	.4184	.7839		.8378	.6903	.2980	.2384	.2291	-.0003	.6078	.3881	.2536	.7322
6	WAIST GIRTH	.0553	.8281	.2496	.7118	.8378		.6964	.1839	.1056	-.0985	-.1371	.5388	.3238	.2163	.7164
*7	SUM OF SKINFOLDS	.0320	.7052	.2310	.6720	.6903	.6964		.1860	.1241	.0637	-.1444	.5356	.2458	.1274	.6287
8	SITTING HEIGHT	.7098	.4545	.3353	.2642	.2980	.1839	.1850		.8726	.4434	.3819	.2823	.4278	.2745	.4215
9	SITTING HGT/ERECT	.7627	.4110	.3654	.2199	.2384	.1056	.1241	.8726		.4459	.4100	.2351	.4175	.2275	.3643
10	KNEE HEIGHT	.7997	.4033	.3529	.1926	.2291	-.0985	.0637	.4434	.4459		.7984	.2240	.7434	.5241	.2395
11	POPLITEAL HEIGHT	.7601	.1490	.2756	-.0604	.0003	-.1371	-.1444	.3819	.4100	.7984		-.0315	.6168	.6273	.5779
12	THIGH CLEARANCE	.2021	.6952	.3058	.6654	.6078	.5388	.5356	.2823	.2351	.2240	-.0315		.3491	.2395	.5779
13	BUTTOCK-KNEE LNGTH	.7372	.5572	.3646	.3423	.3881	.3238	.2458	.4278	.4175	.7434	.6168	.3491		.7357	.3491
14	BUTTOCK-POPLITEAL	.5923	.3849	.2531	.2243	.2536	.2163	.1274	.2745	.2275	.5241	.6273	.2395	.7357		.2649
15	SEAT BREADTH	.3093	.8158	.3434	.6741	.7322	.7164	.6287	.4215	.3643	.2395	.5779	.5779	.3491	.2649	
16	ELBOW-ELBOW BR'DTH	.0796	.8089	.3118	.7547	.8341	.8202	.6525	.2093	.1357	.3099	.0483	.5995	.4497	.2924	.7069
17	ELBOW REST HEIGHT	.2038	.3100	.1278	.2684	.2578	.1905	.2513	.4547	.5439	-.0294	-.0604	.2146	.0050	-.1447	.2851
18	AGE	-.2539	-.0428	-.2359	-.0977	.0789	.3005	.0206	-.1790	-.2565	-.1708	-.2184	-.1899	-.1359	-.0823	.0464

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XI (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES

		16	17	18
1	HEIGHT	.0796	.2038	-2539
2	WEIGHT	.8089	.3100	-0428
3	BIACROMIAL DIAMETR	.3118	.1278	-2359
4	RIGHT ARM GIRTH	.7547	.2684	-0977
5	CHEST GIRTH	.8341	.2578	.0789
6	WAIST GIRTH	.8202	.1905	.3005
*7	SUM OF SKINFOLDS	.6525	.2513	.0206
8	SITTING HEIGHT	.2093	.4547	-1790
9	SITTING HGT/ERECT	.1357	.5439	-2665
10	KNEE HEIGHT	.1345	-0294	-1708
11	POPLITEAL HEIGHT	-1187	-0604	-2184
12	THIGH CLEARANCE	.5995	.2146	-1899
13	BUTTOCK-KNEE LNGTH	.2995	.0050	-1359
14	BUTTOCK-POPLITEAL	.1924	-1447	-0823
15	SEAT BREADTH	.7069	.2851	.0464
16	ELBOW-ELBOW BR'DTH		.2273	.1688
17	ELBOW REST HEIGHT	.2273		-1842
18	AGE	.1688	-1842	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

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TABLE XII

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES--AGES 25-40

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT		.4056	.3229	.1292	.2390	.1464	.0395	.7247	.7691	.8086	.7640	.1755	.7376	.5911	.3521
2 WEIGHT	.4056		.4948	.8540	.8910	.8760	.7110	.4556	.3917	.4487	.1802	.6937	.6071	.4566	.8355
3 BIACROMIAL DIAMETR	.3229	.4948		.3867	.4751	.3480	.2467	.2955	.2986	.3381	.2527	.3043	.3587	.2601	.3880
4 RIGHT ARM GIRTH	.1292	.8540	.3867		.8028	.7905	.6790	.2375	.1664	.2375	-0333	.6553	.4059	.3060	.6962
5 CHEST GIRTH	.2390	.8910	.4751	.8028		.8516	.7048	.3375	.2537	.2885	-0523	.6217	.4515	.3298	.7506
6 WAIST GIRTH	.1464	.8760	.3480	.7905	.8516		.7593	.2420	.1637	.2347	-0073	.6157	.4201	.3032	.7497
*7 SUM OF SKINFOLDS	.0395	.7110	.2467	.6790	.7048	.7593		.1947	.1093	.1056	-1201	.5561	.2953	.1876	.6367
8 SITTING HEIGHT	.7247	.4556	.2955	.2375	.3375	.2420	.1947		.8619	.4967	.4233	.2663	.4708	.3096	.4462
9 SITTING HGT/ERECT	.7691	.3917	.2986	.1664	.2537	.1637	.1093	.8619		.4756	.4467	.1931	.4472	.2332	.3859
10 KNEE HEIGHT	.8086	.4487	.3381	.2375	.2885	.2347	.1056	.4967	.4756		.7860	.2231	.7381	.6188	.6068
11 POPLITEAL HEIGHT	.7640	.1802	.2527	-0333	-0523	-0073	-1201	.4233	.4467	.7860		-0485	.6038	.4981	.0990
12 THIGH CLEARANCE	.1755	.6937	.3043	.6553	.6217	.6157	.5561	.2663	.1931	.2231	-0485		.3721	.3014	.3255
13 BUTTOCK-KNEE LNGTH	.7376	.6071	.3587	.4059	.4515	.4201	.2953	.4708	.4472	.7381	.6038	.3721		.5082	.7411
14 BUTTOCK-POPLITEAL	.5911	.4566	.2601	.3060	.3298	.3032	.1876	.3096	.2332	.6188	.4981	.3014	.5082		.3255
15 SEAT BREADTH	.3521	.8355	.3880	.6962	.7506	.7497	.6367	.4462	.3859	.6068	.0990	.3255	.7411	.3255	
16 ELBOW-ELBOW BR'DTH	.1132	.8248	.3686	.7952	.8368	.8269	.6750	.4462	.4822	.1952	-0677	.6068	.6235	.2683	.7360
17 ELBOW REST HEIGHT	.1431	.2606	.0593	.2122	.2423	.2296	.2169	.3733	.3673	-0518	-0713	.1677	.0070	-1530	.2566
18 AGE	-0788	.0376	-0209	.0792	.0910	.0823	.0352	-0142	-0300	-0810	-1273	-0350	-0912	-0613	-0451

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

TABLE XII (continued)

CORRELATION COEFFICIENTS FOR HEALTH EXAMINATION SURVEY MALES—AGES 25-40

	16	17	18
1 HEIGHT	.1132	.1431	-.0788
2 WEIGHT	.8248	.2606	.0376
3 BIACROMIAL DIAMETR	.3686	.0593	-.0209
4 RIGHT ARM GIRTH	.7952	.2122	.0792
5 CHEST GIRTH	.8368	.2423	.0910
6 WAIST GIRTH	.8269	.2296	.0823
*7 SUM OF SKINFOLDS	.6750	.2169	.0352
8 SITTING HEIGHT	.2291	.3733	-.0142
9 SITTING HGT/ERECT	.1497	.4822	-.0300
10 KNEE HEIGHT	.1952	-.0518	-.0810
11 POPLITEAL HEIGHT	-.0677	-.0713	-.1273
12 THIGH CLEARANCE	.6235	.1677	-.0350
13 BUTTOCK-KNEE LNGTH	.3573	.0070	-.0912
14 BUTTOCK-POPLITEAL	.2683	-.1530	-.0613
15 SEAT BREADTH	.7360	.2566	.0451
16 ELBOW-ELBOW BR'DTH		.2271	.1267
17 ELBOW REST HEIGHT	.2271		.0052
18 AGE	.1267	.0052	

* TWO SKINFOLDS: TRICEPS AND SUBSCAPULAR.

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Section X

THE CORRELATIONS--LAW ENFORCEMENT C ____CER SURVEY--1974

The survey of law enforcement officers was conducted in 1974 by J. I. Martin and his colleagues at the Naval Electronics Laboratory Center, San Diego, California, under a contract with the National Bureau of Standards. Subjects included 2060 members of police departments, 521 of sheriff's departments, 176 of highway patrols, and 236 prison guards. About one-third of the subjects were recruits; median length of service was about two and a half years. A description of the survey and its results are given in Anthropometry of Law Enforcement Officers by Martin et al. (1975). The original data were provided to the Aerospace Medical Research Laboratory by Martin and are used here with his permission.

Mean ages for three of the four groups sampled were about 30 years with the prison guards averaging almost ten years older. Nine percent were Blacks, 4% Mexican-American, Cuban, or Puerto Rican, 1% Indian, and the remainder Whites.

Correlations for age and 22 body measurements are given in Table XIII

TABLE XIII

CORRELATION COEFFICIENTS FOR LAW ENFORCEMENT OFFICERS--1974

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 HEIGHT		.4689	.4628	.7816	.8706	.8801	.6334	.4450	.5294	.4344	.3659	.4681	.6014	.7938	.3017
2 HEIGHT	.4689		.5816	.2411	.2509	.2423	.4145	.2852	.3808	.6194	.7126	.8287	.7465	.3074	.2563
3 FUNCTIONAL REACH	.4628	.5816		.3073	.3589	.3397	.2554	.2663	.3905	.2941	.2688	.5807	.6090	.3516	.1906
4 CHEST BREADTH	.7816	.2411	.3073		.8688	.7396	.4819	.3663	.4093	.2929	.2237	.2646	.3663	.8012	.2356
5 CHEST CIRCUMFERNCE	.8706	.2509	.3589	.8688		.8596	.5582	.3759	.4398	.3116	.2225	.2839	.4011	.7927	.2401
6 WAIST CIRCUMFERNCE	.8801	.2423	.3397	.7396	.8596		.6147	.3391	.3936	.3359	.2102	.2574	.4163	.6883	.1969
7 WAIST FRONT	.6334	.4145	.2554	.4819	.5582	.6147		.2636	.3365	.5021	.4946	.2877	.3194	.4513	.1799
8 HEAD CIRCUMFERENCE	.4450	.2852	.2663	.3663	.3759	.3391	.2636		.3310	.2112	.2432	.2750	.2837	.3972	.7614
9 HAND CIRCUMFERENCE	.5294	.3808	.3905	.4093	.4398	.3936	.3365	.3310		.3075	.3048	.3693	.3718	.4381	.2456
10 SHOULDER HT/SIT'NG	.4344	.6194	.2941	.2929	.3116	.3359	.5021	.2112	.3075		.7899	.3750	.3062	.2562	.1652
11 SITTING HEIGHT	.3659	.7126	.2688	.2237	.2225	.2102	.4946	.2432	.3048	.7899		.4187	.2902	.2764	.2176
12 KNEE H'GHT SITTING	.4681	.8287	.5807	.2646	.2839	.2574	.2877	.2750	.3693	.3750	.4187		.7699	.3357	.2261
13 BUTTOCK-KNEE LNGTH	.6014	.7465	.6090	.3663	.4011	.4163	.3194	.2837	.3718	.3062	.2902	.7699		.4239	.2156
14 SHOULDER BREADTH	.7938	.3074	.3516	.8012	.7927	.6883	.4513	.3972	.4381	.2562	.2764	.3357	.4239		.2556
15 HEAD LENGTH	.3017	.2563	.1906	.2356	.2401	.1969	.1799	.7614	.2456	.1652	.2176	.2261	.2156	.2556	
16 HEAD BREADTH	.3510	.1323	.1837	.3404	.3524	.3287	.2126	.5066	.2779	.1993	.1614	.1194	.1464	.3145	.1155
17 FACE BREADTH	.5087	.1910	.2452	.4504	.4905	.4920	.3376	.4673	.3579	.2767	.2060	.1903	.2355	.4326	.1751
18 FACE LENGTH	.2379	.2485	.1882	.1740	.1855	.1636	.1418	.3110	.2441	.1585	.1944	.2457	.2199	.1832	.3093
19 LIP LENGTH	.2142	.1078	.1638	.1952	.2122	.1616	.1541	.2528	.2588	.0611	.0584	.1492	.1684	.1941	.1825
20 HAND LENGTH	.3342	.5678	.4510	.1975	.1863	.1247	.2233	.2765	.4547	.2447	.3127	.6414	.5272	.2821	.2296
21 FOREFINGER LENGTH	.2888	.4530	.3109	.2012	.1890	.1316	.1940	.2135	.3952	.2155	.3042	.4975	.3820	.2549	.2006
22 HAND BREADTH	.4548	.3830	.3438	.3504	.3567	.2923	.2884	.3137	.8253	.2751	.3016	.3900	.3560	.3893	.2622
23 AGE	.2050	.0131	.1552	.2315	.3228	.3569	.3125	.1208	.2411	.1258	.0461	.0208	.0415	.1160	.0710

TABLE XIII (continued)

CORRELATION COEFFICIENTS FOR LAW ENFORCEMENT OFFICERS--1974

		16	17	18	19	20	21	22	23
1	WEIGHT	.3510	.5087	.2379	.2142	.3342	.2888	.4548	.2050
2	HEIGHT	.1323	.1910	.2485	.1078	.5678	.4530	.3830	.0131
3	FUNCTIONAL REACH	.1837	.2452	.1882	.1638	.4510	.3109	.3438	.1562
4	CHEST BREADTH	.3404	.4504	.1740	.1952	.1975	.2012	.3504	.2315
5	CHEST CIRCUMFERNCE	.3524	.4905	.1855	.2122	.1863	.1890	.3567	.3228
6	WAIST CIRCUMFERNCE	.3287	.4920	.1636	.1616	.1247	.1316	.2923	.3569
7	WAIST FRONT	.2126	.3376	.1418	.1541	.2233	.1940	.2884	.3125
8	HEAD CIRCUMFERENCE	.5066	.4673	.3110	.2528	.2765	.2135	.3137	.1208
9	HAND CIRCUMFERENCE	.2779	.3579	.2441	.2588	.4547	.3952	.8253	.2411
10	SHOULDER HT/SIT'NG	.1993	.2767	.1585	.0611	.2447	.2155	.2751	.1258
11	SITTING HEIGHT	.1614	.2060	.1944	.0584	.3127	.3042	.3016	.0461
12	KNEE H'GHT SITTING	.1194	.1903	.2457	.1492	.6414	.4975	.3900	.0208
13	BUTTOCK-KNEE LNGTH	.1464	.2355	.2199	.1684	.5272	.3820	.3560	.0415
14	SHOULDER BREADTH	.3145	.4326	.1832	.1941	.2821	.2549	.3893	.1160
15	HEAD LENGTH	.1155	.1751	.3093	.1825	.2296	.2006	.2622	.0710
16	HEAD BREADTH		.6782	.1752	.1669	.1093	.0965	.2347	.2159
17	FACE BREADTH	.6782		.2033	.3069	.1708	.1422	.3194	.2615
18	FACE LENGTH	.1752	.2033		.0898	.2592	.2027	.2301	.1513
19	LIP LENGTH	.1669	.3069	.0898		.2084	.1494	.2793	.2666
20	HAND LENGTH	.1093	.1708	.2592	.2084		.7022	.5113	.0394
21	FOREFINGER LENGTH	.0965	.1422	.2027	.1494	.7022		.4252	.0392
22	HAND BREADTH	.2347	.3194	.2301	.2793	.5113	.4252		.1493
23	AGE	.2159	.2615	.1513	.2666	.0394	.0392	.1493	

APPENDIXES

APPENDIX A

A GLOSSARY OF ANATOMICAL AND ANTHROPOMETRIC TERMS

A

abdominal extension level -- the most anterior point of the lower torso in the midsagittal plane.

acromial -- pertaining to acromion.

acromion -- the endpoint of the shoulder blade; the most lateral point of the spine of the scapula.

ankle level -- the level of the minimum circumference of the ankle located above the bony prominences (malleoli) of the ankle.

anterior -- pertaining to the front of the body; as opposed to posterior.

auricular -- pertaining to the external ear.

axilla -- the armpit.

axillary folds -- the skin creases that extend vertically from the armpit on the ventral and dorsal surfaces of the body at the torso-upper arm juncture.

B

bi -- a prefix denoting connection with or relation to each of two symmetrically paired parts.

biceps (biceps brachii) -- the large muscle on the anterior surface of the upper arm.

brow ridges -- the bony ridges of the forehead that lie above the eye sockets of the eyes.

bustpoint -- the most anterior protrusion of the bra pocket.

C

canthus -- a corner or angle formed by the meeting of the eyelids.

carpus -- the wristbones, collectively.

cervicale -- the protrusion of the spinal column at the base of the neck caused by the tip of the spine of the 7th cervical vertebra.

cheilion -- the corners of the mouth formed by the juncture of the lips.

coronal plane -- any vertical plane at right angles to the midsagittal plane.

crinion -- the point in the midsagittal plane where the hairline meets the forehead.

D

dactylion -- the tip of the middle finger.

deltoid muscle -- the large muscle on the lateral border of the upper arm in the shoulder region.

distal -- the end of a body segment farthest from the head, as opposed to proximal.

dorsal -- pertaining to the back or posterior portion of the body, segment or organ.

E

ectocanthus -- the outside corner or angle formed by the meeting of the eyelids.

epicondyle -- the bony eminence at the distal end of the humerus, radius, or femur.

external -- away from the central long axis of the body; the outer portion of a body segment.

femoral epicondyles -- the bony projections on either side of the distal
   end of the femur.

femur -- the thigh bone.

fibula -- the rather narrow long bone of the lower leg.

Frankfort plane -- the standard horizontal plane or orientation of the
   head. The plane is established by a line passing through the right
   tragion (approximate earhole) and the lowest point of the right
   orbit (eye socket).

glabella -- the most anterior point of the forehead between the brow
   ridges in the midsagittal plane.

gluteal furrow -- the furrow at the juncture of the buttock and the
   thigh.

gonial angle -- the angle at the back of the lower jaw formed by the
   intersection of the vertical and horizontal portions of the jaw.

helix -- the rolled outer part of the ear.

humeral epicondyles -- the bony projections on either side of the lower
   (i.e. distal) end of the humerus.

humerus -- the bone of the upper arm.

ilia -- plural of ilium.

iliac crest -- the superior rim of the pelvic bone.

ilium -- the superior, broad fan-like portion of the pelvis or hip bone.

inferior -- below, in relation to another structure; lower.

inion -- the most posterior bony protuberance of the back of the head.

knuckle -- the joint formed by the meeting of a finger bone (phalanx) with a palm bone (metacarpal).

L

lateral -- lying near or toward the sides of the body; as opposed to medial.

lip prominence -- the most anterior protrusion of either the upper or the lower lip.

M

malleolus (malleoli pl.) -- the rounded bony projections which occur on both sides of the leg in the ankle region.

mandible -- the lower jaw.

mastoid process -- the bony projection directly behind the ear.

medial -- lying near or toward the midsagittal plane; as opposed to lateral.

menton -- the tip of the chin in the midsagittal plane.

metacarpal -- pertaining to the long bones of the palm.

metacarpal phalangeal joint -- a joint formed by the meeting of a finger bone (phalanx) with a palm bone (metacarpal), i.e. knuckle.

metatarsal -- a bone of the instep of the foot.

midaxillary line -- a vertical line passing through the centers of the armpits.

midaxillary plane -- the vertical plane passing through the centers of the armpits dividing the body into its front and back segments.

midpatella -- a point halfway between the upper and the lower margins of the patella.

midsagittal plane -- the vertical plane which divides the body into its right and left segments.

midshoulder -- a point halfway between the neck and the tip of the shoulder (acromion).

N

nasal root depression -- indentation where the bridge of the nose meets the forehead.

nasal septum -- the cartilaginous wall separating the right nostril from the left.

nuchale -- the lowest point, in the midsagittal plane, of the occiput that can be palpated among the muscles in the posterior-superior part of the neck. This point is often visually obscured by hair.

O

occipital bone -- a curved bone forming the back and part of the base of the skull.

occiput -- the back of the head.

ocular -- pertaining to the eye.

olecranon -- the upper (i.e. proximal) end of the medial forearm bone (ulna).

omphalion -- the center point of the navel.

orbit -- the eye socket.

otobasion (superior) -- the highest point at which the auricle joins the skin at the side of the head.

P

patella -- the kneecap.

pectoral -- pertaining to the anterior chest as the pectoral muscle which connects the arm and the chest.

phalanx (phalanges pl.) -- the bones of the fingers and toes.

philtrum -- the vertical groove that runs from the upper lip to the base of the nose.

popliteal -- pertaining to the ligament behind the knee or to the part of the leg back of the knee.

posterior -- pertaining to the back of the body; as opposed to anterior.

process -- an outgrowth or projection, as of a bone.

pronasale -- the tip of the nose.

proximal -- the end of a body segment nearest the head; as opposed to distal.

Q-R

radiale -- the uppermost point on the lateral margin of the proximal end of the radius at the end of the elbow.

radius -- the long bone of the forearm on the thumb side of the arm.

S

sagittal -- pertaining to the plane which divides the body into its right and left halves, or to any plane parallel to such a plane.

scapula -- the shoulder blade.

scrotale -- the dorsal point of juncture of the scrotum with the perineum.

scye -- a tailoring term to designate the armhole of a garment. Scye points landmarks which approximate the lower level of the axilla made with the subject's arms hanging relaxed and in contact with the upper torso.

sellion -- the point of greatest indentation of the nasal root depression.

septum -- a dividing wall between two cavities; the nasal septum is the fleshy partition between the two nasal cavities.

sphyrion -- the most distal extension of the tibia on the medial side of the foot.

spine (or spinal process) of vertebrae -- the posterior prominences of the vertebrae.

sternum -- the breastbone.

stomion -- the point of contact in the midsagittal plane of the upper and lower lips.

stylion -- the most distal point on the wrist of the styloid process of the radius, the forearm bone on the thumb side of the arm.

styloid process -- either one of two bony prominences on the wrist representing the most distal point of the radius and the ulna.

sub -- a prefix designating below or under.

submandibular -- below the mandible or lower jaw.

subnasale -- the bottom of the nose where the base of the nasal septum meets the philtrum.

substernale -- the inferior tip of the xiphoid process of the sternum or breastbone.

superior -- above, in relation to another structure; higher, as opposed to inferior.

supra -- prefix designating above or on.

suprasternale -- the lowest point in the notch in the upper edge of the breastbone.

T

tarsus -- the collection of bones in the ankle joint, at the distal end of the tibia.

temporal crest -- a narrow bony ridge along the side of the head above the ear level that serves as a point of attachment for the temporal muscle.

temporal muscles -- the muscles of the temple region.

tibiale -- the uppermost point of the medial margin of the shin bone (tibia).

tragion -- the cartilaginous notch forward of the upper edge of the earhole.

trochanteric -- referring to trochanterion.

trochanterion -- the tip of the bony lateral protrusion of the proximal
    end of the femur.

<div align="center">U-V</div>

ulna -- the bone of the forearm which runs from the tip of the elbow
    to the wrist on the same side as the little finger.

vertex -- the top of the head.

<div align="center">W</div>

waist level -- waist level is defined in numerous ways. In the surveys
    on which this report is based it was defined as follows:

    AFW'68 -- the level established by the subject placing
              an elastic tape around her "natural waist."

    FLY'67 -- the level of omphalion, the center of the navel.

    B-T'65 -- the level of omphalion, the center of the navel.

    FLY'50 -- the "natural waistline," the level of greatest
              lateral indentation in the region of the abdomen.
              If this natural waistline was not visible, the
              level at which the belt was worn was used.

    WAC'46 -- the minimal circumference between the iliac crests
              and the lower edge of the rib cage.

    LAW ENF -- the level of omphalion, the center of the navel.

wall -- the measurements made from tragion and points on the profile
    of the head "to wall" were made, in general, with the subject standing
    with the back and top of his head in contact with the two planes of
    the headboard. Wall, as used in the definitions of these measurements,
    refers to the vertical plane of the headboard.

wrist level -- the level found by measuring from the radial-stylion point
    across the anterior surface of the forearm perpendicular to the long
    axis of the forearm.

xiphoid -- the inferior cartilaginous process of the breastbone.

zygomatic arch -- the bony arch below the orbit of the skull running horizontally along the side of the head from the cheekbone (the zygomatic bone) almost to the ear.

APPENDIX B

CONFIDENCE LIMITS FOR THE
CORRELATION COEFFICIENTS

TABLE B-1

95% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFW'68	SURVEY FLY'67	SURVEY FLY'50	SURVEY B-T'65	SURVEY MAC'46	SURVEY HEXS/F	SURVEY HEX/F*	SURVEY HEXS/M	SURVEY HEXM*	SURVEY LAW ENF
0.000	-045,+045	-040,+040	-031,+031	-039,+039	-023,+023	-057,+057	-033,+033	-062,+062	-035,+035	-037,+037
.010	-045,+055	-040,+050	-031,+041	-039,+049	-023,+033	-057,+067	-033,+043	-062,+072	-035,+045	-037,+047
.020	-045,+065	-040,+060	-031,+051	-039,+059	-023,+043	-057,+077	-033,+053	-062,+082	-035,+055	-037,+057
.030	-045,+075	-040,+070	-031,+061	-039,+069	-023,+052	-057,+087	-033,+063	-062,+091	-035,+065	-037,+066
.040	-045,+085	-040,+080	-031,+071	-039,+079	-023,+062	-057,+097	-033,+073	-062,+101	-035,+075	-037,+076
.050	-045,+095	-040,+090	-031,+081	-039,+089	-023,+072	-057,+107	-033,+083	-062,+111	-035,+085	-037,+086
.060	-045,+105	-040,+100	-031,+091	-039,+099	-023,+082	-057,+117	-033,+093	-062,+121	-035,+095	-037,+096
.070	-045,+114	-040,+109	-031,+101	-039,+109	-022,+092	-057,+127	-033,+102	-062,+131	-035,+105	-037,+106
.080	-045,+124	-040,+119	-031,+111	-039,+119	-022,+102	-057,+137	-033,+112	-062,+141	-035,+115	-036,+116
.090	-045,+134	-040,+129	-031,+121	-039,+128	-022,+112	-057,+147	-033,+122	-061,+151	-035,+125	-036,+126
.100	-045,+144	-040,+139	-031,+130	-039,+138	-022,+122	-057,+156	-033,+132	-061,+161	-035,+135	-036,+136
.110	-045,+154	-040,+149	-031,+140	-039,+148	-022,+132	-057,+166	-032,+142	-061,+170	-035,+145	-036,+146
.120	-045,+164	-039,+159	-031,+150	-039,+158	-022,+142	-057,+176	-032,+152	-061,+180	-035,+154	-036,+156
.130	-044,+174	-039,+169	-031,+160	-039,+168	-022,+152	-057,+186	-032,+162	-061,+190	-035,+164	-036,+166
.140	-044,+184	-039,+179	-030,+170	-038,+178	-022,+162	-057,+196	-032,+172	-061,+200	-035,+174	-036,+176
.150	-044,+193	-039,+189	-030,+180	-038,+188	-022,+172	-057,+206	-032,+182	-061,+210	-035,+184	-036,+185
.160	-044,+203	-039,+198	-030,+190	-038,+198	-022,+182	-056,+215	-032,+192	-061,+219	-035,+194	-036,+195
.170	-044,+213	-039,+208	-030,+200	-038,+207	-022,+192	-056,+225	-032,+201	-060,+229	-034,+204	-036,+205
.180	-044,+223	-039,+218	-030,+210	-038,+217	-022,+202	-056,+235	-032,+211	-060,+239	-034,+214	-036,+215
.190	-044,+233	-039,+228	-030,+220	-038,+227	-022,+211	-056,+245	-032,+221	-060,+249	-034,+224	-036,+225
.200	-044,+243	-039,+238	-030,+229	-038,+237	-022,+221	-056,+254	-032,+231	-060,+258	-034,+233	-035,+235
.210	-043,+252	-038,+248	-030,+239	-038,+247	-022,+231	-056,+264	-032,+241	-060,+268	-034,+243	-035,+244
.220	-043,+262	-038,+257	-030,+249	-037,+257	-022,+241	-055,+274	-031,+251	-059,+278	-034,+253	-035,+254
.230	-043,+272	-038,+267	-030,+259	-037,+266	-021,+251	-055,+283	-031,+261	-059,+287	-034,+263	-035,+264
.240	-043,+282	-038,+277	-029,+269	-037,+276	-021,+261	-055,+293	-031,+270	-059,+297	-034,+273	-035,+274
.250	-043,+291	-038,+287	-029,+279	-037,+286	-021,+271	-055,+303	-031,+280	-059,+307	-033,+283	-035,+284
.260	-042,+301	-038,+297	-029,+288	-037,+296	-021,+281	-054,+313	-031,+290	-058,+316	-033,+292	-034,+294
.270	-042,+311	-037,+306	-029,+298	-037,+306	-021,+291	-054,+322	-031,+300	-058,+326	-033,+302	-034,+303
.280	-042,+321	-037,+316	-029,+308	-036,+315	-021,+300	-054,+332	-030,+310	-058,+336	-033,+312	-034,+313
.290	-042,+330	-037,+326	-029,+318	-036,+325	-021,+310	-053,+341	-030,+319	-057,+345	-033,+322	-034,+323
.300	-041,+340	-037,+336	-028,+328	-036,+335	-021,+320	-053,+351	-030,+329	-057,+355	-032,+331	-034,+333
.310	-041,+350	-036,+345	-028,+337	-036,+345	-021,+330	-053,+361	-030,+339	-057,+364	-032,+341	-033,+342
.320	-041,+359	-036,+355	-028,+347	-035,+354	-020,+340	-053,+370	-030,+349	-056,+374	-032,+351	-033,+352
.330	-041,+369	-036,+365	-028,+357	-035,+364	-020,+350	-052,+380	-029,+359	-056,+383	-032,+361	-033,+362
.340	-040,+379	-036,+374	-028,+367	-035,+374	-020,+359	-052,+389	-029,+368	-056,+393	-032,+370	-033,+372
.350	-040,+388	-035,+384	-027,+377	-035,+383	-020,+369	-051,+399	-029,+378	-055,+403	-031,+380	-033,+381
.360	-040,+398	-035,+394	-027,+386	-034,+393	-020,+379	-051,+409	-029,+388	-055,+412	-031,+390	-032,+391
.370	-039,+408	-035,+404	-027,+396	-034,+403	-020,+389	-051,+418	-029,+398	-054,+422	-031,+400	-032,+401
.380	-039,+417	-035,+413	-027,+406	-034,+412	-019,+399	-050,+428	-028,+407	-054,+431	-031,+409	-032,+410
.390	-039,+427	-035,+423	-027,+416	-034,+422	-019,+409	-050,+437	-028,+417	-054,+441	-030,+419	-031,+420
.400	-038,+437	-034,+433	-026,+425	-033,+432	-019,+418	-049,+447	-028,+427	-053,+450	-030,+429	-031,+430
.410	-038,+446	-034,+442	-026,+435	-033,+442	-019,+428	-049,+456	-028,+436	-053,+460	-030,+439	-030,+440
.420	-038,+456	-033,+452	-026,+445	-033,+451	-019,+438	-048,+466	-027,+446	-052,+469	-029,+448	-031,+449
.430	-037,+465	-033,+462	-026,+455	-032,+461	-019,+448	-048,+475	-027,+456	-052,+479	-029,+458	-030,+459
.440	-037,+475	-033,+471	-025,+464	-032,+470	-018,+458	-048,+485	-027,+466	-051,+488	-029,+468	-030,+469
.450	-037,+485	-032,+481	-025,+474	-032,+480	-018,+467	-047,+494	-027,+475	-051,+497	-029,+477	-030,+478
.460	-036,+494	-032,+490	-025,+484	-031,+490	-018,+477	-047,+504	-026,+485	-050,+507	-028,+487	-029,+488
.470	-036,+504	-032,+500	-025,+493	-031,+499	-018,+487	-046,+513	-026,+495	-049,+516	-028,+497	-029,+498
.480	-035,+513	-031,+510	-024,+503	-031,+509	-018,+497	-045,+523	-026,+504	-049,+526	-028,+506	-029,+507
.490	-035,+523	-031,+519	-024,+513	-030,+519	-017,+506	-045,+532	-025,+514	-048,+535	-027,+516	-028,+517

TABLE B-1 (continued)

TABLE B-1

95% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFW*68	SURVEY FLY*67	SURVEY FLY*50	SURVEY B-T*65	SURVEY WAC*46	SURVEY HEXS/F	SURVEY HEX/F*	SURVEY HEXS/M	SURVEY HEX/M*	SURVEY LAW ENF
.500	-034,+532	-030,+529	-024,+522	-030,+528	-017,+516	-044,+541	-025,+524	-048,+544	-027,+525	-028,+526
.510	-034,+542	-030,+538	-023,+532	-029,+538	-017,+526	-044,+551	-025,+533	-047,+553	-027,+535	-028,+536
.520	-034,+551	-030,+548	-023,+542	-029,+547	-017,+536	-043,+560	-024,+543	-046,+563	-026,+545	-027,+546
.530	-033,+561	-029,+558	-023,+551	-029,+557	-016,+545	-043,+570	-024,+553	-046,+572	-025,+554	-027,+555
.540	-033,+571	-029,+567	-022,+561	-028,+567	-016,+555	-042,+579	-023,+562	-045,+582	-025,+564	-026,+565
.550	-032,+580	-028,+577	-022,+571	-028,+576	-016,+565	-041,+588	-023,+572	-044,+591	-025,+574	-026,+574
.560	-032,+590	-028,+586	-022,+580	-027,+586	-016,+575	-041,+598	-023,+582	-044,+600	-024,+583	-025,+584
.570	-031,+599	-028,+596	-021,+590	-027,+595	-015,+584	-040,+607	-023,+591	-043,+610	-024,+593	-025,+594
.580	-031,+608	-027,+605	-021,+600	-026,+605	-015,+594	-040,+616	-022,+601	-042,+619	-024,+602	-025,+603
.590	-030,+618	-027,+615	-021,+609	-026,+614	-015,+604	-039,+626	-022,+610	-042,+628	-023,+612	-024,+613
.600	-030,+627	-026,+624	-020,+619	-026,+624	-015,+614	-038,+635	-021,+620	-041,+637	-023,+621	-024,+622
.610	-029,+637	-025,+634	-020,+628	-025,+633	-014,+623	-037,+644	-021,+630	-040,+647	-023,+631	-023,+632
.620	-028,+646	-025,+643	-019,+638	-025,+643	-014,+633	-037,+654	-021,+639	-039,+656	-022,+641	-023,+641
.630	-028,+656	-025,+653	-019,+648	-024,+652	-014,+643	-036,+663	-020,+649	-039,+665	-022,+650	-023,+651
.640	-027,+665	-024,+662	-019,+657	-024,+662	-014,+652	-035,+672	-020,+658	-038,+674	-021,+660	-022,+660
.650	-027,+675	-024,+672	-018,+667	-023,+671	-013,+662	-034,+681	-019,+668	-037,+684	-021,+669	-022,+670
.660	-026,+684	-023,+681	-018,+676	-023,+681	-013,+672	-034,+691	-019,+677	-036,+693	-020,+679	-021,+680
.670	-026,+693	-023,+691	-017,+686	-022,+690	-013,+682	-033,+700	-018,+687	-036,+702	-020,+688	-021,+689
.680	-025,+703	-022,+700	-017,+696	-022,+700	-012,+691	-032,+709	-018,+697	-035,+711	-019,+698	-020,+699
.690	-024,+712	-021,+710	-017,+705	-021,+709	-012,+701	-031,+718	-018,+706	-034,+720	-019,+707	-020,+708
.700	-024,+722	-021,+719	-016,+715	-020,+719	-012,+711	-031,+727	-017,+716	-033,+729	-018,+717	-019,+717
.710	-023,+731	-020,+729	-016,+724	-020,+728	-011,+720	-030,+737	-017,+725	-032,+739	-018,+726	-019,+727
.720	-022,+740	-020,+738	-015,+734	-019,+738	-011,+730	-029,+746	-016,+735	-031,+748	-017,+736	-018,+736
.730	-022,+750	-019,+747	-015,+743	-019,+747	-011,+740	-028,+755	-016,+744	-030,+757	-017,+745	-018,+746
.740	-021,+759	-019,+757	-014,+753	-018,+756	-010,+749	-027,+764	-015,+754	-029,+766	-016,+755	-017,+755
.750	-021,+768	-018,+766	-013,+763	-018,+766	-010,+759	-026,+773	-015,+763	-028,+775	-016,+764	-016,+765
.760	-020,+778	-017,+776	-013,+772	-017,+775	-010,+769	-025,+782	-014,+773	-027,+784	-015,+774	-016,+774
.770	-019,+787	-017,+785	-013,+782	-016,+785	-009,+778	-024,+792	-014,+782	-026,+793	-015,+783	-015,+784
.780	-018,+796	-016,+794	-012,+791	-016,+794	-009,+788	-024,+801	-013,+792	-025,+802	-014,+793	-015,+793
.790	-018,+806	-015,+804	-012,+801	-015,+803	-009,+798	-023,+810	-013,+801	-024,+811	-014,+802	-014,+803
.800	-017,+815	-015,+813	-011,+810	-014,+813	-008,+807	-022,+819	-012,+811	-023,+820	-013,+812	-014,+812
.810	-016,+824	-014,+822	-011,+820	-014,+822	-008,+817	-021,+828	-012,+820	-022,+829	-012,+821	-013,+821
.820	-015,+833	-013,+832	-010,+829	-013,+832	-008,+826	-020,+837	-011,+830	-021,+838	-012,+830	-012,+831
.830	-015,+843	-013,+841	-010,+839	-013,+841	-007,+836	-019,+846	-010,+839	-020,+847	-011,+840	-012,+840
.840	-014,+852	-012,+851	-009,+848	-012,+850	-007,+846	-019,+855	-010,+849	-019,+856	-011,+849	-011,+850
.850	-013,+861	-011,+860	-009,+858	-011,+860	-006,+855	-017,+864	-009,+858	-018,+865	-010,+859	-010,+859
.860	-012,+870	-010,+870	-008,+867	-010,+869	-006,+865	-016,+873	-009,+867	-017,+874	-009,+868	-010,+868
.870	-011,+880	-010,+878	-008,+876	-010,+878	-006,+875	-015,+882	-008,+877	-016,+883	-009,+877	-009,+878
.880	-011,+889	-009,+888	-007,+886	-009,+888	-005,+884	-014,+891	-008,+886	-015,+892	-008,+887	-009,+887
.890	-010,+898	-009,+897	-007,+895	-008,+897	-005,+894	-013,+900	-007,+896	-014,+901	-008,+896	-008,+896
.900	-009,+907	-008,+906	-006,+905	-008,+906	-004,+903	-010,+909	-006,+905	-012,+910	-007,+906	-007,+906
.910	-008,+917	-007,+916	-005,+914	-007,+916	-004,+913	-010,+918	-006,+915	-011,+919	-006,+915	-007,+915
.920	-007,+926	-006,+925	-005,+924	-006,+925	-004,+922	-009,+927	-005,+924	-010,+928	-006,+924	-006,+925
.930	-006,+935	-006,+934	-004,+933	-005,+934	-003,+932	-007,+936	-005,+933	-009,+937	-004,+934	-005,+934
.940	-005,+944	-005,+944	-004,+943	-005,+943	-003,+942	-006,+945	-004,+943	-008,+946	-004,+943	-004,+943
.950	-005,+953	-004,+953	-003,+952	-004,+953	-002,+951	-005,+954	-003,+952	-006,+955	-003,+952	-004,+952
.960	-004,+962	-003,+962	-003,+961	-003,+962	-002,+961	-004,+963	-003,+962	-005,+964	-002,+962	-003,+962
.970	-003,+972	-002,+971	-002,+971	-002,+971	-001,+970	-003,+972	-002,+971	-004,+972	-001,+971	-002,+971
.980	-002,+981	-002,+981	-001,+980	-002,+981	-001,+980	-002,+981	-001,+980	-003,+981	-001,+980	-002,+980
.990	-001,+990	-001,+990	-001,+990	-001,+990	-000,+989	-001,+990	-001,+990	-001,+990	-001,+990	-001,+990

TABLE B-2

99% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFW*68	SURVEY FLY*67	SURVEY FLY*50	SURVEY B-T'65	SURVEY WAC'46	SURVEY HEXS/F	SURVEY HEX/F*	SURVEY HEXS/M	SURVEY HEX/M*	SURVEY LAW ENF
.000	-059,+059	-052,+052	-041,+041	-051,+051	-030,+030	-076,+076	-043,+043	-081,+081	-046,+046	-048,+048
.010	-059,+069	-052,+062	-041,+051	-051,+061	-030,+040	-076,+085	-043,+053	-081,+091	-046,+056	-048,+058
.020	-059,+079	-052,+072	-041,+061	-051,+071	-030,+050	-076,+095	-043,+063	-081,+101	-046,+066	-048,+068
.030	-059,+089	-052,+082	-041,+071	-051,+081	-030,+060	-076,+105	-042,+073	-081,+111	-046,+076	-048,+078
.040	-059,+099	-052,+092	-041,+081	-051,+091	-030,+070	-076,+115	-043,+083	-081,+121	-046,+086	-048,+088
.050	-059,+109	-052,+102	-041,+091	-051,+101	-030,+080	-076,+125	-043,+093	-081,+130	-046,+096	-048,+098
.060	-059,+119	-052,+112	-041,+100	-051,+111	-030,+089	-076,+135	-043,+103	-081,+140	-046,+106	-048,+108
.070	-059,+128	-052,+122	-041,+110	-051,+121	-030,+099	-076,+145	-043,+113	-081,+150	-046,+116	-048,+118
.080	-059,+138	-052,+132	-041,+120	-051,+131	-030,+109	-076,+155	-043,+123	-081,+160	-046,+126	-048,+128
.090	-059,+148	-052,+142	-041,+130	-051,+141	-030,+119	-075,+164	-043,+133	-081,+170	-046,+136	-048,+137
.100	-059,+158	-052,+152	-041,+140	-051,+150	-029,+129	-075,+174	-043,+142	-081,+179	-046,+146	-048,+147
.110	-059,+168	-052,+161	-040,+150	-051,+160	-029,+139	-075,+184	-043,+152	-081,+189	-046,+155	-048,+157
.120	-059,+178	-052,+171	-040,+160	-051,+170	-029,+149	-075,+194	-043,+162	-081,+199	-046,+165	-048,+167
.130	-059,+188	-052,+181	-040,+170	-051,+180	-029,+159	-075,+203	-043,+172	-081,+209	-046,+175	-048,+177
.140	-058,+197	-052,+191	-040,+180	-051,+190	-029,+169	-075,+213	-043,+182	-080,+218	-046,+185	-048,+187
.150	-058,+207	-052,+201	-040,+189	-051,+200	-029,+179	-075,+223	-042,+192	-080,+228	-046,+195	-047,+197
.160	-058,+217	-052,+211	-040,+199	-050,+209	-029,+189	-075,+233	-042,+202	-080,+238	-046,+205	-047,+206
.170	-058,+227	-051,+220	-040,+209	-050,+219	-029,+199	-074,+242	-042,+211	-080,+247	-045,+215	-047,+216
.180	-058,+236	-051,+230	-040,+219	-050,+229	-029,+208	-074,+252	-042,+221	-080,+257	-045,+224	-047,+226
.190	-058,+246	-051,+240	-040,+229	-050,+239	-029,+218	-074,+262	-042,+231	-079,+267	-045,+234	-047,+236
.200	-057,+256	-051,+250	-039,+239	-050,+249	-029,+228	-074,+271	-042,+241	-079,+276	-045,+244	-047,+246
.210	-057,+266	-051,+259	-039,+248	-050,+258	-029,+238	-073,+281	-042,+251	-079,+286	-045,+254	-046,+255
.220	-057,+275	-050,+269	-039,+258	-049,+268	-028,+248	-073,+290	-041,+260	-079,+296	-045,+263	-046,+265
.230	-057,+285	-050,+279	-039,+268	-049,+278	-028,+258	-073,+300	-041,+270	-078,+305	-044,+273	-046,+275
.240	-056,+295	-050,+289	-039,+278	-049,+288	-028,+268	-073,+310	-041,+280	-078,+315	-044,+283	-046,+285
.250	-056,+304	-050,+298	-039,+288	-049,+297	-028,+277	-072,+319	-041,+290	-078,+324	-044,+293	-046,+294
.260	-056,+314	-050,+308	-038,+297	-049,+307	-028,+287	-072,+329	-041,+299	-077,+334	-044,+302	-045,+304
.270	-056,+324	-049,+318	-038,+307	-048,+317	-028,+297	-071,+338	-040,+309	-077,+343	-044,+312	-045,+314
.280	-055,+333	-049,+327	-038,+317	-048,+326	-028,+307	-071,+348	-040,+319	-076,+353	-043,+322	-045,+324
.290	-055,+343	-049,+337	-038,+327	-048,+336	-027,+317	-071,+357	-040,+329	-076,+362	-043,+332	-045,+333
.300	-055,+353	-048,+347	-038,+336	-047,+346	-027,+326	-070,+367	-040,+338	-076,+372	-043,+341	-044,+343
.310	-054,+362	-048,+356	-037,+346	-047,+355	-027,+336	-070,+376	-039,+348	-075,+381	-043,+351	-044,+353
.320	-054,+372	-048,+366	-037,+356	-047,+365	-027,+346	-069,+386	-039,+358	-075,+391	-042,+361	-044,+362
.330	-053,+381	-048,+376	-037,+366	-046,+375	-027,+356	-069,+395	-039,+368	-074,+400	-042,+370	-044,+372
.340	-053,+391	-047,+385	-037,+375	-046,+384	-027,+366	-069,+405	-039,+377	-074,+409	-042,+380	-043,+382
.350	-053,+400	-047,+395	-036,+385	-046,+394	-026,+375	-068,+414	-038,+387	-073,+419	-041,+390	-043,+391
.360	-052,+410	-047,+404	-036,+395	-045,+403	-026,+385	-068,+424	-038,+396	-073,+428	-041,+399	-043,+401
.370	-052,+420	-046,+414	-036,+404	-045,+413	-026,+395	-067,+433	-038,+406	-072,+438	-041,+409	-042,+410
.380	-052,+429	-046,+423	-035,+414	-045,+423	-026,+405	-067,+442	-037,+416	-072,+447	-040,+419	-042,+420
.390	-051,+439	-045,+433	-035,+423	-044,+432	-025,+414	-066,+452	-037,+426	-071,+456	-040,+428	-042,+430
.400	-051,+448	-045,+443	-035,+433	-044,+442	-025,+424	-065,+461	-037,+435	-070,+466	-040,+438	-041,+439
.410	-050,+457	-045,+452	-035,+443	-044,+451	-025,+434	-065,+471	-037,+445	-070,+475	-039,+447	-041,+449
.420	-050,+467	-044,+462	-034,+453	-043,+461	-025,+444	-064,+480	-036,+454	-069,+484	-039,+457	-040,+458
.430	-049,+477	-044,+471	-034,+462	-043,+470	-025,+453	-064,+489	-036,+464	-068,+493	-039,+467	-040,+468
.440	-049,+486	-043,+481	-033,+472	-042,+480	-024,+463	-063,+499	-035,+474	-068,+502	-038,+476	-040,+478
.450	-048,+495	-043,+490	-033,+481	-042,+490	-024,+473	-063,+508	-035,+483	-067,+512	-038,+486	-039,+487
.460	-048,+505	-042,+500	-033,+491	-041,+499	-023,+483	-062,+517	-034,+493	-066,+521	-037,+495	-039,+497
.470	-047,+514	-042,+509	-032,+501	-041,+509	-023,+492	-061,+526	-034,+502	-066,+530	-037,+505	-038,+506
.480	-047,+524	-041,+519	-032,+510	-040,+518	-023,+502	-060,+536	-034,+512	-065,+540	-037,+514	-038,+516
.490	-046,+533	-041,+528	-032,+520	-040,+528	-023,+512	-060,+545	-033,+522	-064,+549	-036,+524	-037,+525

TABLE B-2 (continued)

TABLE B-2

99% CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

-R-	SURVEY AFW'68	SURVEY FLY'67	SURVEY FLY'50	SURVEY B-T'65	SURVEY WAC'46	SURVEY HEXS/F	SURVEY HEX/F*	SURVEY HEXS/M	SURVEY HEX/M*	SURVEY LAW ENF
.500	-046,+543	-040,+538	-031,+529	-039,+537	-023,+521	-059,+554	-033,+531	-063,+558	-036,+534	-037,+535
.510	-045,+552	-040,+547	-031,+539	-039,+546	-022,+531	-058,+563	-033,+541	-063,+567	-035,+543	-037,+544
.520	-044,+561	-039,+557	-030,+549	-038,+556	-022,+541	-057,+573	-032,+550	-062,+576	-035,+553	-036,+554
.530	-044,+571	-039,+566	-030,+558	-038,+565	-021,+550	-057,+582	-032,+560	-061,+585	-034,+562	-036,+563
.540	-043,+580	-038,+576	-030,+568	-037,+575	-021,+560	-056,+591	-031,+569	-060,+594	-034,+572	-035,+573
.550	-043,+589	-037,+585	-029,+577	-037,+584	-021,+570	-055,+600	-031,+579	-059,+604	-033,+581	-034,+582
.560	-042,+599	-037,+594	-029,+587	-036,+593	-021,+579	-054,+609	-030,+588	-058,+613	-033,+590	-034,+592
.570	-041,+608	-036,+604	-028,+596	-036,+603	-020,+589	-053,+618	-030,+598	-057,+622	-032,+600	-033,+601
.580	-041,+617	-036,+613	-028,+606	-035,+612	-020,+599	-052,+627	-029,+607	-056,+631	-032,+609	-033,+611
.590	-040,+627	-035,+623	-027,+615	-034,+622	-020,+608	-052,+637	-029,+617	-055,+640	-031,+619	-032,+620
.600	-039,+636	-035,+632	-027,+625	-034,+631	-019,+618	-051,+646	-028,+626	-055,+649	-031,+628	-032,+629
.610	-038,+645	-034,+641	-026,+634	-033,+641	-019,+628	-050,+655	-028,+636	-054,+658	-030,+638	-031,+639
.620	-038,+654	-033,+651	-026,+644	-033,+650	-019,+637	-049,+664	-027,+645	-053,+667	-029,+647	-031,+648
.630	-037,+664	-033,+660	-025,+653	-032,+659	-018,+647	-048,+673	-027,+655	-052,+676	-029,+657	-030,+658
.640	-036,+673	-032,+669	-025,+663	-031,+669	-018,+657	-047,+682	-026,+664	-050,+685	-028,+666	-029,+667
.650	-035,+682	-031,+679	-024,+672	-031,+678	-017,+666	-046,+691	-026,+674	-049,+694	-028,+675	-029,+676
.660	-035,+691	-031,+688	-024,+682	-030,+687	-017,+676	-045,+700	-025,+683	-048,+703	-027,+685	-028,+686
.670	-034,+701	-030,+697	-023,+691	-029,+697	-017,+685	-044,+709	-025,+692	-047,+712	-026,+694	-027,+695
.680	-033,+710	-029,+707	-023,+701	-029,+706	-016,+695	-043,+718	-024,+702	-046,+721	-026,+703	-027,+704
.690	-032,+719	-028,+716	-022,+710	-028,+715	-016,+705	-042,+727	-023,+711	-045,+730	-025,+713	-026,+714
.700	-031,+728	-028,+725	-021,+720	-027,+725	-015,+714	-041,+736	-023,+721	-044,+738	-024,+722	-025,+723
.710	-031,+737	-027,+734	-021,+729	-026,+734	-015,+724	-040,+745	-022,+730	-043,+747	-024,+732	-025,+732
.720	-030,+747	-026,+744	-020,+738	-026,+743	-015,+733	-038,+754	-021,+739	-041,+756	-023,+741	-024,+742
.730	-029,+756	-025,+753	-020,+748	-025,+752	-014,+743	-037,+763	-021,+749	-040,+765	-022,+750	-023,+751
.740	-028,+765	-025,+762	-019,+757	-024,+762	-014,+752	-036,+772	-020,+758	-039,+774	-022,+760	-023,+760
.750	-027,+774	-024,+771	-018,+767	-023,+771	-013,+762	-035,+781	-019,+768	-038,+783	-021,+769	-022,+770
.760	-026,+783	-023,+781	-018,+776	-023,+780	-013,+772	-034,+789	-019,+777	-036,+791	-020,+778	-021,+779
.770	-025,+792	-022,+790	-017,+785	-022,+789	-012,+781	-033,+798	-018,+786	-035,+800	-020,+787	-020,+788
.780	-024,+801	-021,+799	-016,+795	-021,+799	-012,+791	-031,+807	-017,+796	-034,+809	-019,+797	-020,+797
.790	-023,+810	-021,+808	-016,+804	-020,+808	-011,+800	-030,+816	-017,+805	-033,+818	-018,+806	-019,+807
.800	-022,+820	-020,+817	-015,+813	-019,+817	-011,+810	-029,+825	-016,+814	-031,+827	-017,+815	-018,+816
.810	-021,+829	-019,+826	-015,+823	-018,+826	-010,+819	-028,+834	-015,+824	-030,+835	-017,+825	-017,+825
.820	-020,+838	-018,+836	-014,+832	-018,+835	-010,+829	-026,+842	-014,+833	-028,+844	-016,+834	-016,+834
.830	-019,+847	-017,+845	-013,+841	-017,+844	-009,+838	-025,+851	-014,+842	-027,+853	-015,+843	-016,+844
.840	-018,+856	-016,+854	-012,+851	-016,+854	-009,+848	-024,+860	-013,+851	-026,+861	-014,+852	-015,+853
.850	-017,+865	-015,+863	-012,+860	-015,+863	-008,+857	-022,+869	-012,+861	-024,+870	-013,+862	-014,+862
.860	-016,+874	-014,+872	-011,+869	-014,+872	-008,+867	-021,+878	-012,+870	-023,+879	-013,+871	-013,+871
.870	-015,+883	-013,+881	-010,+879	-013,+881	-007,+876	-020,+886	-011,+879	-021,+888	-012,+880	-012,+880
.880	-014,+892	-012,+890	-010,+888	-012,+890	-007,+886	-018,+895	-010,+888	-020,+896	-011,+889	-011,+890
.890	-013,+901	-011,+900	-009,+897	-011,+899	-006,+895	-017,+904	-009,+898	-018,+905	-010,+898	-010,+899
.900	-012,+910	-010,+909	-008,+907	-010,+908	-006,+905	-015,+913	-009,+907	-017,+913	-009,+908	-010,+908
.910	-011,+919	-009,+918	-007,+916	-009,+918	-005,+914	-014,+921	-008,+916	-015,+922	-008,+917	-009,+917
.920	-010,+928	-008,+927	-007,+925	-008,+927	-005,+924	-012,+930	-007,+925	-013,+931	-007,+926	-008,+926
.930	-008,+937	-007,+936	-006,+934	-007,+936	-004,+933	-011,+939	-006,+935	-012,+939	-007,+935	-006,+935
.940	-007,+946	-006,+944	-005,+944	-006,+945	-004,+942	-009,+947	-005,+944	-010,+948	-006,+944	-006,+944
.950	-006,+955	-005,+954	-004,+953	-005,+954	-003,+952	-008,+956	-004,+953	-009,+956	-005,+953	-005,+954
.960	-005,+963	-004,+963	-003,+962	-004,+963	-002,+961	-006,+965	-003,+962	-007,+965	-003,+963	-004,+963
.970	-004,+972	-003,+972	-003,+971	-003,+972	-002,+971	-005,+973	-003,+971	-005,+973	-003,+972	-003,+972
.980	-002,+981	-002,+981	-002,+981	-002,+981	-001,+980	-003,+982	-002,+981	-003,+982	-002,+981	-002,+981
.990	-001,+990	-001,+990	-001,+990	-001,+990	-001,+990	-002,+990	-001,+990	-002,+991	-001,+990	-001,+990

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APPENDIX C

COMPUTER PROGRAMS

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      PROGRAM MSDF                                                      MSDF   10
     *(INPUT,CUTPUT,TAPE5=INPUT,TAPE6=CUTPUT,TAPE9,PUNCH)               MSDF   20
C                                                                       MSDF   30
C           THE DATA STREAM                                             MSDF   40
C           ....THE NAMELIST MINNY (EVEN IF IT IS EMPTY)                MSDF   50
C           ....IF NDAYBK>0, THE DATABOOK STUFF                         MSDF   60
C           ....WHAT EVER INA75 & INB75 WANT                            MSDF   70
C.....INA75 AND INB75 PROVIDE THE CONTENTS OF COMMON/HEAD/ AND COMMON   MSDF   80
C     /DATUMS/ WITH THE EXCEPTION OF NMAX WHICH IS CALCULATED BY THE    MSDF   90
C     PROGRAM AND EQUALS THE FIRST DIMENSION OF ARRAY F.  NMAX IS THE   MSDF  100
C     LARGEST NUMBER OF VARIABLES THAT CAN BE PROCESSED.                MSDF  110
C                                                                       MSDF  120
      COMMON/HEAD/HDG(20),ID,NPG,WHEN(3)                                MSDF  130
      COMMON/DATUMS/X1(205),NAY(205,5),A(205,7),NV,NMAX,NSUE            MSDF  140
C                                                                       MSDF  150
C-----THE FOLLCWING DIMENSION STATEMENT IS USUALLY THE ONLY THING TO BE MSDF  160
C.....CHANGED. IT SHOULD REFLECT THE MAXIMUM NUMBER OF VARIABLES TO BE  MSDF  170
C.....PROCESSED                                                         MSDF  180
      DIMENSION F(205,50),S(205,5),NEK(205),MC(205)                     MSDF  190
C                                                                       MSDF  200
C.....THE CONTENTS OF COMMON/DAY/ ARE PROVIDED BY THE BLOCK DATA        MSDF  210
C     SUBROUTINE.  ARRAY PEG CONTAINS THE CONSTANS FOR CALCULATING THE  MSDF  220
C     THE ORTHOGONAL POLYNOMIAL.  ARRAY P CONTAINS THE VALUES OF THE    MSDF  230
C     PERCENTILES DESIRED                                               MSDF  240
      COMMON/DAY/PEG(25,4),P(25)                                        MSDF  250
C                                                                       MSDF  260
C.....THE VALUES OF A ARE THE MIN,MAX,APROX MEAN, INTERVAL WIDTHS, AND  MSDF  270
C     CONVERSION FACTORS                                                MSDF  280
      EQUIVALENCE (AA(1),A(1,1)),(AB(1),A(1,2)),(AC(1),A(1,3)),         MSDF  290
     1           (WIC(1),A(1,5)),(CST(1),A(1,6)),(CCST(1),A(1,7)),      MSDF  300
      DIMENSION AA(1),AB(1),AC(1),WIC(1),CST(1),CCST(1)                 MSDF  310
      DIMENSION PTL(25),SPTL(25),CAN(33),ANS(66)                        MSDF  320
      EQUIVALENCE (ANS(1),AVG),(ANS(2),SEM),(ANS(3),SD),(ANS(4),SESD),  MSDF  330
     1           (ANS(5),SPTL(1)),(ANS(30),V1,(ANS(31),V1),(ANS(32),V2) MSDF  340
     2           ,(ANS(33),N),(ANS(34),CAN)                            MSDF  350
      DIMENSION XL(51),XU(1),CF(50),FF(50),IFF(50),CPF(50),IFF(50),ICF(50), MSDF 360
     1           W(5),C(5)                                             MSDF  370
      DIMENSION IC(10),IT(50),I9(8)                                     MSDF  380
      DIMENSION ICUT(17),LL(13)                                         MSDF  390
      DIMENSION BLANK(3),UN(3),CENT(3),BFCT(3),BGCT(3)                  MSDF  400
C                                                                       MSDF  410
C.....NAMELIST MINNY CONTAINS THE SUNDRY CONTROL VALUES FOR THIS PROGRAM MSDF 420
C     NF..THE MAXIMUM NUMBER CF LINES IN THE FREQUENCY TABLES (50)      MSDF  430
C     ZMN..THE CHECK CONSTANT FOR THE SMOOTHED PERCENTILES (2.0)        MSDF  440
C     NGN..DETERMINES THE FORMULA FCR THE COMPUTATION OF THE STANDARD   MSDF  450
C          CEVIATION.                                                   MSDF  460
C          IF NGN=1, AN UNBIASED ESTIMATE (FOR NORMAL VARIABLES) IS     MSDF  470
C          APPROXIMATED BY DIVIDING BY N-1.5                           MSDF  480
C          IF NGN=2, WE DIVIDE BY N-1                                   MSDF  490
C          OTHERWISE, WE DIVIDE BY N                                    MSDF  500
C     NPCH>0 MEANS FULL PUNCH OUTPUT                                    MSDF  510
C     NDAYBK>0 MEANS PUNCH OUTPUT FOR DATA BOOK/FOR I.LE.NDAYBK         MSDF  520
C     N2LINE>0 MEANS PUNCH OUTPUT FOR TWO LINE LISTING                  MSDF  530
C     NAGE..THE NUMBER OF A VARIABLE TO WHICH 0.5 SHOULD BE             MSDF  540
C          ACCED TO ALL MEASURES OF LOCATION                           MSDF  550
C     NBOCK..DATA BOOK GROUP IC                                         MSDF  560
      NAMELIST/MINNY/NF,ZMN,NGN,NPCH,NDAYBK,N2LINE,NBOOK                MSDF  570
      DATA NF,ZMN,NGN,NPCH,NDAYBK,N2LINE,NAGE,NBOOK                     MSDF  580
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      1/50,2.0,0,0,0,0,999,0/                                           MSDP 590
      DATA HC1,HO2,HO3,HO4/1HS,1HT,1HU,1FV/                             MSDP 600
      DATA BLAK,UN,CENT/2*4H   ,2H ,4HUNSM,4HCOTH,2HED,4H CEN,4HTILE,   MSDP 610
     *2HS /                                                             MSDP 620
C     THE FOLLCWING DATA LISTS SELECT VARIABLES FOR PUNCH OUTPUT        MSDP 630
C                                                                       MSDP 640
      DATA I9/1,3,30,31,32,33,34,36/                                    MSDP 650
      DATA LL/5,6,8,9,10,12,17,22,24,25,26,28,29/                       MSDP 660
C                                                                       MSDP 670
C     THE FOLLCWING TWO FUNCTIONS ARE USED IN CONVERTING FLOATING       MSDP 680
C     ANSWERS TO INTEGERS FOR PUNCHING                                  MSDP 690
      IWZ(Z)=100.0*Z+SIGN(C.5,Z)                                        MSDP 700
      IW(Z)=10.*Z+SIGN(0.5,Z)                                           MSDP 710
      READ(5,MINNY)                                                     MSDP 720
      NPCK=NFC+NCAYRK+N2LINE                                            MSDP 730
      WRITE(6,MINY)                                                     MSDP 740
C     THE SIZE CF THE F-ARRAY IS DETERMINED AND TRANSMITTED TO INA75    MSDP 750
      F(1,2)=123.321                                                    MSDP 760
      DO 1 L=1,9999                                                     MSDP 770
      IF(F(L,1).EG.123.321) GO TO 2                                     MSDP 780
    1 CONTINUE                                                          MSDP 790
    2 NMAX=L-1                                                          MSDP 800
      IF(NBCCK.EG.0) GOTO31                                            MSDP 810
      READ(5,30) (N3K(J),J=1,NDAYBK)                                    MSDP 820
      WRITE(6,30) (NBK(J),J=1,NDAYBK)                                   MSDP 830
   30 FORMAT(2CX,20I3)                                                  MSDP 840
      READ(5,41)(MC(J),J=1,NDAYBK)                                      MSDP 850
      WRITE(6,41)(MC(J),J=1,NDAYBK)                                     MSDP 860
   41 FORMAT(10X,50A1)                                                  MSDP 870
   31 CONTINUE                                                          MSDP 880
C                                                                       MSDP 890
C**** INA75 IS CALLED ONCE AND PROVIDES THE VARIABLE NAMES (NAY(I,J),   MSDP 900
C     J=1,5), THE VALUES (A(I,J),J=1,7) FOR EACH VARIABLE, THE NUMBER OFMSDP 910
C     VARIABLES (NV), AN 8C CHARACTER HEADING (HDG(J),J=1,20), AND THE  MSDP 920
C     DATE (WHEN(J),J=1,3)                                              MSDP 930
      CALL INA75                                                        MSDP 940
      DO 11 J=1,NV                                                      MSDP 950
      IF(AB(J)-AA(J).LE.NP*WID(J)) GC TO 9984                           MSDP 960
      PRINT 9985,J,AA(J),AF(J),WID(J)                                   MSDP 970
 9985 FORMAT(///34H WID(I) TOO SMALL FCR VARIABLE NO. ,I5,3F10.2)       MSDP 980
      STCF                                                              MSDP 990
 9984 DO 12 K=1,5                                                       MSDP1000
   12 S(J,K) = C.0                                                      MSDP1010
      DO 13 K=1,NF                                                      MSDP1020
   13 F(J,K) = 0.0                                                      MSDP1030
   11 CONTINUE                                                          MSDP1040
C                                                                       MSDP1050
C**** INE75 PROVIDES EACH TIME IT IS CALLED A DATA RECORC CONSISTING    MSDP1060
C     OF A SUBJECT NO. (NSLB) PLUS NV DATA VALUES (X(I)). AFTER THE LASTMSDP1070
C     DATA RECCRD, NSUB=-13 IS RETURNEC                                 MSDP1080
   10 CALL INE75                                                        MSDP1090
      IF (NSUE.LE.0) GO TO 99                                           MSDP1100
      DO 3 I=1,NV                                                       MSDP1110
      IF (X(I).EQ.0.0) GO TO 3                                          MSDP1120
      Y=X(I)-AC(I)                                                      MSDP1130
      Z=1.0                                                             MSDP1140
      DO 4 J=1,5                                                        MSDP1150
      S(I,J)=S(I,J)+Z                                                   MSDP1160
    4 Z=Z*Y                                                             MSDP1170
C**** DETERMINE APPROPRIATE INTERVAL IN FREQUENCY TABLE                 MSDP1180
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      J=(X(I)-AA(I))/WID(I)+1.0
C **** CHECK THAT SELECTED INTERVAL IS LEGAL. IF NOT, IGNORE DATUM AND
C     WRITE AN ERROR MESSAGE AND STOP
      IF(J.GE.1.AND.J.LE.NF) GO TO 9987
      WRITE (6,999) NSUB, I, J, X(I)
  999 FORMAT(35H INTERVAL VALUE <1 OR >NF FOR NSUB=,I5,2I4,F7.1)
      STOP
 9987 CONTINUE
      F(I,J)=F(I,J)+1.0
    3 CONTINUE
      GO TO 10
   99 CONTINUE
C **** SUMMATIONS ARE NOW COMPLETE. COMPUTATION OF FINAL RESULTS BEGIN
      CALL TIPAGE
      IF(NAGE.LE.NV)AC(NAGE)=AC(NAGE)+0.5
      DO 100 I=1,NV
   16 FORMAT(1H1)
      IF(S(I,1).NE.0.) GO TO 10010
      PRINT 300,I,(NAY(I,J),J=1,5)
      PRINT 316
  316 FORMAT(1H+,39X,46H/DATA FOR THIS VARIABLE IS ALL ZERO ****,//)
      GO TO 100
10010 DO 101 J=2,5
  101 W(J)=S(I,J)/S(I,1)
      IF(I.NE.2*(I/2)) PRINT 16
      AVG=W(2)+AC(I)
      SD=(W(3)-W(2)**2)
      IF (SD.LE.0.0) SD=0.000001
      SD=SQRT(SD)
      V1=(W(4)-3.*W(3)*W(2)+2.*W(2)**3)/SD**3
      V2=(W(5)-4.*W(4)*W(2)+6.*W(3)*W(2)**2-3.*W(2)**4)/SD**4
      IF(NQ.EQ.1) SD=SD*SQRT(S(I,1)/(S(I,1)-1.5))
      IF(NQ.EQ.2) SD=SD*SQRT(S(I,1)/(S(I,1)-1.0))
      V=100.*SD/AVG
      SEM=SD/SQRT(S(I,1))
      SESD=SEM*0.7071
      N=S(I,1)
C **** COMPUTE CUMULATIVE FREQUENCIES (CF(I)), PERCENT FREQUENCIES
C     (PF(I)), AND CUMULATIVE PERCENT FREQUENCIES (CPF(I))
      PCT= 100.0/S(I,1)
      CF(1)=F(I,1)
      PF(1)=F(I,1)*PCT
      CPF(1)=FF(1)
      DO 102 J=2,50
      CF(J)=CF(J-1) + F(I,J)
      PF(J)=F(I,J)*PCT
  102 CPF(J)=CPF(J-1) + PF(J)
C **** NEXT THE RAW PERCENTILES (PTL(J)) ARE COMPUTED
      K=1
      DO 103 J=1,25
  104 IF (CPF(K).GE.F(J)) GO TO 103
      K=K+1
      GO TO 104
  103 PTL(J)=AA(I) +WID(I)*(FLOAT(K)-(CPF(K)-P(J))/ PF(K)
C **** BEGIN THE SMOOTHING PROCESS BY COMPUTING THE ORTHOGONAL POLYNOM'LM
      DO 105 J=1,5
  105 Q(J)=0.0
      Q(5)=G(5)+PTL(J)
      DO 106 L=1,4
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	MSDP1190
	MSDP1200
	MSDP1210
	MSDP1220
	MSDP1230
	MSDP1240
	MSDP1250
	MSDP1260
	MSDP1270
	MSDP1280
	MSDP1290
	MSDP1300
	MSDP1310
	MSDP1320
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	MSDP1390
	MSDP1400
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	MSDP1480
	MSDP1490
	MSDP1500
	MSDP1510
	MSDP1520
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	MSDP1580
	MSDP1590
	MSDP1600
	MSDP1610
	MSDP1620
	MSDP1630
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	MSDP1660
	MSDP1670
	MSDP1680
	MSDP1690
	MSDP1700
	MSDP1710
	MSDP1720
	MSDP1730
	MSDP1740
	MSDP1750
	MSDP1760
	MSDP1770
	MSDP1780

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  106 Q(L)=Q(L)+PTL(J)*PEG(J,L)                                              MSDP1790
C **** CCMPUTE THE SMOOTHED PERCENTILES SPTL(J)                            MSDP1800
      VG=Q(5)/25.                                                          MSDP1810
      DO 107 J=1,25                                                        MSDP1820
      SPTL(J)=VG                                                           MSDP1830
      DO 107 L=1,4                                                         MSDP1840
  107 SPTL(J)=C(L)*PEG(J,L)+SPTL(J)                                        MSDP1850
C **** CHECK SMOOTHED PERCENTILES                                          MSDP1860
      DO 111 IJ=1,3                                                        MSDP1870
      BPCT(IJ)=BLANK(IJ)                                                   MSDP1880
  111 BQCT(IJ)=BLANK(IJ)                                                   MSDP1890
      HWL=ANS(E)-ANS(5)                                                    MSDP1900
      DO 22 J=1,23                                                         MSDP1910
      HWU=ANS(J+6)-ANS(J+5)                                                MSDP1920
      IF(HWL.GT.ZMN*HWU.OR.HWU.LT.HWL/ZMN) GO TO 23                        MSDP1930
  22  HWL=HWU                                                              MSDP1940
      GO TC 24                                                             MSDP1950
  23  CONTINUE                                                             MSDP1960
      DO 115 IJ=1,3                                                        MSDP1970
      BPCT(IJ)=UN(IJ)                                                      MSDP1980
  115 BQCT(IJ)=CENT(IJ)                                                    MSDP1990
      DO 25 K=1,25                                                         MSDP2000
      SP=SFTL(K)                                                           MSDP2010
      SPTL(K)=FTL(K)                                                       MSDP2020
  25  PTL(K)=SP                                                            MSDP2030
  24  CONTINUE                                                             MSDP2040
      DO 26 L=1,29                                                         MSDP2050
      ANS(L)=CST(I)*ANS(L)                                                 MSDP2060
  26  CAN(L)=CCST(I)*ANS(L)                                                MSDP2070
      DO 27 L=30,33                                                        MSDP2080
  27  CAN(L)=ANS(L)                                                        MSDP2090
C **** DETERMINE FIRST AND LAST NON-ZERO ENTRY IN F-ARRAY                  MSDP2100
      DO 32 J=1,NF                                                         MSDP2110
      IF(F(I,J).GT.0.)GO TC 33                                             MSDP2120
  32  CONTINUE                                                             MSDP2130
  33  MIN=J                                                                MSDP2140
      DO34 JK=1,NP                                                         MSDP2150
      J=NF+1-JK                                                            MSDP2160
      IF(F(I,J).GT.0.)GO TC 359                                            MSDP2170
  34  CONTINUE                                                             MSDP2180
  359 MAX=J                                                                MSDP2190
      PRINT 300,I,(NAY(I,J),J=1,5),BPCT,EQCT                               MSDP2200
  300 FORMAT(13H VARIABLE NO.,I5,2H--,4A4,A2,5X,2(2A4,A2))                 MSDP2210
      WRITE (6,441)                                                        MSDP2220
  441 FORMAT(4X,53HMEAN   SE(M)  ST DEV SE(SD)  CO/VX VETA-1 VETA-2    NO.MSDP2230
     *,63H  12LE   2XLE   3XLE   5XLE  10XLE  15XLE  20XLE  25XLE  30XLMSDP2240
     *E )                                                                 MSDP2250
      PRINT 7C2,  (ANS(J),J=1,4),(ANS(J),J=30,33)                         MSDP2260
     1,(ANS(J),J=5,13)                                                    MSDP2270
      IF(CAN(3).NE.0.C)                                                   MSDP2280
     *PRINT 7C2,  (CAN(J),J=1,4),(CAN(J),J=30,33)                         MSDP2290
     1,(CAN(J),J=5,13)                                                    MSDP2300
      PRINT 42                                                            MSDP2310
  42  FORMAT(          /,                                                  MSDP2320
     *64H  35XLE  40XLE  45XLE  50XLE  55XLE  60XLE  65XLE  70XLE  75XLMSDP2330
     *E ,49H  80XLE  85XLE  90XLE  95XLE  97XLE  98XLE  99XLE )           MSDP2340
      PRINT 703,  (ANS(J),J=14,29)                                        MSDP2350
      IF(CAN(3).NE.0.0) PRINT 703,(CAN(J),J=14,29)                        MSDP2360
                                                                          MSDP2370
                                                                          MSDP2380
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702   FORMAT (F8.2,6F7.2,I7,9F7.2)                                    MSDP2390
703   FORMAT (1X,16F7.2)                                              MSDP2400
      IF(CAN(3).EQ.0.0) PRINT 705                                     MSDP2410
705   FORMAT(1X/1H )                                                  MSDP2420
      PRINT 35                                                        MSDP2430
35    FORMAT (/5X,32HTHE FREQUENCY DISTRIBUTIONS..... )               MSDP2440
      M = MIN+1                                                       MSDP2450
      XL(MIN)= AA(I)+FLOAT(MIN-1)*WID(I)                              MSDP2460
      DO 306  J=M,MAX                                                 MSDP2470
      XL(J)=XL(J-1)+WID(I)                                            MSDP2480
306   CONTINUE                                                        MSDP2490
      DO734 K=MIN,MAX                                                 MSDP2500
      IFF(K)=FI(I,K)                                                  MSDP2510
      ICF(K)=CF(K)                                                    MSDP2520
734   XL(K)=-XL(K)*CST(I)                                             MSDP2530
      XU(MAX)=XL(MAX)-WID(I)*CST(I)                                   MSDP2540
      K = MAX-MIN+1                                                   MSDP2550
      MIX=MIN                                                         MSDP2560
7     M = MINO(MIX+16,MAX)                                            MSDP2570
      XL(MIX)=-XL(MIX)                                                MSDP2580
      PRINT 36, (XL(MM),MM=MIX,M), XU(M)                              MSDP2590
36    FORMAT(1X,18F7.2)                                               MSDP2600
      PRINT 37, (IFF(MM),MM=MIX,M)                                    MSDP2610
37    FORMAT(1X,3HFRQ,I5,16I7)                                        MSDP2620
      PRINT 38, (ICF(MM),MM=MIX,M)                                    MSDP2630
38    FORMAT(1X,3HCMF,I5,16I7)                                        MSDP2640
      PRINT 39, (PF(MM),MM=MIX,M)                                     MSDP2650
39    FORMAT(1X,3HPFG,F7.2,16F7.2)                                    MSDP2660
      PRINT 40, (CPF(MM),MM=MIX,M)                                    MSDP2670
40    FORMAT(1X,3HCPF,F7.2,16F7.2)                                    MSDP2680
      IF (M.EG.MAX) GO TO 8                                           MSDP2690
      PRINT716                                                        MSDP2700
      MIX=MIX+17                                                      MSDP2710
      GO TC 7                                                         MSDP2720
8     CONTINUE                                                        MSDP2730
      N14=8                                                           MSDP2740
      IF (MAX-MIN.GT.33) N14=2                                        MSDP2750
      IF (MAX-MIN.LT.17) N14=14                                       MSDP2760
      IF (L.EG.2*(I/2)) N14=N14-1                                     MSDP2770
      DO 15 K=1,N14                                                   MSDP2780
15    PRINT716                                                        MSDP2790
716   FCRMAT(1H )                                                     MSDP2800
      IF(I.NE.2*(I/2).AND.I.EG.NV)PRINT 402,WHEN,HDG,NPG             MSDP2810
402   FORMAT(2G(/),1X,4A4,A2,10X,20A4,12X,4HPAGE,I4)                  MSDP2820
      IF(I.NE.2*(I/2)) GO TO722                                       MSDP2830
      NPG=NPG+1                                                       MSDP2840
      PRINT 401,WHEN,HDG,NPG                                          MSDP2850
401   FORMAT(1X,2A4,A2,10X,20A4,12X,4HPAGE,I4)                        MSDP2860
722   CONTINUE                                                        MSDP2870
      IF(NPCK.LE.0)GC TO 725                                          MSDP2880
      IF(NFCH.EQ.0) GO TO 50                                          MSDP2890
C*****PUNCH OUTPUT FCR ONE-PAGE LISTINGS                              MSDP2900
      DO 9 J=1,8                                                      MSDP2910
      IF (J.EG.6) GO TO 9                                             MSDP2920
      J9 = I9(J)                                                      MSDP2930
      IO(J)=IAZ(ANS(J9))                                             MSDP2940
9     CONTINUE                                                        MSDP2950
      IO(6)=A                                                         MSDP2960
      PUNCH 707,I,(NAY(I,M),M=1,5),(IC(M),M=1,8)                      MSDP2970
707   FORMAT(2F61,I3,4A4,A2,2I6,4I5,2I8)                              MSDP2980
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      DO 14 MK=1,2
      JKL = MK*33-30                                             MSDP2990
      IF(ANS(JKL).LE.C.0) GO TO 14                               MSDP3000
      KL = 1+KL                                                  MSDP3010
      DO711 J=1,25                                               MSDP3020
      KK = J+KL                                                  MSDP3030
  711 IT(J) = IWZ(ANS(KK))                                       MSDP3040
      CONTINUE                                                   MSDP3050
      IP = IT(13)/1000                                           MSDP3060
      IT(13) = IT(13)-1000*IP                                    MSDP3070
      LK=2*MK                                                     MSDP3080
      PUNCH 108,       LK,I,(IT(J),J=1,12),IP                    MSDP3090
      LK=LK+1                                                     MSDP3100
      PUNCH 109,       LK,I,(IT(J),J=13,25)                      MSDP3110
  108 FORMAT (1H8,I1,I3,12I6,I3)                                 MSDP3120
  109 FORMAT (1H8,I1,12I3,12I6)                                  MSDP3130
   14 CONTINUE                                                   MSDP3140
      IA = IWZ(XL(MIN))                                          MSDP3150
      IB=IWZ(1C.0*CST(I)*WID(I))                                 MSDP3160
      DO212 J=MIN,MAX                                            MSDP3170
      L9 = J-MIN+1                                               MSDP3180
  212 IT(L9) = F(I,J)                                            MSDP3190
      NI = MAX-MIN+1                                             MSDP3200
      IZ = MINO(NI,15)                                           MSDP3210
      PUNCH 11C,  I,IA,IB,NI,(IT(K),K=1,IZ)                      MSDP3220
      IF (NI.LE.15) GO TO113                                     MSDP3230
      IZ = MINO(NI,33)                                           MSDP3240
      PUNCH 112,  I,(IT(K),K=16,IZ)                              MSDP3250
      IF (NI.LE.33) GO TO113                                     MSDP3260
      PUNCH 114,  I,(IT(K),K=34,NI)                              MSDP3270
  110 FORMAT (2H&E,I3,2I6,I2,15I4)                               MSDP3280
  112 FORMAT (2H&7,I3,18I4)                                      MSDP3290
  114 FORMAT (2H&8,I3,17I4)                                      MSDP3300
  113 CONTINUE                                                   MSDP3310
   50 CONTINUE                                                   MSDP3320
      IF(I.GT.NOAYBK)GO TO 51                                    MSDP3330
      IF(NBK(I).EQ.0)GO TO 51                                    MSDP3340
C  PUNCH DATA BOOK CARDS                                         MSDP3350
C 1.NBK(I) IS THE DATA BOOK NUMBER FCR THE I'TH VARIABLE         MSDP3360
C 2.NBOOK IS THE SURVEY GROUP ID                                 MSDP3370
C 3.NN COMBINES NBK & NBOOK INTO ONE 6-DIGIT NUMBER              MSDP3380
C 4.MC IS THE MEASUREMENT CODE                                   MSDP3390
      NN=NBK(I)*1000+NBOOK                                       MSDP3400
      IF(NN.LT.0)NN=NN-2*NBOOK                                   MSDP3410
      IOUT(1)=IWZ(ANS(1))                                        MSDP3420
      IOUT(2)=IWZ(ANS(3))                                        MSDP3430
      IOUT(3)=IWZ(ANS(31)+4.)                                    MSDP3440
      IOUT(4)=IWZ(ANS(32))                                       MSDP3450
      IF(ANS(29).GE.995) GOTO62                                  MSDP3460
      DO 17 L=1,13                                               MSDP3470
      J=LL(L)                                                    MSDP3480
      IOLT(L+4)=IWZ(ANS(J))                                      MSDP3490
   17 CONTINUE                                                   MSDP3500
      PUNCH 98,NN,N,IOUT,MC(I)                                   MSDP3510
   62 IF(ANS(29).LT.9C.0) GO TO 63                               MSDP3520
      DO 18 L=1,13                                               MSDP3530
      J=LL(L)                                                    MSDP3540
      IOUT(L+4)=IW(ANS(J))                                       MSDP3550
   18 CONTINUE                                                   MSDP3560
                                                                 MSDP3570
                                                                 MSDP3580
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      PUNCH 98,NN,N,IOUT,MC(I)
63    CONTINUE
      IOUT(1)=IWZ(CAN(1))
      IOUT(2)=IWZ(CAN(3))
      IF(CAN(5).GE.99.995) GO TO 72
      DO 19 L=1,13
      J=LL(L)
      IOUT(L+4)=IWZ(CAN(J))
19    CONTINUE
      PUNCH 97,NN,N,IOUT,MC(I)
      IF(CAN(5).LT.9C.0) GOTO74
72    CONTINUE
      DO 20 L=1,13
      J=LL(L)
      IOUT(L+4)=IWZ(CAN(J))
20    CONTINUE
      PUNCH 9,NN,N,IOUT,MC(I)
74    CONTINUE
98    FORMAT( I6,I4,I5,I4,2I3,13I4,A1,1HM)
97    FORMAT(I6,I4,I5,I4,2I3,13I4,A1,1HE)
51    CONTINUE
      IF(N2LINE.EG.0) GO TC 725
      I1=HC1
      I2=HC2
      I3=HC3
      I4=HC4
      PUNCH 116,    I1,I,(NAY(I,J),J=1,5),
     1(ANS(J),J=1,4),(ANS(J),J=30,33)
      PUNCH 117,  I3,ANS(5),ANS(8),ANS(9),ANS(10),ANS(12),
     1ANS(14),ANS(17),ANS(20),ANS(22),ANS(24),
     2ANS(25),ANS(26),IANS,I
116   FORMAT (A1,I3,4A4,A2,12X,F..2,F6.2,F5.2,  F5.2,
     1F5.1,2F5.2,I6)
      IF(CAN(3).EG.0.0) GO TO 51
      PUNCH 116,   I2,,(NAYI,J),J=1,5),
     1(CAN(J),J=1,4),(ANS(J),J=30,33),
      IANS=IWZ(CAN(29))
      PUNCH 117,  I4,CAN(5),CAN(8),CAN(9),CAN(10),CAN(12),
     1CAN(14),CAN(17),CAN(20),CAN(22),CAN(24),
     2CAN(25),CAN(26),IANS,I
117   FORMAT(A1,F5.1,11F6.1,I5,I3)
725   F(I,1)=ANS(1)
      F(I,2)=ANS(3)
      F(I,3)=CN(1)
      F(I,4)=CAN(3)
      F(I,13)=ANS(12)
      F(I,5)=ANS(9)
      F(I,14)=ANS(17)
      F(I,15)=ANS(22)
      F(I,19)=ANS(29)
      DO818 M=3C,33
818   F(I,M-25)=ANS(M)
      DO819 M=8,10
819   F(I,M+2)=ANS(M)
      F(I,M+8)=ANS(M+16)
      F(I,9)=ANS(5)
      IF(EPCT(1).EQ.EGCT(1)) GO TO 328
      F(I,25)=-99.0
      DO 329 K=26,50
      F(I,K)=FIL(K-25)
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329    CONTINUE                                                                    MSDP4190
328    CONTINUE                                                                    MSDP4200
100    CONTINUE                                                                    MSDP4210
       DO 12349 M=1,NV,50                                                          MSDP4220
       PRINT 1233,HDG                                                              MSDP4230
1233   FORMAT(1H1,48X,33HUNIVARIATE SUMMARY STATISTICS FOR,46X,1H ,/,25X,          MSDP4240,MSDP4250
      *20A4,23X,1H ,/128X,1H ,/
      X   26X,103HMEAN    SD (CONV.  M   SD) CO/V   V-I   V-II   NC.   1%           MSDP4260
      *    5%  10%  15%  25%  50%  75%  85%  90%  95%  99% )                        MSDP4270
       MMM=MINO(NV,M+49)                                                           MSDP4280
       DO 12347 M9=M,MMM                                                           MSDP4290
       PRINT 12345,     M9,(NAY(M9,J),J=1,5),  (F(M9,K),K=1,19)                     MSDP4300
       IF (M9.EG.10*(M9/10)) PRINT 12345                                           MSDP4310
12345  FORMAT(I4,1X,4A4,A2,F7.2,F6.2,2H (F6.2,F6.2,1H),F5.1,1H%,2F6.2,I5,          MSDP4320,MSDP4330
      <11F5.1)
12347  CONTINUE                                                                    MSDP4340
       PRINT 12345                                                                 MSDP4350
       IF(MM.LT.NV)PRINT 401,WHEN,HDG,NPG                                          MSDP4360
       PRINT 12345                                                                 MSDP4370
       IF(MM.LT.NV) GO TO 12349                                                    MSDP4380
       MM=M+49                                                                     MSDP4390
       DO 12348 K =MMM,MM                                                          MSDP4400
12348  PRINT 12345                                                                 MSDP4410
       PRINT 401,WHEN,HDG,NPG                                                      MSDP4420
12349  CONTINUE                                                                    MSDP4430
       NP=0                                                                        MSDP4440
       DO 430 I=1,NV                                                               MSDP4450
       IF (F(I,25).NE.-99.) GO TO 430                                              MSDP4460
       IF (NP.EG.NP/15*15) WRITE (6,431)                                           MSDP4470
431    FORMAT(43H1A LIST OF NONSTANDARD SMOOTHED PERCENTILES )                     MSDP4480
       NP=1+NP                                                                     MSDP4490
       PRINT 432,I,(NAY(I,J),J=1,5),(F(I,J),J=26,50)                               MSDP4500
432    FORMAT(/I5,2X,4A4,A2/(13F8.2))                                              MSDP4510
430    CONTINUE                                                                    MSDP4520
       STCF                                                                        MSDP4530
       ENC                                                                         MSDP4540
       END                                                                         MSDP4550
```

```
      PROGRAM CORR (INPUT,OUTPUT,TAPE10,TAPE20,TAPE5=INPUT,TAPE6=OUTPUT)        REC 0001
C-----                                                                          REC 0002
C A PROGRAM TO COMPUTE CORRELATION COEFFICIENTS BASED ON COMPLETE DATA          REC 0003
C DATA ARE READ IN FROM TAPE 10, RESULTS ARE WRITTEN ON TAPE 20.                REC 0004
C   AVG(I) - THE MEAN OF X(I) = YM(I) + A(I,3)                                   REC 0005
C   A(I,1), A(I,2), & A(I,3) - MINIMUM, MAXIMUM, & APROX. MEAN FOR THE I-TH      REC 0006
C     VARIABLE.                                                                  REC 0007
C   A(I,K), K=4,7 - CONSTANTS NOT USED IN THIS PROGRAM                           REC 0008
C   HDG - AN 80-CHARACTER HEADING FOR LABELLING THE OUTPUT                       REC 0009
C   N - COUNTS THE NUMBER OF SUBJECTS USED IN THE CALCULATIONS                   REC 0010
C   NAME(I,K), K=1,2 - AN 18-CHARACTER NAME FOR THE I-TH VARIABLE                REC 0011
C   NQ(I) - AN IDENTIFYING NUMBER FOR THE I-TH VARIABLE                          REC 0012
C   NSUB - THE SUBJECT NUMBER ASSOCIATED WITH AN ARRAY OF INPUT DATA             REC 0013
C   NV - NUMBER OF VARIABLES                                                     REC 0014
C   Q(J) - AN ARRAY CONTAINING THE CORRELATIONS FOR A SPECIFIED VARIABLE         REC 0015
C   R(I) - THE CORRELATION COEFFICIENTS--STORED WHERE YPROD WAS                  REC 0016
C   SD(I) - THE STANDARD DEVIATION OF THE I-TH VARIABLE--STORED WHERE SSQ WAS    REC 0017
C   SSQ(I) - THE SUM OF THE SQUARES OF Y(I)                                      REC 0018
C   SY(I) - THE SUM OF THE Y(I)*S                                                REC 0019
C   YPROD - THE SUM OF CROSSPRODUCTS OF Y-VALUES                                 REC 0020
C   X(I) - THE RAW DATA                                                          REC 0021
C   Y(I) - THE "REDUCED" VALUE OF X, Y(I) = X(I) - A(I,3)--STORED WHERE X WAS    REC 0022
C   YM(I) - THE MEAN OF THE Y(I) VALUES--STORED WHERE SY WAS                     REC 0023
C   I,J,K,L--INDICES, ILESS1=I-1, IPLUS1=I+1, NT=NV*NW/2, NW=NV-1,               REC 0024
C   UNITY=1.0, XN=N                                                              REC 0025
C-----                                                                          REC 0026
C SUBROUTINE INA PROVIDES THE NUMBER OF VARIABLES (NV), NAMES (NAME),            REC 0027
C IDENTIFYING NUMBERS (NQ), AND BASIC CONSTANTS (A) FOR EACH VARIABLE.           REC 0028
C SUBROUTINE INB PROVIDES THE ACTUAL DATA (X) AND, FOR EACH RECORD, A            REC 0029
C SUBJECT NUMBER (NSUB). A NON-POSITIVE VALUE FOR NSUB SIGNALS THE END           REC 0030
C OF THE DATA STREAM.                                                           REC 0031
C-----                                                                          REC 0032
C DIMENSION OF NQ & X MUST BE AT LEAST NV. A & NAME AT LEAST (NV,7) & ( NV,2).   REC 0033
C DIMENSION OF YPROD MUST BE AT LEAST NV*(NV-1)/2.                               REC 0034
C SY & SSQ USE SPACE ALLOCATED TO A(1,4) & A(1,5) WHICH ARE NOT USED.  Q USES    REC 0035
C THE SPACE ASSIGNED TO X.                                                      REC 0036
C-----                                                                          REC 0037
      COMMON/SETUP/NV,NQ(200),A(200,7),NAME(200,2),HDG(8)                        REC 0038
      COMMON/DATUMS/NSUB,X(200)                                                  REC 0039
      DIMENSION YPROD(19900)                                                     REC 0040
      DIMENSION R(1),YM(1),AVG(1),SD(1),Y(1),SY(1),SSQ(1),Q(1)                   REC 0041
      EQUIVALENCE (YPROD,R),(SY,YM,A(1,4)),(SD,SSQ,A(1,5)),(Y,X,Q)               REC 0042
      DATA UNITY/1.0/                                                            REC 0043
C INA IS CALLED TO PROVIDE THE CONTENTS OF /SETUP/                               REC 0044
      CALL INA                                                                   REC 0045
      NW=NV-1                                                                    REC 0046
      NT=NV*NW/2                                                                 REC 0047
C THE VALUES OF YPROD, SY, & SSQ ARE SET TO ZERO                                 REC 0048
      N=0                                                                        REC 0049
      DO 1 I=1,NT                                                                REC 0050
    1 YPROD(I)=0.0                                                               REC 0051
      DO 2 I=1,NV                                                                REC 0052
      SY(I)=0.0                                                                  REC 0053
    2 SSQ(I)=0.0                                                                 REC 0054
C INB IS CALLED REPEATEDLY TO FETCH THE DATA                                     REC 0055
  101 CALL INB                                                                   REC 0056
      IF (NSUB.LE.0) GO TO 201                                                   REC 0057
      DO 102 I=1,NV                                                              REC 0058
      IF (X(I).GE.A(I,1).AND.X(I).LE.A(I,2)) GOTO 102                            REC 0059
      PRINT 103, NSUB, I, X(I), A(I,1), A(I,2)                                   REC 0060
```

```
103 FORMAT(* ***** WHAT-PRAY TELL-IS WRONG?  NSUB =*,I5,* X(*,I3,*)=*,
   1F7.1,* SHOULD BE BETWEEN*,F7.1,* AND*,F7.1)
      GO TO 101
102 Y(I)=X(I)-A(I,3)
      DO 104 I=1,NV
      SY(I)=SY(I)+Y(I)
104 SSQ(I)=SSQ(I)+Y(I)**2
      N=N+1
      L=0
      DO 105 I=1,NW
      IPLUS1=I+1
      DO 105 J=IPLUS1,NV
      L=L+1
105 YPROD(L)=YPROD(L)+Y(I)*Y(J)
      GO TO 101
201 XN=N
C     AT THIS POINT THE SUMMATIONS ARE COMPLETE. FIRST THE MEANS & ST DEVS
      DO 202 I=1,NV
      YM(I)=SY(I)/XN
      SD(I)=SQRT(AMAX1(0.0,SSQ(I)/XN-YM(I)**2)
      IF (SD(I).EQ.0.0) SD(I)=10.0**99.
C     THE PREVIOUS STATEMENT & THE NATURE OF THE PRIOR ONE ARE INTENDED
C     TO PREVENT DISASTER IF, ESPECIALLY IN A TEST RUN, THE VALUES OF X(I)
C     ARE ALL THE SAME.
202 AVG(I)=YM(I)+A(I,3)
C     NOW THE CORRELATION COEFFICIENTS
      L=0
      DO 203 I=1,NW
      IPLUS1=I+1
      DO 203 J=IPLUS1,NV
      L=L+1
203 R(L)=(YPROD(L)/XN - YM(I)*YM(J))/(SD(I)*SD(J))
C     IT'S ALL DONE EXCEPT FOR DIVULGING THE RESULTS
      WRITE (20,301) HDG, (NQ(I),(NAME(I,K),K=1,2),AVG(I),SD(I),I=1,NV)
      PRINT 301, HDG, (NQ(I),(NAME(I,K),K=1,2),AVG(I),SD(I),I=1,NV)
301 FORMAT(8A10/(I5,2X,2A9,2F12.5))
      WRITE (20,302) NQ(1),UNITY,(R(K),K=1,NW)
      PRINT 302, NQ(1),UNITY,(R(K),K=1,NW)
302 FORMAT (I4/(1X,12F10.8))
      DO 304 I=2,NV
      ILESS1=I-1
      IPLUS1=I+1
      K=I-NV
      DO 305 J=1,ILESS1
      K=K+NV-J
305 Q(J)=R(K)
      Q(I)=UNITY
      IF (I.EQ.NV) GO TO 306
      K=K+NV-I
      DO 307 J=IPLUS1,NV
      K=K+1
307 Q(J)=R(K)
306 WRITE (20,302) NQ(I),(Q(J),J=1,NV)
304 PRINT 302, NQ(I),(Q(J),J=1,NV)
      END FILE 20
      REWIND 20
      STOP
      END
```

REC 0061
REC 0062
REC 0063
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REC 0116
REC 0117
REC 0118

APPENDIX D

INDEX BY NAME, ANATOMICAL REGION
AND ANTHROPOMETRIC TECHNIQUE

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

HEAD & FACE-CONTINUED
..HEAD DIAGONAL-INION TO PRONASALE #433
...HEAD DIAGONAL/MAXIMUM-NUCHALE #438
..HEAD LENGTH #441
..INTEROCULAR BREADTH #500
..INTERPUPILLARY BREADTH #503
..LIP LENGTH #547
..LIP LENGTH, SMILING #549
..LIP PROTRUSION TO WALL #552
..MAXIMUM FRONTAL BREADTH #560
..MENTON-CRINION LENGTH #583
..MENTON-SELLION LENGTH #586
..MENTON-SUBNASALE LENGTH #592
..MENTON TO TOP OF HEAD #595
..MENTON TO WALL #597
..MINIMUM FRONTAL ARC #616
..MINIMUM FRONTAL BREADTH #618
..NASAL BREADTH #622
..NASAL ROOT BREADTH #625
..NASAL ROOT HEIGHT #629
..NOSE LENGTH #649
..NOSE PROTRUSION #652
..PHILTRUM LENGTH #674
..PRONASALE TO TOP OF HEAD #692
..PRONASALE TO WALL #694
..SAGITTAL ARC #702
..SELLION TO TOP OF HEAD #739
..SELLION TO WALL #741
..STOMION TO TOP OF HEAD #815
..SUBNASALE-SELLION LENGTH #825
..SUBNASALE TO TOP OF HEAD #827
..SUBNASALE TO WALL #829
..TRAGION HEIGHT #877
..TRAGION TO TOP OF HEAD #882
..TRAGION TO WALL #884

HEAD BREADTH #427

HEAD CIRCUMFERENCE #430

HEAD DIAGONAL-INION TO PRONASALE #433

HEAD DIAGONAL/MENTON
-SEE HEAD DIAG./MENTON TO OCCIPUT #437

HEAD DIAGONAL-MENTON TO OCCIPUT #437

HEAD DIAGONAL/MAXIMUM-NUCHALE #438

HEAD HEIGHT
-SEE TRAGION TO TOP OF HEAD #882

HEAD LENGTH #441

HEEL
.BUTTOCK-HEEL LENGTH #191
..FOOT LENGTH #362
..HEEL-ANKLE CIRCUMFERENCE #445
..HEEL BREADTH #450
..INSTEP LENGTH #496

HEEL-ANKLE CIRCUMFERENCE #445

HEEL BREADTH #450

HEEL CIRCUMFERENCE
-SEE HEEL-ANKLE CIRCUMFERENCE #445

HEIGHT
-SEE STATURE #805

HEIGHTS
..ABDOMINAL EXTENSION HEIGHT #18
..ABDOMINAL EXTENSION HEIGHT, OFG #19
..ACROMIAL HEIGHT #23
..ACROMIAL HEIGHT, SITTING #25
..ANKLE HEIGHT #64
..BUSTPOINT HEIGHT #174
..BUTTOCK HEIGHT #188
..CALF HEIGHT #215
..CERVICALE HEIGHT #219
..CHEST HEIGHT #241
..CROTCH HEIGHT #249
..DACTYLION HEIGHT #265
..ELBOW HEIGHT #309
..ELBOW REST HEIGHT #312
..EYE HEIGHT #328
..EYE HEIGHT, SITTING #330
..FIBULAR HEIGHT #740
..GLUTEAL FURROW HEIGHT #398
..ILIOCRISTALE HEIGHT #469
..KNEE HEIGHT #527
..KNEE HEIGHT, SITTING #529
..LATERAL MALLEOLUS HEIGHT #543
..MEDIAL MALLEOLUS HEIGHT #579
..METACARPALE III HEIGHT #601
..MIDSHOULDER HEIGHT, SITTING #612
..NASAL ROOT HEIGHT #629
..PATELLA BOTTOM HEIGHT #663
..PATELLA TOP HEIGHT #665
..POPLITEAL HEIGHT #670
..PENALE HEIGHT #678
..SITTING HEIGHT #758
..SITTING HEIGHT, RELAXED #760
..SPHYRION HEIGHT #801
.STATURE #805
..STATURE AS REPORTED BY SUBJECT #808
..STATURE, MAXIMUM #811
..SUBSTERNALE HEIGHT #837

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INDEX BY NAME, ANATOMICAL REGION, AND ANTHROPOMETRIC TECHNIQUE

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