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**THE AMRL ANTHROPOMETRIC DATA BANK LIBRARY:
VOLUMES I-V**

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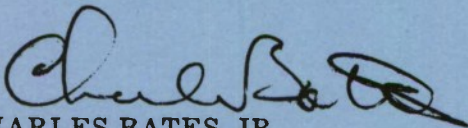
TECHNICAL REVIEW AND APPROVAL

AMRL-TR-77-1

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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) This report describes the contents of Volumes I-V of the AMRL Anthropometric Data Bank Library. Volumes I-IV consist of the data from four major USAF anthropometric surveys: the 1950 and 1967 surveys of flying personnel, the 1968 survey of USAF women, and the 1965 survey of male personnel. Volume V contains correlation coefficients based on these surveys, the 1946 survey of Army female separatees, the Health Examination Survey of 1960-62, and the law enforcement officer survey of 1974. (continued on reverse side)		

20. ABSTRACT (continued)

Included are a description of the tape formats, definitions of the measurement variables, and XVAL listings for each tape. Names and serial numbers of all subjects have been omitted to preserve the confidential nature of the records.

PREFACE

This report was prepared under contract F33615-76-C-5007 with the Aerospace Medical Research Laboratory (AMRL), U. S. Air Force, Wright-Patterson Air Force Base, Ohio. Project scientists were Edmund Churchill and John T. McConville of the Anthropology Research Project of Webb Associates, Inc. Mr. Charles E. Clauser of the Crew Station Integration Branch of the Aerospace Medical Research Laboratory served as contract monitor.

The data tapes described in this report are an outgrowth of the USAF's major anthropometric surveys. Conduct of these surveys was, in each case, a joint activity of the AMRL and its anthropologists and the Anthropology Research Project; preparation of the data from these surveys has been carried out by the Anthropology Research Project, initially at Antioch College and more recently at Webb Associates. Mr. H.T.E. Hertzberg directed several of these surveys and preceded Mr. Clauser as contract monitor for the Anthropology Research Project.

Ms. Jane Reese prepared the manuscript of this report for publication and Ms. Ilse Tebbetts applied a final editorial polishing.

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
I INTRODUCTION	7
II FORMAT OF THE DATA TAPES	21
III THE XVAL PRINTOUTS	27
IV THE ANTHROPOMETRIC VARIABLES	29
V VOLUME I--THE 1968 SURVEY OF AIR FORCE WOMEN . . .	33
VI VOLUME II--THE 1967 SURVEY OF USAF FLYING PERSONNEL.	65
VII VOLUME III--THE 1965 SURVEY OF USAF MALE PERSONNEL.	105
VIII VOLUME IV--THE 1950 SURVEY OF USAF FLYING PERSONNEL.	139
IX VOLUME V--THE U. S. CORRELATION MATRICES	173
REFERENCES	179
APPENDIX: DEFINITIONS OF MEASUREMENTS AND ANTHROPOMETRIC TERMS	181
a. Measurements Definitions	181
b. Anthropometric Terms	198

LIST OF TABLES

<u>Table</u>		<u>Page</u>
1	Consolidated List of Variables and Their Numbers. . .	9-19
2	Illustrative Tape Format.	22
3	Heading and Data for First 10 Sets of Data, Volume I.	35-39
4	XVAL Printouts, Volume I.	40-63
5	Heading and Data for First 10 Sets of Data, Volume II	67-72
6	XVAL Printouts, Volume II	73-103
7	Heading and Data for First 10 Sets of Data, Volume III.	106-111
8	XVAL Printouts, Volume III.	112-137
9	Heading and Data for First 10 Sets of Data, Volume IV	141-146
10	XVAL Printouts, Volume IV	147-171
11	Contents of Volume V.	175
12	Illustrative Correlation Matrix	176-177

THE AMRL ANTHROPOMETRIC DATA BANK LIBRARY: VOLUMES I-V

Section I

INTRODUCTION

The Aerospace Medical Research Laboratory has, over a period of years, assembled a considerable amount of anthropometric data. Much of this material represents the outcome of surveys of USAF personnel conducted by AMRL anthropologists. In addition, a substantial part of the data from non-USAF surveys comes from surveys in which AMRL anthropologists played major roles in the planning and from ones in which the Anthropology Research Project, usually in its role as an AMRL contractor, carried out the statistical analyses.

To make these data as useful and as easy to use as possible not only by researchers in the AMRL but by investigators throughout the scientific community, it was judged desirable to prepare the major sets of data from this data bank in an essentially common format practical for use on a range of computers and to fully document these records.

The purpose of this report is to describe the standard form which we have chosen for use with raw survey data and to document the first five of the AMRL data bank tapes. The first four of these tapes include the data for the four most important surveys of USAF personnel: the 1950 and 1967 surveys of flying personnel, the 1968 survey of Air Force Women, and the 1965 survey of male personnel. The fifth tape contains correlation matrices based on the data from the first three of these surveys, on data for basic trainees obtained in the fourth, and on data from three smaller, non-USAF, surveys.

The tapes are designed to be self-sufficient and contain, in addition to the data, historical background information, the names and ranges of each of the variables, and format statements for reading the tape headings and the data.

All information which makes it possible to identify the subjects (names and serial numbers) has been omitted from these tapes to preserve the confidential nature of the records.

This report contains a general description of the data tapes and, for each survey, a listing of the heading of its tape and of the data for the first 10 subjects. Listings of the output of the XVAL program for each tape provide considerable information about the statistical nature of the

data on each tape. A consolidated list of the measurement variables and their numbers constitutes Table 1 and indicates the locations on the several tapes of each variable. The variables are listed in this table according to their standard AMRL data bank numbers and names. Where there is a substantial difference between a variable name as it appears on one of these tapes and the equivalent AMRL data bank name, this equivalence is spelled out at the end of Table 1. This table provides the full names of each variable and reference to it should minimize any problems which arise because the variable names on the tapes, being limited to 18 characters, are often severely abbreviated.

A list of definitions of all measurement variables included on any of the tapes, adapted from the list which appears in Intercorrelations of Anthropometric Measurements: A Source Book for USA Data by Churchill Kikta, and Churchill,¹ appears in the Appendix of this report.

¹AMRL-TR-77-2, Wright-Patterson Air Force Base, Ohio, 1977.

TABLE 1

CONSOLIDATED LIST OF MEASUREMENT VARIABLES AND THEIR NUMBERS
VOLUMES I-V

AMRL Data Bank Number & Name	VOLUME						
	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
6 Abdominal depth, sitting			59				
8 Abdominal extension circumfer	42						
9* Abdominal extension circ, OFG	129						
10 Abdominal extension depth	76						
14* Abdominal extension depth, OFG	135						
18 Abdominal extension height	14						
19* Abdominal extension height, OFG	127						
23 Acromial height	10	15	12	<u>7</u>	<u>4</u>		
25 Acromial height, sitting		35		<u>21</u>			<u>10</u>
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	<u>161</u>	128				
111 Biceps circumference, flexed	56	<u>106</u>	79	57			
112 Biceps circumfer, flexed, II	58	107					
113 Biceps circumference, relaxed	55	104	<u>78</u>		31	<u>4</u>	
114 Biceps circumfer, relaxed, II	57	<u>105</u>					
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		18		
134 Bimalleolar breadth		131	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			
146* Bitragion-crinion arc				127			
148 Bitragion-inion arc				132			

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names. Variables in Volumes I, II, III, and IV, also appear in Volume V, except those marked with an asterisk.

TABLE 1 (continued)

CONSOLIDATED LIST OF MEASUREMENT VARIABLES AND THEIR NUMBERS
VOLUMES I-V

AMRL Data Bank Number & Name	VOLUME						
	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
150 Bitragion-menton arc		147	117	128			
152 Bitr-minimum frontal arc		145	115	126			
154 Bitragion-posterior arc		149	119	<u>131</u>			
156 Bitrag-submandibular arc		148	118	<u>129</u>			
158 Bitragion-subnasale arc		146	116	130			
161 Bitrochanteric breadth			<u>51</u>				
165 Bizygomatic breadth	116	159	130	97	<u>52</u>		<u>17</u>
169 Bust depth	<u>74</u>						
172 Bustpoint-bustpoint breadth	<u>66</u>				<u>20</u>		
174 Bustpoint height	12						
178 Buttock circumference	39	72	66	50	<u>28</u>		
179 Buttock circumfer, sitting	52	73	67	73			
180* Buttock circumfer, sitting, OFG	137						
183 Buttock depth	77	64	60	45			
185* Buttock depth, OFG	136						
188 Buttock height	16	23	21				
191 Buttock-heel length				<u>28</u>			
194 Buttock-knee length	30	39	37	<u>27</u>	14	13	13
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	<u>45</u>	40	17		4
227 Chest breadth (bone)			<u>46</u>				
230 Chest circumference	<u>39</u>	69	64	48	<u>24</u>	5•	5
231 Chest circumference at scye	<u>38</u>	68				5†	
232 Chest circumference below bust	40				25		
236 Chest depth		62	57	43			
237 Chest depth at scye					<u>15</u>		
241 Chest height		<u>20</u>	17	<u>9</u>			
245 Chin prominence to wall		187					
249 Crotch height	19	26	22	15	6		
252 Crotch length		<u>123</u>	95	69	44		
265 Dactylion height		18	15		8		

•=Men †=Women

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TABLE 1 (continued)

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	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
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					<u>47</u>		
289 Ectocanthus to top of head	100	<u>175</u>	<u>148</u>				
291 Ectocanthus to wall	106	<u>183</u>	<u>155</u>	<u>118</u>			
293 Elbow breadth	<u>70</u>	<u>57</u>	52				
297 Elbow breadth, II	<u>71</u>	<u>58</u>					
300 Elbow circumference, flexed	<u>59</u>	<u>109</u>	81	58			
303 Elbow circumference, relaxed		108	80				
309 Elbow height		<u>16</u>	13	11			
312 Elbow rest height	27	<u>36</u>	34	23		17	
318 Elbow-elbow breadth				35	21	16	
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	<u>60</u>	<u>55</u>				
336 Femoral breadth, II	73	<u>61</u>					
340 Fibular height		<u>29</u>					
344 Finger diameter-III			110	89			
348* First phalanx III length				88			
352 Fist circumference				92			
356 Foot breadth	95	127	<u>99</u>	77			
362 Foot length	94	125	97	75			
369 Forearm circumferen, flexed	61	<u>111</u>	83	<u>59</u>			
370 Forearm circumferen, relaxed	60	<u>110</u>	82		32		
378 Forearm-forearm breadth		59	<u>53</u>				
381 Forearm-hand length				30	<u>12</u>		
385 Forefinger length							21
389 Glabella to top of head		<u>173</u>	<u>146</u>				
391 Glabella to wall		<u>181</u>	<u>153</u>				

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AMRL Data Bank Number & Name	VOLUME						
	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
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	<u>136</u>	106	86	59		22
413 Hand breadth across thumb		<u>137</u>		85			
416 Hand circumference	93	<u>138</u>	107				9
417 Hand circumferen across thumb		<u>139</u>	108				
420 Hand length	91	134	104	83	58		20
423 Hand thickness		<u>140</u>	<u>109</u>	<u>87</u>			
427 Head breadth	97	<u>156</u>	<u>127</u>	94	48		16
430 Head circumference	98	141	111	122	45		8
433 Head diagonal/inion-pronasale		<u>152</u>					
437 Head diagonal/menton-occiput		<u>151</u>	<u>121</u>				
438 Head diagonal/maximum-nuchale			<u>122</u>				
441 Head length	96	150	120	93	46		15
445 Heel-ankle circumference		<u>130</u>	103				
450 Heel breadth				78			
457 Hip breadth	68	55	49	42			
459 Hip breadth, sitting		56	50	36	22	<u>15</u>	
461* Hip breadth, OFG	133						
465 Hip circum at trochanterion					<u>28</u>		
466 Hip circumfer 7" below waist	43						
468 Hip circumfer 9" below waist	44						
470* Hip circ 7" below waist, OFG	130						
472* Hip circ 9" below waist, OFG	131						
489 Iliocristale height		22	19				
493 Instep circumference		<u>129</u>	102				
496 Instep length		126	<u>98</u>	76			
500 Interocular breadth		164	135	100	54		
503 Interpupillary breadth		163	134	102			
506 Interscye	82	120	92	71	38		
507 Interscye, maximum	83	121	93	72			

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	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
508 Interscye, II							
509 Interscye, maximum, II	<u>83</u>	<u>121</u>					
511 Juxt nipple skinfold		<u>5</u>	5				
515 Knee circumference	46	98	73				
517 Knee circumference, sitting		99	74	74			
527 Knee height		<u>28</u>					
529 Knee height, sitting		37	35	25	13	<u>10</u>	12
536 Knee-to-knee breadth, sitting			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	<u>157</u>				
555 Lip-to-lip length		170	<u>140</u>	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			
583* Menton-crinion length				109			
585 Menton projection				117			
586 Menton-sellion length	121	<u>172</u>	<u>144</u>		<u>50</u>		<u>18</u>
592 Menton-subnasale length	120	171	143	108			
595 Menton to top of head	104	<u>179</u>	<u>151</u>				
597 Menton to wall	110		<u>158</u>				
601 Metacarpale-III height				<u>17</u>			
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	<u>104</u>	<u>57</u>		
625 Nasal root breadth			136	<u>105</u>	<u>56</u>		
629 Nasal root height				3			
636 Neck-bustpoint length	80						

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	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
637 Neck-cervicale length					<u>37</u>		
638 Neck-waist length					<u>42</u>		
639 Neck circumference	36	66	<u>62</u>	46	<u>23</u>		
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	<u>18</u>			
670* Penale height				<u>13</u>			
674 Philtrum length		169	139	107			
678 Popliteal height, sitting	28	38	36	26		11	
686 Posterior neck length		117	89	64			
692 Pronasale to top of head	101	<u>176</u>	<u>149</u>				
694 Pronasale to wall	107	<u>184</u>	<u>156</u>				
698 Radiale-styilion length	32	45					
702 Sagittal arc	111	<u>142</u>	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					

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names. Variables in Volumes I, II, III, and IV, also appear in Volume V, except those marked with an asterisk.

TABLE 1 (continued)

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	I	II	III	IV	V	V	V
	AFW '68	FLY '67	AFM '65	FLY '50	WAC '46	HEX	LAW ENF
731 Scrotale-waist over btk, sit		87					
735 Scye circumference	53	103	77	55	<u>30</u>		
739 Sellion to top of head		<u>174</u>	<u>147</u>				
741 Sellion to wall		<u>182</u>	<u>154</u>	<u>119</u>			
747 Shoulder circumference	37	67	63	47			
751 Shoulder-elbow length		42	39	29	11		
754 Shoulder length	79	118	90	65	36		
758 Sitting height	23	32	31	19	9	<u>9</u>	11
760 Sitting height, relaxed	22					<u>8</u>	
764 Sleeve inseam	87	49	42	61			
768 Sleeve length seg/spine-elbow	<u>89</u>	114	<u>86</u>				
770 Sleeve length seg/spine-scye	<u>88</u>	113	<u>85</u>				
772 Sleeve length/spine to wrist	<u>90</u>	115	<u>87</u>	62			
797 Span				31			
801 Sphyrion height			30				
805 Stature	7	13	10	2	2	<u>1</u>	<u>2</u>
808 Stature as reported	139	<u>189</u>	<u>170</u>				
811 Stature, maximum	8						
815 Stomion to top of head	103	<u>178</u>	<u>150</u>				
821 Strap length	81				41		
825 Subnasale-sellion length	122	<u>168</u>	<u>145</u>				
827 Subnasale to top of head	102	<u>177</u>					
829 Subnasale to wall	108	185					
833 Subscapular skinfold	4	<u>3</u>	3				
834 Subscapular skinfold-II		<u>9</u>					
837* Substernale height				10			
840 Sum of skinfolds						7	
841 Suprasternale height	11	19	16	8			
844 Suprailiac skinfold	5	<u>7</u>	7				
845 Suprailiac skinfold-II		<u>11</u>					
848 Suprapatella skinfold		8					
852 Thigh circumference	<u>45</u>	<u>96</u>	<u>70</u>	51	<u>34</u>		
853 Thigh circumference, sitting		<u>97</u>	71				
856 Thigh clearance, sitting	78	65	61	24		12	
859 Thigh-thigh breadth, sitting	69						

Underlined numbers indicate alternate measurement names. See the end of this table for a listing, by survey, of such names. Variables in Volumes I, II, III, and IV, also appear in Volume V, except those marked with an asterisk.

TABLE 1 (continued)

CONSOLIDATED LIST OF MEASUREMENT VARIABLES AND THEIR NUMBERS
VOLUMES I-V

AMRL Data Bank Number & Name	VOLUME						
	I AFW '68	II FLY '67	III AFM '65	IV FLY '50	V WAC '46	V HEX	V LAW ENF
860* Thigh-thigh breadth, sitting, OFG	138						
867 Thumb-tip reach	33	47	<u>41</u>	<u>34</u>			3
869 Thumb-tip reach, extended	34	48					
873 Tibiale height	18						
877 Tragion height				5			
882 Tragion to top of head	99	<u>180</u>	<u>152</u>	<u>116</u>	<u>49</u>		
884 Tragion to wall	105	<u>188</u>	<u>159</u>	<u>120</u>			
888 Triceps skinfold	3	<u>4</u>	<u>4</u>				
890 Triceps skinfold-II		<u>10</u>					
894 Trochanterion height	15	24	20		<u>7</u>		
896 Trunk depth					16		
898 Trunk height, sitting					<u>10</u>		
911 Vertical grip reach	<u>35</u>						
916 Vertical trunk circumference	<u>50</u>	74	68	70	29		
917 Vertical trunk circ, sitting	51	75	69				
921 Waist back	85	<u>124</u>	96	66	39		
924 Waist breadth	67	<u>53</u>	47	41			
928* Waist breadth, OFG	132						
931 Waist circumference	41	<u>70</u>	65	49	26	6	6
932* Waist circumference, OFG	128						
933 Waist circumfer, sitting		<u>71</u>					
939 Waist depth	75	<u>63</u>	58	44			
943* Waist depth, OFG	134						
946 Waist front		<u>122</u>	94	67	40		7
949 Waist height	13	<u>21</u>	18	12	5		
951 Waist height, sitting	26			22			
953* Waist height, sitting, OFG	126						
957 Weight	2	2	2	1	1	2	1
960 Weight as reported	140	<u>190</u>	<u>169</u>				
964 Wrist breadth			<u>54</u>				
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. Variables in Volumes I, II, III, and IV, also appear in Volume V, except those marked with an asterisk.

TABLE 1 (continued)

ALTERNATE NAMES

Volumes I & V: AIR FORCE WOMEN'S SURVEY--1968

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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

Volumes II & V: FLYING PERSONNEL SURVEY--1967

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
...-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
Stylian height	Wrist height
Subnasale-NRD length	Subnasale-sellion length
Upper thigh circumference	Thigh circumference
...to vertex	...to top of head

TABLE 1 (continued)

ALTERNATE NAMES

Volumes III & V: AIR FORCE MALES--1965

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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

Volumes IV & V: FLYING PERSONNEL SURVEY--1950

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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 1 (continued)

ALTERNATE NAMES

Volume V: U. S. ARMY WOMEN--1946

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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

Volume V: HEALTH EXAMINATION SURVEY--1960-1962

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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

Volume V: LAW ENFORCEMENT OFFICERS SURVEY

<u>Names on Tape</u>	<u>AMRL Data Bank Names</u>
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 II

FORMAT OF THE DATA TAPES

The format of the data tapes has been kept simple in an effort to minimize the problems which frequently occur in the attempts to use at one computer installation magnetic tapes that have been written at another. We have also made an effort to make the tapes somewhat self-sufficient. Each tape contains an identification, a small amount of background information about the survey and the sample; coding for non-numerical values; names, ranges, and conversion values for each variable; and most of the formats and constants needed to read and use the tape. Each tape has been written in standard BCD card image form. Each tape in the library has been prepared both as a 7-track tape and as a 9-track tape. Each volume consists of a single reel of tape.

The general format of the tapes is illustrated by Table 2 which contains the heading and the first ten sets of data of Volume I, the tape of the Air Force Women's survey of 1968.

The first 218 records (these records are not numbered on the tape) constitute the tape's heading. The bulk of this heading consists of a description of the survey and the coding of the non-metric data (records 7-60) and names, ranges, and related values for each variable (records 62-217). The remaining 8 records provide the name of the survey, several constants related to the tape, and a few FORTRAN format statements.

The detailed contents of the heading are the following:

Record 1 - the survey name; this name is repeated as record 61 to facilitate its use in labelling output generated by the use of the tape.

Record 2 - a format statement for reading record 3.

Record 3 - contains several constants:

NSRVY - the survey volume number;

NVO - the number of metric variables;

NVT - the total number of variables;

NSB - the number of subjects or data records;

NLS - the number of records consisting of the description of the survey and the coding;

NDATE - the date on which the tape was prepared.

For this tape, NSRVY=1, the number of this volume. NVO=140 indicating the existence of 140 metric variables including age, the

TABLE 2
ILLUSTRATIVE TAPE FORMAT
(EXCERPTS)

REC 0001.. ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

REC 0002.. (7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4)

REC 0003.. NSRVY=0001 NVO = 140 NVT = 156 NSB = 1905 NLS = 55 NDATE=7609

REC 0004.. (I4,2X,2A9,3F8.2,2F6.2,2F10.7)

REC 0005.. (I4,2X,3A6,3F8.2,2F6.2,2F10.7)

REC 0006.. (I4,2X,4A4,A2,3F8.2,2F6.2,2F10.7)

REC 0007.. THE SURVEY OF WOMEN OF THE AIR FORCE WAS MADE IN THE SPRING OF 1968 BY THE ANTH

REC 0008.. ROPOLOGY BRANCH, AEROSPACE MEDICAL RESEARCH LABORATORY, WRIGHT-PATTERSON AFB, O

REC 0009.. HIO AND THE ANTHROPOLOGY RESEARCH PROJECT (THEN AT ANTIOCH COLLEGE, YELLOW SPRIN

REC 0010.. GS, OHIO). A DESCRIPTION OF THE SURVEY AND THE RESULTS ARE PUBLISHED IN ANTHRO

REC 0011.. POMETRY OF AIR FORCE WOMEN, BY CLAUSER ET AL., AMRL-TR-70-5 (AD-743-113), AEROSP

REC 0012.. ACE MEDICAL RESEARCH LAB, WPAFB, OHIO, 1972. DATA FOR AGE (VARIABLE 1), 123 BOD

REC 0013.. Y SIZE MEASUREMENTS (VARIABLES 2-124), AND GRIP STRENGTH (VARIABLE 125) WERE OBT

REC 0014.. AINED FROM A SAMPLE OF 1905 WOMEN. 13 MEASUREMENTS WERE REPEATED ON 1513 SUBJEC

REC 0015.. TS WITH THE SUBJECTS WEARING FOUNDATION GARMENTS (VARIABLES 126-138). ALL OTHER

REC 0016.. MEASUREMENT DATA RECORDS (X(1)-X(125)) ARE COMPLETE. X(139), STATURE REPORTED,

REC 0017.. IS MISSING FOR SUBJECTS 6 AND 324 AND X(140), WEIGHT REPORTED, FOR SUBJECTS

REC 0018.. 1349 AND 1651. AGE, AGE AT MENARCHE, AND YEAR OF BIRTH (AFTER 1900) ARE RECORDE

REC 0019.. D IN TENTHS OF YEARS, YEAR OF MEASUREMENT (AFTER 1900) IN HUNDREDTHS OF YEARS.

REC 0020.. SKINFOLDS ARE RECORDED IN TENTHS OF MILLIMETERS, WEIGHT AND REPORTED WEIGHT IN

REC 0021.. POUNDS, REPORTED STATURE IN INCHES, GRIP STRENGTH IN KILOGRAMS. ALL OTHER MEAS

REC 0022.. UREMENT VARIABLES WERE RECORDED IN MILLIMETERS.

REC 0023.. CODED VARIABLES----

REC 0062..	1	AGE	17750	56500	23000	2000	1000	1000000	10000000
REC 0063..	2	WEIGHT	8250	20000	12600	500	300	4535924	22046223
REC 0064..	3	TRICEPS SKINFOLD	5250	46800	18000	2000	1000	100000	3937008
REC 0065..	4	SUBSCAPULAR SKINFOLD	4250	37200	12000	2000	1000	100000	3937008
REC 0066..	5	SUPRAILAC SKINFOLD	4250	50000	19000	2000	1000	100000	3937008
REC 0067..	6	MEDIAL CALF SKINFOLD	1250	37200	15000	2000	1000	100000	3937008
REC 0068..	7	STATURE	144250	183000	162000	2000	1000	1000000	3937008
REC 0069..	8	STATURE, MAXIMUM	144250	184000	162000	2000	1000	1000000	3937008
REC 0070..	9	CERVICALE HEIGHT	120250	156800	139000	2000	1000	1000000	3937008
REC 0071..	10	ACROMIAL HEIGHT	114250	152000	131000	2000	1000	1000000	3937008

REC 0218.. (I4,19F4.0/2(20F4.0/),2(25F3.0,F5.0/),20F4.0/9F4.0,F3.0,F6.0,8F2.0,5F3.0,F4.0)

REC 0219.. 1 285 112 124 78 86 150156715811315126912511130 928 858 778 763 675 406 703

REC 0220.. 120 65 835 855 722 573 234 204 389 459 536 308 238 729 9021886 345 966 793 905

REC 0221.. 749 642 848 882 897 524 357 326 330 21115061474 945 343 252 228 239 229 232 231

REC 0222.. 221228148361392276191233333382 62 62 86 85253183227199120143257649348462425 376

REC 0223.. 339439192532802169 74179230 86183162565140122152163182223106166209195195188 392

REC 0224.. 372 95 169 133 126 97 35 43 55 109 50 56 32 25 913 842 612 843 875 878

REC 0225.. 214 328 177 223 215 922 357 62 116 2 9754 2 132 2 5 4 2 1 9 9 93941256839

measured variables, and height and weight as reported by the survey's subject. NVT=156, indicating that the data records include 16 other variables. The non-metric variables are, in the main, personal background information and, on all tapes, they follow the metric variables. NLS=55, the number of records of background information which must be read. Finally, NDATE=76C9, indicating that this tape was prepared in September 1976.

Records 4, 5, and 6 are FORTRAN format statements for use in reading the name-range-conversion constants records. Three alternate format statements are provided because the 18-character names included in these records require different numbers of words in different computers. The first of these format statements provides for reading each name in as two 9-character words; the second format, for three 6-character words; and the third format, for four 4-character and one 2-character words. The user of these tapes will, presumably, use the format most appropriate for his computer, or simply use the last of the three.

The next several records (i.e., NLS) are background material of some value, we hope, to the user of the tape's data, but irrelevant to the computer's treatment of these data. The last of these records is a repeat of the first record and contains the survey name.

The names, ranges, conversion constants, and similar information for each variable make up the next NVT records; (records 62 through 217 in Table 3). This information can be ignored, in whole or in part, both by the human users of the tapes and by the computers; it was generated for use with AMRL's basic statistical programs and it, or similar information, is necessary for use with these programs.

The I-th of these records contains, in order, the values:

$I, (\text{NAME}(I,L), L=1, \text{NLGTH}), (\text{A}(I,L), L=1, 7),$

where NLGTH is the length of each name in computer-words. NLGTH depends on the computer word length and must be supplied by the user of the tape.

The quantities $\text{A}(I,L)$ are as follows--we illustrate using the values for weight for which $I=2$:

$\text{A}(2,1)=82.50$, a value slightly lower than the smallest recorded weight. This value was selected as an appropriate lower limit for the first interval when weights are grouped for frequency tables containing up to but not in excess of 50 intervals.

$\text{A}(2,2)=200.00$, the largest weight recorded.

$\text{A}(2,3)=126.00$, an approximation to the mean weight, included for use in reducing the size of summations of squares and higher powers.

$\text{A}(2,4)=5.00$, a suggested interval width for frequency tables which are limited to a maximum of 30 intervals. In this case, a

table of 24 intervals will result; an interval of 3 pounds would have been too fine, and would have resulted in 40 intervals. Intervals for linear measurements have generally been restricted to values of 1, 2, 3, 5, 10, 15 or 20 millimeters.

$A(2,5)=3.00$, a suggested interval width for frequency tables which are limited to a maximum of 50 intervals.

$A(2,6)=0.4535924$, a constant to convert the summary statistics from the units in which the data are listed on the tape to the desired metric units for output. Here the conversion is from pounds to kilograms.

$A(2,7)=2.2046223$, a constant to convert the metric output to English units. For weight, this constant converts from kilograms back into pounds.

The value of $A(I,6)$ will, as a rule, indicate the units in which the data are recorded on the tape, since the result of multiplying a data value by $A(I,6)$ will transform this value into centimeters, kilograms, or years. Because most measurements included in Volumes I-IV were made in millimeters, the value of $A(I,6)$ is generally 0.1. Note, however, in Table 3 that $A(I,6)=0.01$ for variables 3-6, skinfold measurements made in tenths of millimeters; that $A(125,6)=1$, indicating that grip strength values are in full kilograms, and so forth.

The values of $A(I,J)$ have been written without decimal points; as the format statements indicate, the first five values actually are to two decimal places, the final two to seven decimal places.

At the end of the list of name-range-conversion unit records is a format statement for reading in the data. While the data were written on the tape in integer format to save space, the format statement provided assumes that everything except the subject number is to be treated as floating decimal values. This format statement is, therefore, not suitable for listing data read from the tape.

This material is followed by the data, each data record consisting of a subject number (increasing but occasionally not consecutive) followed by NVT data values. The last data record is followed by a pseudo-data record for which the subject number is negative. Thus the user can read in all the data by reading the data for NSB subjects or by reading data until a negative subject number is sensed. Care should be taken in reading the data until an end of file (EOF) is sensed to insure that the pseudo-data record is not treated as a normal data record.

To read the tape, the user need provide only:

- a. the dimension statement: Dimension HDG(20),F(20);
- b. the preferred value of NLGTH: 2, 3, or 5;
- c. the number of the input tape, NT;

d. a format statement 1 Format (20A4) plus, of course, dimension statements for the material to be read in (Name, A,X).

The following is a possible input routine:

```

Dimension HDG(20),F(20),NAME( , ),A( ,7),X( )
NLGTH=?? $ NT=??
Read (NT,1)HDG,F
1 Format (20A4)
Print 1, HDG
Read (NT,F)NSRVY,NVØ,NVT,NSB,NLS,NDATE
Print F,NSRVY,NVØ,NVT,NSB,NLS,NDATE
If (NLGTH.EQ.2) Read (NT,1)F,HDG,HDG
If (NLGTH.EQ.3) Read (NT,1)HDG,F,HDG
If (NLGTH.EQ.5) Read (NT,1)HDG,HDG,F
DØ 2 J=1, NLS
Read (NT,1)HDG
2 Print 1,HDG
DØ 3 J=1, NVT
Read (NT,F)K, (NAME(J,L),L=1,NLGTH), (A(J,L),L=1,7)
3 Print F,K, (NAME(J,L),L=1,NLGTH), (A(J,L),L=1,7)
Read (NT,1)F
Print 1,F
DØ 999 J=1 NSB
Read (NT,F)NSUB, (X(L),L=1,NVT)
--- -- ---
--- -- ---
--- -- ---
or 99 Read (NT,F)NSUB, (X(L),L=1,NVT)
If (NSUB.LE.0) go to 999
--- -- ---
Go to 99
999 Continue.
999 Continue.

```

Section III

THE XVAL PRINTOUTS

Volumes I through IV have been processed on the "XVAL" computer program and the results presented at appropriate places throughout this report. These printouts are included in the hope--and with the expectation--that a knowledge of the statistical characteristics of the data on these tapes will facilitate their use and the planning of their use. In this section, we shall give a brief description of the contents of these printouts.

The XVAL program was originally designed to single out and identify the more obvious outliers in a fresh set of data. While that task remains the program's primary function, additions to the program over a period of time have increased the program's output so that it now provides a reasonable summary and a general description of the metric values in a set of data.

The printout constituting Table 4 is typical of the four printouts included in this report in which series of values are given for each variable.

a. the ten smallest and the ten largest values and the associated subject numbers. The first and last of these values for any variable provide the actual range for that variable. Thus, the weights (variable No. 2 in Table 4) range from 85 pounds for subject 1922 to 200 pounds for subject 709;

b. the mean, standard deviation, and coefficient of variation (127.28 lbs, 16.59 lbs, and 13.03% for these weights);

c. two values, labelled TOP and BOT, computed by dividing the spreads of the top and bottom ten values by the difference between the 10th largest and the 10th smallest. These statistics have never proved to be of much value;

d. the third moment measure of symmetry, β_1 , and the fourth moment measure of kurtosis, β_2 . Except for weight and skinfolds, most body size measures have values close to zero for β_1 and to 3.0 for β_2 . The value of β_2 is drastically affected by the presence of abnormal outliers; a seriously mispunched value may cause β_2 to be as large as 10 or even larger. The values here for weight, $\beta_1=0.64$ and $\beta_2=3.85$, are typical of those for the weights of healthy adults. In these listings, β is spelled in conformance with contemporary Greek pronunciation;

e. the mean value as computed from all the data except the 20 most extreme values and the standard deviation as estimated from them. The values for weight $\bar{X}=127.13$ and $SD=16.45$ are clearly quite close to

those based on the entire sample. The standard deviation estimate is computed by multiplying the actual standard deviation of the N=20 values by a factor based on formulas for truncated normal distributions;

f. the differences between the full-sample mean and standard deviation and the statistics based on the truncated sample reported as percents of the standard deviation estimate from the truncated sample. Rarely, if ever, are these values large for well edited anthropometric measurements;

g. finally, the number of non-zero values.

A summary of these statistics is included at the end of the printout.

The data values listed by this program and the means and standard deviations are presented in the units in which the data are recorded on the tapes.

Some of this material, included to help identify errors in the original data, are rather irrelevant at this point and can be easily ignored. Non-metric data are treated by this program just like the metric data; we assume the reader to be fully able to ignore statistics such as means and standard deviations for birthplaces, blood types, and similar variables.

Section IV

THE ANTHROPOMETRIC VARIABLES

Over 250 measurements are included in one or more of the data sets appearing in these volumes. Almost 60 of these: acromial height, ankle circumference, biacromial breadth, biceps circumference-flexed, bideltoid breadth, biocular breadth, bitragion-coronal arc, bizygomatic breadth, buttock circumference-sitting, buttock depth, buttock-knee length, calf circumference, cervical height, chest breadth, chest circumference, crotch height, ear breadth, ear length, ectocanthus-to-wall, elbow rest height, eye height-sitting, foot breadth, foot length, forearm circumference-flexed, gluteal furrow height, hand breadth, hand length, head breadth, head circumference, head length, hip breadth, lateral malleolus height, lip length, menton-subnasale length, nasal breadth, neck circumference, popliteal length, sagittal arc, scye circumference, shoulder circumference, shoulder length, sitting height, sleeve inseam, sleeve length, stature, suprasternale height, thigh circumference, thigh clearance, thumb-tip reach, tragion to top of head, tragion to wall, vertical trunk circumference, waist back, waist breadth, waist circumference, waist depth, waist height, weight, and wrist circumference, are represented in all four data tapes. Only half a dozen of these also were included in the three non-USAF surveys represented in the correlation tape, Volume V: buttock-leg length, chest circumference, sitting height, stature, waist circumference, and weight.

These measurements for which data are included in Volumes I-IV and those included for the non-USAF surveys in the correlation matrices of Volume V are listed, by survey source, in Table 1. For the USAF surveys, the variables in the correlation matrices are, with a few exceptions, the same as those in Volumes I-IV. The exceptions are a result of incomplete data for: a) the 13 measurements made over foundation garments in the Air Force Women's Survey of 1968, and b) the two hairline (crinion) measurements omitted on the bald and balding in the 1950 Flying Personnel Survey, and three measurements--substernale and penale heights, first phalanx III length--introduced into the 1950 survey after it was well underway. All other measurement data in these four volumes are essentially complete except for two measurements introduced into the 1965 survey after it had started (instep and heel-ankle circumferences). Data for these two measurements are complete, however, for the basic trainees, and they are included in the correlation matrix.

Brief definitions of these measurements, based on a similar table in Churchill, Kikta, and Churchill (1977)², appear in the Appendix. These

²Churchill, Edmund, Paul Kikta, and Thomas Churchill. Intercorrelations of Anthropometric Measurements: A Source Book for USA Data, AMRL-TR-77-2, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, 1977.

definitions have been kept short by assuming that the following conventions are, in effect, incorporated into the definitions:

a. Position of the subject. Most measurements were made with the subject 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 mentioned in these definitions. The three basic positions are as follows:

- i. Standing, erect. The usual position if no position is specified and the word sitting appears neither in the measurement name nor 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.

- ii. Sitting, erect. The usual position if the word sitting 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°.

- iii. 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. The side of the body. Unilateral measurements were normally made on the right side of the body except in 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. Heights, breadths, depths, circumference, arcs. Heights, breadths, and depths are straight line measurements made with an anthropometer, calipers, or a similar instrument. Lengths are measured similarly unless the word tape is specified. Circumferences and arcs are tape measurements.

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

- i. A standing height is the vertical distance from a specified point on the body to the floor.
- ii. A sitting height is the vertical distance from a specified body point to either the sitting surface or the footrest surface, as is stated in the definition.
- iii. A torso breadth is the horizontal distance measured from a specified point on the right side of the body to the same point on the left side.
- iv. Limb breadths are measured across the limb from its medial to its lateral edge.
- v. A torso depth is a horizontal measurement measured in a sagittal plane from the front to the rear of the body.
- vi. Torso circumferences are normally measured in a horizontal plane.
- vii. Limb circumferences are normally measured in a plane perpendicular to the long axis of the relevant limb segments.

Different locations of waist level were used in these surveys. The 1968 Air Force Women's Survey defined waist level as the level established by the subject placing an elastic tape around her "natural waist." The 1967 Flying Personnel and 1965 Male Personnel Surveys, along with the Law Enforcement Officer Survey which is represented in Volume V, used the level of omphalion, the center of the navel.

The 1950 Flying Personnel Survey used the "natural waistline, the level of greatest indentation in the region of the abdomen." If this natural waistline was not visible, the level at which the belt was worn was to be used.

The 1946 Army female separatee survey, for which a correlation matrix is included in Volume V, used the "minimal circumference between the iliac crest and the 12th rib," and the Health Examination Survey defined waist level as being the "natural waist indentations."

Section V

VOLUME I--THE 1968 SURVEY OF AIR FORCE WOMEN

The survey of Air Force women, conducted in the spring of 1968, constitutes the first major anthropometric survey of American women made since the completion of World War II. One hundred and twenty-three body size dimensions and grip strength were measured on a sample of 1905 women; 13 of the measurements were repeated on about 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 by Charles E. Clauser and his colleagues.³ 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).

Most of the officers who were measured were nurses (about 5 out of 6) 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.

Ninety-one percent of the sample were Whites, 8% were Blacks, and 1% were 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.

The metric contents of this tape (variables 1-140) are complete except for the over-foundation-garment measurements (variables 126-138) for which N=1513 and reported height and reported weight (variables 139-140) for which N=1903. Non-metric information includes rank

³AMRL-TR-70-5, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, 1972.

(variable #145), race (#143), marital status (#144), blood type (#148), Rh factor (#149), age at first menstruation (#155), birthplaces of subjects and their parents (#151, 152, 153), handedness (#150), Air Force Specialty Code (#142), type of foundation garment worn (#141), command (#146), where measured (#147). Coding for these variables appears in the tape heading shown in Table 3.

The format for the data is (see record 218, Table 3):

(I4,19F4.0/2(20F4.0/),2(25F3.0,F5.0/),20F4.0/,9F4.0,F3.0,
F6.0,8F2.0,5F3.0,F4.0)

Seven card images are required for each subject's data. With 1905 subjects, plus the pseudo data record, and the 218 records of the heading, the tape contains 13,560 card image records.

The XVAL listing for Volume I appears in Table 4.

TABLE 3

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME I

REC 0001.. ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **
 REC 0002.. (7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4)
 REC 0003.. NSRVY=0001; NVD = 140; NVT = 150; NSB = 1905; NLS = 55; NOATE=7609
 REC 0004.. (I4,2X,2A9,3F8.2,2F6.2,2F10.7)
 REC 0005.. (I4,2X,3A6,3F8.2,2F6.2,2F10.7)
 REC 0006.. (I4,2X,4A4,A2,3F8.2,2F6.2,2F10.7)
 REC 0007.. THE SURVEY OF WOMEN OF THE AIR FORCE WAS MADE IN THE SPRING OF 1968 BY THE ANTH
 REC 0008.. ROPOLOGY BRANCH, AEROSPACE MEDICAL RESEARCH LABORATORY, WRIGHT-PATTERSON AFB, O
 REC 0009.. HIO AND THE ANTHROPOLOGY RESEARCH PROJECT (THEN AT ANTIOCH COLLEGE, YELLOW SPRIN
 REC 0010.. GS, OHIO). A DESCRIPTION OF THE SURVEY AND THE RESULTS ARE PUBLISHED IN ANTHRO
 REC 0011.. PDMETRY OF AIR FORCE WOMEN, BY CLAUSER ET AL., AMRL-TR-70-5 (AO-743-113), AEROSP
 REC 0012.. ACE MEDICAL RESEARCH LAB, WPAFB, OHIO, 1972. DATA FOR AGE (VARIABLE 1), 123 BOO
 REC 0013.. Y SIZE MEASUREMENTS (VARIABLES 2-124), AND GRIP STRENGTH (VARIABLE 125) WERE OBT
 REC 0014.. INED FROM A SAMPLE OF 1905 WOMEN. 13 MEASUREMENTS WERE REPEATED ON 1513 SUBJEC
 REC 0015.. TS WITH THE SUBJECTS WEARING FOUNDATION GARMENTS (VARIABLES 126-138). ALL OTHER
 REC 0016.. MEASUREMENT DATA RECORDS (X(1)-X(125)) ARE COMPLETE. X(139), STATURE REPORTED,
 REC 0017.. IS MISSING FOR SUBJECTS 6 AND 324 AND X(140), WEIGHT REPORTED, FOR SUBJECTS
 REC 0018.. 1349 AND 1651. AGE, AGE AT MENARCHE, AND YEAR OF BIRTH (AFTER 1900) ARE RECORDE
 REC 0019.. D IN TENTHS OF YEARS; YEAR OF MEASUREMENT (AFTER 1900) IN HUNDRETHS OF YEARS.
 REC 0020.. SKINFOLDS ARE RECORDED IN TENTHS OF MILLIMETERS, WEIGHT AND REPORTED WEIGHT IN
 REC 0021.. POUNDS, REPORTED STATURE IN INCHES, GRIP STRENGTH IN KILOGRAMS. ALL OTHER MEAS
 REC 0022.. UREMENT VARIABLES WERE RECORDED IN MILLIMETERS.
 REC 0023.. CODED VARIABLES----
 REC 0024.. 1. AGE
 REC 0025.. AS REPORTED PLUS 0.5
 REC 0026.. 141. FOUNDATION GARMENT
 REC 0027.. 1-REGULAR PANTY GIRDLE / 2-LONG LEG PANTY GIRDLE / 3-REGULAR GIRDLE / 4-LONG
 REC 0028.. LEG GIRDLE / 5-CORSET / 6-PANTY / 7-MISCELLANEOUS / 9-NOT SPECIFIED /
 REC 0029.. 142. AIR FORCE SPECIALTY CODE (SEE TAPE BOOKLET)
 REC 0030.. 143. RACE
 REC 0031.. 1-BLACK / 2-WHITE / 3-OTHER /
 REC 0032.. 144. MARITAL STATUS
 REC 0033.. 1-SINGLE / 2-MARRIED / 3-DIVORCED / 4-OTHER /
 REC 0034.. 145. RANK
 REC 0035.. 11-BASIC AIRMAN / 12-AIRMAN / 13-AIRMAN FIRST CLASS / 14-SERGEANT / 15-STAFF
 REC 0036.. SERGEANT / 16-TECHNICAL SERGEANT / 17-MASTER SERGEANT / 18-SENIOR MASTER
 REC 0037.. SERGEANT / 21-OFFICER TRAINEE / 31-2D LT / 32-1ST LT / 33-CAPTAIN / 34-MAJOR /
 REC 0038.. 35-LT-COL / 36-COLONEL /
 REC 0039.. 146. COMMAND
 REC 0040.. 1-AFSC / 2-AFLC / 3-ATC / 4-SAC / 5-ADC / 6-TAC /
 REC 0041.. 147. LOCATION
 REC 0042.. 1-CARSWELL / 2-LACKLAND / 3-RANDOLPH / 4-SHEPPARD / 5-WRIGHT-PATTERSON /
 REC 0043.. 6-SEWARD /
 REC 0044.. 148. BLOOD TYPE
 REC 0045.. 1-A / 2-B / 3-AB / 4-O /
 REC 0046.. 149. RH FACTOR
 REC 0047.. 1-NEG / 2-PDS /
 REC 0048.. 150. HANDEDNESS
 REC 0049.. 1-RIGHT / 2-LEFT / 3-AMBIDEXTROUS /
 REC 0050.. 151-153. BIRTHPLACE (SUBJECT, FATHER, AND MOTHER)
 REC 0051.. 11-MAINE / 12-NEW HAMP / 13-VERMONT / 14-MASS / 15-RHODE IS / 16-CONN / 21-NEW
 REC 0052.. YORK / 22-NEW JERSEY / 23-PENN / 31-DELAWARE / 32-MARYLAND / 33-DC / 34-VIRGINIA
 REC 0053.. 35-W VIRGINIA / 36-N CAROLINA / 37-S CAROLINA / 38-GEORGIA / 39-FLORIDA
 REC 0054.. 41-OHIO / 42-INDIANA / 43-ILLINOIS / 44-MICHIGAN / 45-WISCONSIN / 51-KENTUCKY
 REC 0055.. 52-TENNESSEE / 53-MISSISSIPPI / 54-ALABAMA / 61-MINNESOTA / 62-IOWA
 REC 0056.. 63-MISSOURI / 64-N DAKOTA / 65-S DAKOTA / 66-NEBRASKA / 67-KANSAS / 71-ARKANAS
 REC 0057.. 72-LOUISIANA / 73-OKLAHOMA / 74-TEXAS / 81-MONTANA / 82-IOAHO / 83-WYOMING
 REC 0058.. 84-COLORADO / 85-UTAH / 86-NEVADA / 87-ARIZONA / 88-N MEXICO / 91-CALIFORNIA
 REC 0059.. 92-OREGON / 93-WASHINGTON / 94-ALASKA / 95-HAWAII / SEE TAPE BOOKLET FOR
 REC 0060.. FOREIGN CODES. /

TABLE 3 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME I

REC	NO	DESCRIPTION	1	2	3	4	5	6	7	8	9	10
REC 0061..	**	AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN										**
REC 0062..	1	AGE	17750	56500	23000	2000	1000	1000000	10000000			
REC 0063..	2	WEIGHT	8250	20000	12600	500	300	4535924	22046223			
REC 0064..	3	TRICEPS SKINFOLD	5250	45800	18000	2000	1000	100000	3937008			
REC 0065..	4	SUBSCAPULAR SKINFOLD	4250	37200	12000	2000	1000	100000	3937008			
REC 0066..	5	SUPRAILIAC SKINFOLD	4250	50000	19000	2000	1000	100000	3937008			
REC 0067..	6	MEDIAL CALF SKINFOLD	1250	37200	15000	2000	1000	100000	3937008			
REC 0068..	7	STATURE	144250	183000	162000	2000	1000	1000000	3937008			
REC 0069..	8	STATURE, MAXIMUM	144250	184000	162000	2000	1000	1000000	3937008			
REC 0070..	9	CERVICAL HEIGHT	120250	156800	139000	2000	1000	1000000	3937008			
REC 0071..	10	ACROMIAL HEIGHT	114250	152000	131000	2000	1000	1000000	3937008			
REC 0072..	11	SUPRASTERNAL HEIGHT	116250	150600	131000	2000	1000	1000000	3937008			
REC 0073..	12	BUST POINT HEIGHT	100250	136300	118000	2000	1000	1000000	3937008			
REC 0074..	13	WAIST HEIGHT	86250	115500	100000	2000	1000	1000000	3937008			
REC 0075..	14	ABDOMINAL EXT HGT	78250	108000	93000	2000	1000	1000000	3937008			
REC 0076..	15	TROCHANTERIC HGT	68250	96500	82000	2000	1000	1000000	3937008			
REC 0077..	16	BUTTOCK HEIGHT	64250	96600	82000	2000	1000	1000000	3937008			
REC 0078..	17	GLUTEAL FURROW HGT	58250	86400	72000	2000	1000	1000000	3937008			
REC 0079..	18	TIBIAL HEIGHT	33250	49600	41600	1000	500	1000000	3937008			
REC 0080..	19	CROTCH HEIGHT	60250	87500	74000	2000	1000	1000000	3937008			
REC 0081..	20	ANKLE HEIGHT	7250	16000	11000	500	500	1000000	3937008			
REC 0082..	21	LAT'L MALLEOLUS HT	4750	8700	6700	500	500	1000000	3937008			
REC 0083..	22	SITTING HT, RELAXED	73250	96000	84000	1000	500	1000000	3937008			
REC 0084..	23	SITTING HEIGHT	75250	96400	85500	1000	500	1000000	3937008			
REC 0085..	24	EYE HEIGHT, SITTING	63250	83100	73600	1000	500	1000000	3937008			
REC 0086..	25	MIDSHOULDER HT, SIT	50250	67200	57600	1000	500	1000000	3937008			
REC 0087..	26	WAIST HGT, SITTING	17750	29200	23100	500	500	1000000	3937008			
REC 0088..	27	ELBOW REST HEIGHT	14250	29500	22500	1000	500	1000000	3937008			
REC 0089..	28	POPITEAL HEIGHT	33250	47100	40800	1000	500	1000000	3937008			
REC 0090..	29	BUTTOCK-POPIT'L L	38250	58500	47600	1000	500	1000000	3937008			
REC 0091..	30	BUTTOCK-KNEE LNTH	48250	66400	57200	1000	500	1000000	3937008			
REC 0092..	31	ACROMION-RADIALE L	25250	36500	30900	500	500	1000000	3937008			
REC 0093..	32	RADIALE-STYLION L	18750	28000	23200	500	500	1000000	3937008			
REC 0094..	33	THUMB-TIP REACH	62250	87200	74000	1000	1000	1000000	3937008			
REC 0095..	34	THUMB-TIP, EXTENDED	70250	100000	83000	2000	1000	1000000	3937008			
REC 0096..	35	OVERHEAD REACH	174250	227600	198000	3000	1500	1000000	3937008			
REC 0097..	36	NECK CIRCUMFERENCE	28250	39900	33600	500	500	1000000	3937008			
REC 0098..	37	SHOULDER CIRCUMFER	86250	122100	100000	2000	1000	1000000	3937008			
REC 0099..	38	CHEST CIRC AT SCYE	70250	103500	84000	2000	1000	1000000	3937008			
REC 0100..	39	BUST CIRCUMFERENCE	74250	113900	89000	2000	1000	1000000	3937008			
REC 0101..	40	CHEST C BELOW BUST	60250	97000	74000	2000	1000	1000000	3937008			
REC 0102..	41	WAIST CIRCUMFERENCE	52250	95100	67000	2000	1000	1000000	3937008			
REC 0103..	42	ABDOMINAL EXT CIRC	64250	119000	85500	2500	1500	1000000	3937008			
REC 0104..	43	HIP C-7" BLW WAIST	76250	117000	93000	2000	1000	1000000	3937008			
REC 0105..	44	HIP C-9" BLW WAIST	76250	120100	95000	2000	1000	1000000	3937008			
REC 0106..	45	UPPER THIGH CIRCUM	42250	72000	55000	2000	1000	1000000	3937008			
REC 0107..	46	KNEE CIRCUMFERENCE	30250	45700	36000	1000	500	1000000	3937008			
REC 0108..	47	CALF CIRCUM, RIGHT	26250	44500	34000	1000	500	1000000	3937008			
REC 0109..	48	CALF CIRCUM, LEFT	26250	44000	34000	1000	500	1000000	3937008			
REC 0110..	49	ANKLE CIRCUMFERENCE	17250	25600	21000	500	500	1000000	3937008			
REC 0111..	50	VERTICAL TRUNK CIR	134250	178200	154000	2000	1000	1000000	3937008			
REC 0112..	51	VERTICAL TRK C, SIT	132250	170500	150000	2000	1000	1000000	3937008			
REC 0113..	52	BUTTOCK CIRC, SIT	84250	128400	99000	2000	1000	1000000	3937008			
REC 0114..	53	SCYE CIRCUMFERENCE	28250	49000	37000	1000	500	1000000	3937008			
REC 0115..	54	AXILLARY ARM CIRC	20250	39100	27200	1000	500	1000000	3937008			
REC 0116..	55	BICEPS C, RELAXED, R	19250	37400	25200	1000	500	1000000	3937008			
REC 0117..	56	BICEPS C, FLEXED, R	19250	39000	26400	1000	500	1000000	3937008			
REC 0118..	57	BICEPS C, RELAXED, L	19250	37800	25600	1000	500	1000000	3937008			
REC 0119..	58	BICEPS C, FLEXED, L	19250	39200	26400	1000	500	1000000	3937008			
REC 0120..	59	ELBOW CIRC, FLEXED	21250	35800	26700	1000	500	1000000	3937008			

TABLE 3 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME I

REC 0121..	60	FOREARM C, RELAXED	19250	30000	23400	500	500	1000000	3937008
REC 0122..	61	FOREARM C, FLEXED	19250	32800	24900	1000	500	1000000	3937008
REC 0123..	62	WRIST CIRCUMFERENCE	12250	17600	14800	500	500	1000000	3937008
REC 0124..	63	BIACROMIAL BREADTH	30750	41600	35700	500	500	1000000	3937008
REC 0125..	64	BIDELTOID BREADTH	34250	50100	41700	1000	500	1000000	3937008
REC 0126..	65	CHEST BREADTH	22250	35900	27900	1000	500	1000000	3937008
REC 0127..	66	BUST PT-BUST PT BR	12750	24600	18300	500	500	1000000	3937008
REC 0128..	67	WAIST BREADTH	18250	32700	24000	1000	500	1000000	3937008
REC 0129..	68	HIP BREADTH	28250	44100	34800	1000	500	1000000	3937008
REC 0130..	69	THIGH-THIGH BR,SIT	28250	50200	38000	1000	500	1000000	3937008
REC 0131..	70	HUMERAL BREADTH, R	5150	7500	6100	100	100	1000000	3937008
REC 0132..	71	HUMERAL BREADTH, L	5150	7400	6100	100	100	1000000	3937008
REC 0133..	72	FEMORAL BREADTH, R	6650	9900	8100	200	200	1000000	3937008
REC 0134..	73	FEMORAL BREADTH, L	6650	9900	8100	200	200	1000000	3937008
REC 0135..	74	CHEST DEPTH	18250	32300	23400	1000	500	1000000	3937008
REC 0136..	75	WAIST DEPTH	12250	25500	16800	1000	500	1000000	3937008
REC 0137..	76	ABDOMINAL EXT DPTH	15250	30300	20700	1000	500	1000000	3937008
REC 0138..	77	BUTTOCK DEPTH	15250	30600	21000	1000	500	1000000	3937008
REC 0139..	78	THIGH CLEARANCE	8750	16900	12400	500	500	1000000	3937008
REC 0140..	79	SHOULDER LENGTH	11250	18800	14800	500	500	1000000	3937008
REC 0141..	80	NECK-BUST POINT L	19250	32000	25200	1000	500	1000000	3937008
REC 0142..	81	STRAP LENGTH	52250	79700	65000	2000	1000	1000000	3937008
REC 0143..	82	INTERSCYE	27250	44200	34800	1000	500	1000000	3937008
REC 0144..	83	INTERSCYE, MAXIMUM	37250	60500	49000	1000	500	1000000	3937008
REC 0145..	84	BACK CURVATURE	33250	53500	42000	1000	500	1000000	3937008
REC 0146..	85	WAIST BACK	33250	48100	40500	1000	500	1000000	3937008
REC 0147..	86	ANTERIOR WAIST LTH	27250	41500	33300	1000	500	1000000	3937008
REC 0148..	87	SLEEVE INSEAM	36250	53500	44000	1000	500	1000000	3937008
REC 0149..	88	SPINE-TO-SCYE LGTH	15250	25500	20100	500	500	1000000	3937008
REC 0150..	89	SPINE-TO-ELBOW LTH	44250	62500	53200	1000	500	1000000	3937008
REC 0151..	90	SPINE-TO-WRIST LTH	67250	91200	79500	1000	500	1000000	3937008
REC 0152..	91	HAND LENGTH	15250	22000	18200	500	200	1000000	3937008
REC 0153..	92	HAND BREADTH	6050	8800	7500	200	100	1000000	3937008
REC 0154..	93	HAND CIRCUMFERENCE	14750	21500	18200	500	500	1000000	3937008
REC 0155..	94	FOOT LENGTH	20750	27600	24000	500	500	1000000	3937008
REC 0156..	95	FOOT BREADTH	6750	11000	8800	500	500	1000000	3937008
REC 0157..	96	HEAD LENGTH	16250	20700	18400	200	200	1000000	3937008
REC 0158..	97	HEAD BREADTH	12250	17100	14500	200	200	1000000	3937008
REC 0159..	98	HEAD CIRCUMFERENCE	49750	61700	54600	500	500	1000000	3937008
REC 0160..	99	TRAGION-TOP HEAD	10250	16100	12600	500	200	1000000	3937008
REC 0161..	100	ECTOCANTHUS-TOP HD	8250	15700	11600	500	200	1000000	3937008
REC 0162..	101	PRONASALE-TDP HEAD	10250	19300	14600	500	200	1000000	3937008
REC 0163..	102	SUBNASALE-TOP HEAD	12250	20500	15800	500	200	1000000	3937008
REC 0164..	103	STDMIDN-TOP HEAD	14250	23100	17800	500	200	1000000	3937008
REC 0165..	104	MENTON-TDP HEAD	18250	26800	21800	500	200	1000000	3937008
REC 0166..	105	TRAGION TO WALL	7250	14600	10000	500	200	1000000	3937008
REC 0167..	106	ECTOCANTHUS-WALL	13250	21200	16200	500	200	1000000	3937008
REC 0168..	107	PRONASALE TO WALL	18250	25000	21000	500	200	1000000	3937008
REC 0169..	108	SUBNASALE TO WALL	16250	24000	19600	500	200	1000000	3937008
REC 0170..	109	LIP PROTRUSION-WALL	16250	24100	19200	500	200	1000000	3937008
REC 0171..	110	MENTON TO WALL	14250	22900	18200	500	200	1000000	3937008
REC 0172..	111	SAGITTAL CURVATURE	29750	41500	34500	500	500	1000000	3937008
REC 0173..	112	BITRAGION-CORONAL	28750	39200	33900	500	500	1000000	3937008
REC 0174..	113	BIOCULAR BREADTH	7850	11200	9600	200	200	1000000	3937008
REC 0175..	114	BIAURICULAR BROTH	13250	20100	15800	500	200	1000000	3937008
REC 0176..	115	BITRAGION BREADTH	11250	15200	12800	200	200	1000000	3937008
REC 0177..	116	BIZYGOMATIC BROTH	10850	14900	12800	200	200	1000000	3937008
REC 0178..	117	BIGONIAL BREADTH	8050	12200	10100	200	200	1000000	3937008
REC 0179..	118	NASAL BREADTH	2250	4600	3100	200	200	1000000	3937008
REC 0180..	119	LIP LENGTH	3050	5800	4300	200	200	1000000	3937008

TABLE 3 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME I

REC 0181..	120	MENTON-SUBNASALE L	3850	7500	5500	200	100	1000000	3937008
REC 0182..	121	MENTON-SELLION LTH	8650	12800	10600	200	100	1000000	3937008
REC 0183..	122	SUBNASALE-SELLION	3050	6100	4500	200	100	1000000	3937008
REC 0184..	123	EAR LENGTH	3450	6900	5200	200	100	1000000	3937008
REC 0185..	124	EAR BREADTH	1850	4200	2900	200	100	1000000	3937008
REC 0186..	125	GRIP STRENGTH	950	5300	2900	200	100	10000000	22046223
REC 0187..	126	WAIST HEIGHT, OFG	86250	115300	100000	2000	1000	1000000	3937008
REC 0188..	127	ABDOM EXT HGT, OFG	78250	107900	92000	2000	1000	1000000	3937008
REC 0189..	128	WAIST CIRCUM, OFG	54250	89000	66000	2000	1000	1000000	3937008
REC 0190..	129	ABDOM EXT CIRC, OFG	64250	118200	87000	2500	1500	1000000	3937008
REC 0191..	130	HIP C-7***BLW W, OFG	76250	118800	93000	2000	1000	1000000	3937008
REC 0192..	131	HIP C-9***BLW W, OFG	76250	120200	95000	2000	1000	1000000	3937008
REC 0193..	132	WAIST BREADTH, OFG	17250	30800	21300	1000	500	1000000	3937008
REC 0194..	133	HIP BREADTH, OFG	27250	42700	33600	1000	500	1000000	3937008
REC 0195..	134	WAIST DEPTH, OFG	11250	24700	15600	1000	500	1000000	3937008
REC 0196..	135	ABDOM EXT DPTH, OFG	13250	30200	19600	1000	500	1000000	3937008
REC 0197..	136	BUTTOCK DEPTH, OFG	16250	30400	21300	1000	500	1000000	3937008
REC 0198..	137	BUTTOCK C, SIT, OFG	82250	128800	99000	2000	1000	1000000	3937008
REC 0199..	138	THI-THI BR, SIT, OFG	28250	48300	37200	1000	500	1000000	3937008
REC 0200..	139	STATURE REPORTED	5750	7400	6400	100	100	2540000	3937008
REC 0201..	140	WEIGHT REPORTED	8150	19500	12000	500	500	4535924	22046223
REC 0202..	141	FOUNDATION GARMENT	50	900	300	100	100	10000000	10000000
REC 0203..	142	AFSC	8750	9912800	5558000	396500	98500	10000000	10000000
REC 0204..	143	RACE	50	300	200	100	100	10000000	10000000
REC 0205..	144	MARITAL STATUS	50	400	100	100	100	10000000	10000000
REC 0206..	145	RANK (NUMERICAL)	1050	3600	1700	200	100	10000000	10000000
REC 0207..	146	COMMAND	50	600	200	100	100	10000000	10000000
REC 0208..	147	LOCATION	50	600	200	100	100	10000000	10000000
REC 0209..	148	BLOOD TYPE	50	400	200	100	100	10000000	10000000
REC 0210..	149	RH FACTOR	50	200	100	100	100	10000000	10000000
REC 0211..	150	HANDEDNESS	50	300	100	100	100	10000000	10000000
REC 0212..	151	BIRTHPLACE, SUBJECT	-50	18000	4800	1000	1000	10000000	10000000
REC 0213..	152	BIRTHPLACE, FATHER	-50	18000	4800	1000	1000	10000000	10000000
REC 0214..	153	BIRTHPLACE, MOTHER	-50	18000	4800	1000	1000	10000000	10000000
REC 0215..	154	YEAR OF BIRTH	11500	50500	50500	1000	1000	10000000	10000000
REC 0216..	155	AGE AT MENARCHE	8500	20800	13000	500	500	10000000	10000000
REC 0217..	156	YEAR MEASURED	683900	685200	684500	100	100	1000000	10000000
REC 0218..		(I4,19F4.0/2(20F4.0/),2(25F3.0,F5.0/),20F4.0/9F4.0,F3.0,F6.0,8F2.0,5F3.0,F4.0)							
REC 0219..	1	285 112 124 78 86 150156715811315126912511130 928 858 778 763 675 406 703							
REC 0220..	120	65 835 855 722 573 234 204 389 459 536 308 238 729 9021886 345 966 793 905							
REC 0221..	749	642 848 882 897 524 357 326 330 21115061474 945 343 252 228 239 229 232 231							
REC 0222..	22122814836139227619123333382 62 62 86 85253183227199120143257649348462425 376								
REC 0223..	339439192532802169 74179230 86183162565140122152163182223106166209195195188 392								
REC 0224..	372 95 169 133 126 97 35 43 55 109 50 56 32 25 313 842 612 843 875 878								
REC 0225..	214 328 177 223 215 922 357 62 116 2 9754 2 132 2 5 4 2 1 9 9 93941256839								
REC 0226..	2 315 127 182 106 108 1081624164114061310132711791000 937 830 800 704 405 738								
REC 0227..	113 60 850 873 769 603 261 255 397 476 585 307 235 745 9301953 345 996 845 922								
REC 0228..	741 669 820 943 986 568 358 338 332 196161215271050 391 279 251 267 260 263 252								
REC 0229..	225237146360409288194239355412 55 55 80 80254170204239142164270657352471395 419								
REC 0230..	343434214541805175 76171230 86185144539123107133146166209110171218202202184 355								
REC 0231..	325 94 166 125 111 93 33 46 57 106 51 53 30 32 987 926 637 830 948 981								
REC 0232..	226 358 168 204 244 986 399 64 122 2 9754 2 232 2 5 3 2 1 43 42 413681556839								
REC 0233..	3 455 126 160 164 326 68162216301375129613001169 968 887 857 795 705 406 731								
REC 0234..	125 68 887 899 788 588 220 223 394 441 548 310 237 737 8411951 3601057 934 957								
REC 0235..	831 747 900 925 930 525 350 330 331 195161715571011 391 295 265 270 266 281 271								
REC 0236..	242252155379420329177275333376 62 60 76 75251183218188120159279714385550451 420								
REC 0237..	359432221556818184 81202242 87184150553122111140150167205101164210196194184 373								
REC 0238..	351 97 160 132 130 111 32 42 54 106 46 60 35 33 969 902 718 886 911 909								
REC 0239..	260 335 185 221 216 995 362 64 126 3 9735 2 135 2 5 4 2 1 43 43 432271456839								
REC 0240..	4 295 143 352 192 456 352161416191370129412931171 971 876 819 771 684 385 731								

TABLE 3 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME I

REC 0241.. 103 65 883 896 790 615 254 275 390 450 578 291 220 658 8801950 356 970 864 968
 REC 0242.. 760 702 905 9701045 598 396 355 360 230164515641095 384 304 298 304 294 295 290
 REC 0243..260275160360407300198251382423 63 62 85 87254183220233142155259662330504394 415
 REC 0244..357410201522765174 73183233 80181152570130111140148165209124183223213208200 345
 REC 0245.. 370 105 165 129 135 112 28 43 60 115 50 50 36 24 0 0 0 0 0 0
 REC 0246.. 0 0 0 0 0 0 0 0 65 144 7 9754 2 233 2 5 1 1 1 37 36 373931096839
 REC 0247.. 5 235 146 180 110 132 1701700170714421375138612331037 958 866 854 777 461 794
 REC 0248.. 127 77 876 901 784 614 261 235 433 475 605 327 240 754 9042032 3651065 890 950
 REC 0249.. 779 702 890 9591000 593 385 364 359 220163415661038 380 286 274 291 271 280 280
 REC 0250..249266155373437297182255355388 65 63 87 86252171217233155162276697385553480 411
 REC 0251..360467205537812193 80193249 92196152580135130167179200228105170221203195183 383
 REC 0252.. 336 98 176 133 126 95 28 48 60 114 50 57 25 371050 970 657 905 955 975
 REC 0253.. 230 357 177 242 2531013 392 68 145 4 9754 2 232 2 5 1 1 1 41 41 414491356839
 REC 0254.. 6 325 132 264 292 304 30C151715211308123512341068 946 854 775 794 677 406 694
 REC 0255.. 107 66 789 804 703 570 225 158 390 476 567 320 224 728 8831882 3501056 9091001
 REC 0256.. 767 730 95710051006 575 358 339 338 194155414881060 401 315 287 297 294 303 260
 REC 0257..240252148343454298184261366398 58 59 83 83269209253255137129292712332480475 371
 REC 0258..330416191521775180 71170246 80180144546112115159165179215 94162207189186184 343
 REC 0259.. 331 87 165 135 125 101 32 41 55 106 47 53 33 24 940 852 725 981 989 991
 REC 0260.. 253 361 201 264 2511027 396 0 134 4 9735 2 133 2 5 3 2 1 44 44 443621056839
 REC 0261.. 7 345 138 102 80 78 581714173514671410140412471068 973 886 860 755 457 808
 REC 0262.. 140 71 900 909 791 619 249 237 439 470 595 321 254 799 9602110 3751043 905 929
 REC 0263.. 815 650 779 906 526 510 374 375 389 237167016041015 385 271 258 281 260 280 271
 REC 0264..250270158383430291182243334352 67 67 88 89254164207195138147302743356513430 394
 REC 0265..352453217566840190 84199263 88193150599133123145159179224123181230216220201 365
 REC 0266.. 343 105 176 140 125 107 38 50 61 112 50 61 31 31 0 0 0 0 0 0
 REC 0267.. 0 0 0 0 0 0 0 0 69 136 7 9754 2 234 2 5 1 2 1 23 231413371356839
 REC 0268.. 8 215 164 198 336 322 3041664167114441384136412571039 953 865 846 757 447 793
 REC 0269.. 105 67 886 892 769 627 247 254 451 470 602 326 241 770 9352029 362115710121025
 REC 0270.. 890 845100310191037 606 369 387 390 235167015991090 395 298 268 279 275 279 285
 REC 0271..250265156371474339211285380417 62 61 80 82294198245249137156266654347548435 414
 REC 0272..372481213565844188 77186254 86181144545117107135148167208 95156202193190187 355
 REC 0273.. 330 94 156 131 123 104 31 42 55 102 44 57 30 351045 951 816102510331031
 REC 0274.. 279 373 198 263 2491080 402 68 170 4 9754 2 131 1 5 4 2 1 62 62 614641436839
 REC 0275.. 9 355 160 196 88 162 10417801789152814701463132411191039 945 937 813 489 836
 REC 0276.. 130 78 916 946 826 665 272 267 471 520 621 365 269 820 9132145 3801095 951 997
 REC 0277.. 801 698 91910081017 625 389 363 363 241175117031123 393 281 250 272 258 270 301
 REC 0278..248259165397457291203249396434 67 66 87 89271177222236145162281703371528470 427
 REC 0279..366504222596898206 83198260 93205147595124119155166186231125190232215205189 393
 REC 0280.. 351 99 166 137 130 107 34 50 61 114 50 60 33 34 0 0 0 0 0 0
 REC 0281.. 0 0 0 0 0 0 0 0 70 160 7 9754 2 332 2 5 4 2 1 34 34 343291116839
 REC 0282.. 10 385 118 156 76 52 132159716091363129812931147 990 900 820 785 703 414 705
 REC 0283.. 120 63 847 864 747 602 244 245 397 434 546 304 227 684 8241952 351 955 799 868
 REC 0284.. 725 683 836 896 933 530 357 344 346 20415821546 990 380 254 255 267 255 264 269
 REC 0285..245245151359407271192251347383 62 61 82 85231178214202129140256646335485430 400
 REC 0286..310412201531782185 82191236 95182146541112107143152173214 97167207189187173 352
 REC 0287.. 330 91 157 130 128 100 33 46 57 107 41 60 30 30 974 885 643 853 888 912
 REC 0288.. 221 339 180 220 219 948 362 64 123 2 9754 2 234 2 5 1 2 1 23 23 232941256839

TABLE 4

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 1 THROUGH 8

	1		2		3		4		5		6		7		8	
	AGE	WEIGHT	TRICEPS SKINFOLD	SUBSCAPULAR SKINFOLD	SUPRAILIAC SKINFOLD	MEDIAL ANTERIOR SKINFOLD	ALF SKINFOLD	STATURE	STATURE	STATURE	STATURE	STATURE	STATURE	STATURE	STATURE	STATURE
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	185.0	85.0	58.0	50.0	48.0	16.0	16.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
2ND SMALLEST	185.0	90.0	64.0	52.0	50.0	22.0	22.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0	145.0
3RD SMALLEST	185.0	91.0	66.0	54.0	52.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
4TH SMALLEST	185.0	92.0	68.0	56.0	56.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
5TH SMALLEST	185.0	92.0	68.0	58.0	58.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
6TH SMALLEST	185.0	94.0	70.0	58.0	58.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
7TH SMALLEST	185.0	95.0	72.0	58.0	58.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
8TH SMALLEST	185.0	95.0	74.0	58.0	60.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
9TH SMALLEST	185.0	95.0	74.0	58.0	60.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
XTH SMALLEST	185.0	95.0	74.0	58.0	60.0	24.0	24.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0

XTH LARGEST	495.0	184.0	360.0	324.0	420.0	304.0	304.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
9TH LARGEST	505.0	186.0	360.0	324.0	424.0	308.0	308.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
8TH LARGEST	505.0	187.0	362.0	324.0	440.0	318.0	318.0	1789.0	1789.0	1789.0	1789.0	1789.0	1789.0	1789.0	1789.0	1789.0
7TH LARGEST	515.0	187.0	370.0	326.0	450.0	320.0	320.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0
6TH LARGEST	515.0	190.0	372.0	332.0	450.0	324.0	324.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0	1790.0
5TH LARGEST	515.0	190.0	386.0	332.0	456.0	348.0	348.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0
4TH LARGEST	535.0	194.0	406.0	336.0	458.0	352.0	352.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0	1796.0
3RD LARGEST	535.0	196.0	440.0	352.0	458.0	356.0	356.0	1800.0	1800.0	1800.0	1800.0	1800.0	1800.0	1800.0	1800.0	1800.0
2ND LARGEST	545.0	199.0	460.0	354.0	466.0	358.0	358.0	1807.0	1807.0	1807.0	1807.0	1807.0	1807.0	1807.0	1807.0	1807.0
1ST LARGEST	565.0	200.0	468.0	372.0	500.0	372.0	372.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0	1830.0
THE MEAN VALUE	234.28	127.28	190.32	128.59	197.23	159.47	159.47	1621.03	1621.03	1621.03	1621.03	1621.03	1621.03	1621.03	1621.03	1621.03
STO. DEVIATION	64.52	16.59	54.42	48.48	70.12	51.66	51.66	60.04	60.04	60.04	60.04	60.04	60.04	60.04	60.04	60.04
COEFF/VARIATION	27.54	13.03	28.59	37.70	35.55	32.40	32.40	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
TOP	0.23	0.18	0.38	0.18	0.22	0.24	0.24	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
BOT	0.0	0.11	0.06	0.03	0.03	0.03	0.03	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
VETA ONE	2.09	0.64	0.51	1.35	0.47	0.18	0.18	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
VETA TWO	7.20	3.85	3.82	5.30	3.30	3.60	3.60	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
(N-20)-AVG EST	233.01	127.13	189.87	127.87	196.63	159.25	159.25	1620.90	1620.90	1620.90	1620.90	1620.90	1620.90	1620.90	1620.90	1620.90
(N-20)-S.D. EST	63.75	16.45	53.86	47.87	69.98	51.34	51.34	60.34	60.34	60.34	60.34	60.34	60.34	60.34	60.34	60.34
PCT DIFF/MEANS	2.	1.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT OIF/ST OVS	1.	1.	1.	1.	0.	1.	1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.	-1.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 9 THROUGH 16

	9	10	11	12	13	14	15	16
	CERVICAL E HEIGHT	ACROMIAL HEIGHT	SUPRASTE RNALE HGHT	BUST POI NT HEIGHT	WAIST HE IGHT	ABDOMINA L EXT HGHT	TROCHANT ERIC HGHT	BUTTOCK HEIGHT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	1212.0 864	1162.0 470	1174.0 864	1007.0 664	873.0 864	790.0 864	701.0 1891	655.0 864
2ND SMALLEST	1233.0 470	1165.0 39	1175.0 39	1035.0 1789	875.0 1789	800.0 1789	702.0 864	667.0 927
3RD SMALLEST	1234.0 39	1175.0 864	1180.0 470	1042.0 143	881.0 649	802.0 649	703.0 927	697.0 1650
4TH SMALLEST	1250.0 1789	1179.0 1789	1184.0 1785	1045.0 1155	884.0 927	811.0 1650	713.0 39	700.0 774
5TH SMALLEST	1250.0 774	1185.0 1163	1184.0 1650	1046.0 470	884.0 470	813.0 39	720.0 1676	710.0 1789
6TH SMALLEST	1254.0 937	1187.0 1811	1185.0 1163	1057.0 1724	887.0 1768	820.0 470	721.0 1538	717.0 516
7TH SMALLEST	1257.0 1408	1190.0 1724	1189.0 1155	1057.0 1538	888.0 1650	824.0 937	721.0 1155	717.0 39
8TH SMALLEST	1259.0 111	1190.0 1538	1196.0 1471	1059.0 39	893.0 1388	824.0 927	722.0 1388	719.0 1155
9TH SMALLEST	1262.0 1811	1192.0 540	1196.0 357	1061.0 1676	894.0 774	825.0 774	725.0 528	722.0 470
XTH SMALLEST	1269.0 1650	1192.0 184	1197.0 1676	1064.0 1163	895.0 790	827.0 1537	726.0 1789	723.0 988

XTH LARGEST	1540.0 983	1465.0 1029	1463.0 1319	1324.0 1017	1123.0 1739	1052.0 424	943.0 1319	936.0 923
9TH LARGEST	1540.0 1042	1468.0 947	1465.0 659	1329.0 1111	1125.0 1758	1054.0 1057	944.0 1202	937.0 9
8TH LARGEST	1544.0 1624	1469.0 854	1469.0 735	1331.0 15	1127.0 1673	1055.0 1624	945.0 9	940.0 424
7TH LARGEST	1546.0 947	1470.0 9	1470.0 854	1337.0 947	1128.0 1319	1057.0 954	946.0 1624	944.0 399
6TH LARGEST	1546.0 1097	1470.0 991	1470.0 1042	1344.0 854	1135.0 424	1057.0 1739	952.0 923	946.0 954
5TH LARGEST	1555.0 854	1470.0 1624	1470.0 1111	1347.0 389	1141.0 735	1060.0 735	953.0 659	950.0 1624
4TH LARGEST	1560.0 659	1472.0 15	1472.0 1624	1352.0 954	1145.0 1097	1062.0 659	955.0 102	954.0 1111
3RD LARGEST	1562.0 954	1478.0 659	1475.0 583	1355.0 1624	1146.0 854	1063.0 1111	956.0 854	955.0 854
2ND LARGEST	1568.0 1111	1484.0 1042	1480.0 947	1357.0 663	1150.0 1111	1064.0 1097	965.0 424	963.0 219
1ST LARGEST	1568.0 1319	1520.0 954	1506.0 954	1363.0 1319	1155.0 983	1080.0 854	965.0 1097	966.0 735
THE MEAN VALUE	1391.96	1318.60	1320.01	1183.19	1002.79	931.52	826.72	£22.13
STD. DEVIATION	55.19	54.79	53.02	52.14	44.99	44.23	42.68	41.63
COFF./VARIATION	3.96	4.16	4.02	4.41	4.49	4.75	5.16	5.06
TOP**	0.10	0.20	0.16	0.15	0.14	0.12	0.10	0.14
BOT**	0.21	0.11	0.09	0.22	0.10	0.16	0.12	0.32
WETA ONE	0.14	0.14	0.15	0.20	0.15	0.15	0.12	0.09
WETA TWO	2.78	2.78	2.80	3.01	2.86	2.89	2.86	3.03
(N-20)-AVG EST	1391.87	1318.49	1319.91	1183.06	1002.70	931.46	826.65	822.09
(N-20)-S.D. EST	55.39	55.11	53.28	52.17	45.09	44.35	42.82	41.48
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	-1.	-0.	-0.	-0.	-0.	-0.	0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 17 THROUGH 24

	17	18	19	20	21	22	23	24
	GLUTEAL FURROW HGT	TIBIALE HEIGHT	CROTCH H EIGHT	ANKLE FE IGHT	LAT L MA LLEOLUS HT	SITTING HT,RELAXED	SITTING HEIGHT	EYE HEIG HT,SITTING
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	597.0 864	342.0 864	607.0 864	76.0 1086	49.0 231	736.0 1605	754.0 911	640.0 1088
2ND SMALLEST	599.0 774	351.0 927	622.0 927	80.0 1811	50.0 1811	747.0 655	757.0 655	644.0 911
3RD SMALLEST	602.0 927	355.0 774	632.0 1789	80.0 1426	50.0 447	748.0 1350	760.0 1350	651.0 1605
4TH SMALLEST	605.0 1155	360.0 1789	632.0 1155	80.0 1176	50.0 272	750.0 911	769.0 1408	652.0 1538
5TH SMALLEST	613.0 470	360.0 815	633.0 774	80.0 1163	50.0 167	756.0 1432	775.0 1605	655.0 1561
6TH SMALLEST	614.0 39	360.0 677	642.0 143	80.0 879	50.0 117	760.0 1508	776.0 706	655.0 1110
7TH SMALLEST	615.0 1789	361.0 708	644.0 1650	80.0 805	50.0 107	760.0 1408	777.0 497	655.0 655
8TH SMALLEST	625.0 988	362.0 1537	645.0 1768	83.0 719	50.0 550	765.0 1274	779.0 1088	657.0 497
9TH SMALLEST	628.0 1922	362.0 39	646.0 39	84.0 864	51.0 112	768.0 834	779.0 496	660.0 706
XTH SMALLEST	630.0 1537	364.0 143	650.0 1414	85.0 1108	52.0 1416	768.0 715	780.0 1236	661.0 1733

XTH LARGEST	842.0 102	487.0 983	860.0 983	152.0 1029	85.0 355	927.0 16	940.0 1029	819.0 869
9TH LARGEST	844.0 399	488.0 1042	863.0 1133	153.0 726	85.0 798	929.0 586	941.0 869	819.0 1027
8TH LARGEST	845.0 954	488.0 1133	864.0 923	155.0 507	85.0 954	930.0 735	942.0 351	820.0 596
7TH LARGEST	847.0 1017	489.0 9	865.0 854	155.0 1407	85.0 1055	932.0 1282	942.0 1282	822.0 132
6TH LARGEST	850.0 854	490.0 1111	868.0 15	155.0 1844	85.0 1087	933.0 351	944.0 16	823.0 947
5TH LARGEST	852.0 1624	493.0 1233	870.0 424	155.0 1899	85.0 1097	934.0 947	946.0 9	825.0 1624
4TH LARGEST	854.0 1111	494.0 659	871.0 659	158.0 761	85.0 1417	938.0 1664	948.0 1664	826.0 9
3RD LARGEST	856.0 1319	495.0 424	872.0 735	158.0 639	87.0 174	941.0 596	949.0 954	828.0 954
2ND LARGEST	859.0 923	496.0 235	872.0 1111	160.0 659	87.0 659	945.0 954	950.0 596	830.0 1282
1ST LARGEST	864.0 1097	496.0 947	875.0 1097	160.0 1440	87.0 926	960.0 991	964.0 991	831.0 991
THE MEAN VALUE	727.01	419.82	745.04	111.87	67.74	842.78	856.00	737.04
STD. DEVIATION	39.61	23.76	40.29	13.54	5.87	32.52	31.69	30.58
COEFF.VARIATION	5.45	5.66	5.41	12.11	8.67	3.86	3.70	4.15
TOP	0.10	0.07	0.07	0.12	0.06	0.21	0.15	0.08
BOTTOM	0.16	0.18	0.20	0.13	0.09	0.20	0.16	0.13
VETA ONE	0.15	0.22	0.17	0.43	0.04	0.05	0.08	0.09
VETA TWO	3.01	3.01	3.00	2.96	3.23	2.87	2.85	2.92
(N-20)-AVG EST	726.95	419.77	744.57	111.80	67.74	842.74	855.97	737.03
(N-20)-S.D.EST	39.43	23.81	40.28	13.57	5.85	32.61	31.79	30.66
PCT DIFF/MEANS	0.	0.	0.	1.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	0.	-0.	0.	-0.	-0.	-0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 25 THROUGH 32

	25	26	27	28	29	30	31	32
	MIOSHOUL DER HT,SIT VALUE SBJCT	WAIST HG HT,SITTING VALUE SBJCT	ELBOW RE ST HEIGHT VALUE SBJCT	POPLITEA L HEIGHT VALUE SBJCT	BUTTOCK- POPLIT L VALUE SBJCT	BUTTOCK- KNEE LENGTH VALUE SBJCT	ACROMION -RADIALE L VALUE SBJCT	RADIALE- STYLION L VALUE SBJCT
1ST SMALLEST	510.0 1432	179.0 1471	151.0 911	336.0 664	391.0 1922	486.0 1789	253.0 1650	192.0 1693
2ND SMALLEST	512.0 911	181.0 834	152.0 653	345.0 1447	398.0 927	489.0 927	257.0 774	193.0 39
3RD SMALLEST	512.0 436	182.0 1610	155.0 545	346.0 527	399.0 1891	501.0 1870	260.0 1155	194.0 1151
4TH SMALLEST	513.0 1853	184.0 1053	157.0 429	349.0 1650	400.0 1789	505.0 1083	261.0 1918	156.0 1163
5TH SMALLEST	513.0 191	184.0 729	160.0 457	351.0 1789	410.0 1870	505.0 774	261.0 927	198.0 927
6TH SMALLEST	514.0 790	184.0 261	162.0 637	351.0 143	410.0 1724	505.0 111	261.0 864	200.0 1332
7TH SMALLEST	515.0 1350	185.0 564	166.0 737	354.0 774	410.0 1681	508.0 1768	262.0 301	200.0 1256
8TH SMALLEST	516.0 1538	185.0 519	166.0 519	355.0 1297	412.0 445	508.0 965	264.0 1853	200.0 1221
9TH SMALLEST	518.0 834	187.0 458	166.0 453	355.0 136	413.0 1256	510.0 1000	265.0 649	200.0 864
XTH SMALLEST	519.0 545	189.0 1727	167.0 676	357.0 1103	414.0 814	510.0 937	267.0 1776	200.0 435

XTH LARGEST	649.0 1029	277.0 873	290.0 1492	465.0 424	552.0 1017	641.0 705	355.0 915	270.0 968
9TH LARGEST	650.0 1752	279.0 132	290.0 1523	465.0 1111	554.0 319	641.0 1057	355.0 1490	270.0 1042
8TH LARGEST	651.0 586	279.0 668	291.0 869	465.0 1449	560.0 694	642.0 1304	356.0 783	271.0 1395
7TH LARGEST	651.0 1239	280.0 983	291.0 1710	466.0 740	560.0 915	645.0 1206	358.0 493	272.0 1709
6TH LARGEST	654.0 1042	280.0 1111	291.0 1844	466.0 637	560.0 971	645.0 1568	358.0 1393	273.0 534
5TH LARGEST	658.0 668	280.0 1122	291.0 1851	467.0 180	560.0 1673	645.0 1683	359.0 90	274.0 90
4TH LARGEST	660.0 351	282.0 479	292.0 1279	467.0 545	561.0 1057	647.0 534	359.0 235	274.0 659
3RD LARGEST	665.0 9	289.0 97	293.0 1664	467.0 583	561.0 1779	648.0 1779	360.0 378	275.0 1899
2ND LARGEST	670.0 296	290.0 1050	295.0 1521	470.0 659	565.0 923	660.0 954	360.0 735	276.0 1029
1ST LARGEST	672.0 991	292.0 644	295.0 1648	471.0 9	585.0 954	664.0 983	365.0 9	280.0 854
THE MEAN VALUE	579.98	233.68	227.06	410.47	477.11	574.28	310.06	233.87
STO. DEVIATION	26.58	17.34	24.62	18.61	27.59	26.34	16.26	13.68
COFF/VARIATION	4.58	7.42	10.84	4.53	5.78	4.59	5.24	5.85
••TOP••	0.18	0.17	0.04	0.06	0.24	0.18	0.11	0.14
••BOT••	0.07	0.11	0.13	0.19	0.17	0.18	0.16	0.11
VETA ONE	0.17	-0.01	0.08	-0.03	0.32	0.12	-0.02	0.14
VETA TWO	2.84	2.98	2.82	3.70	3.07	2.83	3.02	3.03
(N-20)-AVG EST	579.91	233.68	227.07	410.50	477.04	574.27	310.06	233.85
(N-20)-S.D.EST	26.72	17.35	24.78	18.43	27.62	26.44	16.19	13.72
PCT DIFF/MEANS	0.	-0.	-0.	-0.	0.	0.	-0.	0.
PCT OIF/ST DVS	-1.	-0.	-1.	1.	-0.	-0.	0.	-0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

09/09/76

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 33 THROUGH 40

	33	34	35	36	37	38	39	40
	THUMB-TI P REACH	THUMB-TI P-EXTENDED	OVERHEAD REACH	NECK CIR CUMFERENCE	SHOULDER CIRCUMFER	CHEST CI RC AT SCYE	BUST CIR CUMFERENCE	CHEST C BELOW BUST
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	624.0 989	715.0 1112	1745.0 927	285.0 1820	863.0 1922	715.0 1922	750.0 1161	610.0 1520
2ND SMALLEST	625.0 25	720.0 1668	1760.0 39	295.0 1906	874.0 1459	725.0 1797	760.0 1520	635.0 1923
3RD SMALLEST	626.0 1155	720.0 1447	1765.0 1530	295.0 1236	884.0 1876	725.0 1789	766.0 188	635.0 1530
4TH SMALLEST	633.0 1916	721.0 516	1767.0 1538	296.0 824	885.0 1797	727.0 837	770.0 836	635.0 1307
5TH SMALLEST	633.0 1059	723.0 1342	1777.0 1650	296.0 650	886.0 1789	728.0 1183	778.0 1922	635.0 492
6TH SMALLEST	635.0 1394	723.0 864	1783.0 1724	299.0 1663	890.0 1748	730.0 1906	778.0 91	637.0 1706
7TH SMALLEST	636.0 1791	723.0 496	1783.0 1236	300.0 1501	852.0 1089	730.0 1876	779.0 365	640.0 1768
8TH SMALLEST	640.0 1676	724.0 1656	1785.0 1342	300.0 1499	895.0 1873	732.0 1530	780.0 1849	640.0 1485
9TH SMALLEST	640.0 1674	724.0 345	1788.0 820	300.0 1456	895.0 1530	732.0 1482	780.0 1333	640.0 1364
XTH SMALLEST	640.0 94	726.0 1163	1795.0 1638	300.0 1323	895.0 1355	735.0 1762	780.0 1152	642.0 872

XTH LARGEST	845.0 783	970.0 1249	2221.0 1739	386.0 36	1167.0 1425	1010.0 18	1090.0 954	904.0 69
9TH LARGEST	850.0 552	971.0 18	2223.0 194	388.0 605	1171.0 705	1010.0 1568	1095.0 1410	907.0 1413
8TH LARGEST	853.0 1790	971.0 997	2225.0 566	389.0 510	1171.0 954	1011.0 954	1099.0 772	916.0 600
7TH LARGEST	856.0 248	972.0 725	2225.0 854	389.0 622	1179.0 18	1012.0 8	1101.0 709	917.0 462
6TH LARGEST	856.0 493	973.0 1619	2229.0 385	390.0 475	1180.0 935	1012.0 725	1104.0 935	920.0 1425
5TH LARGEST	861.0 854	974.0 71	2235.0 659	390.0 531	1185.0 680	1016.0 709	1110.0 687	925.0 705
4TH LARGEST	862.0 194	974.0 92	2239.0 424	390.0 620	1188.0 1413	1020.0 1279	1112.0 838	930.0 475
3RD LARGEST	865.0 1418	977.0 60	2250.0 50	390.0 1206	1190.0 1568	1022.0 138	1120.0 475	935.0 709
2ND LARGEST	870.0 351	980.0 419	2258.0 636	392.0 600	1195.0 1223	1032.0 705	1122.0 441	944.0 680
1ST LARGEST	872.0 983	1000.0 90	2276.0 954	399.0 590	1221.0 709	1035.0 1223	1139.0 138	970.0 138
THE MEAN VALUE	741.31	838.33	1992.26	337.49	1004.13	842.49	897.26	743.26
STD. DEVIATION	38.76	48.78	85.58	16.77	51.38	49.64	57.02	48.67
COEFF/VARIATION	5.23	5.82	4.30	4.97	5.12	5.89	6.35	6.55
TOP	0.13	0.12	0.13	0.15	0.20	0.09	0.16	0.25
BOT	0.08	0.05	0.12	0.17	0.12	0.07	0.10	0.12
VETA ONE	0.04	0.20	0.07	0.30	0.50	0.61	0.74	0.68
VETA TWO	3.00	2.85	2.67	3.11	3.40	3.66	3.87	3.87
(N-20)-AVG EST	741.26	838.22	1992.10	337.43	1003.80	842.17	896.80	742.86
(N-20)-S.D.EST	38.72	49.19	86.04	16.80	51.22	49.46	56.68	48.29
PCT OIFF/MEANS	0.	0.	0.	0.	1.	1.	1.	1.
PCT DIF/ST OVS	0.	-1.	-1.	-0.	0.	0.	1.	1.
SIZE OF SAMPLE	1905	1905	1905	1505	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 41 THROUGH 48

	41	42	43	44	45	46	47	48
	WAIST CI	ABDOMINA	HIP C-7	HIP C-9	UPPER TH	KNEE CIR	CALF CIR	CALF CIR
	RCUMFERENCE	L EXT CIRC	8LM WAIST	8LM WAIST	IGH CIRCUM	CUMFERENCE	CUM, RIGHT	CUM, LEFT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	531.0 1922	652.0 1922	779.0 1922	772.0 111	435.0 977	306.0 1578	268.0 1516	270.0 1516
2ND SMALLEST	556.0 1108	680.0 1789	790.0 1906	780.0 1906	440.0 1922	307.0 1817	275.0 960	274.0 943
3RD SMALLEST	561.0 1869	686.0 904	791.0 1762	780.0 837	440.0 837	308.0 492	275.0 943	275.0 977
4TH SMALLEST	561.0 1757	690.0 259	800.0 111	793.0 1356	441.0 1906	310.0 1906	276.0 977	280.0 1817
5TH SMALLEST	565.0 837	694.0 1432	807.0 1817	795.0 1817	450.0 148	310.0 1459	282.0 837	282.0 1459
6TH SMALLEST	568.0 1355	695.0 1884	808.0 1485	801.0 1089	451.0 1817	310.0 837	283.0 1093	282.0 960
7TH SMALLEST	570.0 1274	695.0 1768	809.0 1700	803.0 1869	453.0 1356	312.0 1256	285.0 1817	285.0 1470
8TH SMALLEST	570.0 1161	695.0 1757	810.0 1789	805.0 1314	453.0 471	312.0 933	285.0 706	285.0 1093
9TH SMALLEST	570.0 977	700.0 1498	810.0 1516	807.0 1485	455.0 179	313.0 960	290.0 967	285.0 837
XTH SMALLEST	570.0 976	703.0 1825	810.0 1314	810.0 1762	458.0 1196	313.0 471	290.0 492	285.0 706

XTH LARGEST	871.0 838	1107.0 651	1132.0 709	1140.0 600	687.0 680	432.0 909	405.0 504	407.0 739
9TH LARGEST	875.0 462	1109.0 1422	1135.0 600	1142.0 868	690.0 809	436.0 712	406.0 739	410.0 72
8TH LARGEST	875.0 868	1115.0 1223	1135.0 680	1143.0 514	690.0 1206	440.0 709	409.0 499	410.0 451
7TH LARGEST	880.0 18	1120.0 705	1135.0 705	1144.0 680	695.0 983	440.0 1140	410.0 69	410.0 1215
6TH LARGEST	880.0 709	1125.0 709	1136.0 838	1152.0 687	700.0 1479	440.0 1223	410.0 670	412.0 69
5TH LARGEST	880.0 1223	1125.0 1206	1144.0 651	1180.0 69	702.0 1279	448.0 680	410.0 709	414.0 670
4TH LARGEST	892.0 705	1130.0 475	1155.0 69	1180.0 1223	704.0 868	450.0 1703	415.0 72	415.0 504
3RD LARGEST	908.0 600	1147.0 600	1155.0 1279	1185.0 1206	713.0 838	452.0 756	417.0 712	421.0 712
2ND LARGEST	914.0 1279	1153.0 1279	1160.0 1206	1190.0 705	715.0 1223	454.0 1087	440.0 680	439.0 18
1ST LARGEST	951.0 475	1190.0 69	1170.0 1223	1201.0 709	720.0 709	457.0 18	445.0 18	440.0 680
THE MEAN VALUE	672.03	856.45	936.36	952.72	554.75	363.01	341.44	342.32
STD. DEVIATION	54.77	72.80	55.87	60.17	42.19	22.65	22.47	22.81
COFF/VARIATION	8.15	8.50	5.57	6.32	7.61	6.24	6.58	6.66
••TOP••	0.27	0.21	0.12	0.18	0.14	0.21	0.35	0.27
••BOT••	0.13	0.13	0.10	0.12	0.10	0.06	0.19	0.12
VETA ONE	0.88	0.65	0.57	0.37	0.32	0.45	0.25	0.18
VETA TWO	4.36	3.93	3.93	3.63	3.42	3.44	3.28	3.21
(N-20)-AVG EST	671.44	855.87	935.97	952.43	554.54	362.86	341.36	342.24
(N-20)-S.D.EST	54.16	72.14	55.34	59.66	41.95	22.52	22.32	22.69
PCT DIFF/MEANS	1.	1.	1.	0.	1.	1.	0.	0.
PCT DIF/ST OVS	1.	1.	1.	1.	1.	1.	1.	1.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 49 THROUGH 56

	49	50	51	52	53	54	55	56
	ANKLE CI	VERTICAL	VERTICAL	8UTTOCK	SCYE CIR	AXILLARY	BICEPS C	8ICEPS C
	RCUMFERNCE	TRUNK CIR	TRK C,SIT	CIRC, SIT	CUMFERENCE	ARM CIRC	,RELAXED,R	,FLEXED,R
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	175.0	1345.0	1330.0	855.0	285.0	205.0	195.0	206.0
2ND SMALLEST	178.0	1350.0	1330.0	855.0	311.0	210.0	200.0	210.0
3RD SMALLEST	179.0	1368.0	1330.0	855.0	317.0	210.0	200.0	211.0
4TH SMALLEST	180.0	1376.0	1330.0	860.0	318.0	220.0	201.0	212.0
5TH SMALLEST	180.0	1380.0	1332.0	860.0	318.0	220.0	204.0	213.0
6TH SMALLEST	180.0	1380.0	1336.0	860.0	320.0	220.0	204.0	214.0
7TH SMALLEST	180.0	1384.0	1342.0	860.0	320.0	221.0	205.0	215.0
8TH SMALLEST	180.0	1385.0	1350.0	862.0	320.0	221.0	205.0	217.0
9TH SMALLEST	180.0	1390.0	1350.0	865.0	320.0	221.0	205.0	218.0
XTH SMALLEST	181.0	1390.0	1352.0	865.0	320.0	222.0	206.0	218.0

XTH LARGEST	246.0	1734.0	1665.0	1201.0	435.0	345.0	335.0	345.0
9TH LARGEST	248.0	1736.0	1687.0	1210.0	435.0	350.0	335.0	350.0
8TH LARGEST	248.0	1736.0	1688.0	1214.0	436.0	350.0	335.0	352.0
7TH LARGEST	248.0	1737.0	1658.0	1220.0	441.0	356.0	335.0	356.0
6TH LARGEST	248.0	1744.0	1695.0	1224.0	443.0	357.0	345.0	359.0
5TH LARGEST	249.0	1747.0	1700.0	1225.0	457.0	364.0	347.0	366.0
4TH LARGEST	250.0	1751.0	1700.0	1234.0	458.0	366.0	351.0	368.0
3RD LARGEST	250.0	1752.0	1702.0	1241.0	461.0	368.0	359.0	368.0
2ND LARGEST	254.0	1774.0	1703.0	1261.0	472.0	370.0	359.0	370.0
1ST LARGEST	256.0	1782.0	1705.0	1284.0	490.0	391.0	374.0	390.0

THE MEAN VALUE	210.85	1544.26	1500.66	599.97	370.98	274.38	256.11	267.94
STD. DEVIATION	12.89	68.69	65.56	60.89	22.88	23.40	22.93	23.15
COFF/VARIATION	6.11	4.45	4.37	6.05	6.17	8.53	8.95	8.64
••TOP••	0.15	0.14	0.06	0.25	0.48	0.37	0.30	0.35
••BOT••	0.09	0.13	0.07	0.03	0.30	0.14	0.09	0.09
VETA ONE	0.26	0.26	0.17	0.62	0.42	0.47	0.62	0.62
VETA TWO	2.95	2.95	2.87	3.98	3.64	3.05	4.03	4.13

(N-20)-AVG EST	210.81	1544.07	1500.48	999.49	370.84	274.22	255.91	267.73
(N-20)-S.D.EST	12.95	69.00	65.86	60.32	22.69	23.15	22.60	22.76

PCT DIFF/MEANS	0.	0.	C.	I.	I.	I.	I.	I.
PCT DIF/ST DVS	-0.	-0.	-C.	I.	I.	I.	I.	I.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1568 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 57 THROUGH 64

	57	58	59	60	61	62	63	64
	8ICEPS C RELAXED, L VALUE SBJCT	8ICEPS C FLEXED, L VALUE SBJCT	ELBOW CI RC, FLEXED VALUE SBJCT	FOREARM C, RELAXED VALUE SBJCT	FOREARM C, FLEXED VALUE SBJCT	WRIST CI RCUMFERNCE VALUE SBJCT	8IACROMI AL BREADTH VALUE SBJCT	8IDELTOI D BREADTH VALUE SBJCT
1ST SMALLEST	195.0	205.0	215.0	197.0	205.0	125.0	308.0	352.0
2ND SMALLEST	199.0	205.0	219.0	198.0	206.0	130.0	309.0	354.0
3RD SMALLEST	200.0	208.0	220.0	199.0	206.0	130.0	310.0	357.0
4TH SMALLEST	201.0	210.0	220.0	200.0	210.0	126	310.0	359.0
5TH SMALLEST	202.0	210.0	225.0	200.0	210.0	133.0	311.0	359.0
6TH SMALLEST	202.0	210.0	225.0	200.0	212.0	133.0	314.0	359.0
7TH SMALLEST	202.0	210.0	225.0	202.0	214.0	134.0	314.0	360.0
8TH SMALLEST	204.0	212.0	225.0	203.0	214.0	134.0	315.0	361.0
9TH SMALLEST	204.0	212.0	228.0	203.0	214.0	134.0	315.0	362.0
XTH SMALLEST	204.0	212.0	228.0	204.0	214.0	134.0	315.0	363.0

XTH LARGEST	337.0	345.0	320.0	277.0	297.0	170.0	404.0	485.0
9TH LARGEST	337.0	347.0	320.0	279.0	297.0	170.0	405.0	486.0
8TH LARGEST	342.0	348.0	320.0	280.0	299.0	170.0	407.0	490.0
7TH LARGEST	344.0	359.0	321.0	285.0	300.0	170.0	407.0	491.0
6TH LARGEST	345.0	360.0	322.0	285.0	303.0	171.0	409.0	492.0
5TH LARGEST	350.0	360.0	322.0	287.0	306.0	173.0	409.0	494.0
4TH LARGEST	355.0	365.0	325.0	292.0	308.0	175.0	410.0	494.0
3RD LARGEST	364.0	370.0	332.0	294.0	310.0	175.0	412.0	494.0
2ND LARGEST	367.0	370.0	339.0	295.0	310.0	175.0	415.0	495.0
1ST LARGEST	378.0	392.0	358.0	300.0	328.0	176.0	416.0	501.0
THE MEAN VALUE	256.62	265.38	269.76	234.76	249.75	149.63	358.43	418.74
STD. DEVIATION	24.08	23.82	17.83	13.78	15.20	7.12	16.39	23.13
COEFF/VARIATION	9.38	8.97	6.61	5.87	6.08	4.76	4.57	5.52
TOP	0.31	0.35	0.41	0.32	0.37	0.17	0.13	0.13
BOT	0.07	0.05	0.14	0.10	0.11	0.25	0.08	0.09
VETA ONE	0.65	0.66	0.26	0.38	0.34	0.26	0.09	0.26
VETA TWO	4.11	4.23	3.31	3.63	3.59	3.14	3.19	3.23
(N-20)-AVG EST	256.41	265.17	269.70	234.67	249.66	149.60	358.41	418.66
(N-20)-S.D.EST	23.76	23.44	17.76	13.61	15.02	7.11	16.34	23.11
PCT DIFF/MEANS	1.	1.	0.	1.	1.	0.	0.	0.
PCT DIF/ST DVS	1.	2.	0.	1.	1.	0.	0.	0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 65 THROUGH 72

	65	66	67	68	69	70	71	72
	CHEST 8R EADTH	BUST PT- 8UST 8R	MAIST 8R EADTH	HIP 8REA DTH	THIGH-TH IGH 8R.SIT	HUMERAL 8READTH, R	HUMERAL 8READTH, L	FEMORAL 8READTH, R
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	223.0 1520	131.0 184	190.0 1922	286.0 1869	291.0 837	52.0 407	52.0 64	67.0 758
2ND SMALLEST	226.0 911	134.0 254	192.0 1869	291.0 1762	309.0 1089	52.0 148	52.0 25	67.0 315
3RD SMALLEST	232.0 1438	139.0 1903	197.0 1757	291.0 1314	310.0 933	52.0 64	53.0 1203	67.0 286
4TH SMALLEST	233.0 1245	140.0 1866	158.0 1056	291.0 837	311.0 1906	53.0 1681	53.0 1083	67.0 281
5TH SMALLEST	235.0 254	140.0 1333	198.0 932	293.0 911	313.0 1314	53.0 1416	53.0 960	67.0 243
6TH SMALLEST	236.0 1815	141.0 1157	200.0 836	293.0 111	314.0 1356	53.0 1083	53.0 927	68.0 1918
7TH SMALLEST	237.0 1873	141.0 250	201.0 1789	297.0 748	314.0 111	53.0 56	53.0 280	68.0 117
8TH SMALLEST	237.0 1797	141.0 20	201.0 1520	298.0 1456	315.0 1634	53.0 25	53.0 165	69.0 1471
9TH SMALLEST	239.0 340	144.0 1302	201.0 1364	298.0 261	315.0 1196	54.0 322	53.0 148	69.0 571
XTH SMALLEST	240.0 1530	146.0 366	201.0 1152	299.0 1432	315.0 1024	54.0 259	53.0 143	69.0 252

XTH LARGEST	340.0 475	230.0 1087	302.0 668	412.0 182	467.0 1703	70.0 954	69.0 659	93.0 1215
9TH LARGEST	340.0 1300	231.0 37	304.0 600	414.0 153	470.0 675	70.0 1233	69.0 705	93.0 1284
8TH LARGEST	340.0 1425	231.0 838	304.0 705	417.0 914	470.0 680	70.0 1321	69.0 739	94.0 355
7TH LARGEST	343.0 1413	232.0 1148	306.0 18	422.0 120	475.0 914	70.0 1398	69.0 783	94.0 680
6TH LARGEST	344.0 725	234.0 669	306.0 1087	423.0 55	477.0 1223	71.0 474	69.0 954	94.0 1233
5TH LARGEST	345.0 709	234.0 725	306.0 1223	429.0 1223	480.0 651	71.0 978	69.0 978	94.0 1321
4TH LARGEST	345.0 726	236.0 475	310.0 1279	431.0 1206	482.0 69	71.0 1568	70.0 1750	94.0 1359
3RD LARGEST	348.0 675	242.0 1422	318.0 1425	432.0 69	484.0 1206	72.0 945	71.0 945	95.0 18
2ND LARGEST	348.0 1703	244.0 441	325.0 475	441.0 709	488.0 1422	72.0 983	72.0 1568	96.0 1223
1ST LARGEST	359.0 705	246.0 772	327.0 838	441.0 1422	502.0 709	75.0 670	74.0 670	99.0 983
THE MEAN VALUE	279.95	185.32	241.28	349.68	381.90	61.34	61.01	81.16
STD. DEVIATION	19.14	15.47	19.36	22.16	28.60	3.07	3.01	4.51
COEFF.VARIATION	6.84	8.35	8.02	6.34	7.49	5.00	4.94	5.56
TOP	0.19	0.19	0.25	0.26	0.23	0.31	0.31	0.25
80T	0.17	0.18	0.11	0.12	0.16	0.13	0.06	0.08
WETA ONE	0.47	0.21	0.53	0.35	0.42	0.15	0.08	0.09
WETA TWO	3.39	3.41	3.54	3.43	3.36	3.28	3.20	3.23
(N-20)-AVG EST	279.85	185.29	241.14	349.58	381.75	61.33	61.01	81.16
(N-20)-S.D.EST	19.09	15.34	19.27	22.04	28.48	3.05	3.01	4.50
PCT DIFF/MEANS	1.	0.	1.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	1.	0.	1.	0.	0.	0.	0.
SIZE OF SAMPLE	1905	1905	1905	1505	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 73 THROUGH 80

	73	74	75	76	77	78	79	80
	FEMORAL 8READTH, L	CHEST DE PTH	WAIST DE PTH	ABDCMINA L EXT DPTH	8UTTOCK DEPTH	THIGH CL EARANCE	SHOULDER LENGTH	NECK-8US T. POINT L
	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT	VALUE SUBJT
1ST SMALLEST	67.0	184.0	130.0	158.0	162.0	90.0	115.0	200.0
2ND SMALLEST	67.0	191.0	130.0	158.0	164.0	92.0	118.0	205.0
3RD SMALLEST	68.0	193.0	134.0	159.0	165.0	94.0	120.0	210.0
4TH SMALLEST	69.0	194.0	135.0	160.0	166.0	94.0	120.0	210.0
5TH SMALLEST	70.0	196.0	135.0	161.0	166.0	95.0	120.0	210.0
6TH SMALLEST	70.0	196.0	135.0	165.0	167.0	95.0	121.0	210.0
7TH SMALLEST	70.0	196.0	137.0	165.0	169.0	95.0	121.0	211.0
8TH SMALLEST	70.0	197.0	137.0	165.0	170.0	95.0	122.0	212.0
9TH SMALLEST	70.0	198.0	137.0	165.0	171.0	95.0	122.0	212.0
XTH SMALLEST	70.0	198.0	137.0	165.0	171.0	95.0	122.0	212.0

XTH LARGEST	93.0	300.0	235.0	288.0	270.0	158.0	174.0	310.0
9TH LARGEST	93.0	300.0	235.0	288.0	270.0	159.0	175.0	310.0
8TH LARGEST	93.0	300.0	235.0	289.0	272.0	159.0	175.0	310.0
7TH LARGEST	94.0	305.0	237.0	293.0	274.0	160.0	176.0	310.0
6TH LARGEST	94.0	306.0	237.0	294.0	275.0	163.0	177.0	312.0
5TH LARGEST	94.0	307.0	241.0	298.0	276.0	164.0	178.0	315.0
4TH LARGEST	95.0	308.0	243.0	300.0	278.0	165.0	178.0	315.0
3RD LARGEST	95.0	311.0	245.0	302.0	282.0	166.0	180.0	320.0
2ND LARGEST	95.0	315.0	247.0	302.0	286.0	169.0	181.0	320.0
1ST LARGEST	99.0	323.0	255.0	303.0	306.0	169.0	188.0	320.0
THE MEAN VALUE	81.40	236.43	170.14	208.90	211.53	124.36	146.61	254.95
STD. DEVIATION	4.38	19.32	16.72	21.19	17.90	12.52	10.21	18.90
COFF/VARIATION	5.38	8.17	9.83	10.14	8.46	10.07	6.97	7.41
TOP	0.26	0.23	0.20	0.12	0.36	0.17	0.27	0.10
BOT	0.13	0.14	0.07	0.06	0.09	0.08	0.13	0.12
VETA ONE	0.10	0.66	1.14	0.94	0.54	0.20	0.16	0.29
VETA TWO	3.07	3.71	5.41	4.81	3.94	2.86	3.02	3.06
(N-20)-AVG EST	81.39	236.28	169.96	208.70	211.41	124.32	146.58	254.88
(N-20)-S.D. EST	4.37	19.22	16.43	20.87	17.68	12.56	10.22	18.94
PCT DIFF/MEANS	0.	1.	1.	1.	1.	0.	0.	0.
PCT DIF/ST DVS	0.	1.	2.	2.	1.	-0.	-0.	-0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1568 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 81 THROUGH 88

	81	82	83	84	85	86	87	88
	STRAP LE NGTH	INTERSCY E	INTERSCY E, MAXIMUM	BACK CUR VATURE	WAIST 8A CK	ANTERIOR WAIST LTH	SLEEVE I NSEAM	SPINE-TO -SCYE LGTH
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	525.0	275.0	374.0	340.0	336.0	275.0	370.0	155.0
2ND SMALLEST	542.0	282.0	385.0	340.0	337.0	280.0	370.0	155.0
3RD SMALLEST	544.0	282.0	396.0	340.0	337.0	285.0	370.0	160.0
4TH SMALLEST	550.0	285.0	400.0	344.0	339.0	287.0	371.0	160.0
5TH SMALLEST	550.0	288.0	400.0	345.0	341.0	287.0	376.0	162.0
6TH SMALLEST	551.0	290.0	400.0	350.0	345.0	287.0	378.0	165.0
7TH SMALLEST	552.0	290.0	400.0	350.0	346.0	287.0	380.0	165.0
8TH SMALLEST	552.0	290.0	400.0	355.0	346.0	288.0	381.0	167.0
9TH SMALLEST	555.0	290.0	400.0	355.0	346.0	289.0	381.0	167.0
XTH SMALLEST	555.0	291.0	405.0	355.0	347.0	289.0	382.0	168.0

XTH LARGEST	768.0	420.0	581.0	520.0	462.0	395.0	505.0	245.0
9TH LARGEST	770.0	420.0	584.0	520.0	462.0	395.0	505.0	246.0
8TH LARGEST	775.0	421.0	587.0	520.0	464.0	398.0	510.0	246.0
7TH LARGEST	775.0	422.0	588.0	520.0	465.0	400.0	510.0	248.0
6TH LARGEST	775.0	422.0	590.0	520.0	465.0	400.0	514.0	248.0
5TH LARGEST	776.0	424.0	599.0	520.0	470.0	400.0	520.0	249.0
4TH LARGEST	780.0	425.0	595.0	522.0	470.0	405.0	524.0	250.0
3RD LARGEST	780.0	426.0	600.0	522.0	470.0	409.0	525.0	250.0
2ND LARGEST	782.0	436.0	600.0	528.0	480.0	411.0	528.0	250.0
1ST LARGEST	797.0	442.0	605.0	535.0	481.0	415.0	535.0	255.0
THE MEAN VALUE	652.21	350.57	493.90	421.45	405.11	335.78	441.27	203.66
STD. DEVIATION	39.24	24.41	32.87	30.53	22.16	19.57	24.15	13.57
COEFF/VARIATION	6.02	6.96	6.65	7.24	5.47	5.83	5.47	6.66
TOP**	0.14	0.17	0.14	0.09	0.17	0.19	0.24	0.13
80T**	0.14	0.12	0.18	0.09	0.10	0.13	0.10	0.17
WETA ONE	0.31	0.19	-0.05	0.44	0.10	0.11	0.16	0.16
WETA TWO	3.17	3.02	3.15	3.28	3.00	3.24	3.10	3.42
(N-20)-AVG EST	652.10	350.51	493.90	421.31	405.11	335.69	441.21	203.64
(N-20)-S.D.EST	39.15	24.41	32.73	30.51	22.17	19.46	24.09	13.42
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	0.	0.	-0.	1.	0.	1.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 89 THROUGH 96

	89		90		91		92		93		94		95		96	
	SPINE-TO		SPINE-TO		HAND LEN		HAND BRE		HAND CIR		FOOT LEN		FOOT BRE		HEAD LEN	
	-ELBOW LTH		-WRIST LTH		GTH		AOTH		CUMFERENCE		GTH		AOTH		GTH	
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	452.0	927	677.0	927	153.0	927	61.0	1475	150.0	280	210.0	1388	70.0	821	164.0	89
2ND SMALLEST	460.0	1741	695.0	864	153.0	753	62.0	791	157.0	930	210.0	820	72.0	32	165.0	1873
3RD SMALLEST	465.0	1849	700.0	1741	155.0	774	64.0	1282	157.0	316	-10.0	649	73.0	1443	165.0	1697
4TH SMALLEST	468.0	236	703.0	969	159.0	900	64.0	1244	158.0	927	210.0	540	74.0	1508	165.0	692
5TH SMALLEST	470.0	969	708.0	1768	159.0	111	64.0	531	160.0	560	212.0	1903	74.0	1013	165.0	308
6TH SMALLEST	470.0	864	718.0	1754	161.0	1922	65.0	544	160.0	202	212.0	790	75.0	1235	166.0	1456
7TH SMALLEST	470.0	496	718.0	1598	161.0	1556	65.0	311	161.0	1108	212.0	753	75.0	1203	166.0	382
8TH SMALLEST	471.0	952	720.0	1810	161.0	652	65.0	310	162.0	1817	212.0	457	75.0	965	167.0	1373
9TH SMALLEST	474.0	461	720.0	1681	162.0	1676	65.0	280	162.0	650	213.0	565	75.0	930	167.0	952
XTH SMALLEST	475.0	1681	720.0	448	162.0	163	65.0	207	162.0	96	214.0	1366	75.0	649	167.0	951

XTH LARGEST	600.0	1322	894.0	15	209.0	822	66.0	474	208.0	474	270.0	945	103.0	576	202.0	1322
9TH LARGEST	602.0	1343	895.0	462	209.0	839	86.0	599	208.0	705	270.0	947	104.0	534	202.0	1480
8TH LARGEST	607.0	687	898.0	9	210.0	1356	86.0	1180	208.0	1425	271.0	1899	105.0	124	204.0	56
7TH LARGEST	607.0	1395	899.0	90	210.0	1834	86.0	1186	210.0	419	273.0	59	105.0	233	204.0	1368
6TH LARGEST	608.0	983	900.0	725	210.0	1859	86.0	1367	210.0	710	273.0	441	105.0	355	204.0	1692
5TH LARGEST	616.0	725	900.0	1395	212.0	424	86.0	1596	210.0	783	274.0	590	105.0	739	205.0	9
4TH LARGEST	617.0	294	902.0	915	215.0	945	86.0	1692	210.0	1171	275.0	534	105.0	945	205.0	205
3RD LARGEST	617.0	915	905.0	954	215.0	1368	87.0	125	212.0	1186	275.0	854	105.0	1368	205.0	1000
2ND LARGEST	625.0	389	911.0	983	215.0	1692	87.0	1604	213.0	424	275.0	1844	109.0	928	205.0	1036
1ST LARGEST	625.0	954	912.0	389	220.0	1233	88.0	947	215.0	983	276.0	583	110.0	1300	207.0	383
THE MEAN VALUE	533.17		795.84		183.83		75.54		183.18		240.69		88.68		184.10	
STO. DEVIATION	24.06		33.19		9.59		3.89		9.07		11.28		4.98		6.79	
COFF/VARIATION	4.51		4.17		5.22		5.15		4.95		4.69		5.61		3.69	
TOP	0.20		0.10		0.23		0.10		0.15		0.11		0.25		0.14	
80T	0.18		0.25		0.19		0.19		0.26		0.07		0.18		0.09	
VETA ONE	0.18		0.19		0.25		-0.01		0.15		0.12		0.26		0.03	
VETA TWO	3.22		3.16		3.01		3.03		2.99		2.86		3.54		2.95	
(N-20)-AVG EST	533.10		795.74		183.81		75.54		183.16		240.67		88.67		184.09	
(N-20)-S.0.EST	23.94		33.12		9.61		3.89		9.08		11.33		4.92		6.80	
PCT DIFF/MEANS	0.		0.		0.		-0.		0.		0.		0.		0.	
PCT OIF/ST OVS	1.		0.		-0.		0.		-0.		-0.		1.		-0.	
SIZE OF SAMPLE	1905		1905		1905		1905		1905		1905		1905		1905	

09/09/76 ** AMRL OATA BANK LIBRARY - VOLUME I - 1568 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 97 THROUGH 104

	97	98	99	100	101	102	103	104
	HEAD BRE	HEAD CIR	TRAGICN-	ECTOCAN	PRONASAL	SUBNASAL	STOMION-	MENTON-T
	ADTH	CUMFERENCE	TOP HEAD	HUS-TOP HD	E-TOP HEAD	E-TOP HEAD	TOP HEAD	OP HEAD
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	127.0	502.0	105.0	90.0	110.0	127.0	143.0	184.0
2ND SMALLEST	129.0	504.0	106.0	92.0	112.0	130.0	145.0	185.0
3RD SMALLEST	129.0	510.0	107.0	92.0	114.0	130.0	145.0	186.0
4TH SMALLEST	129.0	510.0	107.0	93.0	118.0	131.0	146.0	187.0
5TH SMALLEST	130.0	510.0	107.0	95.0	120.0	131.0	148.0	189.0
6TH SMALLEST	130.0	510.0	109.0	95.0	120.0	131.0	148.0	189.0
7TH SMALLEST	130.0	510.0	109.0	97.0	121.0	131.0	149.0	190.0
8TH SMALLEST	130.0	510.0	109.0	97.0	121.0	132.0	149.0	190.0
9TH SMALLEST	130.0	510.0	110.0	97.0	121.0	132.0	149.0	190.0
XTH SMALLEST	130.0	510.0	110.0	98.0	121.0	132.0	150.0	190.0

XTH LARGEST	161.0	555.0	150.0	145.0	182.0	190.0	210.0	249.0
9TH LARGEST	161.0	595.0	151.0	145.0	182.0	191.0	210.0	250.0
8TH LARGEST	161.0	597.0	151.0	146.0	183.0	192.0	211.0	250.0
7TH LARGEST	162.0	597.0	151.0	147.0	184.0	192.0	211.0	251.0
6TH LARGEST	162.0	599.0	152.0	149.0	184.0	193.0	212.0	251.0
5TH LARGEST	162.0	600.0	152.0	149.0	186.0	194.0	212.0	253.0
4TH LARGEST	162.0	600.0	153.0	152.0	187.0	196.0	215.0	260.0
3RD LARGEST	163.0	610.0	155.0	155.0	187.0	202.0	220.0	265.0
2ND LARGEST	165.0	612.0	156.0	156.0	192.0	202.0	222.0	267.0
1ST LARGEST	171.0	617.0	161.0	157.0	193.0	205.0	231.0	268.0
THE MEAN VALUE	145.15	548.65	127.25	117.65	147.61	159.12	178.26	219.07
STD. DEVIATION	5.95	16.24	7.64	9.19	11.71	10.98	11.21	11.39
COFF/VARIATION	4.10	2.96	6.00	7.81	7.94	6.90	6.29	5.20
TOP	0.32	0.26	0.27	0.26	0.18	0.26	0.35	0.32
80T	0.10	0.09	0.13	0.17	0.18	0.09	0.12	0.10
VETA ONE	0.11	0.20	0.39	0.42	0.34	0.26	0.24	0.15
VETA TWO	3.15	3.16	3.28	3.43	3.32	3.28	3.42	3.30
(N-20)-AVG EST	145.14	548.58	127.22	117.60	147.56	159.08	178.23	219.04
(N-20)-S.D.-EST	5.95	16.21	7.61	9.13	11.69	10.93	11.14	11.33
PCT DIFF/MEANS	0.	0.	0.	1.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	1.	0.	0.	1.	1.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 105 THROUGH 112

	105	106	107	108	109	110	111	112	113	114	
	TRAGION TO WALL VALUE SBJCT	ECTOCANT HUS-WALL VALUE SBJCT	PRCNASAL E TO WALL VALUE SBJCT	SUBNASAL E TO WALL VALUE SBJCT	LIP PROT RUS N-WALL VALUE SBJCT	MENTON T C WALL VALUE SBJCT	SAGITTAL CURVATURE VALUE SBJCT	8ITRAGIO N-CORDNAL VALUE SBJCT			
1ST SMALLEST	76.0 720	135.0 1373	187.0 1456	170.0 1920	168.0 1920	150.0 54	300.0 1871	290.0 1246			
2ND SMALLEST	77.0 1327	137.0 720	167.0 927	170.0 1061	168.0 1873	152.0 1152	305.0 1820	300.0 1526			
3RD SMALLEST	78.0 1151	138.0 1477	187.0 791	170.0 791	168.0 1829	153.0 1873	305.0 1817	300.0 1513			
4TH SMALLEST	79.0 911	139.0 1327	188.0 1878	172.0 1873	168.0 1154	153.0 407	305.0 236	300.0 1172			
5TH SMALLEST	80.0 1885	139.0 1154	188.0 1873	173.0 54	168.0 927	154.0 1516	310.0 1813	300.0 798			
6TH SMALLEST	80.0 1684	139.0 1151	188.0 1829	174.0 1878	168.0 791	154.0 1466	310.0 1755	300.0 550			
7TH SMALLEST	80.0 1213	140.0 1866	188.0 1538	174.0 1430	169.0 1900	154.0 927	310.0 1725	301.0 1895			
8TH SMALLEST	81.0 1745	140.0 1213	165.0 1920	174.0 1430	169.0 1430	155.0 1900	310.0 1706	301.0 254			
9TH SMALLEST	81.0 650	141.0 708	190.0 1814	174.0 1154	169.0 1373	155.0 1430	310.0 1700	301.0 236			
XTH SMALLEST	81.0 528	142.0 1511	190.0 652	175.0 927	170.0 1616	155.0 163	310.0 1681	305.0 1347			
XTH LARGEST	133.0 310	194.0 983	243.0 162	230.0 853	227.0 270	220.0 310	390.0 180	375.0 330			
9TH LARGEST	133.0 499	195.0 1628	243.0 270	230.0 1316	230.0 480	220.0 831	390.0 380	380.0 107			
8TH LARGEST	134.0 162	196.0 162	243.0 279	231.0 480	230.0 932	222.0 384	392.0 1	380.0 130			
7TH LARGEST	134.0 1349	196.0 1491	244.0 1349	232.0 799	232.0 1349	222.0 799	393.0 9	380.0 131			
6TH LARGEST	135.0 480	197.0 853	245.0 853	232.0 1670	233.0 799	225.0 1349	395.0 413	380.0 140			
5TH LARGEST	135.0 853	200.0 1670	246.0 310	233.0 983	236.0 383	225.0 1491	398.0 31	380.0 684			
4TH LARGEST	136.0 1491	201.0 1349	247.0 480	234.0 1349	238.0 1670	225.0 1670	398.0 241	380.0 1339			
3RD LARGEST	139.0 1670	204.0 310	248.0 1670	234.0 1709	238.0 1709	227.0 1709	400.0 133	380.0 1445			
2ND LARGEST	140.0 799	205.0 799	250.0 363	235.0 1491	240.0 983	229.0 480	410.0 124	390.0 192			
1ST LARGEST	146.0 383	212.0 383	250.0 755	240.0 383	241.0 1491	229.0 983	415.0 13	392.0 13			
THE MEAN VALUE	101.72	163.66	211.89	156.62	193.01	182.33	347.86	339.22			
STO. DEVIATION	9.00	9.68	9.61	9.81	10.59	11.36	14.89	14.05			
COFF/VARIATION	8.85	5.92	4.53	4.99	5.48	6.23	4.28	4.14			
TOP	0.25	0.35	0.13	0.18	0.25	0.14	0.31	0.24			
BOTTOM	0.10	0.13	0.06	0.05	0.04	0.08	0.13	0.21			
VETA ONE	0.70	0.56	0.47	0.53	0.59	0.43	0.28	0.14			
VETA TWO	4.19	3.83	3.56	3.76	3.91	3.63	3.58	3.13			
(N=20)-AVG EST	101.66	163.60	211.83	156.56	192.92	182.26	347.81	339.21			
(N=20)-S.D. EST	8.88	9.56	9.55	9.72	10.46	11.24	14.78	14.02			
PCT OIFF/MEANS	1.	1.	1.	1.	1.	1.	0.	0.			
PCT DIF/ST DVS	1.	1.	1.	1.	1.	1.	1.	0.			
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905			

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 113 THROUGH 120

	113	114	115	116	117	118	119	120
	810CLAR BREADTH	81AURICU LAR BRDTH	81TRAGIO N BREADTH	81ZYGOMA TIC BRDTH	81GONIAL BREADTH	81NASAL BR EADTH	81LIP LENG TH	81MENTON-S UBNASALE L VALUE SBJCT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	80.0 704	133.0 649	114.0 254	109.0 538	81.0 803	23.0 1516	31.0 1700	40.0 1511
2ND SMALLEST	81.0 758	134.0 369	114.0 54	111.0 678	82.0 254	23.0 521	32.0 790	40.0 1225
3RD SMALLEST	82.0 376	135.0 1925	115.0 1867	111.0 337	84.0 259	24.0 1662	32.0 666	40.0 875
4TH SMALLEST	82.0 111	135.0 758	115.0 1196	111.0 270	85.0 853	24.0 1606	32.0 421	40.0 433
5TH SMALLEST	83.0 1420	136.0 1801	115.0 836	111.0 226	85.0 801	24.0 793	32.0 256	40.0 117
6TH SMALLEST	83.0 1018	136.0 1800	115.0 269	111.0 54	86.0 341	24.0 760	33.0 1127	41.0 1165
7TH SMALLEST	83.0 301	136.0 1741	116.0 1508	111.0 2	86.0 281	24.0 737	33.0 730	41.0 753
8TH SMALLEST	83.0 204	137.0 798	116.0 943	112.0 268	87.0 387	25.0 570	33.0 679	42.0 1439
9TH SMALLEST	84.0 749	137.0 601	116.0 666	112.0 254	87.0 361	25.0 948	33.0 612	42.0 1366
XTH SMALLEST	84.0 538	138.0 1221	116.0 551	112.0 103	87.0 103	25.0 798	33.0 513	42.0 748

XTH LARGEST	110.0 712	184.0 719	143.0 441	144.0 783	115.0 927	43.0 983	55.0 1231	65.0 408
9TH LARGEST	110.0 739	185.0 192	143.0 523	144.0 583	116.0 140	43.0 1240	55.0 1233	69.0 481
8TH LARGEST	110.0 999	185.0 197	143.0 1144	144.0 1034	116.0 1083	44.0 348	55.0 1375	69.0 872
7TH LARGEST	110.0 1003	185.0 217	144.0 838	144.0 1479	117.0 926	44.0 1274	55.0 1382	70.0 257
6TH LARGEST	110.0 1034	185.0 709	144.0 1074	145.0 599	117.0 1479	44.0 1512	56.0 482	70.0 616
5TH LARGEST	110.0 1287	186.0 813	145.0 778	145.0 1427	118.0 1187	44.0 1639	56.0 1699	70.0 735
4TH LARGEST	110.0 1329	186.0 1191	145.0 832	146.0 778	118.0 1639	45.0 534	57.0 67	70.0 1645
3RD LARGEST	111.0 766	187.0 589	146.0 739	146.0 1144	119.0 1425	45.0 1233	58.0 883	71.0 460
2ND LARGEST	111.0 1092	189.0 447	148.0 1284	148.0 1284	120.0 983	46.0 761	58.0 1204	74.0 932
1ST LARGEST	112.0 1111	201.0 13	152.0 13	149.0 1703	122.0 1284	46.0 1356	58.0 1575	75.0 945
THE MEAN VALUE	56.73	158.34	128.89	128.99	101.86	31.94	43.78	55.41
STD. DEVIATION	4.92	9.50	5.00	5.78	5.62	3.30	4.21	5.10
COEFF. VARIATION	5.09	6.00	3.88	4.48	5.52	10.33	9.62	9.21
••TOP••	0.08	0.37	0.33	0.16	0.25	0.17	0.14	0.22
••BOT••	0.15	0.11	0.07	0.09	0.21	0.11	0.09	0.07
VETA ONE	-0.01	0.10	0.21	-0.17	0.04	0.60	0.20	0.05
VETA TWO	3.00	2.82	3.29	3.28	3.13	4.01	3.04	3.24
(N-20)-AVG EST	96.73	158.30	128.88	129.00	101.87	31.92	43.78	55.41
(N-20)-S.D. EST	4.93	9.54	4.97	5.76	5.61	3.27	4.22	5.09
PCT DIFF/MEANS	-0.	0.	0.	-0.	-0.	1.	0.	0.
PCT DIF/ST DVS	-0.	-0.	1.	0.	0.	1.	-0.	0.
SIZE OF SAMPLE	1905	1905	1905	1905	1905	1905	1905	1905

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 121 THROUGH 128

	121	122	123	124	125	126	127	128
	MENTON-S ELLION LTH	SUBNASAL E-SELLION	EAR LENG TH	EAR BREA DTH	GRIP STR ENGT	WAIST HE IGHT, UFG	A8DOM EX T HGT, DFG	WAIST CI RCUM, OFG
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	87.0 32	32.0 481	35.0 410	20.0 1737	10.0 703	869.0 1789	786.0 1789	555.0 345
2ND SMALLEST	88.0 1829	32.0 330	36.0 844	20.0 1446	11.0 142	886.0 470	802.0 1617	555.0 115
3RD SMALLEST	88.0 1820	33.0 17	38.0 844	20.0 1319	12.0 1197	889.0 1617	803.0 39	558.0 976
4TH SMALLEST	90.0 1895	34.0 1860	38.0 749	20.0 844	12.0 130	889.0 39	804.0 470	560.0 1757
5TH SMALLEST	90.0 1706	34.0 704	38.0 321	20.0 771	13.0 1146	890.0 864	805.0 864	563.0 1797
6TH SMALLEST	90.0 1556	34.0 537	40.0 798	20.0 719	13.0 352	892.0 1768	822.0 1668	564.0 1203
7TH SMALLEST	90.0 1456	34.0 515	40.0 762	20.0 531	15.0 1855	892.0 649	822.0 649	567.0 1906
8TH SMALLEST	90.0 833	34.0 205	40.0 531	21.0 546	15.0 1540	897.0 1650	823.0 1724	567.0 836
9TH SMALLEST	90.0 515	34.0 61	40.0 240	21.0 530	16.0 465	899.0 1155	825.0 1776	567.0 436
XTH SMALLEST	90.0 506	34.0 30	41.0 735	21.0 884	17.0 1480	901.0 1411	825.0 934	568.0 1355

XTH LARGEST	123.0 388	57.0 953	64.0 1060	38.0 776	46.0 370	1120.0 1624	1038.0 761	845.0 838
9TH LARGEST	123.0 610	57.0 962	64.0 1185	38.0 596	46.0 945	1125.0 102	1040.0 659	846.0 687
8TH LARGEST	123.0 616	58.0 637	64.0 1259	38.0 1032	47.0 992	1132.0 554	1043.0 983	852.0 18
7TH LARGEST	123.0 1840	58.0 1047	65.0 794	39.0 380	47.0 1349	1136.0 1057	1044.0 1624	852.0 1279
6TH LARGEST	124.0 823	58.0 1179	65.0 841	39.0 670	48.0 868	1139.0 854	1049.0 1758	854.0 644
5TH LARGEST	124.0 866	59.0 224	65.0 1636	39.0 1476	48.0 1522	1140.0 923	1051.0 424	854.0 983
4TH LARGEST	124.0 1231	59.0 616	67.0 16	39.0 1507	49.0 1215	1140.0 983	1063.0 1057	867.0 680
3RD LARGEST	126.0 945	59.0 1853	67.0 709	40.0 1195	50.0 788	1144.0 1758	1069.0 854	868.0 868
2ND LARGEST	127.0 476	60.0 1007	67.0 1425	41.0 1422	50.0 954	1151.0 735	1070.0 954	872.0 600
1ST LARGEST	128.0 1009	61.0 701	65.0 119	42.0 1676	53.0 983	1153.0 424	1079.0 735	890.0 475
THE MEAN VALUE								
	106.29	45.47	52.37	29.81	29.89	1007.97	928.39	662.32
STD. DEVIATION								
	6.12	4.10	4.44	3.33	5.70	44.04	43.14	52.78
COFF/VARIATION								
	5.76	5.02	8.48	11.17	19.08	4.37	4.65	7.97
TOP								
	0.15	0.17	0.22	0.24	0.24	0.15	0.19	0.16
80T								
	0.09	0.09	0.26	0.06	0.24	0.15	0.18	0.05
VETA ONE								
	0.08	0.14	-0.07	-0.15	0.25	0.11	0.09	0.91
VETA TWO								
	3.09	3.36	3.36	3.18	3.31	2.96	3.01	4.11
(N-201)-AVG EST								
	106.28	45.46	52.37	29.81	29.88	1007.88	928.33	661.67
(N-201)-S.D. EST								
	6.12	4.08	4.41	3.33	5.66	44.03	43.10	52.42
PCT DIFF/MEANS								
	0.	0.	-0.	-0.	0.	0.	0.	1.
PCT DIF/ST DVS								
	-0.	1.	1.	-0.	1.	0.	0.	1.
SIZE OF SAMPLE								
	1905	1905	1905	1905	1905	1513	1513	1513

51

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 129 THROUGH 136

	129	130	131	132	133	134	135	136
	ABDOM EX T CIRC, OFG VALUE SBJCT	HIP C-7 8LM W, OFG VALUE SBJCT	HIP C-9 8LM W, OFG VALUE SBJCT	WAIST BR EADTH, CFG VALUE SBJCT	HIP 8REA DTH, OFG VALUE SBJCT	WAIST OE PTH, OFG VALUE SBJCT	ABDOM EX T DPTH, OFG VALUE SBJCT	BUTTOCK DEPTH, OFG VALUE SBJCT
1ST SMALLEST	700.0 1498	775.0 1906	779.0 1906	173.0 1203	276.0 1906	116.0 976	141.0 904	165.0 1903
2ND SMALLEST	703.0 1906	785.0 111	785.0 1234	174.0 1757	276.0 111	118.0 1047	142.0 824	172.0 1768
3RD SMALLEST	710.0 824	804.0 1762	786.0 111	174.0 866	278.0 1869	120.0 904	146.0 976	172.0 1314
4TH SMALLEST	711.0 1757	805.0 148	802.0 1314	175.0 581	281.0 1762	122.0 1454	147.0 1887	173.0 1586
5TH SMALLEST	712.0 91	806.0 1314	804.0 1762	177.0 1062	283.0 1887	123.0 1823	147.0 409	174.0 1477
6TH SMALLEST	720.0 62	810.0 1887	805.0 1687	177.0 917	264.0 1314	123.0 824	149.0 365	175.0 1912
7TH SMALLEST	721.0 1634	812.0 1234	810.0 1869	178.0 1442	286.0 1485	124.0 1485	150.0 1477	175.0 1234
8TH SMALLEST	721.0 1204	814.0 1456	812.0 56	178.0 532	286.0 1432	124.0 1303	150.0 1047	176.0 1870
9TH SMALLEST	722.0 1887	815.0 96	812.0 163	178.0 741	287.0 933	124.0 345	151.0 1757	176.0 374
XTH SMALLEST	722.0 933	817.0 163	820.0 1903	178.0 703	287.0 345	125.0 1456	152.0 1578	177.0 1356

XTH LARGEST	1132.0 1569	1138.0 868	1143.0 675	273.0 35	398.0 35	223.0 37	286.0 35	284.0 1279
9TH LARGEST	1136.0 1223	1143.0 651	1143.0 687	274.0 600	402.0 651	224.0 147	286.0 644	287.0 644
8TH LARGEST	1142.0 868	1145.0 600	1146.0 651	274.0 644	403.0 705	225.0 138	287.0 1223	287.0 1223
7TH LARGEST	1147.0 651	1158.0 1223	1146.0 1279	277.0 868	407.0 18	225.0 709	291.0 709	288.0 1422
6TH LARGEST	1151.0 600	1160.0 69	1157.0 705	279.0 8	409.0 69	226.0 687	293.0 600	289.0 18
5TH LARGEST	1156.0 1422	1161.0 1279	1162.0 1422	283.0 838	414.0 1223	230.0 644	294.0 18	293.0 705
4TH LARGEST	1158.0 1279	1166.0 1422	1171.0 69	290.0 1206	422.0 1422	238.0 1279	297.0 69	294.0 69
3RD LARGEST	1168.0 69	1177.0 709	1172.0 1223	293.0 1279	423.0 120	243.0 475	297.0 705	296.0 1206
2ND LARGEST	1173.0 1206	1180.0 705	1195.0 1206	294.0 18	426.0 1206	246.0 18	301.0 475	304.0 709
1ST LARGEST	1182.0 705	1188.0 1206	1202.0 709	308.0 475	427.0 709	247.0 680	302.0 680	304.0 868
THE MEAN VALUE	874.75	937.14	952.96	213.93	336.72	156.49	197.95	215.89
STD. DEVIATION	72.64	56.46	58.30	19.16	21.44	18.45	24.59	19.74
CDFV/VARIATION	8.30	6.02	6.12	8.95	6.37	11.79	12.42	9.14
TOP**	0.12	0.16	0.18	0.37	0.26	0.24	0.12	0.19
80T**	0.05	0.13	0.13	0.05	0.10	0.09	0.08	0.11
WETA DNE	0.72	0.71	0.43	0.73	0.42	1.18	0.96	0.82
WETA TWO	4.11	4.42	3.88	3.85	3.63	5.35	4.49	4.46
(N-20)-AVG EST	873.95	936.53	952.56	213.71	336.57	156.21	197.65	215.66
(N-20)-S.D. EST	71.57	55.26	57.40	19.02	21.15	18.11	24.27	19.45
PCT OIFF/MEANS	1.	1.	1.	1.	1.	2.	1.	1.
PCT OIF/ST DVS	1.	2.	2.	1.	1.	2.	1.	2.
SIZE OF SAMPLE	1513	1513	1513	1513	1513	1513	1513	1513

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 137 THROUGH 144

	137	138	139	140	141	142	143	144
	BUTTOCK C, SIT, OFG	THI-THI BR, SIT, OFG	STATURE REPORTED	WEIGHT R EPORTED	FOUNDATI ON GARMENT	AFSC	RACE	MARITAL STATUS
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	840.0 111	292.0 933	58.0 470	82.0 1922	1.0 167	1C70.0 1105	1.0 261	1.0 1
2ND SMALLEST	852.0 148	306.0 1906	55.0 537	89.0 111	1.0 160	1C70.0 827	1.0 259	1.0 3
3RD SMALLEST	854.0 933	307.0 148	59.0 774	90.0 1906	1.0 148	1090.0 680	1.0 199	1.0 6
4TH SMALLEST	860.0 1903	310.0 911	59.0 448	90.0 577	1.0 139	2675.0 807	1.0 180	1.0 8
5TH SMALLEST	860.0 1789	312.0 1314	59.0 39	90.0 470	1.0 131	4141.0 1710	1.0 141	1.0 11
6TH SMALLEST	864.0 163	314.0 1762	59.0 25	91.0 359	1.0 121	5794.0 1179	1.0 124	1.0 13
7TH SMALLEST	865.0 1887	314.0 1459	60.0 264	93.0 1887	1.0 103	6421.0 1146	1.0 95	1.0 15
8TH SMALLEST	865.0 1762	314.0 490	60.0 164	93.0 323	1.0 88	6655.0 152	1.0 87	1.0 16
9TH SMALLEST	865.0 1314	314.0 111	60.0 167	94.0 1617	1.0 81	6916.0 147	1.0 63	1.0 17
XTH SMALLEST	865.0 126	315.0 1886	60.0 163	94.0 1789	1.0 63	7021.0 779	1.0 60	1.0 18

XTH LARGEST	1203.0 651	453.0 1703	71.0 15	180.0 705	9.0 13	99128.0 815	3.0 79	3.0 134
9TH LARGEST	1207.0 1279	455.0 914	71.0 399	180.0 843	9.0 83	99128.0 821	3.0 320	3.0 138
8TH LARGEST	1213.0 18	456.0 680	71.0 854	185.0 838	9.0 84	99128.0 822	3.0 691	3.0 387
7TH LARGEST	1225.0 705	460.0 651	71.0 991	185.0 1223	9.0 86	99128.0 828	3.0 927	3.0 389
6TH LARGEST	1232.0 1223	461.0 18	72.0 735	185.0 1279	9.0 97	99128.0 829	3.0 988	3.0 415
5TH LARGEST	1233.0 868	461.0 69	72.0 923	150.0 680	9.0 112	99128.0 836	3.0 999	3.0 457
4TH LARGEST	1254.0 1422	470.0 1422	72.0 947	190.0 709	9.0 122	99128.0 837	3.0 1058	3.0 461
3RD LARGEST	1269.0 69	472.0 1206	72.0 983	193.0 1206	9.0 129	99128.0 842	3.0 1075	3.0 495
2ND LARGEST	1274.0 709	472.0 1223	73.0 659	195.0 18	9.0 286	99128.0 848	3.0 1083	4.0 37
1ST LARGEST	1288.0 1206	483.0 709	74.0 954	195.0 583	9.0 385	99128.0 850	3.0 1144	4.0 1010
THE MEAN VALUE	996.19	372.45	64.72	125.40	3.72	56887.48	1.93	1.15
STD. DEVIATION	61.00	26.46	2.43	15.83	2.26	35688.51	0.28	0.43
COFF/VARIATION	6.12	7.10	3.75	12.62	60.75	62.74	14.73	37.09
'*TOP**	0.25	0.22	0.27	0.17	0.0	0.0	0.0	0.50
'*BOT**	0.07	0.17	0.18	0.14	0.0	0.06	0.0	0.0
VETA ONE	0.73	0.43	0.16	0.66	0.41	-0.39	-2.21	2.98
VETA TWO	4.41	3.54	2.69	4.00	2.06	1.40	10.60	11.92
(N-20)-AVG EST	995.48	372.26	64.71	125.26	3.71	56958.95	1.93	1.14
(N-20)-S.D.EST	59.77	26.26	2.45	15.65	2.32	37306.85	0.28	0.42
PCT DIFF/MEANS	1.	1.	0.	1.	1.	-0.	0.	2.
PCT DIF/ST DVS	2.	1.	-1.	1.	-3.	-4.	2.	2.
SIZE OF SAMPLE	1513	1513	1903	1903	1905	1467	1905	1905

** AMRL DATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

09/09/76

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

STATISTICS FOR VARIABLES 145 THROUGH 152

	145	146	147	148	149	150	151	152
	RANK (NU MERICAL)	COMMANO	LOCATICN	BLOOQ TY PE	RH FACTO R	HANDEDNE SS	8IRTHPLA CE, SUBJECT	8IRTHPLA CE, FATHER
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	11.0 1135	1.0 809	1.0 656	1.0 32	1.0 58	1.0 1	9.0 228	9.0 462
2ND SMALLEST	11.0 1134	1.0 807	1.0 655	1.0 31	1.0 51	1.0 2	9.0 1	9.0 393
3RD SMALLEST	11.0 1117	1.0 805	1.0 654	1.0 29	1.0 34	1.0 3	11.0 1358	9.0 348
4TH SMALLEST	11.0 907	1.0 803	1.0 653	1.0 25	1.0 30	1.0 4	11.0 1242	9.0 346
5TH SMALLEST	11.0 904	1.0 802	1.0 652	1.0 4	1.0 26	1.0 5	11.0 1015	9.0 267
6TH SMALLEST	11.0 900	1.0 800	1.0 651	1.0 5	1.0 21	1.0 6	11.0 989	9.0 180
7TH SMALLEST	11.0 897	1.0 799	1.0 648	1.0 7	1.0 4	1.0 7	11.0 753	9.0 85
8TH SMALLEST	11.0 890	1.0 797	1.0 647	1.0 10	1.0 5	1.0 8	11.0 590	9.0 70
9TH SMALLEST	11.0 888	1.0 523	1.0 646	1.0 18	1.0 14	1.0 9	11.0 390	9.0 38
XTH SMALLEST	11.0 549	1.0 8	1.0 644	1.0 19	1.0 16	1.0 10	11.0 262	9.0 1

XTH LARGEST	35.0 16	4.0 648	5.0 12	4.0 1	2.0 9	3.0 56	158.0 349	160.0 1144
9TH LARGEST	35.0 132	4.0 651	5.0 13	4.0 3	2.0 10	3.0 63	160.0 834	162.0 691
8TH LARGEST	35.0 141	4.0 652	5.0 14	4.0 8	2.0 11	3.0 94	162.0 792	162.0 988
7TH LARGEST	35.0 183	4.0 653	5.0 15	4.0 9	2.0 12	3.0 97	162.0 691	162.0 988
6TH LARGEST	35.0 417	4.0 654	5.0 16	4.0 13	2.0 13	3.0 139	162.0 1424	162.0 1155
5TH LARGEST	35.0 435	4.0 655	5.0 17	4.0 14	2.0 15	3.0 151	162.0 1456	162.0 1424
4TH LARGEST	35.0 455	4.0 656	5.0 18	4.0 16	2.0 17	3.0 221	162.0 1891	162.0 1456
3RD LARGEST	35.0 465	5.0 1146	5.0 19	4.0 17	2.0 18	3.0 254	164.0 927	162.0 1538
2ND LARGEST	35.0 644	5.0 1593	5.0 20	4.0 20	2.0 19	3.0 258	180.0 561	164.0 927
1ST LARGEST	36.0 1172	6.0 1002	6.0 1002	4.0 23	2.0 20	3.0 264	180.0 1831	180.0 1015
THE MEAN VALUE	17.69	2.61	2.65	2.51	1.85	1.14	49.88	50.54
STD. DEVIATION	8.67	0.92	1.07	1.38	0.36	0.41	28.03	31.34
COFF./VARIATION	49.00	35.39	40.23	55.00	19.18	36.10	56.19	62.02
TOP	0.04	0.67	0.25	0.0	0.0	0.0	0.15	0.13
80T	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
VETA ONE	1.06	-0.84	0.46	0.02	-1.98	3.10	1.06	1.32
VETA TWO	2.29	2.64	1.86	1.15	4.93	12.22	4.51	5.01
(N-20)-AVG EST	17.63	2.61	2.65	2.51	1.86	1.13	49.47	50.16
(N-20)-S.D.EST	8.96	0.95	1.09	1.44	0.37	0.41	27.84	31.51
PCT DIFF/MEANS	1.	0.	0.	-0.	-1.	2.	1.	1.
PCT DIF/ST OVS	-3.	-3.	-2.	-4.	-3.	1.	1.	-1.
SIZE OF SAMPLE	1905	1905	1905	1806	1796	1890	1905	1905

09/09/76 ** AMRL OATA BANK LIBRARY - VOLUME I - 1968 SURVEY OF AIR FORCE WOMEN **

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OEV	V-I	V-II	V	DELTA		A		MINIMUM		MAX		AVG	INTV1	INTV2	CF1	CF2	
								0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9						1.0
1	AGE	234.28	64.52	2.09	7.20	27.51	2.0	1.2	1.965	1.85.0	1.77.5	565.0	234.0	15.00	10.00	0.10000	1.00000				
2	WEIGHT	127.28	16.59	0.64	3.85	13.01	0.9	0.8	1.905	85.0	83.5	200.0	127.0	5.00	3.00	0.45359	2.20462				
3	TRICEPS SKINFOLO	190.32	54.42	0.51	3.82	28.61	0.8	1.0	1.905	58.0	57.5	468.0	129.0	15.00	10.00	0.01000	0.39370				
4	SUBSCAPULAR SKINFO	128.59	48.48	1.35	3.50	37.71	1.5	1.3	1.905	50.0	47.5	372.0	129.0	15.00	10.00	0.01000	0.39370				
5	SUPRAILLIAC SKINFO	197.23	70.12	0.47	3.20	35.61	0.9	0.2	1.905	48.0	47.5	500.0	157.0	20.00	10.00	0.01000	0.39370				
6	MEIOL CALF SKINFO	159.47	51.66	0.18	3.60	32.41	0.4	0.6	1.905	16.0	7.5	372.0	159.0	15.00	10.00	0.01000	0.39370				
7	STATURE	1621.03	60.04	0.16	2.77	3.71	0.2	0.5	1.905	1446.0	1437.5	51830.0	1621.0	15.00	10.00	0.10000	0.39370				
8	STATURE, MAXIMUM	1627.48	60.23	0.16	2.80	3.71	0.2	0.5	1.905	1452.0	1447.5	51840.0	1627.0	15.00	10.00	0.10000	0.39370				
9	CERVICAL HEIGHT	1391.96	55.19	0.14	2.78	4.01	0.2	0.4	1.965	1212.0	1207.5	51568.0	1392.0	15.00	10.00	0.10000	0.39370				
10	ACROMIAL HEIGHT	1318.60	54.79	0.14	2.78	4.21	0.2	0.6	1.905	1162.0	1157.5	51520.0	1319.0	15.00	10.00	0.10000	0.39370				
11	SUPRASTERNALE HGT	1320.01	53.02	0.15	2.80	4.01	0.2	0.5	1.905	1174.0	1167.5	51506.0	1320.0	15.00	10.00	0.10000	0.39370				
12	BUST POINT HEIGHT	1183.19	52.14	0.20	3.01	4.41	0.3	0.1	1.905	1007.0	997.5	51363.0	1183.0	15.00	10.00	0.10000	0.39370				
13	WAIST HEIGHT	1002.79	44.99	0.15	2.86	4.51	0.2	0.2	1.965	873.0	867.5	51155.0	1003.0	10.00	10.00	0.10000	0.39370				
14	ABDOMINAL EXT HGT	931.52	44.23	0.15	2.89	4.71	0.1	0.3	1.905	790.0	787.5	51080.0	932.0	10.00	10.00	0.10000	0.39370				
15	TROCHANTERIC HGT	826.72	42.68	0.12	2.86	5.21	0.2	0.3	1.905	701.0	697.5	965.0	827.0	10.00	10.00	0.10000	0.39370				
16	BUTTOCK HEIGHT	822.13	41.63	0.09	3.03	5.11	0.1	0.3	1.965	655.0	647.5	966.0	822.0	15.00	10.00	0.10000	0.39370				
17	GLUTEAL FURROW HGT	727.01	39.61	0.15	3.01	5.41	0.1	0.5	1.965	597.0	587.5	864.0	727.0	10.00	10.00	0.10000	0.39370				
18	TIBIALE HEIGHT	419.82	23.76	0.22	3.01	5.71	0.2	0.2	1.905	342.0	337.5	496.0	420.0	10.00	5.00	0.10000	0.35370				
19	CROTCH HEIGHT	745.04	40.29	0.17	3.00	5.41	0.2	0.0	1.905	607.0	597.5	875.0	745.0	10.00	10.00	0.10000	0.35370				
20	ANKLE HEIGHT	111.87	13.54	0.43	2.96	12.11	0.5	0.2	1.905	76.0	75.5	160.0	112.0	3.00	2.00	0.10000	0.39370				
21	LAT L MALLEOLUS HT	67.74	5.87	0.04	3.23	8.71	0.0	0.4	1.905	49.0	48.5	87.0	68.0	2.00	1.00	0.10000	0.39370				
22	SITTING HT, RELAXED	842.78	32.52	0.05	2.87	3.91	0.1	0.3	1.965	736.0	732.5	960.0	843.0	10.00	5.00	0.10000	0.39370				
23	SITTING HEIGHT	856.00	31.69	0.08	2.85	3.71	0.1	0.3	1.965	754.0	752.5	964.0	856.0	10.00	5.00	0.10000	0.39370				
24	EYE HEIGHT, SITTING	737.04	30.58	0.09	2.92	4.11	0.1	0.3	1.965	640.0	637.5	831.0	737.0	10.00	5.00	0.10000	0.39370				
25	MIDSHOULDER HT, SIT	579.98	26.58	0.17	2.94	4.61	0.2	0.5	1.965	510.0	507.5	672.0	580.0	10.00	5.00	0.10000	0.39370				
26	WAIST HGT, SITTING	233.68	17.34	0.01	2.98	7.41	0.4	0.0	0.1	1.965	179.0	176.5	292.0	234.0	5.00	3.00	0.10000	0.39370			
27	ELBOW REST HEIGHT	227.06	24.62	0.08	2.82	10.81	0.0	0.0	0.7	1.905	151.0	149.5	295.0	227.0	5.00	3.00	0.10000	0.39370			
28	POPITEAL HEIGHT	410.47	18.61	0.03	3.70	4.51	0.1	0.9	1.905	336.0	335.5	471.0	410.0	5.00	3.00	0.10000	0.39370				
29	BUTTOCK-POPIT L	477.11	27.59	0.32	3.07	5.81	0.3	0.1	1.905	391.0	387.5	585.0	477.0	5.00	5.00	0.10000	0.39370				
30	BUTTOCK-KNEE LNTH	574.28	26.34	0.12	2.83	4.61	0.0	0.4	1.965	486.0	482.5	664.0	574.0	10.00	5.00	0.10000	0.35370				
31	ACROMION-RADIALE L	310.06	16.26	0.02	3.02	5.21	0.0	0.4	1.905	253.0	251.5	365.0	310.0	5.00	3.00	0.10000	0.39370				
32	RADIALE-STYLION L	233.87	13.68	0.14	3.03	5.81	0.1	0.3	1.905	192.0	191.5	280.0	234.0	3.00	2.00	0.10000	0.39370				
33	THUMB-TIP REACH	741.31	38.76	0.04	3.00	5.21	0.1	0.1	1.905	624.0	622.5	872.0	741.0	10.00	10.00	0.10000	0.39370				
34	THUMB-TIP, EXTENDEO	838.33	48.78	0.20	2.85	5.81	0.2	0.8	1.905	715.0	707.5	1000.0	838.0	10.00	10.00	0.10000	0.39370				
35	OVERHEAD REACH	1992.26	85.58	0.07	2.67	4.31	0.2	0.5	1.965	1745.0	1737.5	52276.0	1992.0	20.00	15.00	0.10000	0.39370				
36	NECK CIRCUMFERENCE	337.49	16.77	0.30	3.11	5.01	0.4	0.2	1.965	285.0	284.5	399.0	337.0	5.00	3.00	0.10000	0.39370				
37	SHOULDER CIRCUMFER	1004.13	51.38	0.50	3.40	5.91	0.6	0.3	1.905	863.0	857.5	1221.0	1004.0	15.00	10.00	0.10000	0.35370				
38	CHEST CIRC AT SCYE	842.49	49.64	0.61	3.66	5.91	0.7	0.3	1.905	715.0	707.5	1035.0	842.0	15.00	10.00	0.10000	0.39370				
39	BUST CIRCUMFERENCE	897.26	57.02	0.74	3.87	6.41	0.8	0.6	1.965	750.0	747.5	1139.0	897.0	15.00	10.00	0.10000	0.35370				
40	CHEST C BELOW BUST	743.26	48.67	0.68	3.87	6.51	0.8	0.8	1.905	610.0	607.5	970.0	743.0	15.00	10.00	0.10000	0.39370				
41	WAIST CIRCUMFERENCE	672.03	54.77	0.88	4.36	8.11	1.1	1.1	1.965	531.0	527.5	951.0	672.0	15.00	10.00	0.10000	0.39370				
42	ABDOMINAL EXT CIRC	856.45	72.80	0.65	3.93	8.51	0.8	0.9	1.905	652.0	642.5	1190.0	856.0	20.00	15.00	0.10000	0.39370				
43	HIP C-7 8LM WAIST	936.36	55.87	0.57	3.93	6.01	0.7	1.0	1.965	779.0	777.5	1170.0	936.0	15.00	10.00	0.10000	0.39370				
44	HIP C-9 8LM WAIST	952.72	60.17	0.37	3.63	6.31	0.5	0.9	1.905	772.0	767.5	1201.0	953.0	15.00	10.00	0.10000	0.39370				
45	UPPER THIGH CIRCUM	554.75	42.19	0.32	3.42	7.61	0.5	0.6	1.965	435.0	427.5	720.0	555.0	10.00	10.00	0.10000	0.39370				
46	KNEE CIRCUMFERENCE	363.01	22.65	0.45	3.44	6.21	0.7	0.6	1.965	306.0	302.5	457.0	363.0	10.00	5.00	0.10000	0.39370				
47	CALF CIRCUM, RIGHT	341.44	22.47	0.25	3.28	6.61	0.4	0.7	1.905	268.0	267.5	445.0	341.0	10.00	5.00	0.10000	0.39370				
48	CALF CIRCUM, LEFT	342.32	22.81	0.18	3.21	6.71	0.3	0.3	1.965	270.0	267.5	440.0	342.0	10.00	5.00	0.10000	0.39370				
49	ANKLE CIRCUMFERENCE	210.85	12.89	0.26	2.95	6.11	0.3	0.4	1.965	175.0	173.5	256.0	211.0	3.00	2.00	0.10000	0.39370				
50	VERTICAL TRUNK CIR	1544.26	68.69	0.26	2.95	4.41	0.3	0.5	1.965	1345.0	1337.5	51782.0	1544.0	15.00	10.00	0.10000	0.39370				

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO DEV	V-I	V-II	V	DELM	OELS	A	---THE RANGE CARO VALUES---			INTV1	INTV2	CFI	CF2
										MIN	MAX	AVG				
51	VERTICAL TRK C, SIT	1500.66	65.56	0.17	2.87	4.41	0.3	-0.4	19C5	1330.0	1327.5	51705.0	1500.0	10.00	0.10000	0.39370
52	BUTTOCK CIRC, SIT	999.97	60.89	0.62	3.98	6.11	0.8	0.9	19C5	855.0	847.5	51284.0	1500.0	10.00	0.10000	0.39370
53	SCYE CIRCUMFERENCE	370.98	22.88	0.42	3.64	6.21	0.6	0.8	19C5	285.0	282.5	490.0	10.00	5.00	0.10000	0.39370
54	AXILLARY ARM CIRC	274.38	23.40	0.47	3.65	6.51	0.7	1.1	19C5	205.0	202.5	391.0	10.00	5.00	0.10000	0.39370
55	8ICEPS C-RELAXED, R	256.11	22.93	0.62	4.03	9.01	0.9	1.5	19C5	195.0	192.5	374.0	10.00	5.00	0.10000	0.39370
56	8ICEPS C-FLEXED, R	267.94	23.15	0.62	4.13	8.61	0.9	1.7	19C5	206.0	202.5	390.0	10.00	5.00	0.10000	0.39370
57	8ICEPS C-RELAXED, L	256.62	24.08	0.65	4.11	9.41	0.9	1.3	19C5	195.0	192.5	378.0	10.00	5.00	0.10000	0.39370
58	8ICEPS C-FLEXED, L	265.38	23.82	0.66	4.23	9.01	0.9	1.6	19C5	205.0	202.5	392.0	10.00	5.00	0.10000	0.39370
59	ELBOW CIRC, FLEXED	269.76	17.83	0.26	3.31	6.61	0.3	0.4	19C5	215.0	212.5	358.0	5.00	3.00	0.10000	0.39370
60	FOREARM C, RELAXED	234.76	13.78	0.38	3.63	5.91	0.7	1.3	19C5	197.0	194.5	300.0	5.00	3.00	0.10000	0.39370
61	FOREARM C, FLEXED	249.75	15.20	0.34	3.59	6.11	0.6	1.2	19C5	205.0	203.5	328.0	5.00	3.00	0.10000	0.39370
62	WRIST CIRCUMFERENCE	149.63	7.12	0.26	3.14	4.81	0.4	0.1	19C5	125.0	123.5	176.0	2.00	2.00	0.10000	0.39370
63	BIACROMIAL BREAOTH	358.43	16.39	0.09	3.19	4.61	0.1	0.3	19C5	308.0	305.5	416.0	5.00	3.00	0.10000	0.39370
64	8IOELTIO BREAOTH	418.74	23.13	0.26	3.23	5.51	0.3	0.1	19C5	352.0	347.5	501.0	10.00	5.00	0.10000	0.39370
65	CHEST BREAOTH	279.95	19.14	0.47	3.39	6.81	0.5	0.3	19C5	223.0	221.5	359.0	5.00	3.00	0.10000	0.39370
66	BUST PT-BUST PT 8R	185.32	15.47	0.21	3.41	8.41	0.2	0.9	19C5	131.0	128.5	246.0	5.00	3.00	0.10000	0.39370
67	WAIST BREAOTH	241.28	19.36	0.53	3.54	8.01	0.7	0.4	19C5	190.0	188.5	277.0	5.00	3.00	0.10000	0.39370
68	HIP BREAOTH	349.68	22.16	0.39	3.43	6.31	0.5	0.5	19C5	286.0	282.5	441.0	10.00	5.00	0.10000	0.39370
69	THIGH-THIGH 8R,SIT	381.90	28.60	0.42	3.36	7.51	0.5	0.4	19C5	291.0	287.5	502.0	10.00	5.00	0.10000	0.39370
70	HUMERAL BREAOTH, R	61.34	3.07	0.15	3.28	5.01	0.2	0.4	19C5	52.0	51.5	75.0	1.00	1.00	0.10000	0.39370
71	HUMERAL BREAOTH, L	61.01	3.01	0.08	3.20	4.91	0.2	0.0	19C5	52.0	51.5	74.0	1.00	1.00	0.10000	0.39370
72	FEMORAL BREAOTH, R	81.16	4.51	0.09	3.23	5.61	0.0	0.3	19C5	67.0	66.5	99.0	2.00	2.00	0.10000	0.39370
73	FEMORAL BREAOTH, L	81.40	4.38	0.10	3.07	5.41	0.1	0.2	19C5	67.0	66.5	99.0	2.00	2.00	0.10000	0.39370
74	CHEST DEPTH	236.43	19.32	0.66	3.71	8.21	0.8	0.6	19C5	184.0	182.5	323.0	5.00	3.00	0.10000	0.39370
75	WAIST DEPTH	170.14	16.72	1.14	5.41	5.81	1.1	1.8	19C5	130.0	128.5	255.0	5.00	3.00	0.10000	0.39370
76	ABDOMINAL EXT OPTH	208.90	21.19	0.94	4.81	10.11	1.0	1.5	19C5	158.0	155.5	303.0	5.00	3.00	0.10000	0.39370
77	BUTTOCK DEPTH	211.53	17.90	0.54	3.94	8.51	0.7	1.2	19C5	162.0	161.5	306.0	5.00	3.00	0.10000	0.39370
78	THIGH CLEARANCE	124.36	12.52	0.20	2.86	10.11	0.4	-0.3	19C5	90.0	89.5	159.0	3.00	2.00	0.10000	0.39370
79	SHOULDER LENGTH	146.61	10.21	0.16	3.02	7.01	0.3	-0.0	19C5	115.0	113.5	188.0	3.00	2.00	0.10000	0.39370
80	NECK-BUST POINT L	254.95	18.90	0.29	3.06	7.41	0.4	-0.2	19C5	200.0	197.5	320.0	5.00	3.00	0.10000	0.39370
81	STRAP LENGTH	652.21	39.24	0.31	3.17	6.01	0.3	0.2	19C5	525.0	517.5	797.0	10.00	10.00	0.10000	0.39370
82	INTERSCYE	350.57	24.41	0.19	3.02	7.01	0.2	-0.0	19C5	275.0	272.5	442.0	10.00	5.00	0.10000	0.39370
83	INTERSCYE, MAXIMUM	493.90	32.87	-0.05	3.15	6.71	0.0	0.4	19C5	374.0	372.5	605.0	10.00	5.00	0.10000	0.39370
84	BACK CURVATURE	421.45	30.53	0.44	3.28	7.21	0.5	0.1	19C5	340.0	337.5	535.0	10.00	5.00	0.10000	0.39370
85	WAIST BACK	405.11	22.16	0.10	3.00	5.51	0.0	-0.0	19C5	336.0	335.5	481.0	5.00	3.00	0.10000	0.39370
86	ANTERIOR WAIST LTH	335.78	19.57	0.31	3.24	5.81	0.5	0.5	19C5	270.0	272.5	415.0	5.00	3.00	0.10000	0.39370
87	SLEEVE INSEAM	441.27	24.15	0.16	3.10	5.51	0.2	0.2	19C5	370.0	367.5	535.0	10.00	5.00	0.10000	0.39370
88	SPINE-TO-SCYE LGTH	203.66	13.57	0.16	3.42	6.71	0.1	1.1	19C5	155.0	152.5	255.0	5.00	3.00	0.10000	0.39370
89	SPINE-TO-ELBOW LTH	533.17	24.06	0.18	3.22	4.51	0.3	0.5	19C5	452.0	447.5	625.0	10.00	5.00	0.10000	0.39370
90	SPINE-TO-WRIST LTH	795.84	33.19	0.19	3.16	4.21	0.3	0.2	19C5	677.0	672.5	912.0	10.00	5.00	0.10000	0.39370
91	HANO LENGTH	183.83	9.59	0.25	3.01	5.21	0.2	-0.2	19C5	153.0	151.5	220.0	3.00	2.00	0.10000	0.39370
92	HANO BREAOTH	75.54	3.89	-0.01	3.03	5.21	-0.1	0.0	19C5	61.0	60.5	88.0	1.00	1.00	0.10000	0.39370
93	HANO CIRCUMFERENCE	183.18	9.07	0.15	2.99	5.01	0.2	-0.1	19C5	150.0	149.5	215.0	3.00	2.00	0.10000	0.39370
94	FOOT LENGTH	240.69	11.28	0.12	2.86	4.71	0.2	-0.5	19C5	210.0	209.5	276.0	3.00	2.00	0.10000	0.39370
95	FOOT BREAOTH	88.68	4.98	0.26	3.54	5.61	0.2	1.2	19C5	70.0	69.5	110.0	2.00	1.00	0.10000	0.39370
96	HEAO LENGTH	184.10	6.79	0.03	2.95	3.71	0.1	-0.1	19C5	164.0	163.5	207.0	2.00	1.00	0.10000	0.39370
97	HEAO BREAOTH	145.15	5.95	0.11	3.15	4.11	0.2	-0.1	19C5	127.0	126.5	171.0	2.00	1.00	0.10000	0.39370
98	HEAO CIRCUMFERENCE	548.65	16.24	0.20	3.16	3.01	0.4	0.2	19C5	502.0	500.5	617.0	5.00	3.00	0.10000	0.39370
99	TRAGION-TOP HEAD	127.25	7.64	0.39	3.28	6.01	0.5	0.4	19C5	105.0	103.5	161.0	2.00	2.00	0.10000	0.39370
100	ECTOCANTHUS-TOP HO	117.65	9.19	0.42	3.43	7.81	0.5	0.7	19C5	90.0	89.5	157.0	3.00	2.00	0.10000	0.39370

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER CN THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STD DEV	V-I	V-II	V	DELM	DELS	N	MINIMUM	MIN	MAX	AVG	---THE RANGE CARO VALUES---				
														INTV1	INTV2	CF1	CF2	
101	PROMASALE-TOP HEAD	147.61	11.71	0.34	3.32	7.01	0.4	0.2	1905	110.0	109.5	193.0	148.0	3.00	2.00	0.10000	0.39370	
102	SUBNASALE-TOP HEAD	159.12	10.98	0.26	3.28	6.91	0.4	0.4	1905	127.0	125.5	205.0	159.0	3.00	2.00	0.10000	0.39370	
103	STOMION-TOP HEAD	178.26	11.21	0.24	3.42	6.31	0.3	0.7	1905	143.0	141.5	231.0	178.0	3.00	2.00	0.10000	0.39370	
104	MENTON-TOP HEAD	219.07	11.39	0.15	3.30	5.21	0.3	0.6	1905	184.0	183.5	268.0	219.0	3.00	2.00	0.10000	0.39370	
105	TRAGION TO WALL	101.72	9.00	0.70	4.19	8.81	0.7	1.4	1905	76.0	75.5	146.0	102.0	3.00	2.00	0.10000	0.39370	
106	ECTOCANTHUS-WALL	163.66	9.68	0.56	3.83	5.91	0.6	1.2	1905	135.0	133.5	212.0	164.0	3.00	2.00	0.10000	0.39370	
107	PROMASALE TO WALL	211.89	9.61	0.47	3.56	4.51	0.6	0.6	1905	187.0	185.5	250.0	212.0	3.00	2.00	0.10000	0.39370	
108	SUBNASALE TO WALL	196.62	9.81	0.53	3.76	5.01	0.7	0.9	1905	170.0	169.5	240.0	197.0	3.00	2.00	0.10000	0.39370	
109	LIP PROTUSUR N-WALL	193.01	10.59	0.59	3.91	5.51	0.9	1.2	1905	168.0	167.5	241.0	193.0	3.00	2.00	0.10000	0.39370	
110	MENTON TO WALL	182.33	11.36	0.43	3.63	6.21	0.6	1.0	1905	150.0	149.5	229.0	182.0	3.00	2.00	0.10000	0.39370	
111	SAGITTAL CURVATURE	347.86	14.89	0.28	3.58	4.31	0.4	0.7	1905	300.0	299.5	415.0	348.0	5.00	3.00	0.10000	0.39370	
112	BIGONIAL-CORONAL	339.22	14.05	0.14	3.13	4.11	0.1	0.2	1905	290.0	287.5	392.0	339.0	5.00	3.00	0.10000	0.39370	
113	BIGONIAL BREADTH	96.73	4.92	0.01	3.00	5.11	-0.1	-0.1	1905	80.0	79.5	112.0	97.0	2.00	1.00	0.10000	0.39370	
114	BIURICULAR BROTTH	158.34	9.50	0.10	2.82	6.01	0.4	0.4	1905	133.0	131.5	201.0	158.0	3.00	2.00	0.10000	0.39370	
115	BITRAGON BREADTH	128.89	5.00	0.21	3.29	3.91	0.3	0.6	1905	114.0	113.5	152.0	129.0	2.00	1.00	0.10000	0.39370	
116	BIZYGOMATIC BROTTH	128.99	5.78	0.17	3.28	4.51	-0.1	0.3	1905	109.0	108.5	149.0	129.0	2.00	1.00	0.10000	0.39370	
117	BIGONIAL BREADTH	101.86	5.62	0.04	3.13	5.51	-0.1	0.2	1905	81.0	80.5	122.0	102.0	2.00	1.00	0.10000	0.39370	
118	NASAL BREADTH	31.94	3.30	0.60	4.01	10.31	0.7	1.0	1905	23.0	22.5	46.0	32.0	1.00	1.00	0.10000	0.39370	
119	LIP LENGTH	43.78	4.21	0.20	3.04	9.61	0.1	-0.1	1905	31.0	30.5	58.0	44.0	1.00	1.00	0.10000	0.39370	
120	MENTON-SUBNASALE L	55.41	5.10	0.05	3.24	5.21	0.1	0.2	1905	40.0	39.5	75.0	55.0	2.00	1.00	0.10000	0.39370	
121	MENTON-SELLION LTH	106.29	6.12	0.08	3.09	5.81	0.1	-0.0	1905	87.0	86.5	128.0	106.0	2.00	1.00	0.10000	0.39370	
122	SUBNASALE-SELLION	45.47	4.10	0.14	3.36	9.01	0.2	0.7	1905	32.0	31.5	61.0	45.0	1.00	1.00	0.10000	0.39370	
123	EAR LENGTH	52.37	4.44	0.07	3.36	6.51	-0.1	0.6	1905	35.0	34.5	69.0	52.0	2.00	1.00	0.10000	0.39370	
124	EAR BREADTH	29.81	3.33	0.15	3.18	11.21	-0.0	-0.1	1905	20.0	19.5	42.0	30.0	1.00	1.00	0.10000	0.39370	
125	GRIP STRENGTH	29.89	5.70	0.25	3.51	19.11	0.2	0.7	1905	10.0	9.5	53.0	30.0	2.00	1.00	0.10000	2.20462	
126	WAIST HEIGHT, DFG	100.77	44.04	0.11	2.96	4.41	0.2	0.0	1513	869.0	867.5	1513.0	1008.0	10.00	10.00	0.10000	0.39370	
127	ABDCM EXT HGT, OFG	928.39	43.14	0.09	3.01	4.61	0.1	0.1	1513	786.0	777.5	1079.0	928.0	15.00	10.00	0.10000	0.39370	
128	WAIST CIRCUM, DFG	662.32	52.78	0.91	4.11	8.01	1.2	0.7	1513	555.0	547.5	890.0	662.0	15.00	10.00	0.10000	0.39370	
129	ABDOM EXT CIRC, OFG	874.75	72.64	0.72	4.11	8.31	1.1	1.5	1513	700.0	697.5	1182.0	875.0	20.00	10.00	0.10000	0.39370	
130	HIP C-7 BLW W, OFG	937.14	56.46	0.71	4.42	6.01	1.1	2.2	1513	775.0	767.5	1188.0	937.0	15.00	10.00	0.10000	0.39370	
131	HIP C-9 BLW W, OFG	952.96	58.30	0.43	3.88	6.11	0.7	1.6	1513	779.0	777.5	1102.0	953.0	15.00	10.00	0.10000	0.39370	
132	WAIST BREADTH, OFG	213.93	19.16	0.73	3.85	9.01	1.2	0.7	1513	173.0	170.5	308.0	214.0	5.00	3.00	0.10000	0.39370	
133	HIP BREADTH, OFG	336.72	21.44	0.42	3.63	6.41	0.7	1.3	1513	276.0	272.5	427.0	337.0	10.00	5.00	0.10000	0.39370	
134	WAIST DEPTH, OFG	156.49	18.45	1.18	5.35	11.81	1.5	1.9	1513	116.0	113.5	247.0	156.0	5.00	3.00	0.10000	0.39370	
135	ABDOM EXT DPTH, OFG	197.95	24.59	0.96	4.49	12.41	1.2	1.3	1513	141.0	137.5	302.0	198.0	10.00	5.00	0.10000	0.39370	
136	BUTTOCK DEPTH, OFG	215.89	19.74	0.82	4.46	9.11	1.2	1.5	1513	165.0	164.5	304.0	216.0	5.00	3.00	0.10000	0.39370	
137	BUTTOCK C, SIT, OFG	996.19	61.00	0.73	4.41	6.11	1.2	2.1	1513	840.0	837.5	1288.0	996.0	20.00	10.00	0.10000	0.39370	
138	THI-THI 8R, SIT, OFG	372.45	26.46	0.43	3.54	7.11	0.7	0.8	1503	292.0	287.5	483.0	372.0	10.00	5.00	0.10000	0.39370	
139	STATURE REPORTED	64.72	2.43	0.16	2.69	3.71	0.4	-0.8	1903	58.0	57.5	74.0	65.0	1.00	1.00	2.54000	0.39370	
140	WEIGHT REPORTED	125.40	15.83	0.66	4.00	12.61	0.9	1.1	1903	82.0	80.5	195.0	125.0	5.00	3.00	0.45359	2.20462	
141	FOUNDATION GARMENT	3.72	2.26	0.41	2.66	60.81	0.6	-2.7	1905	1.0	0.5	9.0	4.0	1.00	1.00	1.30000	1.00000	
142	AFSC	56887.48	*****	0.39	1.40	62.71	-0.2	-4.3	1467	1070.0	997.5	*****	3300.00	2000.00	1.00	1.00	1.00000	1.00000
143	RACE	1.93	0.28	-2.21	10.60	14.71	0.3	2.4	1905	1.0	0.5	3.0	2.0	1.00	1.00	1.00000	1.00000	
144	MARITAL STATUS	1.15	0.43	2.98	11.92	37.11	2.4	2.2	1905	1.0	0.5	4.0	1.0	1.00	1.00	1.00000	1.00000	
145	RANK (NUMERICAL)	17.69	8.67	1.06	2.29	49.01	0.6	-3.3	1905	11.0	10.5	36.0	18.0	1.00	1.00	1.00000	1.00000	
146	COMMAND	2.61	0.92	-0.84	2.64	35.41	0.1	-2.6	1905	1.0	0.5	6.0	3.0	1.00	1.00	1.00000	1.00000	
147	LOCATION	2.65	1.07	0.46	1.86	40.21	0.4	-2.5	1905	1.0	0.5	6.0	3.0	1.00	1.00	1.00000	1.00000	
148	BLOOD TYPE	2.51	1.38	0.02	1.15	55.01	-0.0	-4.0	1806	1.0	0.5	4.0	3.0	1.00	1.00	1.00000	1.00000	
149	RH FACTOR	1.85	0.36	-1.98	4.53	19.21	-1.1	-3.1	1756	1.0	0.5	2.0	2.0	1.00	1.00	1.00000	1.00000	
150	HANDEDNESS	1.84	0.41	3.10	12.22	36.11	2.3	1.2	1890	1.0	0.5	3.0	1.0	1.00	1.00	1.00000	1.00000	

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09/09/76

TABLE 4 (continued)

XVAL PRINTOUTS, VOLUME I

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO. VARIABLE NAME	MEAN	STO	DEV	V-I	V-II	V	DELM	DELS	A	MINIMUM	MIN	---THE RANGE CARD VALUES---				CF1	CF2
												MAX	AVG	INTV1	INTV2		
151 BIRTHPLACE SUBJECT	49.88	28.03	1.06	4.51	56.21	1.4	0.7	1905	9.0	7.5	180.0	50.0	10.00	5.00	1.00000	1.00000	
152 BIRTHPLACE FATHER	50.54	31.34	1.32	5.01	62.01	1.2	-0.5	1905	9.0	7.5	180.0	51.0	10.00	5.00	1.00000	1.00000	
153 BIRTHPLACE MOTHER	51.47	31.18	1.25	4.73	60.61	1.2	-0.6	1905	9.0	7.5	170.0	51.0	10.00	5.00	1.00000	1.00000	
154 YEAR OF BIRTH	449.81	64.46	-2.09	7.19	14.31	-1.9	1.2	1905	120.0	117.5	504.0	450.0	15.00	10.00	1.00000	1.00000	
155 AGE AT MENARCHE	131.35	14.40	0.26	4.34	11.01	0.4	1.8	1486	85.0	83.5	207.0	131.0	5.00	3.00	0.10000	1.00000	
156 YEAR MEASURED	6845.53	3.46	-0.27	1.79	0.11	-0.2	-2.9	1905	6839.06838	56851.06846	0.0	1.00	1.00	1.00	0.01000	1.00000	

Section VI

VOLUME II--THE 1967 SURVEY OF USAF FLYING PERSONNEL

The second major anthropometric survey of Air Force flying personnel was conducted during the first quarter of 1967, some 17 years after the pioneering survey of flying personnel made in 1950. 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.⁴

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, 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.

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 White, 1% Black, 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.

The metric data of this tape (variables 1-190) are complete except for reported height (N=2382) and reported weight (N=2381). Non-metric variables included are rank (variable #191), aerorating (#192), aircraft category (#193), birthplaces of subject and his parents (#194, 195, 196), race (#197), handedness (#198), blood type (#199), Rh factor (#200), command (#201), coding for these variables appear in the tape heading shown in Table 5.

⁴Grunhofer, H. J. and G. Kroh. A Review of Anthropometric Data of German Air Force and United States Air Force Personnel 1967-1968. AGARD-AG-205, Advisory Group for Aerospace Research and Development, 7 Rue Ancelle, 92200 Neuilly sur Seine, France, 172 pp., 1975. (AD A-010-674)

The format of the data is (see record 253, Table 5):

(I4,19F4.0,4(/,20F4.0),/1X,15F3.0,F4.0,10F3.0/,2(2X,26F3.0/),24F3.0)

requiring nine card images per subject. With the 253 records of the heading and those for the pseudo data record at the end, there are a total of 22,042 card images on this tape.

The XVAL output for this tape is shown as Table 6.

TABLE 5

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

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REC 0001.. ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **
REC 0002.. (7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4)
REC 0003.. NSRVY=0002; NVO = 190; NVT = 201; NSB = 2420; NLS = 45; NOATE=7609
REC 0004.. (I4,2X,2A9,3F8.2,2F6.2,2F10.7)
REC 0005.. (I4,2X,3A6,3F8.2,2F6.2,2F10.7)
REC 0006.. (I4,2X,4A4,A2,3F8.2,2F6.2,2F10.7)
REC 0007.. THE 1967 SURVEY WAS CONDUCTED DURING THE FIRST THREE MONTHS OF 1967. IT WAS PL
REC 0008.. ANNEO AND CONDUCTED UNDER THE DIRECTION OF CHARLES E. CLAUSER, THEN CHIEF OF TH
REC 0009.. E ANTHROPOLOGY BRANCH OF THE AEROSPACE MEDICAL RESEARCH LABORATORY, WPAFB, OHIO
REC 0010.. WITH THE COLLABORATION OF MILTON ALEXANDER, KENNETH KENNEY, JACK HENNINGER AND
REC 0011.. JOHN GARRETT AT AMRL AND EDMUND CHURCHILL AND LLOYD LAUBACH OF THE ANTHROPOLOGY
REC 0012.. RESEARCH PROJECT, YELLOW SPRINGS, OHIO. MEASURING WAS CARRIED OUT AT ALMOST 20
REC 0013.. BASES SPREAD OVER THE COUNTRY. SUMMARY STATISTICS AND A DESCRIPTION OF MEASUR
REC 0014.. NG TECHNIQUES FOR MOST VARIABLES ARE REPORTED IN, A REVIEW OF ANTHROPOMETRIC OA
REC 0015.. TA OF GERMAN AIR FORCE AND UNITED STATES AIR FORCE PERSONNEL 1967-1968, EDITED
REC 0016.. BY H.J. GRUNHOFER AND G. KROH AND PUBLISHED AS AGARO-AG-205, 1975.
REC 0017.. MEASUREMENT DATA (AGE, GRIP STRENGTH, AND 186 BODY SIZE MEASUREMENTS) ARE COMPLE
REC 0018.. TE FOR 2420 SUBJECTS, ALMOST COMPLETE FOR THE BACKGROUND AND RELATED VARIABLES.
REC 0019.. AGE IS IN 10TH'S OF YEARS, WEIGHT AND REPORTED WEIGHT (GUESSED WEIGHT) ARE IN PO
REC 0020.. UNDS, REPORTED HEIGHT IS IN INCHES, GRIP STRENGTH IS IN KILOGRAMS, VARIABLES 9-
REC 0021.. 11, SKINFOLDS MEASURED WITH THE HARPENON CALIPERS, ARE IN 10TH'S OF MILLIMETER
REC 0022.. S. ALL OTHER MEASURED VALUES ARE IN MILLIMETERS.
REC 0023.. CODED VARIABLES----
REC 0024.. 191.RANK
REC 0025.. 10-2ND LT / 11-1ST LT / 12-CAPT / 13-MAJ / 14 LT COL / 15 COL / 16 FOREIGN
REC 0026.. 192.AERO RATING
REC 0027.. 10-ST PILOT / 11-PILOT / 12-SR PILOT / 13-CMO PILOT / 20-ST NAVIGATOR /
REC 0028.. 21-NAVIGATOR / 22-SR NAVIGATOR / 23-MASTER NAVIGATOR / 30-OTHER
REC 0029.. 193.AIRCRAFT CATEGORY
REC 0030.. 1-TRAINER / 2-FIGHTER / 3-BOMBER / 4-CARGO / 5-OTHER
REC 0031.. 194-196.BIRTHPLACE SUBJECT, FATHER, AND MOTHER <
REC 0032.. 11-MAINE / 12-NEW HAMP / 13-VERMONT / 14-MASS / 15-RHODE IS / 16-CONN / 21-NEW
REC 0033.. YORK / 22-NEW JERSEY / 23-PENN / 31-DELAWARE / 32-MARYLAND / 33-DC / 34-VIRGINIA
REC 0034.. 35-W VIRGINIA / 36-N CAROLINA / 37-S CAROLINA / 38-GEORGIA / 39-FLORIDA
REC 0035.. 41-OHIO / 42-INDIANA / 43-ILLINOIS / 44-MICHIGAN / 45-WISCONSIN / 51-KENTUCKY
REC 0036.. 52-TENNESSEE / 53-MISSISSIPPI / 54-ALABAMA / 61-MINNESOTA / 62-IOWA
REC 0037.. 63-MISSOURI / 64-N DAKOTA / 65-S DAKOTA / 66-NEBRASKA / 67-KANSAS / 71-ARKANAS
REC 0038.. 72-LOUISIANA / 73-OKLAHOMA / 74-TEXAS / 81-MONTANA / 82-IDAHO / 83-WYOMING
REC 0039.. 84-COLORADO / 85-UTAH / 86-NEVADA / 87-ARIZONA / 88-N MEXICO / 91-CALIFORNIA
REC 0040.. 92-OREGON / 93-WASHINGTON / 94-ALASKA / 95-HAWAII / 09-ALL FOREIGN
REC 0041.. 197.RACE
REC 0042.. 1-CAUCASIAN / 2-NEGROID / 3-OTHER
REC 0043.. 198.HANDINESS
REC 0044.. 1-RIGHT / 2-LEFT / 3-AMBIEXTROUS
REC 0045.. 199.BLOOD TYPE
REC 0046.. 1-A / 2-B / 3-AB / 4-O
REC 0047.. 200.RH FACTOR
REC 0048.. 1-NEGATIVE / 2-POSITIVE
REC 0049.. 201.COMMAND
REC 0050.. 1-ATC / 2-TAC / 3-SAC / 4-AFSC / 5-MAC / 6-AOC / 9-OTHER / BLANK-AIV U.
REC 0051.. ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **
REC 0052.. 1 AGE 20750 50500 30000 1000 1000 1000000 10000000
REC 0053.. 2 WEIGHT 11650 25400 17400 500 300 4535924 22046223
REC 0054.. 3 SKF SUBSCAP"R-LNGE 350 4300 1400 200 100 1000000 3937008
REC 0055.. 4 SKF TRICEPS-LANGE 250 3300 1300 200 100 1000000 3937008
REC 0056.. 5 SKF JUX" NIPPLE-LGE 250 4400 1400 200 100 1000000 3937008
REC 0057.. 6 SKF MAL XIPH"D-LGE 250 3800 1200 200 100 1000000 3937008
REC 0058.. 7 SKF SUPRAILIAC-LGE 150 6300 2600 300 200 1000000 3937008
REC 0059.. 8 SKF SUPRAPATELLA-L 150 1700 700 100 100 1000000 3937008
REC 0060.. 9 SKF SUBSCAP"R-HARP 4750 39100 13900 1500 1000 1000000 3937008

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TABLE 5 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

REC 0061..	10	SKF TRICEPS-HARP" N	3750	30900	12300	1000	1000	100000	3937008
REC 0062..	11	SKF SUPRAILIAC-HPN	4250	55800	24200	2000	1500	100000	3937008
REC 0063..	12	GRIP STRENGTH	3150	8600	5600	200	200	1000000	22046223
REC 0064..	13	HEIGHT (STATURE)	157750	197200	177300	1500	1000	1000000	3937008
REC 0065..	14	CERVICALE HEIGHT	133750	170200	152100	1500	1000	1000000	3937008
REC 0066..	15	ACROMION HEIGHT	127750	164400	145200	1500	1000	1000000	3937008
REC 0067..	16	RADIALE HEIGHT	98750	127900	112300	1000	1000	1000000	3937008
REC 0068..	17	STYLION HEIGHT	74750	100400	86600	1000	1000	1000000	3937008
REC 0069..	18	DACTYLION HEIGHT	56750	78800	67200	1000	500	1000000	3937008
REC 0070..	19	SUPRASTERNALE HGHT	126750	152300	145200	1500	1000	1000000	3937008
REC 0071..	20	NIPPLE HEIGHT	112750	147400	129200	1500	1000	1000000	3937008
REC 0072..	21	WAIST HT-OMPHALION	91750	123800	106500	1500	1000	1000000	3937008
REC 0073..	22	ILIOCRISTALE HT	93750	126800	109200	1500	1000	1000000	3937008
REC 0074..	23	BUTTOCK HEIGHT	76750	109800	90100	1500	1000	1000000	3937008
REC 0075..	24	TROCHANTERION HGHT	78750	111900	94000	1500	1000	1000000	3937008
REC 0076..	25	GLUTEAL FURROW HGT	67750	98600	81100	1500	1000	1000000	3937008
REC 0077..	26	CROTCH HEIGHT	70750	103500	85100	1500	1000	1000000	3937008
REC 0078..	27	PATELLA TOP HEIGHT	43750	61200	52600	1000	500	1000000	3937008
REC 0079..	28	KNEE CIRC HEIGHT	41250	58600	49600	1000	500	1000000	3937008
REC 0080..	29	FIBULAR HEIGHT	35750	54600	43900	1000	500	1000000	3937008
REC 0081..	30	CALF HEIGHT	29250	44700	35600	1000	500	1000000	3937008
REC 0082..	31	ANKLE HEIGHT	10350	18000	13700	300	200	1000000	3937008
REC 0083..	32	SITTING HEIGHT	80750	104800	93200	1000	500	1000000	3937008
REC 0084..	33	EYE HEIGHT/SITTING	68250	91000	80900	1000	500	1000000	3937008
REC 0085..	34	MIDSHOULDER HT/SIT	53750	74600	64600	1000	500	1000000	3937008
REC 0086..	35	ACROMION H" GHT/SIT	49250	71400	61100	1000	500	1000000	3937008
REC 0087..	36	ELBOW REST HGT/SIT	15250	35100	25200	1000	500	1000000	3937008
REC 0088..	37	KNEE HEIGHT/SITTING	47250	64200	55800	1000	500	1000000	3937008
REC 0089..	38	POPLITEAL HGHT/SIT	36250	51200	43700	500	300	1000000	3937008
REC 0090..	39	BUTTOCK-KNEE LNGTH	51750	69600	60400	1000	500	1000000	3937008
REC 0091..	40	BUTTOCK-POPLITEAL	42250	59800	50400	1000	500	1000000	3937008
REC 0092..	41	ACRM-BICEP CIR LVL	13750	24000	19000	500	300	1000000	3937008
REC 0093..	42	SHOULDER-ELBOW LTH	30550	42700	35900	500	300	1000000	3937008
REC 0094..	43	ACROMION-RADIALE L	26950	39300	32900	500	300	1000000	3937008
REC 0095..	44	ELBOW-WRIST LENGTH	25550	34700	30000	500	200	1000000	3937008
REC 0096..	45	RAOIALE-STYLION LH	22350	31400	26900	500	200	1000000	3937008
REC 0097..	46	ELBOW-GRIP LENGTH	29650	40500	35200	500	300	1000000	3937008
REC 0098..	47	THUMB-TIP REACH	65750	95800	80300	1500	1000	1000000	3937008
REC 0099..	48	THUMB-TIP R"CH/XTO	74750	104900	89600	1500	1000	1000000	3937008
REC 0100..	49	SLEEVE INSEAM	39750	57800	48500	1000	500	1000000	3937008
REC 0101..	50	BIACROMIAL BREADTH	33850	47400	40700	500	300	1000000	3937008
REC 0102..	51	BIDELTOIO BREADTH	39750	56700	48200	1000	500	1000000	3937008
REC 0103..	52	CHEST BREADTH	25750	41500	32800	1000	500	1000000	3937008
REC 0104..	53	WAIST BROTH-OMPH" N	23250	44000	31000	1000	500	1000000	3937008
REC 0105..	54	BICRISTALE BREADTH	19750	35200	27900	1000	500	1000000	3937008
REC 0106..	55	HIP BREADTH	28250	44600	35300	1000	500	1000000	3937008
REC 0107..	56	HIP BREADTH SITTING	30750	47800	37800	1000	500	1000000	3937008
REC 0108..	57	ELBOW BROTH BONE/R	5850	8300	7100	100	100	1000000	3937008
REC 0109..	58	ELBOW BROTH BONE/L	5850	8300	7100	100	100	1000000	3937008
REC 0110..	59	F"ARM-F"ARM BR"OTH	40750	70800	54300	1500	1000	1000000	3937008
REC 0111..	60	KNEE BR"OTH BONE/R	8450	11600	10000	200	100	1000000	3937008
REC 0112..	61	KNEE BR"OTH BONE/L	8550	11700	10000	200	100	1000000	3937008
REC 0113..	62	CHEST DEPTH	18850	31600	24500	500	300	1000000	3937008
REC 0114..	63	WAIST DEPTH-OMPH" N	16250	33600	22300	1000	500	1000000	3937008
REC 0115..	64	BUTTOCK DEPTH	16750	33800	24000	1000	500	1000000	3937008
REC 0116..	65	THIGH CLEARANCE HT	12350	21700	16500	500	200	1000000	3937008
REC 0117..	66	NECK CIRC -MAXIMUM	32650	45000	38300	500	300	1000000	3937008
REC 0118..	67	SHOULDER CIRCUM"CE	99750	136700	117700	1500	1000	1000000	3937008
REC 0119..	68	CHEST CIRC AT SCYE	78750	124300	102300	2000	1000	1000000	3937008
REC 0120..	69	CHEST CIRCUMF"ENCE	76750	121400	98600	1500	1000	1000000	3937008

TABLE 5 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

REC 0121..	70	WAIST CIR-OMPHAL**N	67250	124600	87600	2000	1500	1000000	3937008
REC 0122..	71	WAIST CIR-OMPH/SIT	65750	128000	87400	2500	1500	1000000	3937008
REC 0123..	72	BUTTOCK CIRCUMF**CE	80750	124400	98600	1500	1000	1000000	3937008
REC 0124..	73	BUTTOCK CIRCUM/SIT	86750	141100	107600	2000	1500	1000000	3937008
REC 0125..	74	VERTICAL TRUNK CIR	142250	197500	168100	2000	1500	1000000	3937008
REC 0126..	75	VERT TRUNK CIR/SIT	136750	185600	161300	2000	1000	1000000	3937008
REC 0127..	76	SCROTALÉ-ANT WAIST	22450	36300	28400	500	300	1000000	3937008
REC 0128..	77	SCROTALÉ-A WAIST/S	19750	31700	25400	500	300	1000000	3937008
REC 0129..	78	SCRTEL-SUPRSTERNLE	59750	82200	68800	1000	500	1000000	3937008
REC 0130..	79	SCRTEL-SUPRSTRNLE/S	52250	75500	63600	1000	500	1000000	3937008
REC 0131..	80	SCRTEL-ANT SCYE LVL	42750	64100	53800	1000	500	1000000	3937008
REC 0132..	81	SCRTEL-ANT SCYE L/S	36250	58000	48500	1000	500	1000000	3937008
REC 0133..	82	SCRTEL-A MIDSHOULDR	65750	91400	77300	1000	1000	1000000	3937008
REC 0134..	83	SCRTEL-A MDSHLDR/S	59250	83800	72400	1000	500	1000000	3937008
REC 0135..	84	SCROTALÉ-PST WAIST	25250	44800	35300	1000	500	1000000	3937008
REC 0136..	85	SCROTALÉ-WAIST OVR BK	33250	53100	42600	1000	500	1000000	3937008
REC 0137..	86	SCROTALÉ-P WAIST/S	26250	50300	36500	1000	500	1000000	3937008
REC 0138..	87	SCRTEL-WAIST/BUTT/S	29250	52400	39500	1000	500	1000000	3937008
REC 0139..	88	SCROTALÉ-CERVICALE	68750	96500	82600	1000	1000	1000000	3937008
REC 0140..	89	SCROTALÉ-CERVICLE/S	70750	98800	84500	1000	1000	1000000	3937008
REC 0141..	90	SCRTEL-PST SCYE LVL	51750	74200	62200	1000	500	1000000	3937008
REC 0142..	91	SCRTEL-PST SCYE L/S	51750	78000	64600	1000	1000	1000000	3937008
REC 0143..	92	SCRTEL-P MIDSHOULDR	71750	99300	85300	1000	1000	1000000	3937008
REC 0144..	93	SCRTEL-MDSHLD OVR B	77750	104400	91400	1000	1000	1000000	3937008
REC 0145..	94	SCRTEL-P MDSHLDR/S	73750	104300	87300	1500	1000	1000000	3937008
REC 0146..	95	SCRTEL-MDSHLD O B/S	74750	105500	89300	1500	1000	1000000	3937008
REC 0147..	96	UPPER THIGH CIRCUM	44750	75900	58800	1500	1000	1000000	3937008
REC 0148..	97	UPPER THIGH C/SIT	43750	73400	57900	1000	1000	1000000	3937008
REC 0149..	98	KNEE CIRCUMFERENCE	31250	48200	38700	1000	500	1000000	3937008
REC 0150..	99	KNEE CIRCUM**CE/SIT	33250	48600	39300	1000	500	1000000	3937008
REC 0151..	100	CALF CIRCUMF/RIGHT	29750	45200	37200	1000	500	1000000	3937008
REC 0152..	101	CALF CIRCUMF/LEFT	29750	45200	36900	1000	500	1000000	3937008
REC 0153..	102	ANKLE CIRCUMF**ENCE	18150	26700	22400	300	200	1000000	3937008
REC 0154..	103	SCYE CIRCUMFERENCE	40250	59400	48400	1000	500	1000000	3937008
REC 0155..	104	BICEPS C-EXTEND/RT	22750	38800	30800	1000	500	1000000	3937008
REC 0156..	105	BICEPS C-EXTEND/LT	21750	38400	30400	1000	500	1000000	3937008
REC 0157..	106	BICEPS C-FLEXED/RT	25250	40800	32700	1000	500	1000000	3937008
REC 0158..	107	BICEPS C-FLEXED/LT	25150	40100	32100	500	300	1000000	3937008
REC 0159..	108	ELBOW CIR-EXTENDED	23150	32200	27700	500	200	1000000	3937008
REC 0160..	109	ELBOW CIRC-FLEXED	25750	36900	31200	500	300	1000000	3937008
REC 0161..	110	LOWER ARM C-EXTEND	23350	32700	28200	500	200	1000000	3937008
REC 0162..	111	LOWER ARM C-FLEXED	23950	35400	29800	500	300	1000000	3937008
REC 0163..	112	WRIST CIRCUMF**ENCE	14950	20800	17600	200	200	1000000	3937008
REC 0164..	113	SLVE L/SPINE-SCYE	23050	35400	28400	500	300	1000000	3937008
REC 0165..	114	SLVE L/SPINE-ELBOW	52250	70500	60600	1000	500	1000000	3937008
REC 0166..	115	SLVE L/SPINE-WRIST	78750	104500	90800	1000	1000	1000000	3937008
REC 0167..	116	ANTERIOR NECK LGTH	2050	13800	8400	500	300	1000000	3937008
REC 0168..	117	POSTERIOR NECK LTH	8350	19900	13200	500	300	1000000	3937008
REC 0169..	118	SHOULDER LENGTH	13150	21700	16600	300	200	1000000	3937008
REC 0170..	119	DELTOID ARC	11750	20600	15900	300	200	1000000	3937008
REC 0171..	120	INTERSCYE	26750	50400	38800	1000	500	1000000	3937008
REC 0172..	121	INTERSCYE MAXIMUM	49250	71300	61500	1000	500	1000000	3937008
REC 0173..	122	WAIST FRONT-OMPH**N	33750	49200	40400	1000	500	1000000	3937008
REC 0174..	123	CROTCH LGTH-OMPH**N	56750	85700	70600	1000	1000	1000000	3937008
REC 0175..	124	WAIST BACK-OMPHL**N	40250	56300	46900	1000	500	1000000	3937008
REC 0176..	125	FOOT LENGTH	23150	31300	27000	300	200	1000000	3937008
REC 0177..	126	INSTEP LENGTH	16350	23400	19800	300	200	1000000	3937008
REC 0178..	127	FOOT BREADTH	8350	11700	9800	200	100	1000000	3937008
REC 0179..	128	BALL-OF-FOOT CIRC	21150	29400	24800	300	200	1000000	3937008
REC 0180..	129	INSTEP CIRCUMF**NCE	22350	30600	25700	300	200	1000000	3937008

TABLE 5 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

REC 0181..	130	HEEL CIRCUMFERENCE	29050	39600	33900	500	300	1000000	3937008
REC 0182..	131	BI-MALLEOLAR BROTH	5750	8900	7300	200	100	1000000	3937008
REC 0183..	132	LAT" L MALLEOLUS HT	5350	8900	7000	200	100	1000000	3937008
REC 0184..	133	MEO" L MALLEOLUS HT	6750	10400	8600	200	100	1000000	3937008
REC 0185..	134	HANO LENGTH	16550	22200	19100	200	200	1000000	3937008
REC 0186..	135	PALM LENGTH	9250	12800	10800	200	100	1000000	3937008
REC 0187..	136	HANO BR/METACARPLE	7550	10200	8900	100	100	1000000	3937008
REC 0188..	137	HANO BRTH AT THUMB	8550	12300	10200	200	100	1000000	3937008
REC 0189..	138	HANO C/METACARPALE	18350	24700	21600	300	200	1000000	3937008
REC 0190..	139	HANO C ROUND THUMB	21750	29900	25800	300	200	1000000	3937008
REC 0191..	140	HANO THICK/META-3	1950	3600	2800	100	100	1000000	3937008
REC 0192..	141	HEAO CIRCUMFERENCE	52550	62000	57500	500	200	1000000	3937008
REC 0193..	142	SAGITTAL ARC/INION	29950	40300	34600	500	300	1000000	3937008
REC 0194..	143	MINIMUM FRONTL ARC	11150	16900	13600	200	200	1000000	3937008
REC 0195..	144	BITRAGON-CORONAL	31950	40200	35800	300	200	1000000	3937008
REC 0196..	145	BITRAG-MIN FRNTAL	27150	34900	30800	300	200	1000000	3937008
REC 0197..	146	BITRAG"N-SUBNASALE	25950	32800	29300	300	200	1000000	3937008
REC 0198..	147	BITRAGON-MENTON	28150	36700	32600	300	200	1000000	3937008
REC 0199..	148	BIT-SUBMANOIBULAR	25750	36700	31000	500	300	1000000	3937008
REC 0200..	149	BITRAG"N-POSTERIOR	25150	35400	29400	500	300	1000000	3937008
REC 0201..	150	HEAO LENGTH	17350	22600	19900	200	200	1000000	3937008
REC 0202..	151	HEAD OIAGNL/MENTON	23150	28400	25600	200	200	1000000	3937008
REC 0203..	152	HO OIAG/INION-NOSE	18750	25600	21900	300	200	1000000	3937008
REC 0204..	153	EAR BREAOTH	2650	4900	3800	100	100	1000000	3937008
REC 0205..	154	EAR LENGTH	4850	8300	6600	200	100	1000000	3937008
REC 0206..	155	EAR L ABVE TRAGION	2050	4100	2900	100	100	1000000	3937008
REC 0207..	156	HEAD BREAOTH	13850	17600	15000	200	100	1000000	3937008
REC 0208..	157	MAXIMUM FRONTAL BR	9550	13100	11600	200	100	1000000	3937008
REC 0209..	158	BITRAGON BREAOTH	12350	16100	14300	200	100	1000000	3937008
REC 0210..	159	BIZYGOMATIC BR"OTH	12350	15900	14200	200	100	1000000	3937008
REC 0211..	160	BIGONIAL BREAOTH	9450	14200	11700	200	100	1000000	3937008
REC 0212..	161	EAR-TO-EAR BREAOTH	16150	21500	18800	200	200	1000000	3937008
REC 0213..	162	BIOOCULAR BREAOTH	7750	10800	9200	200	100	1000000	3937008
REC 0214..	163	INTERPUPILLARY BRO	5050	7700	6300	100	100	1000000	3937008
REC 0215..	164	INTEROCULAR BR"OTH	2250	4400	3300	100	100	1000000	3937008
REC 0216..	165	NOSE BREAOTH	2650	5100	3500	100	100	1000000	3937008
REC 0217..	166	LIP LENGTH	3850	6600	5200	100	100	1000000	3937008
REC 0218..	167	EAR PROTRUSION	1150	3300	2200	100	100	1000000	3937008
REC 0219..	168	SUBNASALE-NASAL RT	3850	6400	5100	100	100	1000000	3937008
REC 0220..	169	PHILTRUM LENGTH	550	2500	1600	100	100	1000000	3937008
REC 0221..	170	LIP-TO-LIP LENGTH	250	3200	1700	100	100	1000000	3937008
REC 0222..	171	MENTON-SUBNASALE L	5250	8900	6900	200	100	1000000	3937008
REC 0223..	172	MENTON-NASAL ROOT	9750	14300	12000	200	100	1000000	3937008
REC 0224..	173	GLABELLA-TO-VERTEX	5750	12500	9300	300	200	1000000	3937008
REC 0225..	174	NASAL ROOT-TO-VRTX	6950	14100	10700	300	200	1000000	3937008
REC 0226..	175	XTRNL CANTHUS-VRTX	9150	14700	12000	200	200	1000000	3937008
REC 0227..	176	PRONASALE-TO-VRTX	10750	18500	14700	300	200	1000000	3937008
REC 0228..	177	SUBNASALE-TO-VRTX	12350	19600	16100	300	200	1000000	3937008
REC 0229..	178	STOMION-TO-VERTEX	14950	21900	18400	300	200	1000000	3937008
REC 0230..	179	MENTON-TO-VERTEX	18950	26000	22800	300	200	1000000	3937008
REC 0231..	180	TRAGION-TO-VERTEX	11450	15500	13400	200	100	1000000	3937008
REC 0232..	181	GLABELLA-TO-WALL	17950	22900	20400	200	100	1000000	3937008
REC 0233..	182	NASAL ROOT-TO-WALL	17850	22700	20200	200	100	1000000	3937008
REC 0234..	183	XTRNL CANTHUS-WALL	15550	20300	17800	200	100	1000000	3937008
REC 0235..	184	PRONASALE-TO-WALL	19550	25200	22700	200	200	1000000	3937008
REC 0236..	185	SUBNASALE-TO-WALL	17950	23500	21000	200	200	1000000	3937008
REC 0237..	186	LIP PROMIN"CE-WALL	18550	24000	21200	200	200	1000000	3937008
REC 0238..	187	CHIN PROMINCE-WALL	16950	24000	20500	300	200	1000000	3937008
REC 0239..	188	TRAGION-TO-WALL	8050	12500	10300	200	100	1000000	3937008
REC 0240..	189	GUESSEO HEIGHT	6250	7600	7000	100	100	25400048	3937008

TABLE 5 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

REC 0241..	190	GUESSED WEIGHT	1235J	22100	17300	500	200	4535924	22046223
REC 0242..	191	RANK	950	1600	1200	100	100	10000000	10000000
REC 0243..	192	AERO RATING	950	3000	1400	100	100	10000000	10000000
REC 0244..	193	AIRCRAFT CATEGORY	50	50J	200	100	100	10000000	10000000
REC 0245..	194	BIRTHPLACE SUBJECT	750	9500	5000	300	200	10000000	10000000
REC 0246..	195	BIRTHPLACE FATHER	750	9500	4500	300	200	10000000	10000000
REC 0247..	196	BIRTHPLACE MOTHER	750	9500	4600	300	200	10000000	10000000
REC 0248..	197	RACE	50	300	100	100	100	10000000	10000000
REC 0249..	198	HANDEDNESS	50	300	100	100	100	10000000	10000000
REC 0250..	199	BLOOD TYPE	5J	400	300	100	100	10000000	10000000
REC 0251..	200	RH FACTOR	50	200	200	100	100	10000000	10000000
REC 0252..	201	COMMAND	50	900	300	100	100	10000000	10000000
REC 0253..	(I4,19F4.0,4(,20F4.0),/,1X,15F3.0,F4.0,10F3.0,/,2(2X,26F3.0,/,),24F3.0)								
REC 0254..	15	415	179	20	17	19	19	29	10 233 137 295 491711147814351096 820 6361417
REC 0255..	126010241059	866	911	796	807	510	478	428	334 130 906 802 647 618 248 538 409 581
REC 0256..	465	193	373	343	306	275	347	832	929 490 407 485 344 337 284 339 368 70 70 584
REC 0257..	91	91	284	269	260	156	415116811221125	9951008	974108416821627 317 260 747 645
REC 0258..	6J3	512	828	725	327	377	367	383	787 821 601 632 838 882 855 867 559 578 359 375
REC 0259..	359356221466286275306301261311266287169293606	915	62104148150418592415738462260						
REC 0260..	184	94242251327	74	73	82188110	89105216252	28563330133347300289322324280192249		
REC 0261..	219	38	70	27152109137137111180	89	59	33	36	53 21 55 19 17 78132 73 85110124138
REC 0262..	165216136194197170228214216216	98	67179	14	13	3	44	9	9 1 1 4 2 3
REC 0263..	16	415	170	9	11	16	7	17	10 100 106 193 521766151414271096 839 6481444
REC 0264..	125110451069	892	942	798	837	524	492	440	375 148914 788 609 570 208 548 415 605
REC 0265..	495	178	364	329	305	268	354	808	963 488 404 477 336 301 277 343 363 73 71 574
REC 0266..	96	96	238	225	222	165	38411511026	975	841 881 957104217011585 292 235 701 614
REC 0267..	544	452	771	682	323	392	378	399	777 839 565 630 820 889 873 895 578 581 384 400
REC 0268..	37338022348732631833232275308282289180282584	899	77136165134426622421724456249						
REC 0269..	179101263264349	68	74	85193110	92109221263	30580348139341306297342320294202262			
REC 0270..	223	36	65	31156120143141121178	91	62	34	39	54 17 57 17 19 74130 77 93112134150
REC 0271..	178228133208207193238220227225115	69167	14	13	1	85	85	83	1 1 4 2 3
REC 0272..	17	425	172	10	13	10	7	5	9 111 122 101 531834156614861156 901 7011488
REC 0273..	132411021101	889	948	804	830	533	505	439	353 130 969 859 671 640 278 563 439 629
REC 0274..	515	174	353	325	294	261	339	861	891 479 427 500 337 293 260 350 380 71 70 520
REC 0275..	102	102	239	204	241	152	3771142	997	931 805 822 981106817541696 303 287 717 680
REC 0276..	505	528	798	761	366	492	397	429	844 859 638 662 891 990 875 901 591 592 399 397
REC 0277..	393373233466297292312300269310272300177311632	928109141173160454613402806467268							
REC 0278..	194101267269352	75	76	93187109	92106228262	28569334137350312305323304286190251			
REC 0279..	219	40	76	35161113156149117195	91	62	32	39	55 24 56 19 14 66121 90102119149163
REC 0280..	186226134199197170225204201192	96	71167	14	13	2	74	52	73 1 1 2 2 9
REC 0281..	18	445	183	14	24	27	14	31	12 124 225 264 511779153614551110 840 6561464
REC 0282..	128110751117	926	946	833	839	521	492	448	392 136 932 802 640 610 239 569 442 616
REC 0283..	501	181	364	335	314	282	367	817	941 499 408 487 349 361 320 382 417 73 72 541
REC 0284..	94	94	272	247	258	153	357114110571034	953	9601043115517301652 303 265 712 647
REC 0285..	565	497	800	731	373	452	401	427	839 874 630 664 877 917 898 895 618 624 380 399
REC 0286..	367371215442326302349320272332278294185266587	902	70133160130422576417761461272						
REC 0287..	200	97261265344	75	72	90186107	92111214257	28557319122325287291327315290195246		
REC 0288..	212	40	68	28148112145138106185	91	60	32	33	49 21 52 17 18 66121 82 99110140149
REC 0289..	181222130197196173228210214214102	71179	14	13	4	62	62	62	1 1 4 1 2
REC 0290..	19	425	210	23	17	30	30	35	10 236 183 374 621860160315361194 910 7171540
REC 0291..	139511421168	9961018	892	911	565	532	475	408	158 939 824 668 634 275 610 474 647
REC 0292..	531	194	381	346	323	295	375	869	973 507 421 515 372 357 304 377 405 78 76 612
REC 0293..	102	102	282	250	274	166	402124511521115102010341038115517421670	306	275 728 643
REC 0294..	561	480	795	718	365	427	382	405	831 851 646 668 920 960 930 952 615 621 402 430
REC 0295..	395377224491330331344350298339307324182316644	966	83158179143442643413744469288						
REC 0296..	212106268278354	75	72	85200114	98115232272	30596364136357313286326315295206261			
REC 0297..	221	39	68	30159109151141116194	92	60	27	37	48 20 50 16 12 71124 94107117148158
REC 0298..	18J229136214210190234214217216109	73209	14	13	4	53	53	53	1 1 4 2 4
REC 0299..	20	395	210	11	15	18	12	20	6 148 129 95 641956166916071249 975 7711605
REC 0300..	142511641170	9631001	875	896	565	536	485	363	1601048 900 714 672 289 601 474 630

TABLE 5 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME II

REC 0301.. 530 219 385 350 320 279 379 8701030 504 451 520 369 309 291 369 382 77 76 544
 REC 0302.. 119 109 260 211 240 156 409124511051066 845 8721016107718641755 334 291 795 750
 REC 0303.. 611 575 874 825 354 481 388 400 873 900 641 672 9271027 943 950 582 567 409 429
 REC 0304.. 332381244492344315357345300342306322204325615 937 98133178171488655461769512297
 REC 0305.. 225 96269293389 89 76101210119 98114229286 26618396159394349313346336299221284
 REC 0306.. 240 43 79 30160125152155117202100 70 37 41 59 29 64 25 12 80143 95111131161173
 REC 0307.. 203246147229227198245228240231117 76209 14 13 1 51 51 51 1 1 1 2 4
 REC 0308.. 21 415 153 11 10 19 14 14 6 121 109 141 451774151214641148 885 6891438
 REC 0309.. 127910511060 891 921 799 826 537 501 427 349 130 938 816 642 608 265 544 429 595
 REC 0310.. 505 199 341 316 293 266 357 774 876 466 382 466 327 277 247 337 353 70 71 543
 REC 0311.. 95 95 212 198 222 154 3821079 960 943 777 785 926102716441578 282 238 688 610
 REC 0312.. 542 471 763 680 315 415 350 403 769 787 596 819 831 908 838 903 544 526 380 388
 REC 0313.. 356355221441301291328309270331276300172278565 858105105148145402595398675460268
 REC 0314.. 195 96250245331 75 75 88186108 89106211244 27574335144357306294328312280195260
 REC 0315.. 226 40 65 28160109148147114193 91 58 30 35 52 20 59 14 22 74132 78 91110135150
 REC 0316.. 174224134195194172230215217207 99 69149 14 13 4 39 53 39 1 1 4 2 9
 REC 0317.. 22 435 165 19 11 14 14 22 7 143 100 237 821734149914221104 859 6681429
 REC 0318.. 127910731075 898 921 810 822 515 487 443 357 138 889 761 611 586 245 555 439 604
 REC 0319.. 494 177 347 324 301 273 358 792 894 480 385 460 313 289 254 327 357 69 68 533
 REC 0320.. 93 92 258 225 232 157 424117010281011 825 851 947103516551561 317 270 688 623
 REC 0321.. 565 490 798 711 320 406 375 391 762 816 560 821 793 873 830 843 557 566 371 387
 REC 0322.. 381372228479324320356332283323285308175299585 881 75119154136390603365733441273
 REC 0323.. 197 91245265346 75 69 77191107 90110219260 28592361139356310291332321287205263
 REC 0324.. 234 40 73 29158118143138120183 91 62 32 36 51 22 54 15 18 71124 86100112140153
 REC 0325.. 17522413120720518023722224220108 68161 14 23 3 52 52 52 1 1 1 2 2
 REC 0326.. 24 445 187 13 18 29 19 25 6 135 160 252 631851159314961149 870 6581510
 REC 0327.. 134111321157 980 972 862 890 566 536 466 376 142 949 819 643 602 216 589 463 656
 REC 0328.. 501 213 378 340 327 298 388 8331044 512 414 512 356 328 317 365 401 73 74 630
 REC 0329.. 103 104 243 219 254 155 397116410781034 899 8831040111017451640 319 275 722 650
 REC 0330.. 552 489 800 720 371 447 405 423 819 852 608 645 858 920 885 912 539 605 382 400
 REC 0331.. 360362219469312327320334283312278297176294633 965106130185141421645393785449287
 REC 0332.. 218 91238262351 77 70 83208118 91111220258 28563344138344305298337327284197252
 REC 0333.. 218 35 68 27153114143145115186 96 67 34 35 55 22 52 19 16 72126 79 89110126142
 REC 0334.. 167219131200199176230218220205103 73185 14 13 5 43 43 67 1 2 4 2 5
 REC 0335.. 25 435 184 21 16 26 16 31 8 175 186 240 611806155114891140 896 6941468
 REC 0336.. 127810651085 863 922 788 824 522 486 456 359 144 969 851 881 650 280 563 424 585
 REC 0337.. 499 200 375 349 302 261 350 814 924 474 406 494 337 342 297 366 398 70 70 555
 REC 0338.. 102 100 259 251 261 162 403113510461007 946 9221036113318151719 300 283 733 685
 REC 0339.. 588 533 835 761 374 460 374 399 876 900 661 690 895 993 917 940 606 634 409 426
 REC 0340.. 388372234496318311318330285331290304179305614 917 95128160165403655425797501280
 REC 0341.. 210 96256278358 81 76 94197113 89108211254 29568324147361310291335322271190256
 REC 0342.. 225 33 66 26161112147146109204 89 60 32 36 51 29 52 19 17 79131 75 88110128138
 REC 0343.. 164218132193194173226212216220102 70185 14 13 2 21 21 21 1 1 1 2 3

TABLE 6

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 1 THROUGH 8

	1	2	3	4	5	6	7	8
	AGE	WEIGHT	SKF SUBS CAP R-LNGE VALUE SBJCT	SKF TRIC EPS-LNGE VALUE SBJCT	SKF JUX NIPPLE-LGE VALUE SBJCT	SKF MAL XIPH O-LGE VALUE SBJCT	SKF SUPR AILIAC-LGE VALUE SBJCT	SKF SUPR APATELLA-L VALUE SBJCT
1ST SMALLEST	215.0	118.0	4.0	3.0	3.0	3.0	3.0	2.0
2ND SMALLEST	215.0	120.0	5.0	3.0	3.0	3.0	4.0	2.0
3RD SMALLEST	215.0	121.0	5.0	3.0	3.0	3.0	4.0	3.0
4TH SMALLEST	215.0	121.0	5.0	3.0	3.0	3.0	4.0	3.0
5TH SMALLEST	215.0	122.0	6.0	3.0	3.0	3.0	4.0	3.0
6TH SMALLEST	215.0	122.0	6.0	3.0	3.0	3.0	5.0	3.0
7TH SMALLEST	215.0	123.0	6.0	3.0	3.0	3.0	5.0	3.0
8TH SMALLEST	215.0	124.0	6.0	3.0	3.0	3.0	5.0	3.0
9TH SMALLEST	215.0	124.0	6.0	3.0	3.0	3.0	5.0	3.0
XTH SMALLEST	215.0	125.0	6.0	4.0	3.0	3.0	5.0	3.0

XTH LARGEST	485.0	238.0	35.0	28.0	34.0	32.0	60.0	15.0
9TH LARGEST	485.0	239.0	35.0	29.0	34.0	33.0	62.0	15.0
8TH LARGEST	485.0	239.0	35.0	29.0	34.0	33.0	62.0	15.0
7TH LARGEST	485.0	240.0	35.0	29.0	34.0	34.0	62.0	15.0
6TH LARGEST	495.0	240.0	36.0	29.0	35.0	34.0	62.0	15.0
5TH LARGEST	495.0	240.0	37.0	30.0	37.0	34.0	62.0	15.0
4TH LARGEST	495.0	242.0	38.0	30.0	37.0	34.0	63.0	16.0
3RD LARGEST	495.0	242.0	38.0	31.0	37.0	35.0	63.0	17.0
2ND LARGEST	495.0	250.0	39.0	31.0	38.0	36.0	63.0	17.0
1ST LARGEST	505.0	264.0	43.0	33.0	44.0	38.0	63.0	17.0
THE MEAN VALUE								
STD. DEVIATION	300.32	173.60	13.66	12.75	13.60	12.07	26.20	7.33
COFF/VARIATION	63.04	21.44	5.32	5.12	6.70	5.67	11.77	2.31
••TOP••	20.99	12.35	38.93	40.18	49.24	47.01	44.92	31.49
••BOT••	0.07	0.23	0.28	0.21	0.32	0.21	0.05	0.17
VETA ONE	0.0	0.06	0.07	0.04	0.0	0.0	0.04	0.08
VETA TWO	0.76	0.31	1.26	0.57	0.67	0.93	0.29	0.70
	2.72	3.09	5.07	3.04	3.03	3.81	2.50	3.52
(N-20)-AVG EST								
(N-20)-S.D.EST	299.88	173.52	13.60	12.72	13.55	12.01	26.14	7.31
	63.94	21.49	5.27	5.15	6.74	5.67	11.89	2.31
PCT DIFF/MEANS								
PCT DIF/ST OVS	1.0	0.0	1.0	1.0	1.0	1.0	0.0	1.0
	-1.0	-0.0	1.0	-1.0	-1.0	0.0	-1.0	-0.0
SIZE OF SAMPLE								
	2420	2420	2420	2420	2420	2420	2420	2420

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 9 THROUGH 16

	9	10	11	12	13	14	15	16
	SKF SUBS	SKF TRIC	SKF SUPR	GRIP STR	HEIGHT (CERVICAL	ACROMION	RADIALE
	CAP R-HARP	EPS-HARP N	ALIAC-HPN	ENGLH	STATURE)	E HEIGHT	HEIGHT	HEIGHT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	52.0	38.0	43.0	33.0	1579.0	1347.0	1278.0	991.0
2ND SMALLEST	54.0	39.0	43.0	34.0	1590.0	1347.0	1278.0	991.0
3RD SMALLEST	56.0	40.0	47.0	34.0	1594.0	1352.0	1286.0	993.0
4TH SMALLEST	58.0	40.0	49.0	34.0	1597.0	1359.0	1286.0	994.0
5TH SMALLEST	62.0	40.0	50.0	35.0	1599.0	1361.0	1287.0	995.0
6TH SMALLEST	62.0	41.0	51.0	36.0	1602.0	1363.0	1287.0	997.0
7TH SMALLEST	63.0	41.0	53.0	36.0	1605.0	1363.0	1291.0	1001.0
8TH SMALLEST	63.0	41.0	54.0	37.0	1608.0	1363.0	1291.0	1001.0
9TH SMALLEST	64.0	42.0	56.0	38.0	1614.0	1365.0	1294.0	1003.0
XTH SMALLEST	64.0	42.0	56.0	39.0	1616.0	1369.0	1296.0	1005.0

XTH LARGEST	348.0	258.0	556.0	79.0	1937.0	1681.0	1606.0	1242.0
9TH LARGEST	348.0	261.0	557.0	79.0	1938.0	1682.0	1607.0	1244.0
8TH LARGEST	352.0	261.0	557.0	79.0	1938.0	1682.0	1607.0	1249.0
7TH LARGEST	354.0	262.0	557.0	79.0	1939.0	1685.0	1608.0	1249.0
6TH LARGEST	356.0	266.0	557.0	80.0	1941.0	1686.0	1610.0	1249.0
5TH LARGEST	356.0	276.0	557.0	80.0	1942.0	1688.0	1611.0	1252.0
4TH LARGEST	362.0	280.0	557.0	80.0	1944.0	1690.0	1622.0	1257.0
3RD LARGEST	372.0	284.0	557.0	81.0	1956.0	1692.0	1633.0	1260.0
2ND LARGEST	378.0	286.0	557.0	84.0	1963.0	1697.0	1638.0	1264.0
1ST LARGEST	391.0	309.0	558.0	86.0	1972.0	1702.0	1644.0	1279.0
THE MEAN VALUE	139.01	123.11	242.46	56.36	1773.43	1520.64	1452.11	1122.94
STD. DEVIATION	49.35	43.32	103.57	7.60	61.88	58.22	57.54	45.70
COFF/VARIATION	35.50	35.19	42.72	13.48	3.49	3.83	3.96	4.07
TOP	0.16	0.24	0.00	0.17	0.11	0.07	0.12	0.16
BOT	0.04	0.02	0.03	0.15	0.12	0.07	0.06	0.06
VETA ONE	1.30	0.56	0.40	0.26	0.06	0.05	0.02	0.05
VETA TWO	5.35	3.15	2.68	3.23	2.86	2.95	2.92	2.93
(N-20)-AVG EST	138.41	122.82	241.95	50.37	1773.43	1520.62	1452.10	1122.92
(N-20)-S.D.EST	48.75	43.47	104.69	7.59	62.13	58.42	57.66	45.87
PCT DIFF/MEANS	1.	1.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	1.	-0.	-1.	0.	-0.	-0.	-0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 17 THROUGH 24

	17	18	19	20	21	22	23	24
	STYLION HEIGHT	OACTYLIO N HEIGHT	SUPRASTE RNALE HGHT	NIPPLE H EIGHT	WAIST HT -OMPHALION	ILIOCRIIS TALE HT	8UITOCK HEIGHT	TROCHANT ERION HGHT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	754.0 1577	569.0 297	1265.0 145	1136.0 1635	919.0 890	942.0 1227	768.0 1635	790.0 1451
2ND SMALLEST	756.0 145	572.0 1432	1283.0 1723	1139.0 2142	928.0 1703	947.0 890	768.0 726	802.0 1227
3RD SMALLEST	757.0 1792	576.0 1824	1293.0 890	1139.0 890	929.0 2142	949.0 1635	779.0 1577	806.0 1635
4TH SMALLEST	758.0 1925	576.0 1451	1256.0 1635	1144.0 1723	930.0 1635	949.0 726	780.0 702	811.0 2236
5TH SMALLEST	758.0 1723	579.0 686	1300.0 1451	1144.0 1577	932.0 1451	951.0 1792	780.0 686	813.0 145
6TH SMALLEST	761.0 1451	580.0 1985	1301.0 1577	1146.0 504	932.0 726	954.0 2142	781.0 2236	814.0 1792
7TH SMALLEST	763.0 1340	583.0 2247	1303.0 1531	1148.0 145	936.0 2236	955.0 2236	783.0 1131	816.0 2142
8TH SMALLEST	764.0 814	583.0 1577	1304.0 2142	1154.0 1792	939.0 1792	958.0 598	786.0 1703	819.0 1131
9TH SMALLEST	765.0 1985	583.0 814	1305.0 1909	1156.0 1227	939.0 145	960.0 145	787.0 890	820.0 890
XTH SMALLEST	765.0 1909	584.0 1723	1306.0 1541	1157.0 598	942.0 504	961.0 1451	788.0 1792	824.0 726

XTH LARGEST	972.0 981	766.0 636	1603.0 224	1436.0 1274	1191.0 981	1225.0 981	1028.0 1369	1055.0 981
9TH LARGEST	973.0 2056	767.0 1413	1603.0 887	1437.0 581	1193.0 1223	1227.0 1141	1030.0 1629	1062.0 1141
8TH LARGEST	974.0 385	770.0 1223	1605.0 20	1438.0 755	1198.0 755	1227.0 1588	1032.0 2455	1065.0 133
7TH LARGEST	975.0 20	770.0 2012	1605.0 482	1443.0 2480	1198.0 1328	1228.0 755	1032.0 2483	1065.0 1274
6TH LARGEST	977.0 1223	770.0 2056	1606.0 1328	1444.0 102	1201.0 1141	1228.0 2174	1033.0 1588	1070.0 755
5TH LARGEST	982.0 966	771.0 20	1606.0 2480	1446.0 1821	1202.0 1274	1236.0 887	1036.0 709	1070.0 887
4TH LARGEST	987.0 1023	776.0 385	1609.0 1588	1447.0 482	1205.0 102	1236.0 1274	1039.0 1821	1072.0 1588
3RD LARGEST	992.0 772	779.0 968	1610.0 1023	1448.0 2174	1205.0 1588	1246.0 102	1048.0 887	1082.0 1821
2ND LARGEST	994.0 1328	785.0 1588	1612.0 1274	1459.0 1588	1206.0 1821	1246.0 1821	1059.0 102	1086.0 102
1ST LARGEST	1004.0 1588	788.0 772	1623.0 1821	1474.0 1326	1238.0 2480	1268.0 2480	1098.0 2480	1119.0 2480
THE MEAN VALUE	865.76	671.79	1451.98	1292.43	1064.69	1091.53	901.06	939.57
STO. DEVIATION	39.39	35.15	55.03	52.35	47.21	48.04	43.86	43.55
COFF/VARIATION	4.55	5.23	3.79	4.05	4.43	4.40	4.87	4.64
TOP	0.15	0.12	0.07	0.14	0.19	0.16	0.29	0.26
BOT	0.05	0.08	0.12	0.08	0.09	0.07	0.08	0.14
WETA ONE	0.12	0.11	0.07	0.08	0.04	0.05	0.16	0.08
WETA TWO	2.94	2.93	2.91	2.91	2.93	3.02	3.12	3.09
(N-20)-AVG EST	865.71	671.75	1451.98	1292.39	1064.66	1091.51	900.97	939.54
(N-20)-S.O.EST	39.51	35.30	55.20	52.47	47.32	48.03	43.77	43.46
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT OIF/ST OVS	-0.	-0.	-0.	-0.	-0.	0.	0.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 25 THROUGH 32

	25	26	27	28	29	30	31	32
	GLUTEAL FURROW HGT	CROTCH H EIGHT	PATELLA TOP HEIGHT	KNEE C HEIGHT	FIBULAR HEIGHT	CALF HEI GHT	ANKLE HEI GHT	SITTING HEIGHT
	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT	VALUE SUBJCT
1ST SMALLEST	686.0 1635	717.0 1635	441.0 2236	416.0 1792	362.0 1635	293.0 1703	104.0 1053	809.0 1909
2ND SMALLEST	686.0 686	720.0 890	443.0 1792	410.0 726	366.0 726	293.0 1227	105.0 254	834.0 1928
3RD SMALLEST	694.0 726	721.0 1577	440.0 1792	420.0 2236	374.0 686	294.0 1753	108.0 2418	837.0 297
4TH SMALLEST	655.0 890	725.0 1703	448.0 726	421.0 1635	374.0 294	294.0 1635	108.0 1294	840.0 1098
5TH SMALLEST	697.0 2236	732.0 1227	453.0 1594	422.0 562	377.0 2236	294.0 722	110.0 2463	843.0 2247
6TH SMALLEST	697.0 1792	734.0 60	454.0 1635	423.0 1227	377.0 1703	294.0 366	110.0 1577	843.0 1418
7TH SMALLEST	698.0 1703	739.0 35	454.0 598	423.0 598	377.0 1227	296.0 726	110.0 1474	848.0 1321
8TH SMALLEST	699.0 1131	740.0 2236	455.0 1340	427.0 145	377.0 831	298.0 890	110.0 1004	848.0 608
9TH SMALLEST	700.0 504	741.0 2021	456.0 1131	429.0 1131	378.0 890	299.0 1160	111.0 1895	849.0 2121
XTH SMALLEST	702.0 1227	741.0 831	457.0 1723	430.0 1703	378.0 145	300.0 145	111.0 1844	851.0 1723

XTH LARGEST	919.0 1629	961.0 1472	557.0 2455	565.0 1483	502.0 755	417.0 224	168.0 820	1015.0 884
9TH LARGEST	923.0 2455	965.0 755	559.0 224	565.0 1629	504.0 102	419.0 31	170.0 752	1017.0 2359
8TH LARGEST	924.0 1821	972.0 1629	555.0 887	566.0 2455	507.0 438	419.0 2455	170.0 1415	1019.0 1535
7TH LARGEST	925.0 2230	972.0 2224	601.0 31	567.0 1588	507.0 2455	424.0 1472	172.0 215	1022.0 1210
6TH LARGEST	929.0 1588	979.0 1588	601.0 231	568.0 231	508.0 133	424.0 1821	173.0 133	1025.0 1023
5TH LARGEST	937.0 1274	981.0 1274	603.0 755	571.0 887	508.0 1274	427.0 1274	174.0 876	1025.0 1253
4TH LARGEST	941.0 887	985.0 102	605.0 1274	572.0 102	512.0 31	428.0 1588	175.0 125	1025.0 2056
3RD LARGEST	943.0 755	986.0 887	606.0 102	575.0 1274	513.0 1821	429.0 1328	175.0 111	1035.0 1405
2ND LARGEST	947.0 102	999.0 1821	607.0 1821	577.0 1821	514.0 1588	439.0 133	176.0 727	1037.0 1392
1ST LARGEST	986.0 2480	1035.0 2480	612.0 2480	586.0 2480	546.0 2480	447.0 2480	180.0 711	1048.0 20
THE MEAN VALUE	811.15	850.71	526.16	496.46	438.68	355.52	137.17	931.84
STD. DEVIATION	40.07	41.50	25.56	24.88	22.51	22.23	11.47	31.76
COEFF/VARIATION	4.94	4.88	4.86	5.01	5.13	6.25	8.36	3.41
TOP	0.31	0.34	0.11	0.16	0.35	0.26	0.21	0.20
80T	0.07	0.11	0.11	0.10	0.13	0.06	0.12	0.26
VETA ONE	0.10	0.09	0.10	0.11	0.14	0.13	0.36	0.09
VETA TWO	3.10	3.08	3.05	3.06	3.17	2.95	2.96	2.97
(N-20)-AVG EST	811.11	850.66	526.15	496.46	438.64	355.47	137.14	931.82
(N-20)-S.0-EST	39.98	41.38	25.54	24.86	22.43	22.22	11.50	31.76
PCT OIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT OIF/ST DVS	0.	0.	0.	0.	0.	0.	-0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 33 THROUGH 40

	33	34	35	36	37	38	39	40
	EYE HEIG HT/SITTING VALUE	MIDSHOUL DER HT/SIT VALUE	ACROMION H GHT/SIT VALUE	ELBOW RE ST HGTSIT VALUE	KNEE HEI GHT/SIT VALUE	POPLITEA L HGHT/SIT VALUE	BUTTOCK- KNEE LGTH VALUE	BUTTOCK- POPLITEAL VALUE
1ST SMALLEST	685.0	540.0	496.0	157.0	477.0	365.0	518.0	425.0
2ND SMALLEST	716.0	557.0	519.0	165.0	480.0	367.0	521.0	426.0
3RD SMALLEST	720.0	559.0	524.0	165.0	482.0	368.0	523.0	427.0
4TH SMALLEST	723.0	565.0	527.0	170.0	483.0	369.0	525.0	427.0
5TH SMALLEST	723.0	565.0	528.0	172.0	484.0	371.0	525.0	428.0
6TH SMALLEST	726.0	569.0	525.0	172.0	484.0	372.0	525.0	431.0
7TH SMALLEST	730.0	571.0	532.0	173.0	487.0	372.0	527.0	433.0
8TH SMALLEST	731.0	573.0	532.0	177.0	489.0	374.0	529.0	435.0
9TH SMALLEST	734.0	573.0	534.0	179.0	490.0	378.0	530.0	437.0
XTH SMALLEST	736.0	574.0	535.0	181.0	490.0	379.0	535.0	437.0

XTH LARGEST	893.0	722.0	691.0	320.0	626.0	499.0	681.0	576.0
9TH LARGEST	893.0	723.0	692.0	323.0	626.0	500.0	682.0	576.0
8TH LARGEST	896.0	723.0	692.0	324.0	628.0	501.0	684.0	577.0
7TH LARGEST	897.0	725.0	693.0	326.0	629.0	501.0	684.0	577.0
6TH LARGEST	897.0	727.0	697.0	327.0	630.0	502.0	685.0	577.0
5TH LARGEST	900.0	728.0	698.0	328.0	631.0	504.0	687.0	580.0
4TH LARGEST	900.0	729.0	698.0	330.0	631.0	504.0	687.0	585.0
3RD LARGEST	902.0	734.0	699.0	338.0	639.0	506.0	688.0	586.0
2ND LARGEST	903.0	739.0	713.0	340.0	641.0	508.0	695.0	590.0
1ST LARGEST	910.0	746.0	714.0	351.0	642.0	512.0	696.0	598.0
THE MEAN VALUE	809.50	645.94	610.53	251.64	557.64	437.02	604.03	503.75
STD. DEVIATION	30.16	27.40	28.54	26.06	24.95	22.46	27.02	25.78
COEFF./VARIATION	3.73	4.24	4.67	10.36	4.47	5.14	4.47	5.12
••TOP••	0.11	0.16	0.15	0.22	0.12	0.11	0.10	0.16
••BOT••	0.32	0.23	0.25	0.17	0.10	0.12	0.12	0.09
VETA ONE	0.13	0.08	0.09	0.05	0.09	0.06	0.13	0.08
VETA TWO	3.06	3.07	3.11	3.12	3.02	3.00	3.09	3.00
(N-20)-AVG EST	809.49	645.93	610.52	251.65	557.63	437.02	604.01	503.73
(N-20)-S.D.EST	30.17	27.36	28.47	25.98	24.94	22.47	27.01	25.79
PCT DIFF/MEANS	0.	0.	0.	-0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	0.	0.	-0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 41 THROUGH 48

	41	42	43	44	45	46	47	48
	ACRM-BIC	SHOULDER	ACROMION	ELBOW-WR	RADIALE-	ELBOW-GR	THUMB-TI	THUMB-TI
	EP CIR LVL	-ELBOW LTH	-RADIALE L	IST LENGTH	STYLION LH	IP LENGTH	P REACH	P R CH/XTD
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	139.0 216.0	307.0 504	272.0 564	256.0 2236	225.0 1635	297.0 1635	666.0 831	754.0 1595
2ND SMALLEST	142.0 1542	310.0 530	276.0 2457	256.0 1131	226.0 890	298.0 890	675.0 375	757.0 298
3RD SMALLEST	146.0 908	311.0 2180	277.0 1635	257.0 1792	229.0 2236	301.0 1792	684.0 1817	759.0 1863
4TH SMALLEST	148.0 65	311.0 2031	279.0 2160	258.0 890	229.0 375	302.0 1703	684.0 1242	760.0 1242
5TH SMALLEST	147.0 410	311.0 1635	279.0 1038	259.0 145	229.0 145	305.0 1723	686.0 1595	775.0 700
6TH SMALLEST	148.0 1228	312.0 2457	282.0 1723	261.0 1723	230.0 2240	306.0 1242	688.0 700	778.0 890
7TH SMALLEST	149.0 749	312.0 1038	282.0 890	261.0 504	230.0 2003	307.0 2236	703.0 1863	779.0 2062
8TH SMALLEST	150.0 2256	314.0 2098	283.0 55	262.0 1635	230.0 1961	307.0 504	703.0 1131	781.0 1577
9TH SMALLEST	150.0 704	316.0 145	284.0 704	264.0 1703	230.0 1577	309.0 1923	703.0 686	782.0 1397
XTH SMALLEST	151.0 1531	316.0 95	284.0 426	264.0 1108	231.0 1594	310.0 1215	703.0 145	783.0 1594

XTH LARGEST	232.0 617	408.0 276	375.0 755	341.0 102	307.0 1683	396.0 78	912.0 1104	1017.0 2213
9TH LARGEST	232.0 1291	408.0 1821	375.0 1630	341.0 224	309.0 102	396.0 1629	915.0 1198	1019.0 1367
8TH LARGEST	232.0 1472	409.0 140	376.0 623	342.0 565	309.0 224	397.0 224	917.0 803	1021.0 2224
7TH LARGEST	233.0 755	409.0 755	376.0 2066	342.0 1415	309.0 2060	397.0 2014	918.0 1016	1022.0 856
6TH LARGEST	236.0 1684	411.0 128	379.0 224	342.0 1472	309.0 2123	398.0 2230	920.0 224	1027.0 482
5TH LARGEST	236.0 2220	415.0 102	381.0 1629	342.0 1629	311.0 1162	400.0 102	925.0 1210	1029.0 1048
4TH LARGEST	237.0 1057	415.0 224	381.0 2230	343.0 981	312.0 109	401.0 231	927.0 939	1030.0 20
3RD LARGEST	238.0 1422	415.0 1629	384.0 102	346.0 1274	312.0 1274	401.0 1967	929.0 30	1044.0 24
2ND LARGEST	239.0 772	420.0 231	385.0 1472	346.0 1361	313.0 78	402.0 1361	956.0 231	1048.0 31
1ST LARGEST	240.0 1282	427.0 1141	393.0 1141	347.0 231	314.0 231	405.0 655	958.0 31	1049.0 939
THE MEAN VALUE	190.06	359.49	329.46	299.94	268.83	352.05	803.08	895.88
STD. DEVIATION	15.04	17.13	17.00	14.11	14.21	16.17	39.80	45.10
COEFF/VARIATION	7.91	4.76	5.16	4.71	5.29	4.59	4.96	5.03
••TOP••	0.10	0.20	0.20	0.08	0.09	0.10	0.22	0.14
••BOT••	0.15	0.10	0.13	0.10	0.08	0.15	0.18	0.12
VETA ONE	0.05	0.11	0.05	0.10	0.05	0.09	0.14	0.13
VETA TWO	3.02	2.95	3.02	3.06	2.93	2.96	3.14	3.05
(N-20)-AVG EST	190.05	359.46	329.45	299.93	268.82	352.05	803.03	895.84
(N-20)-S.0.EST	15.04	17.12	16.59	14.11	14.25	16.18	39.74	45.19
PCT DIFF/MEANS	0.	0.	0.	0.	0.	-0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	-0.	-0.	-0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL OATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 49 THROUGH 56

	49	50	51	52	53	54	55	56
	SLEEVE I NSEAM	BIACROMI AL BREADTH	BIDELTOI O BREADTH	CHEST BR EADTH	WAIST BR DTH-OMPH N	BICRISTA LE BREAOTH	HIP BREA DTH	HIP BREA DTH
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	399.0	340.0	400.0	260.0	235.0	200.0	287.0	312.0
2ND SMALLEST	403.0	343.0	407.0	272.0	241.0	200.0	294.0	315.0
3RD SMALLEST	406.0	346.0	407.0	273.0	243.0	208.0	296.0	316.0
4TH SMALLEST	408.0	347.0	408.0	275.0	246.0	210.0	298.0	317.0
5TH SMALLEST	408.0	348.0	409.0	275.0	248.0	210.0	298.0	320.0
6TH SMALLEST	411.0	349.0	413.0	276.0	250.0	213.0	302.0	321.0
7TH SMALLEST	412.0	349.0	413.0	279.0	250.0	216.0	303.0	321.0
8TH SMALLEST	415.0	349.0	413.0	279.0	252.0	217.0	305.0	321.0
9TH SMALLEST	416.0	350.0	416.0	280.0	253.0	219.0	305.0	321.0
XTH SMALLEST	417.0	350.0	417.0	280.0	253.0	220.0	306.0	322.0

XTH LARGEST	550.0	463.0	552.0	392.0	380.0	335.0	410.0	446.0
9TH LARGEST	560.0	465.0	553.0	392.0	382.0	336.0	414.0	446.0
8TH LARGEST	561.0	465.0	554.0	393.0	383.0	337.0	414.0	447.0
7TH LARGEST	562.0	465.0	557.0	393.0	383.0	338.0	416.0	449.0
6TH LARGEST	562.0	465.0	558.0	393.0	385.0	340.0	416.0	454.0
5TH LARGEST	564.0	467.0	560.0	395.0	395.0	340.0	416.0	455.0
4TH LARGEST	565.0	470.0	562.0	400.0	395.0	341.0	417.0	460.0
3RD LARGEST	567.0	471.0	562.0	405.0	399.0	342.0	423.0	463.0
2ND LARGEST	569.0	471.0	563.0	410.0	417.0	352.0	431.0	475.0
1ST LARGEST	578.0	474.0	567.0	415.0	440.0	352.0	446.0	478.0
THE MEAN VALUE	485.37	407.30	482.42	327.85	309.59	279.24	352.67	377.95
STO. DEVIATION	25.65	19.42	25.64	21.17	23.89	20.45	18.85	23.01
COFF./VARIATION	5.28	4.77	5.31	6.46	7.72	7.32	5.34	6.09
TOP	0.16	0.10	0.11	0.21	0.47	0.15	0.35	0.26
BOT	0.13	0.09	0.13	0.18	0.14	0.17	0.18	0.08
VETA ONE	0.08	-0.07	0.11	0.34	0.33	-0.12	0.28	0.30
VETA TWO	3.04	3.19	2.98	3.24	3.60	3.49	3.57	3.32
(N-20)-AVG EST	485.35	407.30	482.41	327.77	309.49	279.26	352.61	377.86
(N-20)-S.D. EST	25.60	19.34	25.68	21.16	23.74	20.32	18.70	22.94
PCT DIFF/MEANS	0.	0.	0.	0.	0.	-0.	0.	0.
PCT DIF/ST OVS	0.	0.	-0.	0.	1.	1.	1.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 57 THROUGH 64

	57	58	59	60	61	62	63	64
	ELBOW 8R DTH 8ONE/R VALUE SBJCT	ELBOW 8R DTH 8ONE/L VALUE SBJCT	F ARM-F ARM 8R DTH VALUE SBJCT	KNEE 8R GTH 8CNE/R VALUE SBJCT	KNEE 8R DTH 8ONE/L VALUE SBJCT	CHEST DE PTH VALUE SBJCT	MAIST DE PTH-OMPH N VALUE SBJCT	BUTTOCK DEPTH VALUE SBJCT
1ST SMALLEST	59.0 1699	59.0 1699	410.0 2222	85.0 1426	86.0 1577	191.0 1467	164.0 2222	171.0 1559
2ND SMALLEST	60.0 1347	59.0 726	425.0 1062	86.0 598	86.0 1426	192.0 300	167.0 640	179.0 831
3RD SMALLEST	60.0 198	60.0 1250	441.0 1977	87.0 1824	86.0 598	195.0 1681	169.0 2290	182.0 2222
4TH SMALLEST	60.0 192	61.0 1594	441.0 1370	87.0 1723	87.0 1824	196.0 2291	170.0 2291	182.0 435
5TH SMALLEST	61.0 1456	61.0 1347	442.0 59	87.0 1705	87.0 1723	196.0 2222	170.0 1617	183.0 1661
6TH SMALLEST	61.0 1339	61.0 339	445.0 1400	88.0 1701	87.0 1705	196.0 1818	170.0 1559	183.0 640
7TH SMALLEST	61.0 726	61.0 209	445.0 831	88.0 1577	88.0 1642	197.0 1940	170.0 1400	184.0 1062
8TH SMALLEST	61.0 445	61.0 65	448.0 1347	88.0 1347	88.0 1418	197.0 1723	170.0 480	185.0 2397
9TH SMALLEST	61.0 358	62.0 1266	449.0 817	88.0 1311	88.0 1347	199.0 2280	171.0 1901	186.0 1197
XTH SMALLEST	61.0 281	62.0 1258	451.0 1940	88.0 1162	88.0 1339	199.0 1825	171.0 1239	187.0 128

XTH LARGEST	81.0 1210	81.0 98	649.0 537	112.0 700	112.0 534	302.0 2470	289.0 1248	297.0 877
9TH LARGEST	81.0 1465	81.0 140	650.0 700	112.0 728	112.0 700	303.0 44	290.0 144	297.0 916
8TH LARGEST	81.0 1546	81.0 201	650.0 2356	112.0 784	112.0 728	305.0 155	290.0 692	300.0 692
7TH LARGEST	81.0 1696	81.0 728	652.0 2472	113.0 823	113.0 823	305.0 1104	290.0 810	300.0 2073
6TH LARGEST	81.0 1869	81.0 1696	656.0 1624	113.0 1233	113.0 916	305.0 1782	291.0 2100	302.0 2033
5TH LARGEST	82.0 68	81.0 1758	656.0 1953	113.0 1797	113.0 1024	305.0 2483	293.0 179	306.0 98
4TH LARGEST	82.0 1758	81.0 1821	664.0 1308	114.0 2033	113.0 1529	310.0 98	296.0 122	306.0 700
3RD LARGEST	82.0 2284	82.0 1210	672.0 1090	115.0 516	113.0 2033	311.0 122	256.0 772	311.0 910
2ND LARGEST	82.0 2425	83.0 233	673.0 254	115.0 1208	116.0 565	312.0 669	313.0 1612	314.0 772
1ST LARGEST	83.0 98	83.0 1869	708.0 98	116.0 565	117.0 1208	316.0 1655	336.0 669	338.0 669
THE MEAN VALUE	70.83	70.95	543.25	99.75	99.61	245.22	223.06	239.72
STD. DEVIATION	3.60	3.50	37.84	4.49	4.51	19.29	21.80	20.53
COFF/VARIATION	5.09	4.93	6.97	4.51	4.53	7.87	9.78	8.56
TOP	0.10	0.11	0.30	0.17	0.21	0.14	0.40	0.37
80T	0.10	0.16	0.21	0.13	0.08	0.08	0.06	0.15
VETA ONE	-0.00	-0.00	0.13	0.15	0.14	0.12	0.37	0.19
VETA TWO	3.01	3.04	3.02	3.06	3.06	2.98	3.37	3.13
(N-20)-AVG EST	70.82	70.95	543.18	99.75	99.60	245.16	222.97	239.68
(N-20)-S.D.-EST	3.61	3.49	37.82	4.50	4.51	19.31	21.76	20.46
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	-0.	-0.	-0.	0.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 65 THROUGH 72

	65	66	67	68	69	70	71	72
	THIGH CL	NECK CIR	SHOULDER	CHEST CI	CHEST CI	MAIST CI	MAIST CI	BUTTOCK
	EARANCE HT	C -MAXIMUM	CIRCUM CE	RC AT SCYE	RCUMF ENCE	R-OMPHAL N	R-OMPH/SIT	CIRCUMF CE
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	125.0 831	327.0 1426	958.0 1370	794.0 2222	777.0 2222	681.0 640	668.0 2222	814.0 640
2ND SMALLEST	125.0 640	328.0 2313	1006.0 724	846.0 1468	815.0 1617	682.0 2222	676.0 1617	823.0 2280
3RD SMALLEST	127.0 1467	333.0 264	1008.0 874	847.0 1617	823.0 2397	690.0 1617	680.0 640	827.0 1977
4TH SMALLEST	127.0 128	334.0 2471	1008.0 264	849.0 300	823.0 300	694.0 1426	684.0 2290	840.0 2290
5TH SMALLEST	128.0 1400	336.0 1475	1010.0 504	866.0 1475	824.0 1062	695.0 831	694.0 1426	846.0 831
6TH SMALLEST	129.0 793	336.0 1072	1011.0 1468	868.0 2291	827.0 2471	697.0 2290	695.0 1162	847.0 1142
7TH SMALLEST	129.0 691	336.0 449	1019.0 2222	868.0 1062	828.0 2071	705.0 2397	697.0 2239	851.0 546
8TH SMALLEST	130.0 724	337.0 729	1021.0 449	869.0 1732	832.0 1072	705.0 1340	698.0 527	853.0 1400
9TH SMALLEST	130.0 413	338.0 2288	1023.0 1400	870.0 2471	833.0 2291	706.0 2239	702.0 1439	854.0 1468
XTH SMALLEST	130.0 300	338.0 1723	1024.0 1226	870.0 1008	835.0 2399	706.0 527	704.0 2439	854.0 1370

XTH LARGEST	203.0 1128	440.0 810	1341.0 365	1192.0 2049	1174.0 732	1082.0 1248	1085.0 845	1148.0 910
9TH LARGEST	203.0 1367	443.0 2336	1342.0 884	1194.0 365	1178.0 1624	1086.0 692	1099.0 86	1153.0 1128
8TH LARGEST	203.0 1782	443.0 2413	1342.0 1535	1200.0 580	1178.0 2033	1087.0 2087	1103.0 122	1156.0 254
7TH LARGEST	204.0 1953	444.0 1113	1344.0 155	1202.0 628	1188.0 1612	1103.0 2100	1104.0 700	1158.0 649
6TH LARGEST	206.0 877	444.0 1537	1344.0 1953	1202.0 2100	1196.0 155	1124.0 122	1107.0 810	1158.0 692
5TH LARGEST	210.0 700	446.0 40	1351.0 916	1212.0 57	1208.0 669	1128.0 700	1112.0 916	1165.0 916
4TH LARGEST	211.0 1489	447.0 977	1353.0 98	1215.0 98	1210.0 1782	1146.0 1612	1113.0 2081	1165.0 1413
3RD LARGEST	213.0 2033	448.0 2073	1353.0 2116	1219.0 1782	1211.0 2100	1147.0 916	1133.0 772	1195.0 772
2ND LARGEST	215.0 669	449.0 31	1367.0 122	1239.0 122	1213.0 122	1184.0 772	1170.0 1612	1200.0 700
1ST LARGEST	217.0 2116	450.0 1027	1367.0 2033	1243.0 155	1214.0 98	1246.0 669	1280.0 669	1244.0 669
THE MEAN VALUE								
	165.28	383.41	1176.93	1022.56	985.51	876.01	874.07	586.19
STO. DEVIATION								
	13.79	19.08	58.18	60.67	63.52	73.84	74.92	55.11
COFF/VARIATION								
	8.35	4.98	4.94	5.93	6.44	8.43	8.57	5.59
TOP								
	0.19	0.10	0.08	0.16	0.12	0.44	0.51	0.33
BOT								
	0.07	0.11	0.08	0.24	0.17	0.07	0.09	0.14
VETA ONE								
	0.13	0.29	0.12	0.11	0.24	0.26	0.29	0.21
VETA TWO								
	3.02	3.18	3.04	3.05	3.07	3.23	3.32	3.25
(N-20)-AVG EST								
	165.26	383.36	1176.89	1022.47	985.31	875.09	873.77	986.01
(N-20)-S.D.EST								
	13.80	19.09	58.27	60.67	63.47	73.68	74.80	54.94
PCT DIFF/MEANS								
	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST OVS								
	-0.	-0.	-0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE								
	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 73 THROUGH 80

	73	74	75	76	77	78	79	80
	BUTTOCK	VERTICAL	VERT TRU	SCROTALE	SCROTALE	SCRTL-SU	SCRTL-SU	SCRTL-AN
	CIRCUM/SIT	TRUNK CIR	NK CIR/SIT	-ANT WAIST	-A WAIST/S	PRASTERNLE	PRSTRNLE/S	T SCYE LVL
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	868.0	1426.0	1371.0	226.0	200.0	599.0	525.0	431.0
2ND SMALLEST	879.0	1440.0	1378.0	226.0	203.0	600.0	539.0	444.0
3RD SMALLEST	907.0	1471.0	1394.0	227.0	205.0	600.0	540.0	450.0
4TH SMALLEST	909.0	1476.0	1396.0	228.0	205.0	601.0	541.0	452.0
5TH SMALLEST	909.0	1484.0	1408.0	228.0	205.0	603.0	545.0	458.0
6TH SMALLEST	912.0	1488.0	1418.0	228.0	207.0	606.0	549.0	460.0
7TH SMALLEST	913.0	1492.0	1420.0	231.0	208.0	606.0	553.0	463.0
8TH SMALLEST	914.0	1492.0	1425.0	232.0	209.0	606.0	555.0	463.0
9TH SMALLEST	914.0	1494.0	1428.0	232.0	210.0	608.0	556.0	463.0
XTH SMALLEST	915.0	1495.0	1432.0	233.0	210.0	608.0	558.0	465.0

XTH LARGEST	1272.0	1883.0	1807.0	345.0	302.0	787.0	722.0	627.0
9TH LARGEST	1277.0	1886.0	1808.0	346.0	304.0	788.0	726.0	628.0
8TH LARGEST	1283.0	1890.0	1812.0	347.0	305.0	790.0	729.0	630.0
7TH LARGEST	1285.0	1891.0	1813.0	349.0	305.0	794.0	732.0	630.0
6TH LARGEST	1285.0	1898.0	1818.0	350.0	305.0	795.0	736.0	630.0
5TH LARGEST	1285.0	1901.0	1826.0	350.0	308.0	801.0	737.0	635.0
4TH LARGEST	1287.0	1932.0	1826.0	352.0	310.0	806.0	738.0	640.0
3RD LARGEST	1325.0	1943.0	1830.0	355.0	310.0	814.0	740.0	641.0
2ND LARGEST	1327.0	1949.0	1836.0	355.0	310.0	815.0	750.0	641.0
1ST LARGEST	1411.0	1975.0	1856.0	363.0	317.0	822.0	755.0	641.0
THE MEAN VALUE								
	1076.38	1680.72	1613.06	284.17	254.34	688.29	635.65	537.93
STD. DEVIATION								
	67.45	71.61	69.50	20.55	16.94	34.14	29.99	31.34
COFF/VARIATION								
	6.27	4.26	4.31	7.23	6.66	4.96	4.72	5.83
TOP								
	0.39	0.24	0.13	0.16	0.16	0.20	0.20	0.09
BOT								
	0.13	0.18	0.16	0.06	0.11	0.05	0.20	0.21
VETA ONE								
	0.29	0.18	0.15	0.27	0.13	0.28	0.15	0.26
VETA TWO								
	3.25	3.26	3.06	3.12	2.99	3.02	3.19	2.99
(N-20)-AVG EST								
	1076.16	1680.60	1613.04	284.12	254.32	688.18	635.60	537.88
(N-20)-S.D.EST								
	67.34	71.35	69.42	20.53	16.92	34.16	29.80	31.41
PCT DIFF/MEANS								
	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS								
	0.	0.	0.	0.	0.	-0.	1.	-0.
SIZE OF SAMPLE								
	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 81 THROUGH 88

	81	82	83	84	85	86	87	88
	SCRTL-AN	SCRTL-A	SCRTL-A	SCRTALE	SCRTL-WA	SCRTALE	SCRTL-WA	SCRTALE
	T SCYE L/S	MIDSHOULDR	MDSHLDR/S	-PST WAIST	IST OVR BK	-P WAIST/S	IST/BUTT/S	-CERVICALE
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	366.0	664.0	597.0	256.0	336.0	266.0	293.0	697.0
2ND SMALLEST	392.0	665.0	598.0	263.0	339.0	271.0	296.0	698.0
3RD SMALLEST	392.0	673.0	620.0	268.0	341.0	273.0	300.0	715.0
4TH SMALLEST	397.0	673.0	625.0	273.0	341.0	276.0	305.0	715.0
5TH SMALLEST	399.0	675.0	632.0	276.0	342.0	277.0	305.0	715.0
6TH SMALLEST	400.0	676.0	633.0	279.0	346.0	278.0	305.0	716.0
7TH SMALLEST	401.0	678.0	634.0	279.0	347.0	279.0	307.0	719.0
8TH SMALLEST	403.0	679.0	635.0	279.0	348.0	280.0	310.0	719.0
9TH SMALLEST	404.0	682.0	635.0	280.0	348.0	282.0	316.0	721.0
XTH SMALLEST	406.0	682.0	635.0	280.0	349.0	282.0	319.0	722.0

XTH LARGEST	565.0	882.0	815.0	434.0	511.0	455.0	473.0	932.0
9TH LARGEST	565.0	884.0	813.0	436.0	513.0	455.0	475.0	933.0
8TH LARGEST	565.0	884.0	814.0	436.0	515.0	455.0	477.0	935.0
7TH LARGEST	567.0	885.0	816.0	436.0	516.0	459.0	478.0	936.0
6TH LARGEST	570.0	887.0	817.0	439.0	520.0	460.0	483.0	936.0
5TH LARGEST	572.0	899.0	825.0	441.0	522.0	460.0	487.0	936.0
4TH LARGEST	575.0	900.0	830.0	444.0	523.0	462.0	487.0	940.0
3RD LARGEST	575.0	901.0	832.0	444.0	523.0	464.0	490.0	944.0
2ND LARGEST	578.0	903.0	833.0	447.0	527.0	474.0	496.0	947.0
1ST LARGEST	580.0	914.0	838.0	448.0	531.0	503.0	524.0	965.0
THE MEAN VALUE	484.72	773.50	723.52	353.39	426.12	365.47	395.21	826.26
STD. DEVIATION	29.56	37.27	32.86	29.18	30.14	31.15	29.24	39.58
COFF/VARIATION	6.10	4.82	4.54	8.26	7.07	8.52	7.40	4.79
TOP	0.09	0.16	0.14	0.09	0.12	0.28	0.33	0.16
BOT	0.25	0.09	0.21	0.16	0.08	0.09	0.17	0.12
VETA ONE	0.10	0.22	0.07	0.13	0.18	0.05	0.06	0.06
VETA TWO	2.96	3.07	3.13	3.02	3.08	3.14	3.16	2.90
(N-20)-AVG EST	484.73	773.41	723.51	353.36	426.07	365.43	395.20	826.25
(N-20)-S.D.EST	29.55	37.27	32.79	29.25	30.16	31.08	29.11	39.67
PCT DIFF/MEANS	-0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	0.	-0.	-0.	0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 89 THROUGH 96

	89	90	91	92	93	94	95	96
	SCROTALE	SCRTL-PS	SCRTL-PS	SCRTL-P	SCRTL-MO	SCRTL-P	SCRTL-MO	UPPER TH
	-CERVICLE/S	T SCYE LVL	T SCYE L/S	MIDSHGLDR	SHLD OVR B	MOSHLDR/S	SHLO O R/S	IGH CIRCUM
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	712.0 964	518.0 1925	526.0 1170	725.0 2340	782.0 297	741.0 1170	755.0 2399	457.0 1467
2ND SMALLEST	728.0 145	518.0 1531	530.0 964	734.0 1925	785.0 1451	741.0 971	760.0 971	457.0 724
3RD SMALLEST	729.0 1170	520.0 2121	535.0 1426	735.0 2399	789.0 2340	742.0 964	761.0 145	461.0 1661
4TH SMALLEST	732.0 2161	523.0 896	540.0 2399	736.0 1475	793.0 1925	747.0 145	767.0 2280	463.0 1062
5TH SMALLEST	733.0 2399	525.0 2395	546.0 2250	739.0 449	797.0 1468	751.0 1426	767.0 1239	470.0 128
6TH SMALLEST	740.0 2098	525.0 1438	546.0 2212	741.0 1531	798.0 2496	752.0 2399	768.0 1426	472.0 640
7TH SMALLEST	741.0 2397	527.0 297	547.0 1279	741.0 297	798.0 640	756.0 2121	775.0 2290	473.0 2372
8TH SMALLEST	742.0 2212	530.0 1475	547.0 895	742.0 1723	802.0 2121	760.0 2098	776.0 964	473.0 2280
9TH SMALLEST	743.0 1426	530.0 336	548.0 2146	744.0 2121	804.0 2399	763.0 2212	778.0 2098	476.0 2290
XTH SMALLEST	743.0 1279	531.0 1723	549.0 2352	752.0 1098	806.0 1723	763.0 895	781.0 2340	477.0 831

XTH LARGEST	950.0 1316	715.0 83	742.0 910	566.0 772	1027.0 884	588.0 1260	1006.0 201	718.0 649
9TH LARGEST	950.0 1953	715.0 574	743.0 1683	966.0 884	1027.0 1128	588.0 2090	1007.0 2425	721.0 2033
8TH LARGEST	950.0 2016	716.0 1153	745.0 144	568.0 1519	1030.0 1141	991.0 201	1010.0 1744	722.0 254
7TH LARGEST	951.0 201	719.0 872	747.0 806	570.0 1669	1032.0 1413	991.0 1316	1012.0 736	723.0 1612
6TH LARGEST	956.0 806	720.0 1905	751.0 69	571.0 700	1035.0 1905	991.0 1535	1012.0 772	727.0 365
5TH LARGEST	960.0 1537	720.0 2273	751.0 1027	571.0 1128	1038.0 31	992.0 772	1012.0 1316	728.0 403
4TH LARGEST	962.0 1260	722.0 1128	753.0 1535	577.0 120	1038.0 120	995.0 31	1015.0 31	732.0 1489
3RD LARGEST	968.0 1561	722.0 1519	761.0 1537	587.0 31	1041.0 669	996.0 1683	1016.0 2090	747.0 700
2ND LARGEST	983.0 2425	723.0 520	762.0 2425	990.0 83	1042.0 83	997.0 2425	1018.0 1260	747.0 772
1ST LARGEST	988.0 83	742.0 669	780.0 83	993.0 665	1044.0 816	1043.0 83	1055.0 83	755.0 669
THE MEAN VALUE	844.53	621.61	645.69	853.34	914.46	873.00	892.65	588.15
STD. DEVIATION	39.68	35.60	35.51	40.58	41.54	41.87	41.06	44.32
COFF/VARIATION	4.70	5.73	5.56	4.76	4.54	4.80	4.60	7.54
TOP	0.18	0.15	0.20	0.13	0.08	0.24	0.22	0.17
80	0.15	0.07	0.12	0.13	0.11	0.10	0.12	0.08
VEA ONE	0.04	0.03	0.11	0.11	0.11	0.08	0.06	0.11
VEA TWO	2.94	2.87	3.02	2.90	2.89	3.01	3.00	3.17
(N-20)-AVG EST	844.50	621.59	645.67	853.31	914.45	872.99	892.65	588.05
(N-20)-S.O.EST	39.77	35.78	35.51	40.61	41.62	41.88	40.99	44.27
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	-0.	0.
PCT OIF/ST DVS	-0.	-0.	-0.	-0.	-0.	-0.	0.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 97 THROUGH 104

	97	98	99	100	101	102	103	104
	UPPER TH	KNEE CIR	KNEE CIR	CALF CIR	CALF CIR	ANKLE CI	SCYE CIR	BICEPS C
	IGH C/SIT	CUMFERENCE	CUM CE/SIT	CUMF/RIGHT	CUMF/LEFT	RCUMF FNCE	CUMFERENCE	-EXTEND/RT
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	445.0	315.0	335.0	302.0	299.0	182.0	406.0	232.0
2ND SMALLEST	449.0	323.0	335.0	303.0	300.0	184.0	406.0	242.0
3RD SMALLEST	452.0	326.0	335.0	304.0	301.0	185.0	407.0	244.0
4TH SMALLEST	457.0	326.0	336.0	308.0	305.0	187.0	408.0	246.0
5TH SMALLEST	457.0	330.0	337.0	308.0	309.0	188.0	409.0	247.0
6TH SMALLEST	463.0	331.0	337.0	311.0	311.0	190.0	409.0	248.0
7TH SMALLEST	464.0	332.0	337.0	311.0	312.0	190.0	410.0	248.0
8TH SMALLEST	466.0	332.0	340.0	311.0	312.0	191.0	410.0	248.0
9TH SMALLEST	468.0	332.0	340.0	312.0	313.0	191.0	411.0	245.0
XTH SMALLEST	469.0	334.0	342.0	313.0	314.0	192.0	414.0	251.0

XTH LARGEST	700.0	445.0	457.0	440.0	433.0	261.0	559.0	373.0
9TH LARGEST	701.0	445.0	459.0	440.0	434.0	261.0	560.0	375.0
8TH LARGEST	704.0	448.0	460.0	442.0	437.0	261.0	562.0	375.0
7TH LARGEST	705.0	452.0	460.0	445.0	437.0	262.0	562.0	375.0
6TH LARGEST	709.0	452.0	463.0	445.0	440.0	263.0	563.0	375.0
5TH LARGEST	711.0	455.0	467.0	447.0	441.0	263.0	565.0	378.0
4TH LARGEST	711.0	461.0	468.0	450.0	443.0	265.0	566.0	375.0
3RD LARGEST	717.0	461.0	468.0	451.0	450.0	265.0	572.0	380.0
2ND LARGEST	724.0	462.0	474.0	451.0	450.0	266.0	576.0	385.0
1ST LARGEST	734.0	482.0	486.0	452.0	452.0	267.0	594.0	388.0
THE MEAN VALUE	578.75	386.76	393.00	371.93	369.31	224.12	483.60	307.86
STD. DEVIATION	42.67	20.74	21.23	22.69	22.29	12.63	27.85	23.36
COFF/VARIATION	7.37	5.36	5.40	6.10	6.03	5.64	5.76	7.59
TOP	0.15	0.33	0.25	0.09	0.16	0.09	0.24	0.12
BOT	0.10	0.17	0.06	0.09	0.13	0.14	0.06	0.16
VETA ONE	0.06	0.19	0.30	0.11	0.13	0.19	0.08	0.12
VETA TWO	3.13	3.28	3.22	3.08	3.16	3.12	3.00	3.00
(N-20)-AVG EST	578.69	386.72	392.92	371.89	369.27	224.10	483.56	307.83
(N-20)-S.D.EST	42.66	20.65	21.17	22.64	22.25	12.62	27.92	23.43
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	0.	0.	0.	0.	-0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 105 THROUGH 112

	105		106		107		108		109		110		111		112	
	BICEPS C -EXTEND/LT VALUE	SBCT	BICEPS C -FLEXED/RT VALUE	SBCT	BICEPS C -FLEXED/LT VALUE	SBCT	ELBOW CI R-EXTENDED VALUE	SBCT	ELBOW CI RC-FLEXED VALUE	SBCT	LOWER AR M C-EXTEND VALUE	SBCT	LOWER AR M C-FLEXED VALUE	SBCT	WRIST CI RCUMF ENCE VALUE	SBCT
1ST SMALLEST	220.0	1370	254.0	1467	252.0	1940	233.0	1072	259.0	2340	235.0	1072	242.0	1072	151.0	1577
2ND SMALLEST	234.0	1062	258.0	1370	252.0	1370	236.0	449	260.0	1825	238.0	2239	252.0	1435	151.0	846
3RD SMALLEST	238.0	480	263.0	2280	260.0	2280	236.0	413	260.0	449	238.0	1661	252.0	480	152.0	2295
4TH SMALLEST	241.0	1419	265.0	480	262.0	817	238.0	2239	263.0	1340	241.0	480	255.0	2239	152.0	1594
5TH SMALLEST	241.0	449	266.0	1940	264.0	1517	238.0	1370	264.0	1617	242.0	2290	255.0	1705	152.0	1072
6TH SMALLEST	244.0	2471	267.0	1825	264.0	1284	241.0	2471	265.0	2031	242.0	2084	255.0	504	153.0	2406
7TH SMALLEST	245.0	2280	267.0	1072	264.0	1111	242.0	1661	267.0	2327	242.0	504	256.0	397	153.0	2239
8TH SMALLEST	245.0	1940	268.0	449	264.0	1008	242.0	1320	267.0	2239	242.0	449	258.0	2290	153.0	1391
9TH SMALLEST	245.0	1468	268.0	264	264.0	449	242.0	480	267.0	1583	243.0	1435	258.0	1789	153.0	1303
XTH SMALLEST	246.0	2084	270.0	729	265.0	2311	242.0	339	270.0	1250	243.0	1370	258.0	1661	153.0	949

XTH LARGEST	368.0	201	390.0	1113	385.0	910	317.0	1463	363.0	902	322.0	534	342.0	81	202.0	981
9TH LARGEST	368.0	1489	391.0	2049	385.0	1953	318.0	743	363.0	1262	322.0	769	342.0	916	202.0	1023
8TH LARGEST	369.0	415	392.0	1953	385.0	2413	318.0	2090	364.0	144	322.0	916	342.0	1465	203.0	31
7TH LARGEST	371.0	911	393.0	669	386.0	520	318.0	2230	364.0	1238	322.0	2019	343.0	224	203.0	378
6TH LARGEST	373.0	190	394.0	911	386.0	911	319.0	190	365.0	1392	323.0	467	346.0	1624	203.0	1869
5TH LARGEST	375.0	520	396.0	190	386.0	1308	319.0	696	365.0	1624	324.0	31	347.0	106	204.0	20
4TH LARGEST	375.0	847	396.0	1465	387.0	772	320.0	2116	367.0	769	324.0	1208	347.0	1308	205.0	267
3RD LARGEST	376.0	1612	398.0	2089	388.0	2049	321.0	516	367.0	1027	324.0	2116	348.0	2230	205.0	1790
2ND LARGEST	381.0	916	400.0	2116	391.0	916	322.0	1145	368.0	524	325.0	1465	351.0	1027	208.0	1535
1ST LARGEST	384.0	254	408.0	916	401.0	669	322.0	1465	369.0	1023	327.0	882	354.0	902	208.0	2060
THE MEAN VALUE	303.93		327.45		321.20		276.69		312.39		281.56		297.67		175.88	
STO. DEVIATION	23.38		22.59		22.46		14.33		17.46		14.60		15.77		9.20	
COEFF/VARIATION	7.69		6.90		6.99		5.18		5.59		5.19		5.30		5.23	
***TOP**	0.13		0.15		0.13		0.07		0.06		0.06		0.14		0.12	
***BOT**	0.21		0.13		0.11		0.12		0.12		0.10		0.19		0.04	
VETA ONE	0.10		0.12		0.16		0.16		0.18		0.10		0.17		0.35	
VETA TWO	2.99		3.05		3.06		2.85		2.98		2.93		3.06		3.07	
(N-20)-AVG EST	303.90		327.43		321.17		276.67		312.37		281.56		297.65		175.86	
(N-20)-S.D.EST	23.43		22.62		22.53		14.38		17.48		14.65		15.78		9.23	
PCT OIFF/MEANS	0.		0.		0.		0.		0.		0.		0.		0.	
PCT OIF/ST OVS	-0.		-0.		-0.		-0.		-0.		-0.		-0.		-0.	
SIZE OF SAMPLE	2420		2420		2420		2420		2420		2420		2420		2420	

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
STATISTICS FOR VARIABLES 113 THROUGH 120

	113		114		115		116		117		118		119		120	
	SLVE L/S	PINE-SCYE	SLVE L/S	PINE-ELBOW	SLVE L/S	PINE-WRIST	ANTERIOR	NECK LGTH	POSTERIO	R NECK LTH	SHOULDER	LENGTH	DELTOID	ARC	INTERSECT	E
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	231.0	527	525.0	145	791.0	504	21.0	533	84.0	2500	132.0	1757	118.0	95	271.0	1062
2ND SMALLEST	234.0	1444	527.0	504	758.0	145	22.0	2460	84.0	883	132.0	729	125.0	1252	272.0	1008
3RD SMALLEST	234.0	1339	530.0	1391	802.0	1635	28.0	1838	85.0	1104	132.0	598	125.0	536	275.0	1940
4TH SMALLEST	236.0	927	532.0	1451	805.0	1594	28.0	1166	85.0	896	132.0	281	127.0	908	281.0	2004
5TH SMALLEST	238.0	1442	536.0	2406	808.0	890	30.0	2232	86.0	1086	133.0	620	128.0	941	283.0	2332
6TH SMALLEST	238.0	1426	539.0	1635	812.0	1723	32.0	2276	88.0	2449	133.0	369	128.0	862	285.0	2099
7TH SMALLEST	238.0	903	540.0	2227	815.0	2236	32.0	977	89.0	187	134.0	413	128.0	531	286.0	2399
8TH SMALLEST	239.0	1225	540.0	1594	815.0	1391	33.0	843	90.0	1171	135.0	716	128.0	506	287.0	2439
9TH SMALLEST	239.0	888	540.0	1071	821.0	1071	33.0	716	90.0	828	136.0	1474	128.0	504	287.0	2125
XTH SMALLEST	240.0	1400	541.0	2280	821.0	258	34.0	2252	90.0	776	136.0	1097	129.0	692	287.0	2111

XTH LARGEST	334.0	224	680.0	939	1007.0	1291	125.0	264	176.0	1405	203.0	1670	203.0	2218	491.0	636
9TH LARGEST	335.0	1328	680.0	1831	1008.0	1535	125.0	1433	176.0	1482	204.0	224	204.0	1304	492.0	460
8TH LARGEST	337.0	122	681.0	1756	1010.0	1415	126.0	1541	176.0	2103	205.0	718	204.0	1422	493.0	365
7TH LARGEST	337.0	1953	681.0	2019	1010.0	2483	127.0	1679	177.0	2080	205.0	2309	205.0	224	494.0	635
6TH LARGEST	337.0	2470	684.0	1141	1014.0	31	128.0	1008	180.0	1431	207.0	1369	205.0	1918	494.0	934
5TH LARGEST	338.0	1624	688.0	2755	1014.0	755	128.0	1159	180.0	2274	210.0	628	205.0	2230	495.0	87
4TH LARGEST	340.0	1782	689.0	2483	1018.0	224	129.0	2159	182.0	2237	211.0	231	206.0	233	497.0	86
3RD LARGEST	341.0	1756	695.0	1535	1020.0	939	132.0	512	183.0	482	211.0	1392	206.0	338	503.0	76
2ND LARGEST	346.0	755	700.0	231	1036.0	1629	135.0	1043	188.0	2346	214.0	939	206.0	403	503.0	775
1ST LARGEST	354.0	1535	705.0	1629	1045.0	231	138.0	277	199.0	1608	217.0	784	206.0	647	504.0	201
THE MEAN VALUE	284.47		605.70		508.10		64.26		132.49		166.03		159.09		367.57	
STD. DEVIATION	18.08		26.18		35.22		16.85		16.88		12.60		13.29		37.64	
COEFF/VARIATION	6.35		4.32		3.88		19.99		12.74		7.59		8.35		9.71	
TOP	0.21		0.18		0.20		0.14		0.27		0.41		0.04		0.06	
BOTTOM	0.10		0.12		0.16		0.14		0.07		0.06		0.15		0.08	
VETA ONE	0.08		0.19		0.14		-0.31		0.14		0.26		0.47		-0.02	
VETA TWO	2.94		3.03		2.98		3.29		2.80		3.18		3.48		2.92	
(N-20)-AVG EST	284.44		605.65		908.05		84.32		132.47		165.99		159.04		387.56	
(N-20)-S.D.EST	18.12		26.19		35.20		16.83		16.95		12.58		13.27		37.74	
PCT DIFF/MEANS	0.		0.		0.		-0.		0.		0.		0.		0.	
PCT DIF/ST DVS	-0.		-0.		0.		0.		-0.		0.		0.		-0.	
SIZE OF SAMPLE	2420		2420		2420		2420		2420		2420		2420		2420	

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 121 THROUGH 128

	121	122	123	124	125	126	127	128
	INTERSCY	WAIST FR	CROTCH L	WAIST BA	FOOT LEN	INSTEP L	FOOT BRE	BALL-OF-
	E MAXIMUM	ONT-OMPH N	GTH-OMPH N	CK-GMPHL N	GTH	ENGLTH	AOTH	FOOT CIRC
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	495.0 527	342.0 1925	569.0 257	403.0 2167	232.0 1635	165.0 1475	84.0 1577	212.0 340
2ND SMALLEST	516.0 2275	342.0 1723	573.0 2010	404.0 298	234.0 1577	166.0 2396	84.0 726	216.0 1730
3RD SMALLEST	518.0 225	342.0 1468	574.0 831	405.0 490	236.0 879	170.0 2031	85.0 890	216.0 1160
4TH SMALLEST	520.0 546	343.0 301	581.0 1162	405.0 274	237.0 1556	170.0 504	85.0 874	217.0 1878
5TH SMALLEST	521.0 2101	346.0 1541	582.0 516	406.0 1909	238.0 1475	170.0 325	86.0 1340	217.0 1583
6TH SMALLEST	522.0 867	348.0 2415	586.0 2335	407.0 308	238.0 1160	172.0 2365	86.0 855	217.0 1577
7TH SMALLEST	527.0 151	349.0 274	588.0 2387	409.0 1904	240.0 2317	172.0 2211	86.0 357	217.0 1295
8TH SMALLEST	528.0 545	352.0 1977	589.0 128	410.0 1489	240.0 2147	172.0 2169	86.0 340	218.0 1250
9TH SMALLEST	530.0 2403	352.0 1082	592.0 2280	410.0 459	240.0 2129	172.0 1757	86.0 298	218.0 844
XTH SMALLEST	532.0 1242	352.0 509	593.0 2002	410.0 317	240.0 280	172.0 1556	86.0 297	215.0 1251

XTH LARGEST	694.0 1275	472.0 705	829.0 1367	535.0 2069	305.0 1223	224.0 1198	114.0 231	284.0 1023
9TH LARGEST	695.0 884	474.0 573	831.0 68	535.0 2420	306.0 102	225.0 20	114.0 981	285.0 2242
8TH LARGEST	696.0 61	475.0 772	837.0 81	536.0 1669	306.0 1208	225.0 2238	114.0 1505	286.0 31
7TH LARGEST	698.0 1392	476.0 884	841.0 28	541.0 674	307.0 31	226.0 1260	114.0 1733	286.0 213
6TH LARGEST	700.0 1210	478.0 1869	846.0 201	541.0 1210	307.0 687	226.0 1464	115.0 269	286.0 231
5TH LARGEST	701.0 2356	480.0 1023	847.0 649	542.0 1561	307.0 1413	228.0 31	115.0 955	287.0 611
4TH LARGEST	702.0 593	481.0 725	854.0 635	547.0 921	311.0 1260	230.0 102	115.0 2090	288.0 214
3RD LARGEST	705.0 784	487.0 1210	855.0 1328	548.0 864	312.0 231	231.0 231	116.0 1522	288.0 394
2ND LARGEST	712.0 83	489.0 2131	856.0 1489	556.0 818	313.0 1464	233.0 687	116.0 1624	288.0 1624
1ST LARGEST	713.0 2309	492.0 1405	857.0 772	563.0 2131	313.0 1790	234.0 1790	117.0 1535	294.0 2090
THE MEAN VALUE	615.44	404.21	706.06	469.19	270.35	197.94	97.67	248.40
STD. DEVIATION	30.18	22.17	44.29	23.72	11.90	9.52	4.95	12.31
COFF/VARIATION	4.90	5.49	6.27	5.05	4.40	4.81	5.07	4.95
TOP	0.12	0.17	0.12	0.22	0.12	0.19	0.11	0.15
80T	0.23	0.08	0.10	0.06	0.12	0.13	0.07	0.11
VETA ONE	-0.04	0.30	0.21	0.15	0.15	0.09	0.31	0.26
VETA TWO	3.17	3.23	3.03	3.00	3.09	3.19	3.20	3.13
(N-20)-AVG EST	615.48	404.13	705.99	469.14	270.32	197.93	97.65	248.37
(N-20)-S.D.EST	30.15	22.12	44.27	23.74	11.89	9.49	4.94	12.33
PCT DIFF/MEANS	-0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST OVS	0.	0.	0.	-0.	0.	0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 129 THROUGH 136

	129		130		131		132		133		134		135		136	
	INSTP C	HEEL CIR	81-MALLE	LAT L MA	MEO L MA	HAND L EN	GTH	HAND L EN	GTH	HAND L EN	GTH	HAND L EN	GTH	HAND L EN	GTH	HAND BR/ METACARPLE VALUE SBJCT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	224.0 1577	292.0 1577	58.0 1577	54.0 2280	68.0 2017	167.0 1933	93.0 1933	167.0 1933	93.0 1933	68.0 2017	167.0 1933	93.0 1933	167.0 1933	93.0 1933	76.0 1189	
2ND SMALLEST	224.0 1160	295.0 1062	62.0 1878	54.0 1577	69.0 2280	168.0 1880	93.0 1723	168.0 1880	93.0 1723	69.0 2280	168.0 1880	93.0 1723	168.0 1880	93.0 1723	76.0 340	
3RD SMALLEST	224.0 1072	300.0 1340	62.0 1705	55.0 2160	69.0 197	168.0 1586	93.0 1586	168.0 1586	93.0 1586	69.0 197	168.0 1586	93.0 1586	168.0 1586	93.0 1586	78.0 1564	
4TH SMALLEST	225.0 1878	300.0 449	64.0 1642	56.0 1152	70.0 1655	168.0 1577	94.0 2463	168.0 1577	94.0 2463	70.0 1655	168.0 1577	94.0 2463	168.0 1577	94.0 2463	78.0 1347	
5TH SMALLEST	225.0 890	302.0 2021	64.0 1564	56.0 509	70.0 1340	168.0 949	94.0 2121	168.0 949	94.0 2121	70.0 1340	168.0 949	94.0 2121	168.0 949	94.0 2121	78.0 1311	
6TH SMALLEST	225.0 476	304.0 874	64.0 1555	56.0 286	70.0 809	170.0 1635	94.0 1906	170.0 1635	94.0 1906	70.0 809	170.0 1635	94.0 1906	170.0 1635	94.0 1906	78.0 846	
7TH SMALLEST	226.0 2236	305.0 1555	64.0 1339	57.0 1308	70.0 776	171.0 2317	94.0 1635	171.0 2317	94.0 1635	70.0 776	171.0 2317	94.0 1635	171.0 2317	94.0 1635	78.0 827	
8TH SMALLEST	226.0 1498	305.0 476	64.0 1250	57.0 1211	70.0 504	171.0 1431	94.0 852	171.0 1431	94.0 852	70.0 504	171.0 1431	94.0 852	171.0 1431	94.0 852	78.0 667	
9TH SMALLEST	228.0 1131	305.0 339	64.0 1176	57.0 1053	71.0 1986	171.0 506	94.0 834	171.0 506	94.0 834	71.0 1986	171.0 506	94.0 834	171.0 506	94.0 834	78.0 598	
XTH SMALLEST	228.0 844	305.0 184	64.0 1138	57.0 686	71.0 629	172.0 1555	95.0 1577	172.0 1555	95.0 1577	71.0 629	172.0 1555	95.0 1577	172.0 1555	95.0 1577	78.0 84	

XTH LARGEST	294.0 305	379.0 2090	84.0 684	87.0 329	101.0 20	214.0 565	122.0 1141	214.0 565	122.0 1141	101.0 20	214.0 565	122.0 1141	214.0 565	122.0 1141	100.0 1523	
9TH LARGEST	294.0 1535	380.0 1790	85.0 83	87.0 705	101.0 823	214.0 606	123.0 258	214.0 606	123.0 258	101.0 823	214.0 606	123.0 258	214.0 606	123.0 258	101.0 269	
8TH LARGEST	295.0 738	380.0 2238	85.0 110	87.0 887	101.0 1233	215.0 1535	124.0 31	215.0 1535	124.0 31	101.0 1233	215.0 1535	124.0 31	215.0 1535	124.0 31	101.0 711	
7TH LARGEST	295.0 1208	380.0 2258	86.0 33	87.0 1281	101.0 1967	216.0 102	124.0 319	216.0 102	124.0 319	101.0 1967	216.0 102	124.0 319	216.0 102	124.0 319	101.0 721	
6TH LARGEST	297.0 43	381.0 2483	86.0 1437	87.0 1476	102.0 675	216.0 1141	124.0 1624	216.0 1141	124.0 1624	102.0 675	216.0 1141	124.0 1624	216.0 1141	124.0 1624	101.0 1535	
5TH LARGEST	297.0 394	384.0 31	86.0 1758	87.0 1546	102.0 1236	217.0 214	125.0 276	217.0 214	125.0 276	102.0 1236	217.0 214	125.0 276	217.0 214	125.0 276	101.0 2069	
4TH LARGEST	297.0 2090	385.0 214	87.0 269	88.0 1594	102.0 1291	218.0 1208	125.0 353	218.0 1208	125.0 353	102.0 1291	218.0 1208	125.0 353	218.0 1208	125.0 353	101.0 2443	
3RD LARGEST	299.0 1797	387.0 1208	88.0 120	88.0 2112	103.0 1624	220.0 31	126.0 1223	220.0 31	126.0 1223	103.0 1624	220.0 31	126.0 1223	220.0 31	126.0 1223	102.0 31	
2ND LARGEST	301.0 1790	389.0 20	89.0 20	88.0 2171	104.0 565	220.0 224	127.0 1743	220.0 224	127.0 1743	104.0 565	220.0 224	127.0 1743	220.0 224	127.0 1743	102.0 248	
1ST LARGEST	306.0 214	396.0 1797	89.0 31	89.0 224	104.0 952	222.0 1223	128.0 224	222.0 1223	128.0 224	104.0 952	222.0 1223	128.0 224	222.0 1223	128.0 224	102.0 2171	
THE MEAN VALUE																
STD. DEVIATION	256.93	339.46	73.28	70.39	85.69	191.10	108.30	191.10	108.30	85.69	191.10	108.30	191.10	108.30	89.03	
COFF/VARIATION	12.07	14.12	3.82	5.41	5.68	8.20	5.41	8.20	5.41	5.68	8.20	5.41	8.20	5.41	4.15	
TOP**	4.70	4.16	5.22	7.68	6.62	4.29	4.99	4.29	4.99	6.62	4.29	4.99	4.29	4.99	4.66	
BOTTOM**	0.18	0.23	0.25	0.07	0.10	0.19	0.22	0.19	0.22	0.10	0.19	0.22	0.19	0.22	0.09	
VETA ONE	0.06	0.30	0.30	0.10	0.10	0.12	0.07	0.12	0.07	0.10	0.12	0.07	0.12	0.07	0.09	
VETA TWO	0.33	0.13	0.21	0.14	0.03	0.16	0.13	0.16	0.13	0.03	0.16	0.13	0.16	0.13	0.12	
	3.24	3.03	3.23	3.11	2.89	3.01	2.86	3.01	2.86	2.89	3.01	2.86	3.01	2.86	2.96	
(N-20)-AVG EST																
(N-20)-S.D. EST	256.90	339.44	73.26	70.38	85.68	191.08	108.30	191.08	108.30	85.68	191.08	108.30	191.08	108.30	89.02	
	12.05	14.12	3.81	5.41	5.69	8.21	5.42	8.21	5.42	5.69	8.21	5.42	8.21	5.42	4.16	
PCT DIFF/MEANS																
PCT OIF/ST OVS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	0.	-0.	0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	
SIZE OF SAMPLE																
	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	2420	

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 137 THROUGH 144

	137	138	139	140	141	142	143	144
	HAND BRT	HAND C/M	HAND C R	HAND THI	HEAD CIR	SAGITTAL	MINIMUM	8ITRAGIO
	H AT THUMB	ETACARPALE	OUND THUMB	CK/META-3	CUMPERENCE	ARC/INION	FRONTL ARC	N-CORNAL
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	86.0 1896	184.0 2295	219.0 2255	20.0 1039	527.0 2169	300.0 1146	113.0 1266	321.0 2239
2ND SMALLEST	87.0 2295	189.0 2365	223.0 1896	20.0 562	530.0 1239	301.0 1015	114.0 2253	321.0 1131
3RD SMALLEST	88.0 2132	189.0 1295	226.0 2368	21.0 2381	532.0 356	301.0 548	114.0 1049	322.0 1741
4TH SMALLEST	88.0 846	190.0 236	226.0 1199	21.0 2023	535.0 1043	301.0 517	114.0 747	323.0 2091
5TH SMALLEST	88.0 811	191.0 1229	228.0 1072	21.0 1061	536.0 406	302.0 1566	114.0 406	323.0 1864
6TH SMALLEST	88.0 783	191.0 598	230.0 1577	21.0 564	538.0 1863	302.0 1528	115.0 1493	323.0 515
7TH SMALLEST	88.0 356	191.0 504	230.0 1475	21.0 524	539.0 1559	302.0 1071	115.0 478	323.0 26
8TH SMALLEST	89.0 1482	191.0 338	231.0 2132	21.0 175	539.0 1426	303.0 639	116.0 1676	324.0 2169
9TH SMALLEST	89.0 1347	192.0 479	231.0 1229	21.0 131	539.0 1158	303.0 323	116.0 1676	324.0 1451
XTH SMALLEST	89.0 912	193.0 1663	231.0 653	22.0 471	539.0 323	304.0 1062	116.0 1559	325.0 1885

XTH LARGEST	116.0 38	242.0 1210	246.0 467	33.0 527	614.0 984	390.0 2423	158.0 847	391.0 1326
9TH LARGEST	116.0 224	243.0 231	247.0 769	33.0 576	615.0 43	391.0 1489	159.0 20	392.0 42
8TH LARGEST	116.0 1624	243.0 1523	288.0 248	33.0 1148	616.0 1304	392.0 1245	159.0 75	392.0 454
7TH LARGEST	117.0 43	243.0 1704	288.0 1023	33.0 1450	616.0 1392	392.0 2150	159.0 863	392.0 932
6TH LARGEST	117.0 57	243.0 2090	290.0 364	34.0 348	617.0 737	393.0 2082	159.0 1288	394.0 20
5TH LARGEST	118.0 1535	243.0 2438	290.0 1238	34.0 1465	617.0 1965	394.0 590	160.0 1032	394.0 1095
4TH LARGEST	119.0 231	244.0 2171	290.0 2090	35.0 1380	618.0 20	396.0 20	160.0 1639	399.0 1471
3RD LARGEST	119.0 248	247.0 31	292.0 224	36.0 1713	618.0 655	397.0 2437	162.0 977	400.0 939
2ND LARGEST	120.0 45	247.0 269	293.0 231	36.0 2326	620.0 1032	398.0 2033	165.0 712	400.0 1288
1ST LARGEST	123.0 31	247.0 2061	299.0 31	36.0 2438	620.0 2033	403.0 2108	169.0 42	402.0 2469
THE MEAN VALUE	101.94	215.54	257.54	27.66	575.19	346.41	136.00	357.57
STO. DEVIATION	4.50	9.36	10.80	2.09	14.28	16.59	7.86	12.59
COFF/VARIATION	4.06	4.34	4.19	7.56	2.48	4.79	5.78	3.52
TOP	0.26	0.10	0.27	0.27	0.08	0.15	0.26	0.17
BOT	0.11	0.18	0.22	0.18	0.16	0.05	0.07	0.06
VETA ONE	0.17	0.11	0.17	0.02	0.12	-0.02	0.12	0.04
VETA TWO	3.09	2.94	2.91	3.74	2.91	2.85	3.02	3.03
(N-20)-AVG EST	101.93	215.53	257.53	27.66	575.19	346.40	135.98	357.55
(N-20)-S.D. EST	4.94	9.37	10.81	2.07	14.31	16.06	7.86	12.61
PCT DIFF/MEANS	0.	0.	0.	-0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	-0.	1.	-0.	-0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 145 THROUGH 152

	146	147	148	149	150	151	152
	BITRAGN- MIN FRNTAL VALUE SBJCT	BITRAGIO N-MENTCN VALUE SBJCT	BIT-SUBM ANCIBULAR VALUE SBJCT	BITRAG N -POSTERIOR VALUE SBJCT	HEAD LEN GTH VALUE SBJCT	HEAD DIA GNL/MENTON VALUE SBJCT	HO DTAG/ INION-NOSE VALUE SBJCT
1ST SMALLEST	273.0 2169	282.0 2169	259.0 2169	253.0 333	175.0 406	232.0 653	188.0 1340
2ND SMALLEST	277.0 1227	288.0 283	263.0 1842	257.0 2196	177.0 293	233.0 2169	189.0 1979
3RD SMALLEST	278.0 1475	290.0 2369	264.0 2280	257.0 1340	178.0 1979	234.0 2471	189.0 1925
4TH SMALLEST	278.0 1131	291.0 2357	265.0 2121	260.0 2464	178.0 1070	235.0 2239	189.0 1158
5TH SMALLEST	278.0 1234	291.0 2236	266.0 1818	260.0 2256	178.0 356	235.0 425	190.0 1605
6TH SMALLEST	279.0 1234	292.0 1475	268.0 419	260.0 300	179.0 2169	236.0 1651	191.0 1764
7TH SMALLEST	280.0 546	294.0 2287	270.0 1552	261.0 2270	179.0 1239	236.0 398	192.0 1513
8TH SMALLEST	280.0 447	294.0 1426	272.0 2275	261.0 2010	180.0 1493	236.0 36	192.0 1251
9TH SMALLEST	281.0 1429	294.0 925	272.0 1472	261.0 1865	181.0 1863	237.0 1504	193.0 1635
XTH SMALLEST	281.0 1426	295.0 2132	272.0 357	261.0 1475	181.0 1789	237.0 1416	193.0 1416

XTH LARGEST	335.0 1471	358.0 1953	352.0 237	339.0 1058	218.0 955	276.0 1600	249.0 1461
9TH LARGEST	336.0 164	358.0 2008	352.0 930	340.0 935	218.0 1032	277.0 1535	250.0 1690
8TH LARGEST	336.0 655	359.0 981	353.0 1403	343.0 743	218.0 1304	277.0 2274	251.0 1208
7TH LARGEST	337.0 798	359.0 1208	354.0 674	343.0 1924	218.0 1505	278.0 1690	252.0 37
6TH LARGEST	337.0 1903	360.0 224	356.0 516	344.0 991	219.0 2033	278.0 2413	252.0 1712
5TH LARGEST	338.0 42	360.0 737	358.0 190	345.0 984	219.0 2423	279.0 1208	253.0 1392
4TH LARGEST	338.0 497	360.0 1363	360.0 884	345.0 1060	221.0 20	280.0 43	254.0 1164
3RD LARGEST	339.0 955	362.0 2483	364.0 1018	351.0 940	221.0 2234	280.0 1288	255.0 877
2ND LARGEST	344.0 737	364.0 2033	366.0 1119	354.0 939	223.0 2412	282.0 1392	256.0 43
1ST LARGEST	349.0 20	367.0 190	367.0 1537	354.0 1392	226.0 223	284.0 20	256.0 658
THE MEAN VALUE	308.06	326.47	309.81	294.49	198.71	256.03	219.37
STD. DEVIATION	9.96	12.36	15.77	14.95	6.74	7.59	10.14
COFF./VARIATION	3.23	3.79	5.09	5.08	3.39	2.96	4.62
TOP**	0.26	0.14	0.15	0.19	0.22	0.21	0.13
BOT**	0.15	0.21	0.16	0.10	0.16	0.13	0.09
VETA ONE	0.06	0.01	0.08	0.42	0.10	0.12	0.00
VETA TWO	3.10	2.79	2.93	3.14	3.17	2.94	3.12
(N-201)-AVG EST	308.05	326.48	309.78	294.42	198.71	256.02	219.35
(N-201)-S.D.EST	9.93	12.40	15.80	14.95	6.71	7.60	10.11
PCT DIFF/MEANS	0.	-0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	-0.	-0.	0.	-0.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 153 THROUGH 160

	153	154	155	156	157	158	159	160
	EAR BREA DTH	EAR LENG TH	EAR L AB VE TRAGION	HEAD BRE ADTH	MAXIMUM FRONTAL BR	BITRAGIO N BREADTH	BIZYGOMA TIC BR DTH	BIGONIAL BREADTH
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	27.0	49.0	23.0	139.0	96.0	124.0	124.0	95.0
2ND SMALLEST	28.0	51.0	21.0	140.0	101.0	126.0	125.0	96.0
3RD SMALLEST	28.0	52.0	22.0	140.0	101.0	126.0	125.0	97.0
4TH SMALLEST	29.0	52.0	22.0	140.0	102.0	126.0	127.0	97.0
5TH SMALLEST	29.0	52.0	22.0	141.0	102.0	126.0	127.0	97.0
6TH SMALLEST	29.0	53.0	22.0	142.0	102.0	127.0	127.0	97.0
7TH SMALLEST	30.0	53.0	22.0	142.0	103.0	127.0	127.0	97.0
8TH SMALLEST	30.0	53.0	22.0	142.0	103.0	127.0	128.0	100.0
9TH SMALLEST	30.0	54.0	22.0	142.0	103.0	127.0	128.0	100.0
XTH SMALLEST	30.0	54.0	23.0	142.0	103.0	127.0	129.0	101.0

XTH LARGEST	47.0	79.0	38.0	171.0	129.0	158.0	156.0	136.0
9TH LARGEST	47.0	79.0	38.0	171.0	129.0	158.0	156.0	136.0
8TH LARGEST	47.0	79.0	38.0	172.0	129.0	158.0	157.0	136.0
7TH LARGEST	47.0	79.0	39.0	172.0	129.0	158.0	157.0	137.0
6TH LARGEST	47.0	79.0	39.0	172.0	130.0	158.0	157.0	137.0
5TH LARGEST	48.0	80.0	40.0	172.0	130.0	159.0	157.0	137.0
4TH LARGEST	48.0	80.0	40.0	173.0	130.0	159.0	158.0	138.0
3RD LARGEST	49.0	80.0	40.0	174.0	130.0	160.0	159.0	138.0
2ND LARGEST	49.0	83.0	41.0	174.0	130.0	161.0	159.0	138.0
1ST LARGEST	49.0	83.0	41.0	176.0	131.0	161.0	159.0	142.0
THE MEAN VALUE	37.97	65.95	29.37	156.00	116.03	142.53	142.26	117.32
STD. DEVIATION	3.00	4.26	2.93	5.43	4.56	5.56	5.15	6.90
COFF/VARIATION	7.91	6.46	9.98	3.48	3.93	3.90	3.62	5.88
TOP**	0.12	0.16	0.20	0.17	0.08	0.10	0.11	0.17
BOT**	0.18	0.20	0.13	0.10	0.27	0.10	0.19	0.17
VETA ONE	0.20	0.15	0.34	0.13	0.03	0.06	0.04	0.12
VETA TWO	3.34	3.41	3.32	2.94	3.36	2.97	3.08	2.93
(N-20)-AVG EST	37.97	65.95	29.36	155.95	116.03	142.53	142.26	117.32
(N-20)-S.D. EST	2.99	4.23	2.92	5.43	4.54	5.56	5.15	6.91
PCT DIFF/MEANS	0.	0.	0.	0.	-0.	0.	-0.	0.
PCT DIF/ST DVS	1.	1.	0.	-0.	0.	-0.	0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 161 THROUGH 168

	161	162	163	164	165	166	167	168
	EAR-TO-E	BIOCULAR	INTERPUP	INTERCCU	NOSE BRE	LIP LENG	EAR PROT	SUBNASAL
	AR BREADTH	BREADTH	ILLARY 8RD	LAR 8R DTH	ADTH	TH	RUSION	E-NASAL RT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	162.0 1077	78.0 2161	51.0 644	23.0 702	27.0 2386	39.0 936	12.0 1933	39.0 1587
2ND SMALLEST	163.0 1391	78.0 2160	53.0 2085	24.0 2386	27.0 2266	40.0 2177	12.0 1822	40.0 2297
3RD SMALLEST	163.0 892	78.0 1802	53.0 1443	24.0 2351	27.0 1723	40.0 2043	12.0 493	40.0 1973
4TH SMALLEST	165.0 1418	79.0 2098	53.0 265	24.0 1474	27.0 1601	41.0 2266	13.0 1747	40.0 1401
5TH SMALLEST	165.0 1053	79.0 1300	54.0 961	25.0 2082	27.0 923	41.0 2255	13.0 1520	40.0 937
6TH SMALLEST	167.0 1472	79.0 1199	54.0 776	25.0 67	28.0 2305	41.0 399	13.0 586	41.0 2215
7TH SMALLEST	167.0 1160	79.0 1110	54.0 746	26.0 2085	28.0 2279	42.0 2207	14.0 1502	41.0 2200
8TH SMALLEST	167.0 994	79.0 1070	54.0 702	26.0 2022	28.0 1474	42.0 2084	14.0 1388	41.0 1916
9TH SMALLEST	167.0 586	80.0 1907	54.0 698	26.0 1802	28.0 936	42.0 1434	14.0 1242	41.0 1432
XTH SMALLEST	168.0 645	80.0 1616	54.0 355	26.0 852	28.0 801	42.0 276	14.0 1240	41.0 753

XTH LARGEST	210.0 1287	104.0 1856	74.0 450	41.0 231	46.0 288	63.0 244	31.0 373	61.0 570
9TH LARGEST	210.0 1501	105.0 2345	74.0 798	41.0 255	46.0 655	63.0 362	31.0 613	61.0 616
8TH LARGEST	211.0 1051	106.0 1990	74.0 990	41.0 319	46.0 997	63.0 2113	31.0 728	62.0 38
7TH LARGEST	212.0 100	106.0 2309	74.0 1162	41.0 365	46.0 1016	63.0 2454	32.0 100	62.0 129
6TH LARGEST	212.0 638	106.0 2412	74.0 1538	41.0 415	47.0 825	64.0 1018	32.0 123	62.0 1112
5TH LARGEST	212.0 806	106.0 2421	74.0 1722	42.0 384	47.0 2483	64.0 2330	32.0 466	62.0 1127
4TH LARGEST	212.0 1954	107.0 1036	75.0 1666	42.0 575	47.0 2491	64.0 2460	32.0 625	62.0 2008
3RD LARGEST	213.0 728	107.0 2081	75.0 2412	42.0 655	48.0 2460	65.0 1947	32.0 803	63.0 2131
2ND LARGEST	214.0 1529	107.0 2210	76.0 241	42.0 1722	49.0 606	65.0 2469	32.0 1501	64.0 20
1ST LARGEST	215.0 1835	108.0 2315	77.0 42	44.0 490	51.0 1376	66.0 2417	33.0 806	64.0 370
THE MEAN VALUE	188.31	91.71	62.69	33.29	35.43	52.50	21.64	51.33
STD. DEVIATION	8.07	4.85	3.62	2.77	2.93	3.74	3.36	3.72
COFF/VARIATION	4.29	5.29	5.77	8.33	8.28	7.16	15.54	7.25
TOP	0.12	0.17	0.15	0.20	0.28	0.14	0.12	0.15
80T	0.14	0.08	0.15	0.20	0.06	0.14	0.12	0.10
ONE	0.10	0.21	0.23	0.11	0.50	-0.03	0.26	-0.03
TWO	2.93	2.94	3.18	3.08	4.02	3.16	2.91	3.09
(N-20)-AVG EST	188.30	91.70	62.68	33.29	35.41	52.30	21.63	51.33
(N-20)-S.D.EST	8.09	4.87	3.62	2.77	2.89	3.73	3.38	3.72
PCT DIFF/MEANS	0.	0.	0.	0.	1.	0.	0.	0.
PCT DIF/ST DVS	-0.	-0.	0.	0.	1.	0.	-0.	-0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

C9/09/76 ** AMRL OATA BANK LIERARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 169 THROUGH 176

	169	170	171	172	173	174	175	176
	PHILTRUM LENGTH	LIP-TO-L IP LENGTH	MENTON-S UBNASALE L	MENTON-N ASAL ROCT	GLABELLA -TO-VERTEX	NASAL RO OT-TO-VRTX	XTRNL CA NTHUS-VRTX	PRCNASAL E-TO-VRTX
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	6.0 2429	3.0 610	53.0 2187	98.0 1050	58.0 26	70.0 26	92.0 890	109.0 890
2ND SMALLEST	7.0 2279	4.0 2448	53.0 1976	103.0 2141	60.0 890	79.0 890	93.0 26	105.0 26
3RD SMALLEST	7.0 448	4.0 665	53.0 1566	103.0 1566	65.0 116	81.0 116	99.0 918	114.0 852
4TH SMALLEST	8.0 1619	5.0 2033	53.0 561	103.0 1442	66.0 1924	82.0 852	99.0 526	115.0 918
5TH SMALLEST	8.0 1517	5.0 151	54.0 1740	103.0 1340	66.0 704	83.0 918	99.0 89	116.0 106
6TH SMALLEST	8.0 1475	5.0 30	54.0 1442	103.0 1038	68.0 918	84.0 2453	100.0 1083	118.0 2453
7TH SMALLEST	8.0 1015	6.0 1586	54.0 493	104.0 2420	68.0 852	84.0 1239	100.0 830	118.0 1646
8TH SMALLEST	8.0 703	6.0 1252	55.0 1400	104.0 498	68.0 526	84.0 36	100.0 640	119.0 1038
9TH SMALLEST	9.0 1186	6.0 873	55.0 1371	105.0 1557	70.0 1239	84.0 35	100.0 106	119.0 830
XTH SMALLEST	9.0 1062	6.0 854	55.0 522	105.0 1463	70.0 515	85.0 766	100.0 65	119.0 814

XTH LARGEST	23.0 246	28.0 1024	62.0 840	137.0 1012	121.0 1529	134.0 2334	141.0 355	179.0 322
9TH LARGEST	23.0 847	28.0 1376	83.0 217	138.0 555	121.0 1535	135.0 2167	141.0 2228	175.0 466
8TH LARGEST	23.0 990	28.0 1940	83.0 484	139.0 502	121.0 2158	135.0 2158	141.0 2260	179.0 817
7TH LARGEST	23.0 1428	29.0 421	83.0 905	139.0 905	121.0 2353	135.0 2353	143.0 1529	179.0 1529
6TH LARGEST	24.0 172	29.0 1391	84.0 559	140.0 559	123.0 355	135.0 2373	143.0 1990	180.0 2228
5TH LARGEST	24.0 1591	29.0 1432	84.0 1012	141.0 260	123.0 1883	135.0 2405	143.0 2334	181.0 1883
4TH LARGEST	24.0 2027	31.0 1401	84.0 1194	141.0 484	123.0 2373	138.0 2161	144.0 267	181.0 2108
3RD LARGEST	24.0 2489	31.0 2491	84.0 2052	141.0 2008	124.0 2334	140.0 1883	144.0 1591	184.0 355
2ND LARGEST	25.0 20	32.0 724	85.0 1393	143.0 20	125.0 2108	141.0 1529	146.0 1535	184.0 1512
1ST LARGEST	25.0 166	32.0 1162	89.0 260	143.0 91	125.0 2161	141.0 2108	147.0 2161	185.0 2334
THE MEAN VALUE	15.52	17.35	69.00	120.32	92.75	107.46	119.51	147.42
STD. DEVIATION	2.76	3.84	5.27	6.08	9.70	9.37	7.69	11.01
COEFF/VARIATION	17.77	22.12	7.63	5.05	10.46	8.72	6.44	7.47
TOP	0.14	0.18	0.26	0.19	0.08	0.14	0.15	0.10
BOT	0.21	0.14	0.07	0.22	0.24	0.31	0.20	0.17
VETA ONE	0.16	-0.21	0.02	0.09	0.16	0.14	0.11	0.16
VETA TWO	3.03	3.50	2.91	3.10	3.04	3.00	3.01	3.04
(N-20)-AVG EST	15.52	17.35	69.00	120.31	92.74	107.44	119.50	147.41
(N-20)-S.O.EST	2.76	3.81	5.28	6.06	9.70	9.37	7.69	11.00
PCT DIFF/MEANS	0.	0.	-0.	0.	0.	0.	0.	0.
PCT DIF/ST OVS	-0.	1.	-0.	0.	-0.	0.	-0.	0.
SIZE OF SAMPLE	2420	2420	2420	2420	2420	2420	2420	2420

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

STATISTICS FOR VARIABLES 177 THROUGH 184

	177	178	179	180	181	182	183	184
	STOMION- TO-VERTEX VALUE	MENTON-T O-VERTEX VALUE	TRAGICN- TO-VERTEX VALUE	GLABELLA -TO-WALL VALUE	NASAL RO OT-TO-WALL VALUE	XTRNL CA NTHUS-WALL VALUE	PRONASAL E-TO-WALL VALUE	
1ST SMALLEST	125.0	26	191.0	115.0	180.0	179.0	156.0	196.0
2ND SMALLEST	128.0	890	196.0	116.0	181.0	180.0	156.0	204.0
3RD SMALLEST	129.0	106	196.0	117.0	182.0	180.0	158.0	205.0
4TH SMALLEST	130.0	2453	198.0	117.0	183.0	182.0	159.0	205.0
5TH SMALLEST	131.0	1038	199.0	118.0	184.0	183.0	159.0	205.0
6TH SMALLEST	132.0	852	200.0	118.0	185.0	183.0	159.0	205.0
7TH SMALLEST	134.0	814	200.0	118.0	185.0	184.0	159.0	205.0
8TH SMALLEST	134.0	36	200.0	118.0	185.0	184.0	160.0	205.0
9TH SMALLEST	135.0	918	200.0	119.0	186.0	184.0	160.0	206.0
XTH SMALLEST	135.0	515	201.0	119.0	186.0	185.0	160.0	206.0

XTH LARGEST	191.0	355	254.0	150.0	222.0	220.0	196.0	246.0
9TH LARGEST	191.0	1512	254.0	151.0	223.0	220.0	197.0	246.0
8TH LARGEST	191.0	1883	255.0	151.0	223.0	221.0	197.0	246.0
7TH LARGEST	191.0	2228	256.0	151.0	223.0	221.0	198.0	246.0
6TH LARGEST	191.0	2353	256.0	152.0	223.0	221.0	198.0	247.0
5TH LARGEST	192.0	817	257.0	153.0	224.0	221.0	200.0	247.0
4TH LARGEST	192.0	2469	258.0	153.0	224.0	222.0	200.0	247.0
3RD LARGEST	193.0	2108	260.0	154.0	227.0	223.0	201.0	249.0
2ND LARGEST	193.0	2334	260.0	155.0	227.0	225.0	201.0	249.0
1ST LARGEST	196.0	1529	260.0	155.0	229.0	227.0	203.0	252.0
THE MEAN VALUE	160.88		227.72	134.46	203.51	201.68	177.88	226.79
STC. DEVIATION	10.24		10.22	6.10	6.74	6.58	6.61	7.51
COFF/VARIATION	6.37		4.49	4.54	3.31	3.26	3.72	3.31
••TOP••	0.09		0.11	0.16	0.19	0.20	0.19	0.15
••BOT••	0.18		0.19	0.13	0.17	0.17	0.11	0.25
VETA ONE	0.10		-0.02	0.00	0.10	0.08	0.00	-0.13
VETA TWO	2.93		2.87	3.00	3.06	3.11	3.12	3.02
(N-20)-AVG EST	160.87		227.72	134.46	203.51	201.68	177.87	226.80
(N-20)-S.D.EST	10.24		10.23	6.12	6.73	6.56	6.59	7.52
PCT OIFF/MEANS	0.		-0.	0.	0.	0.	0.	-0.
PCT OIFF/ST OVS	0.		-0.	-0.	0.	0.	0.	-0.
SIZE OF SAMPLE	2420		2420	2420	2420	2420	2420	2420

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 185 THROUGH 192

	185	186	187	188	189	190	191	192
	SUBNASAL	LIP PROM	CHIN PRO	TRAGION-	GUESSED	GUESSED	RANK	AERO RAT
	E-TO-WALL	IN CE-WALL	MINCE-WALL	TO-WALL	HEIGHT	WEIGHT	VALUE	ING
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	180.0 1924	186.0 1971	170.0 2357	81.0 754	63.0 1635	125.0 2222	10.0 258	10.0 257
2ND SMALLEST	184.0 1971	186.0 1924	170.0 2022	81.0 422	63.0 1577	125.0 1977	10.0 257	10.0 256
3RD SMALLEST	186.0 1979	186.0 1383	171.0 2353	82.0 2195	63.0 1531	125.0 1925	10.0 256	10.0 255
4TH SMALLEST	186.0 406	187.0 2397	171.0 2229	82.0 1576	63.0 1227	125.0 1723	10.0 255	10.0 254
5TH SMALLEST	187.0 2353	187.0 2317	171.0 2158	83.0 566	64.0 506	125.0 1531	10.0 254	10.0 253
6TH SMALLEST	187.0 1681	187.0 2124	175.0 2124	84.0 2223	64.0 504	125.0 1468	10.0 253	10.0 252
7TH SMALLEST	188.0 2022	189.0 2353	175.0 2054	84.0 2022	64.0 498	125.0 1370	10.0 252	10.0 251
8TH SMALLEST	188.0 1764	189.0 2303	175.0 451	86.0 2313	64.0 375	125.0 1072	10.0 251	10.0 250
9TH SMALLEST	188.0 1552	189.0 2022	176.0 1154	86.0 1587	64.0 298	125.0 964	10.0 249	10.0 249
XTH SMALLEST	188.0 1541	189.0 1764	177.0 2268	87.0 1856	64.0 297	125.0 640	10.0 248	10.0 248

XTH LARGEST	230.0 1208	235.0 120	231.0 770	121.0 362	76.0 20	221.0 31	14.0 32	30.0 106
9TH LARGEST	231.0 421	235.0 217	232.0 28	121.0 670	76.0 224	221.0 83	14.0 33	30.0 152
8TH LARGEST	231.0 658	235.0 658	232.0 40	121.0 799	76.0 485	221.0 98	14.0 34	30.0 243
7TH LARGEST	231.0 1304	235.0 1304	232.0 1394	121.0 909	76.0 755	221.0 122	14.0 35	30.0 651
6TH LARGEST	232.0 217	236.0 1461	233.0 73	122.0 217	76.0 884	221.0 144	15.0 125	30.0 898
5TH LARGEST	233.0 43	236.0 1600	233.0 1052	123.0 1304	76.0 1023	221.0 182	15.0 2462	30.0 909
4TH LARGEST	233.0 743	238.0 43	233.0 1600	123.0 1444	76.0 1223	221.0 190	15.0 2469	30.0 917
3RD LARGEST	233.0 1690	239.0 1394	234.0 1304	124.0 368	76.0 1588	221.0 201	15.0 2483	30.0 923
2ND LARGEST	234.0 616	240.0 20	236.0 728	124.0 674	76.0 1778	221.0 224	16.0 932	30.0 927
1ST LARGEST	235.0 728	240.0 728	240.0 43	125.0 616	76.0 1821	221.0 231	16.0 1936	30.0 943
THE MEAN VALUE	209.90	211.61	204.74	103.35	69.58	173.05	11.59	14.22
STD. DEVIATION	7.86	8.58	10.47	6.50	2.37	19.66	1.25	4.85
COFF/VARIATION	3.74	4.05	5.11	6.28	3.40	11.36	10.78	34.13
TOP	0.12	0.11	0.17	0.12	0.0	0.0	0.50	0.0
BOT	0.19	0.07	0.13	0.18	0.08	0.0	0.0	0.0
VETA ONE	-0.10	-0.07	-0.06	0.08	0.01	0.18	0.21	1.01
VETA TWO	3.00	2.90	2.95	3.11	2.79	2.71	2.18	2.73
(N-20)-AVG EST	209.90	211.61	204.75	103.35	69.58	173.06	11.58	14.17
(N-20)-S.D.EST	7.86	8.59	10.48	6.49	2.39	19.91	1.27	4.92
PCT OIFF/MEANS	-0.	0.	-0.	-0.	0.	-0.	1.	1.
PCT DIF/ST DVS	-0.	-0.	-0.	0.	-1.	-1.	-2.	-1.
SIZE OF SAMPLE	2420	2420	2420	2420	2382	2381	2420	2415

** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)
 XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 193 THROUGH 200

	193	194	195	196	197	198	199	200
	AIRCRAFT	BIRTHPLA	BIRTHPLA	BIRTHPLA	RACE	HANDEDNE	BLOOD TY	RH FACTO
	CE SUBJECT	CE FATHER	CE MOTHER	CE SUBJECT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
	VALUE SBCT	VALUE SBCT	VALUE SBCT	VALUE SBCT	VALUE SBCT	VALUE SBCT	VALUE SBCT	VALUE SBCT
1ST SMALLEST	1.0 62	9.0 429	9.0 81	9.0 113	1.0 15	1.0 15	1.0 38	1.0 86
2ND SMALLEST	1.0 45	9.0 330	9.0 61	9.0 97	1.0 16	1.0 16	1.0 36	1.0 75
3RD SMALLEST	1.0 41	9.0 309	9.0 58	9.0 84	1.0 17	1.0 17	1.0 20	1.0 73
4TH SMALLEST	1.0 40	9.0 299	9.0 37	9.0 81	1.0 18	1.0 18	1.0 22	1.0 70
5TH SMALLEST	1.0 39	9.0 213	9.0 36	9.0 61	1.0 19	1.0 19	1.0 25	1.0 67
6TH SMALLEST	1.0 16	9.0 174	9.0 15	9.0 57	1.0 20	1.0 20	1.0 27	1.0 58
7TH SMALLEST	1.0 20	9.0 144	9.0 27	9.0 15	1.0 21	1.0 21	1.0 28	1.0 57
8TH SMALLEST	1.0 28	9.0 135	9.0 33	9.0 27	1.0 22	1.0 22	1.0 32	1.0 44
9TH SMALLEST	1.0 33	9.0 84	9.0 34	9.0 34	1.0 24	1.0 24	1.0 34	1.0 18
XTH SMALLEST	1.0 34	9.0 81	9.0 35	9.0 35	1.0 25	1.0 25	1.0 35	1.0 26

XTH LARGEST	4.0 38	95.0 115	93.0 1260	55.0 190	3.0 115	3.0 43	4.0 15	2.0 25
9TH LARGEST	4.0 44	95.0 186	93.0 1271	55.0 905	3.0 186	3.0 79	4.0 16	2.0 27
8TH LARGEST	4.0 46	95.0 188	93.0 1276	95.0 1282	3.0 513	3.0 175	4.0 18	2.0 28
7TH LARGEST	5.0 24	95.0 190	95.0 1284	95.0 1284	3.0 695	3.0 236	4.0 19	2.0 29
6TH LARGEST	5.0 65	95.0 210	95.0 1282	55.0 1360	3.0 901	3.0 297	4.0 21	2.0 30
5TH LARGEST	5.0 75	95.0 1282	95.0 1284	95.0 1437	3.0 1214	3.0 348	4.0 24	2.0 31
4TH LARGEST	5.0 222	95.0 1284	95.0 1360	95.0 1594	3.0 1227	3.0 385	4.0 26	2.0 32
3RD LARGEST	5.0 226	95.0 1360	55.0 1594	95.0 1635	3.0 1284	3.0 444	4.0 29	2.0 33
2ND LARGEST	5.0 2442	95.0 1437	55.0 1435	55.0 1770	3.0 1294	3.0 504	4.0 30	2.0 34
1ST LARGEST	5.0 2443	95.0 1552	95.0 2090	55.0 2090	3.0 1360	3.0 507	4.0 33	2.0 35
THE MEAN VALUE	2.40	49.67	45.21	46.43	1.02	1.13	2.59	1.83
STD. DEVIATION	1.23	24.02	23.64	23.66	0.18	0.40	1.41	0.38
COFF/VARIATION	51.33	48.36	52.17	50.96	17.50	35.61	54.58	20.69
••TOP••	0.33	0.0	0.02	0.0	0.0	0.0	0.0	0.0
••BOT••	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VETA ONE	0.12	0.19	0.12	0.12	9.09	3.16	-0.10	-1.73
VETA TWO	1.45	1.92	1.56	1.57	90.74	12.67	1.12	4.00
(N-20)-AVG EST	2.39	49.66	45.25	46.38	1.01	1.13	2.59	1.83
(N-20)-S.D.EST	1.26	24.61	24.21	24.23	0.13	0.40	1.46	0.39
PCT DIFF/MEANS	0.	0.	0.	0.	6.	2.	-0.	-1.
PCT DIF/ST DVS	-3.	-2.	-2.	-2.	38.	1.	-3.	-3.
SIZE OF SAMPLE	2410	2418	2355	2397	2405	2408	2394	2361

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME II - 1967 SURVEY OF FLYING PERSONNEL **

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II
 STATISTICS FOR VARIABLES 201 THROUGH 201

COMMAND	201	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	1.0	256									
2ND SMALLEST	1.0	255									
3RD SMALLEST	1.0	254									
4TH SMALLEST	1.0	253									
5TH SMALLEST	1.0	252									
6TH SMALLEST	1.0	251									
7TH SMALLEST	1.0	250									
8TH SMALLEST	1.0	248									
9TH SMALLEST	1.0	246									
XTH SMALLEST	1.0	163									

XTH LARGEST	9.0	17									
9TH LARGEST	9.0	21									
8TH LARGEST	9.0	26									
7TH LARGEST	9.0	28									
6TH LARGEST	9.0	32									
5TH LARGEST	9.0	34									
4TH LARGEST	9.0	36									
3RD LARGEST	9.0	38									
2ND LARGEST	9.0	40									
1ST LARGEST	9.0	46									
THE MEAN VALUE		2.83									
STD. DEVIATION		1.85									
COFF/VARIATION		65.45									
••TOP••		0.0									
••BOT••		0.0									
VETA ONE		1.26									
VETA TWO		4.81									
(N-2D)-AVG EST		2.81									
(N-2D)-S.D.EST		1.87									
PCT DIFF/MEANS		1.									
PCT DIF/ST DVS		-1.									
SIZE OF SAMPLE		2420									

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OE	V-I	V-II	V	CELM	OELS	A	THE RANGE CARO VALUES---			INTV1	INTV2	CF1	CF2
											MIN	MAX	AVG				
1	AGE	300.32	63.04	0.76	2.72	21.01	0.7	-1.4	2420	215.0	207.5	505.0	300.0	10.00	10.00	0.10000	1.00000
2	WEIGHT	173.60	21.44	0.31	3.09	12.31	0.4	-0.2	2420	118.0	110.5	264.0	174.0	5.00	3.00	0.45359	2.20462
3	SKF SUBSCAP R-LNGE	13.88	5.32	1.26	5.07	38.91	1.2	1.0	2420	4.0	3.5	43.0	14.0	2.00	1.00	0.10000	0.39370
4	SKF TRICEPS-LANGE	12.75	5.12	0.57	3.04	40.21	0.6	-0.6	2420	3.0	2.5	33.0	13.0	2.00	1.00	0.10000	0.39370
5	SKF JUX NIPPLE-LOE	13.60	6.70	0.67	3.03	49.21	0.8	-0.7	2420	3.0	2.5	44.0	14.0	2.00	1.00	0.10000	0.39370
6	SKF MAL XIPH O-LGE	12.07	5.67	0.93	3.81	47.01	1.0	0.1	2420	3.0	2.5	38.0	12.0	2.00	1.00	0.10000	0.39370
7	SKF SUPRAILAC-LGE	26.20	11.77	0.29	2.50	44.91	0.5	-1.0	2420	3.0	1.5	63.0	26.0	3.00	2.00	0.10000	0.39370
8	SKF SUPRAPATELLA-L	7.33	2.31	0.70	3.52	31.51	0.7	-0.1	2420	2.0	1.5	17.0	7.0	1.00	1.00	0.10000	0.39370
9	SKF SUBSCAP R-HARP	139.01	49.35	1.30	5.35	35.51	1.2	1.2	2420	52.0	47.5	391.0	139.0	15.00	10.00	0.10000	0.39370
10	SKF TRICEPS-HARP N	123.11	43.32	0.56	3.15	35.21	0.7	-0.4	2420	38.0	37.5	309.0	123.0	10.00	10.00	0.10000	0.39370
11	SKF SUPRAILAC-HPN	242.46	103.57	0.40	2.68	42.71	0.5	-1.1	2420	43.0	42.5	558.0	242.0	20.00	15.00	0.10000	0.39370
12	GRIP STRENGTH	56.48	7.60	0.26	3.23	13.51	0.2	0.1	2420	33.0	31.5	86.0	56.0	2.00	2.00	1.00000	2.20462
13	HEIGHT (STATURE)	1773.43	61.88	0.06	2.86	3.51	0.0	-0.4	2420	1579.0	1577.5	5197.2	1773.0	15.00	10.00	0.10000	0.39370
14	CERVICAL HEIGHT	1520.64	58.22	0.05	2.95	3.81	0.0	-0.3	2420	1347.0	1337.5	5170.2	1521.0	15.00	10.00	0.10000	0.39370
15	ACRCPICN HEIGHT	1452.11	57.54	0.02	2.92	4.01	0.0	-0.2	2420	1278.0	1277.5	5164.4	1452.0	15.00	10.00	0.10000	0.39370
16	RADIALE PEIGHT	1122.94	45.70	0.05	2.93	4.11	0.1	-0.4	2420	991.0	987.5	5127.9	1123.0	10.00	10.00	0.10000	0.39370
17	STYLION HEIGHT	865.76	39.39	0.12	2.94	4.51	0.1	-0.3	2420	754.0	747.5	5100.4	866.0	10.00	10.00	0.10000	0.39370
18	DACTYLION HEIGHT	671.79	35.15	0.11	2.93	5.21	0.1	-0.4	2420	569.0	567.5	788.0	672.0	10.00	5.00	0.10000	0.39370
19	SUPRASTERNALE HGHT	1451.98	55.03	0.07	2.91	3.81	0.0	-0.3	2420	1269.0	1267.5	5162.3	1452.0	15.00	10.00	0.10000	0.39370
20	NIPPLE HEIGHT	1292.43	52.35	0.06	2.91	4.11	0.1	-0.2	2420	1136.0	1127.5	5147.4	1292.0	15.00	10.00	0.10000	0.39370
21	WAIST HT-CMPHALION	1064.69	47.21	0.04	2.93	4.41	0.1	-0.2	2420	919.0	917.5	5123.8	1065.0	15.00	10.00	0.10000	0.39370
22	ILICRISTALE HT	1091.53	48.04	0.05	3.02	4.41	0.1	0.0	2420	942.0	937.5	5126.8	1092.0	15.00	10.00	0.10000	0.39370
23	BUTTOCK HEIGHT	901.06	43.86	0.16	3.12	4.91	0.2	0.2	2420	768.0	767.5	5109.8	901.0	15.00	10.00	0.10000	0.39370
24	TROCHANTERION HGHT	939.57	43.55	0.08	3.09	4.61	0.1	0.2	2420	790.0	787.5	5119.9	940.0	15.00	10.00	0.10000	0.39370
25	GLUTEAL FURROW HGHT	811.15	40.07	0.10	3.10	4.91	0.1	0.3	2420	686.0	677.5	986.0	811.0	15.00	10.00	0.10000	0.39370
26	CRUTCH HEIGHT	850.71	41.50	0.09	3.08	4.91	0.1	0.3	2420	717.0	707.5	5103.5	851.0	15.00	10.00	0.10000	0.39370
27	PATELLA TOP HEIGHT	526.16	25.56	0.10	3.05	4.91	0.0	0.1	2420	441.0	437.5	612.0	526.0	10.00	5.00	0.10000	0.39370
28	KNEE CIRC HEIGHT	496.46	24.88	0.11	3.06	5.01	0.0	0.1	2420	416.0	412.5	586.0	496.0	10.00	5.00	0.10000	0.39370
29	FIBULAR HEIGHT	438.68	22.51	0.14	3.17	5.11	0.2	0.4	2420	362.0	357.5	546.0	439.0	10.00	5.00	0.10000	0.39370
30	CALF HEIGHT	355.52	22.23	0.13	2.95	6.31	0.2	0.1	2420	293.0	292.5	447.0	356.0	10.00	5.00	0.10000	0.39370
31	ANKLE PEIGHT	137.17	11.47	0.36	2.96	8.41	0.3	-0.3	2420	104.0	103.5	180.0	137.0	3.00	2.00	0.10000	0.39370
32	SITTING HEIGHT	931.84	31.76	0.09	2.97	3.41	0.0	-0.0	2420	809.0	807.5	5104.8	932.0	10.00	5.00	0.10000	0.39370
33	EYE HEIGHT/SITTING	809.50	30.46	0.13	3.06	3.71	0.0	-0.0	2420	685.0	682.5	910.0	809.0	10.00	5.00	0.10000	0.39370
34	MIOSMOLOER HT/SIT	645.94	27.40	0.08	3.07	4.21	0.0	-0.2	2420	540.0	537.5	746.0	646.0	10.00	5.00	0.10000	0.39370
35	ACRCPION H GHT/SIT	610.53	28.54	0.09	3.11	4.71	0.0	0.2	2420	496.0	492.5	714.0	611.0	10.00	5.00	0.10000	0.39370
36	ELBOW REST HGHT/SIT	251.64	26.06	0.05	3.12	10.41	-0.0	0.3	2420	157.0	152.5	351.0	252.0	10.00	5.00	0.10000	0.39370
37	KNEE HEIGHT/SITT G	557.64	24.95	0.09	3.02	4.51	0.0	0.0	2420	477.0	472.5	642.0	558.0	10.00	5.00	0.10000	0.39370
38	POPLITEAL HGHT/SIT	437.02	22.46	0.06	3.00	5.11	0.0	-0.0	2420	365.0	362.5	512.0	437.0	5.00	3.00	0.10000	0.39370
39	BUTTOCK-KNEE LGHTH	604.03	27.02	0.13	3.09	4.51	0.1	0.1	2420	518.0	517.5	696.0	604.0	10.00	5.00	0.10000	0.39370
40	BUTTOCK-POPLITEAL	303.75	25.78	0.08	3.00	5.11	0.1	-0.0	2420	425.0	422.5	598.0	504.0	10.00	5.00	0.10000	0.39370
41	ACRM-BICEP CIR LVL	190.06	15.04	0.05	3.02	7.91	0.1	-0.0	2420	139.0	137.5	240.0	190.0	5.00	3.00	0.10000	0.39370
42	SHOULDER-ELBOW LTH	359.49	17.13	0.11	2.95	6.81	0.2	0.1	2420	307.0	305.5	427.0	359.0	5.00	3.00	0.10000	0.39370
43	ACRCPION-RADIALE L	329.46	17.00	0.05	3.02	5.21	0.0	0.0	2420	272.0	269.5	393.0	329.0	5.00	3.00	0.10000	0.39370
44	ELBOW-WRIST LENGTH	299.94	14.11	0.10	3.06	4.71	0.1	-0.0	2420	256.0	255.5	347.0	300.0	5.00	2.00	0.10000	0.39370
45	RADIALE-STYLION LH	268.83	14.21	0.05	2.93	5.31	0.1	-0.2	2420	225.0	223.5	314.0	269.0	5.00	2.00	0.10000	0.39370
46	ELBOW-GRIP LENGTH	352.05	16.17	0.04	2.96	4.61	-0.0	-0.0	2420	297.0	296.5	405.0	352.0	5.00	3.00	0.10000	0.39370
47	THUMB-TIP REACH	803.08	39.80	0.14	3.14	5.01	0.1	0.1	2420	666.0	657.5	958.0	803.0	15.00	10.00	0.10000	0.39370
48	THUMB-TIP R CH/XTD	895.68	45.10	0.13	3.05	5.01	0.1	-0.2	2420	754.0	747.5	5104.9	896.0	15.00	10.00	0.10000	0.39370
49	SLEEVE INSEAM	485.37	25.65	0.08	3.04	5.31	0.1	0.2	2420	399.0	397.5	578.0	485.0	10.00	5.00	0.10000	0.39370
50	BIACRDMIAL BREATH	407.30	19.42	-0.07	3.19	4.81	0.0	0.4	2420	340.0	338.5	474.0	407.0	5.00	3.00	0.10000	0.39370

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OEV	V-I	V-II	V	OELM	DELS	N	MINIMUM	MIN	---THE RANGE CARO VALUES---			INTV2	CF1	CF2
													AVG	MAX	INTV1			
51	BIOELTOIO BREATH	482.42	25.64	0.11	2.98	5.31	0.1	-0.2	2420	400.0	597.5	567.0	482.0	10.00	0.10000	0.39370		
52	CHEST BREATH	327.85	21.17	0.34	3.24	6.51	0.4	0.0	2420	260.0	257.5	415.0	328.0	10.00	0.10000	0.39370		
53	WAIST BROTH-OMPH N	309.59	23.89	0.33	3.60	7.71	0.4	0.7	2420	235.0	232.5	440.0	310.0	10.00	0.10000	0.39370		
54	8ICRISTALE BREATH	279.24	20.45	0.12	3.49	7.31	-0.1	0.6	2420	200.0	197.5	352.0	279.0	10.00	0.10000	0.39370		
55	HIP BREATH	352.67	18.85	0.28	3.57	7.31	0.3	0.8	2420	287.0	282.5	446.0	353.0	10.00	0.10000	0.39370		
56	HIP BREATH SITT G	377.95	23.01	0.30	3.52	6.11	0.4	0.3	2420	312.0	307.5	478.0	378.0	10.00	0.10000	0.39370		
57	ELBOW BROTH 8CNE/R	70.83	3.60	0.00	3.01	5.11	0.1	-0.1	2420	59.0	58.5	83.0	71.0	1.00	0.10000	0.39370		
58	ELBOW BROTH 8CNE/L	70.95	3.50	0.00	3.04	4.91	0.0	0.1	2420	59.0	58.5	83.0	71.0	1.00	0.10000	0.39370		
59	F ARM-F ARM 8R OTH	543.25	37.84	0.13	3.02	7.01	0.2	0.1	2420	410.0	407.5	708.0	543.0	15.00	0.10000	0.39370		
60	KNEE 8R OTH 8ONE/R	99.75	4.49	0.15	3.06	4.51	0.1	-0.1	2420	85.0	84.5	116.0	100.0	2.00	0.10000	0.39370		
61	KNEE 8L OTH 8ONE/L	99.61	4.51	0.14	3.06	4.51	0.1	-0.1	2420	86.0	85.5	117.0	100.0	2.00	0.10000	0.39370		
62	CHEST DEPTH	245.22	19.29	0.12	2.98	7.91	0.3	-0.1	2420	191.0	188.5	316.0	245.0	5.00	0.10000	0.39370		
63	WAIST DEPTH-OMPH N	223.06	21.80	0.37	3.37	9.81	0.4	0.2	2420	164.0	162.5	336.0	223.0	10.00	0.10000	0.39370		
64	BUTTOCK DEPTH	239.72	20.53	0.19	3.13	8.61	0.2	0.3	2420	171.0	167.5	338.0	240.0	10.00	0.10000	0.39370		
65	THIGH CLEARANCE HT	165.28	13.79	0.13	3.02	8.31	0.2	-0.1	2420	125.0	123.5	217.0	165.0	5.00	0.10000	0.39370		
66	NECK CIRC -MAXIMUM	383.41	19.08	0.29	3.18	5.01	0.3	-0.1	2420	327.0	326.5	450.0	383.0	5.00	0.10000	0.39370		
67	SHOULDER CIRCUM CE	1176.93	58.18	0.12	3.04	4.91	0.1	-0.1	2420	998.0	997.5	1367.0	1177.0	15.00	0.10000	0.39370		
68	CHEST CIRC AT SCYE	1022.56	60.67	0.11	3.05	5.91	0.1	0.0	2420	794.0	787.5	1243.0	1023.0	20.00	0.10000	0.39370		
69	CHEST CIRCUMF ENCE	985.51	63.52	0.24	3.07	6.41	0.3	0.1	2420	777.0	767.5	1214.0	986.0	15.00	0.10000	0.39370		
70	WAIST CIRC-OMPHAL N	876.01	73.84	0.26	3.23	8.41	0.4	0.2	2420	681.0	672.5	1246.0	876.0	20.00	0.10000	0.39370		
71	WAIST CIRC-OMPH/SIT	874.07	74.92	0.29	3.32	8.61	0.4	0.2	2420	668.0	657.5	1280.0	874.0	25.00	0.10000	0.39370		
72	BUTTOCK CIRCUMF CE	986.19	55.11	0.21	3.25	5.61	0.3	0.3	2420	814.0	807.5	1244.0	986.0	15.00	0.10000	0.39370		
73	BUTTOCK CIRCUM/SIT	1076.38	67.45	0.29	3.26	6.31	0.3	0.2	2420	868.0	867.5	1111.0	1076.0	20.00	0.10000	0.39370		
74	VERTICAL TRUNK CIRC	1480.72	71.61	0.18	3.26	4.31	0.2	0.4	2420	1426.0	1422.5	1975.0	1481.0	20.00	0.10000	0.39370		
75	VERT TRUNK CIRC/SIT	1613.06	69.50	0.15	3.06	4.31	0.0	0.1	2420	1371.0	1367.5	1856.0	1613.0	20.00	0.10000	0.39370		
76	SCROTAL-ANT WAIST	284.17	20.55	0.27	3.12	7.21	0.2	0.1	2420	226.0	224.5	363.0	284.0	5.00	0.10000	0.39370		
77	SCROTAL-A WAIST/S	254.34	16.94	0.13	2.99	6.71	0.1	0.1	2420	200.0	197.5	317.0	254.0	5.00	0.10000	0.39370		
78	SCRITL-SUPRSTRNLE	688.29	34.14	0.28	3.02	5.01	0.3	-0.1	2420	599.0	597.5	822.0	688.0	10.00	0.10000	0.39370		
79	SCRITL-SUPRSTRNLE/S	635.65	29.99	0.15	3.19	4.71	0.2	0.6	2420	525.0	522.5	755.0	636.0	10.00	0.10000	0.39370		
80	SCRITL-ANT SCYE LVL	537.93	31.34	0.26	2.99	5.81	0.2	-0.2	2420	431.0	427.5	641.0	538.0	10.00	0.10000	0.39370		
81	SCRITL-ANT SCYE L/S	484.72	29.56	0.10	2.96	6.11	-0.0	0.0	2420	366.0	362.5	580.0	485.0	10.00	0.10000	0.39370		
82	SCRITL-A MIO SHOULR	773.50	37.27	0.22	3.07	4.81	0.2	0.0	2420	664.0	657.5	914.0	773.0	10.00	0.10000	0.39370		
83	SCRITL-A MIO SHOULR/S	723.52	32.86	0.07	3.13	4.51	0.0	0.2	2420	597.0	592.5	838.0	724.0	10.00	0.10000	0.39370		
84	SCROTAL-POST WAIST	353.39	29.18	0.13	3.02	8.31	0.1	-0.2	2420	256.0	252.5	448.0	353.0	10.00	0.10000	0.39370		
85	SCRITL-WAIST OVR 8K	426.12	30.14	0.18	3.08	7.11	0.2	-0.1	2420	336.0	332.5	531.0	426.0	10.00	0.10000	0.39370		
86	SCROTAL-P WAIST/S	365.47	31.15	0.05	3.14	8.51	0.1	0.2	2420	266.0	262.5	503.0	365.0	10.00	0.10000	0.39370		
87	SCRITL-WAIST/8UTT/S	395.21	29.24	0.06	3.16	7.41	0.0	0.4	2420	293.0	292.5	524.0	395.0	10.00	0.10000	0.39370		
88	SCROTAL-CERVICAL	826.26	39.58	0.06	2.90	4.81	0.0	-0.2	2420	697.0	687.5	965.0	826.0	10.00	0.10000	0.39370		
89	SCROTAL-CERVICLE/S	844.53	39.68	0.04	2.94	4.71	0.0	-0.5	2420	712.0	707.5	988.0	845.0	10.00	0.10000	0.39370		
90	SCRITL-POST SCYE LVL	621.01	35.60	0.03	2.97	5.71	0.0	0.0	2420	518.0	517.5	742.0	622.0	10.00	0.10000	0.39370		
91	SCRITL-POST SCYE L/S	645.69	35.91	0.07	3.02	5.61	0.0	0.0	2420	526.0	517.5	780.0	646.0	10.00	0.10000	0.39370		
92	SCRITL-P MIO SHOULR	853.34	40.58	0.11	2.89	4.81	0.1	-0.1	2420	725.0	717.5	993.0	853.0	10.00	0.10000	0.39370		
93	SCRITL-MOSHLO OVR 8	914.46	41.54	0.11	2.89	4.51	0.1	-0.2	2420	782.0	777.5	1044.0	914.0	10.00	0.10000	0.39370		
94	SCRITL-P MOSHLO/S	873.00	41.87	0.08	3.01	4.81	0.0	-0.0	2420	741.0	737.5	1043.0	873.0	15.00	0.10000	0.39370		
95	SCRITL-MOSHLO 0 B/S	892.65	41.06	0.06	3.00	4.61	-0.0	0.2	2420	755.0	747.5	1055.0	893.0	15.00	0.10000	0.39370		
96	UPPER THIGH CIRCUM	588.15	44.32	0.11	3.17	7.51	0.2	0.1	2420	457.0	447.5	759.0	588.0	15.00	0.10000	0.39370		
97	UPPER THIGH C/SIT	578.75	42.67	0.06	3.13	7.41	0.1	0.0	2420	445.0	437.5	734.0	579.0	10.00	0.10000	0.39370		
98	KNEE CIRCUMFERENCE	386.76	20.74	0.19	3.28	5.41	0.2	0.4	2420	315.0	312.5	482.0	387.0	10.00	0.10000	0.39370		
99	KNEE CIRCUM CE/SIT	393.00	21.23	0.30	3.22	5.41	0.3	0.3	2420	335.0	332.5	486.0	393.0	10.00	0.10000	0.39370		
100	CALF CIRCUMF/RIGHT	371.93	22.69	0.11	3.08	6.11	0.2	0.2	2420	302.0	297.5	452.0	372.0	10.00	0.10000	0.39370		

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO DEV	V-I	V-II	V	DELM	OELS	N	MINIMUM	MIN	--THE RANGE CARO VALUES--			CFI	CFZ
												INTV1	INTV2	INTV3		
101	CALF CIRCUMF/LEFT	369.31	22.29	0.13	3.16	6.01	0.2	0.2	2420	299.0	297.5	452.0	369.0	10.00	0.10000	0.39370
102	ANKLE CIRCUMF ENCE	224.12	12.63	0.19	3.12	5.61	0.1	0.1	2420	182.0	181.5	267.0	224.0	3.00	0.10000	0.39370
103	SCYE CIRCUMFERENCE	483.60	27.85	0.08	3.00	5.81	0.1	-0.2	2420	406.0	402.5	596.0	484.0	10.00	0.10000	0.39370
104	8ICEPS C-EXTEN0/RT	307.86	23.56	0.12	3.00	7.61	0.1	-0.2	2420	232.0	227.5	388.0	308.0	10.00	0.10000	0.39370
105	8ICEPS C-EXTEN0/LT	303.93	23.38	0.10	2.99	7.71	0.1	-0.2	2420	220.0	217.5	384.0	304.0	10.00	0.10000	0.39370
106	8ICEPS C-FLEXYD/RT	327.45	22.59	0.12	3.05	6.91	0.1	-0.1	2420	256.0	252.5	408.0	327.0	10.00	0.10000	0.39370
107	8ICEPS C-FLEXYD/LT	321.20	22.46	0.16	3.06	7.01	0.1	-0.3	2420	252.0	251.5	401.0	321.0	5.00	0.10000	0.39370
108	ELBOW CIR-EXTEN0E0	276.69	14.33	0.16	2.89	5.21	0.1	-0.4	2420	233.0	231.5	322.0	277.0	5.00	0.10000	0.39370
109	ELBOW CIR-EXTEN0E1	312.39	17.46	0.18	2.98	5.61	0.1	-0.1	2420	259.0	257.5	369.0	312.0	5.00	0.10000	0.39370
110	LOWER ARM C-EXTEN0	281.56	14.60	0.10	2.93	5.21	0.0	-0.3	2420	235.0	233.5	327.0	282.0	5.00	0.10000	0.39370
111	LOWER ARM C-FLEX0	297.67	15.77	0.17	3.06	5.31	0.1	-0.1	2420	242.0	239.5	354.0	298.0	5.00	0.10000	0.39370
112	WRIST CIRCUMF ENCE	175.88	9.20	0.35	3.07	5.21	0.2	-0.3	2420	151.0	149.5	208.0	176.0	2.00	0.10000	0.39370
113	SLVE L/SPINE-SCYE	284.47	18.08	0.08	2.94	6.41	0.2	-0.2	2420	231.0	230.5	354.0	284.0	5.00	0.10000	0.39370
114	SLVE L/SPINE-ELBOW	605.70	26.18	0.19	3.03	4.31	0.2	-0.0	2420	525.0	522.5	705.0	606.0	10.00	0.10000	0.39370
115	SLVE L/SPINE-WRIST	908.10	35.22	0.14	2.98	3.91	0.1	0.1	2420	791.0	787.5	1045.0	908.0	10.00	0.10000	0.39370
116	ANTERIOR NECK LGTH	84.28	16.85	-0.31	3.29	20.01	-0.2	0.1	2420	21.0	20.5	138.0	84.0	5.00	0.10000	0.39370
117	POSTERIOR NECK LGTH	132.49	16.88	0.14	2.80	12.71	0.1	0.4	2420	84.0	83.5	199.0	132.0	5.00	0.10000	0.39370
118	SHOULDER LENGTH	166.03	12.60	0.26	3.18	7.61	0.3	0.2	2420	132.0	131.5	217.0	166.0	3.00	0.10000	0.39370
119	DELTOID ARC	159.09	13.29	0.47	3.48	8.41	0.4	0.1	2420	118.0	117.5	206.0	159.0	3.00	0.10000	0.39370
120	INTERSCYE	387.57	37.64	-0.02	2.92	4.71	0.0	-0.3	2420	271.0	267.5	504.0	388.0	10.00	0.10000	0.39370
121	INTERSCYE MAXIMUM	615.44	30.18	-0.06	3.17	4.91	-0.1	0.1	2420	495.0	492.5	713.0	615.0	10.00	0.10000	0.39370
122	MAIST FRGNT-OMPH N	404.21	22.17	0.30	3.23	5.51	0.4	0.2	2420	342.0	337.5	492.0	404.0	10.00	0.10000	0.39370
123	CROTCH LGTH-OMPH N	706.06	44.29	0.21	3.03	6.31	0.1	0.0	2420	569.0	567.5	857.0	706.0	10.00	0.10000	0.39370
124	MAIST BACK-OMPH N	469.19	23.72	0.15	3.00	5.11	0.2	-0.1	2420	403.0	402.5	563.0	469.0	10.00	0.10000	0.39370
125	FOOT LENGTH	270.35	11.90	0.15	3.05	4.41	0.2	0.1	2420	232.0	231.5	313.0	270.0	3.00	0.10000	0.39370
126	INSTEP LENGTH	197.94	9.52	0.09	3.19	4.81	0.1	0.3	2420	165.0	163.5	234.0	198.0	3.00	0.10000	0.39370
127	FOOT BREADTH	97.67	4.95	0.31	3.20	5.11	0.4	0.2	2420	84.0	83.5	117.0	98.0	2.00	0.10000	0.39370
128	BALL-OF-FOOT CIRC	248.40	12.31	0.26	3.13	5.01	0.2	-0.2	2420	212.0	211.5	294.0	248.0	3.00	0.10000	0.39370
129	INSTEP CIRCUMF NCE	256.93	12.07	0.33	3.24	4.71	0.3	0.1	2420	224.0	223.5	306.0	257.0	3.00	0.10000	0.39370
130	HEEL CIRCUMFERENCE	339.46	14.12	0.13	3.03	4.21	0.2	-0.0	2420	292.0	290.5	396.0	339.0	5.00	0.10000	0.39370
131	8I-MALLEOLAR BHDTH	73.28	3.82	0.21	3.23	5.21	0.3	0.5	2420	58.0	57.5	89.0	73.0	2.00	0.10000	0.39370
132	LAT L MALLEOLUS HT	70.39	5.41	0.14	3.11	7.71	0.2	-0.1	2420	54.0	53.5	89.0	70.0	2.00	0.10000	0.39370
133	MEO L MALLEOLUS HT	85.69	5.68	0.03	2.89	6.61	0.0	-0.3	2420	68.0	67.5	104.0	86.0	2.00	0.10000	0.39370
134	HAND LENGTH	191.10	8.20	0.16	3.01	4.31	0.2	-0.2	2420	167.0	165.5	222.0	191.0	2.00	0.10000	0.39370
135	PALM LENGTH	108.30	5.41	0.13	2.86	5.01	0.2	-0.2	2420	93.0	92.5	128.0	108.0	2.00	0.10000	0.39370
136	HANO 8R/METACARPLE	89.03	4.15	0.12	2.96	4.71	0.1	-0.3	2420	76.0	75.5	102.0	89.0	1.00	0.10000	0.39370
137	HANO 8RTH AT THUMB	101.94	4.96	0.17	3.09	4.91	0.2	0.3	2420	86.0	85.5	123.0	102.0	2.00	0.10000	0.39370
138	HANO C/METACARPALE	215.54	9.36	0.11	2.94	4.31	0.1	-0.2	2420	184.0	183.5	247.0	216.0	3.00	0.10000	0.39370
139	HANO C ROUND THUMB	257.54	10.80	0.17	2.91	4.21	0.1	-0.1	2420	219.0	217.5	299.0	258.0	3.00	0.10000	0.39370
140	HANO THICK/META-3	27.66	2.09	0.02	3.74	7.61	-0.0	0.8	2420	20.0	19.5	36.0	28.0	1.00	0.10000	0.39370
141	HEAO CIRCUMFERENCE	575.19	14.28	0.12	2.91	2.51	0.1	-0.2	2420	527.0	525.5	620.0	575.0	5.00	0.10000	0.39370
142	SAGITTAL ARC/INION	346.41	16.59	-0.02	2.85	4.81	0.1	-0.4	2420	300.0	299.5	403.0	346.0	5.00	0.10000	0.39370
143	MINIMUM FRONTAL ARC	136.00	7.86	0.12	3.02	5.81	0.2	0.0	2420	113.0	111.5	169.0	136.0	2.00	0.10000	0.39370
144	8ITRAGON-CORONAL	357.57	12.59	0.04	3.03	3.51	0.1	-0.2	2420	321.0	319.5	402.0	358.0	3.00	0.10000	0.39370
145	8ITRAGM-MIN FRONTAL	308.06	9.96	0.06	3.10	3.21	0.1	0.2	2420	273.0	271.5	349.0	308.0	3.00	0.10000	0.39370
146	8ITRAG N-SUBNASALE	293.11	10.24	-0.01	2.96	3.51	-0.0	0.1	2420	260.0	259.5	328.0	293.0	3.00	0.10000	0.39370
147	8ITRAGON-MENTON	326.47	12.36	0.01	2.79	3.81	-0.0	-0.3	2420	282.0	281.5	367.0	326.0	3.00	0.10000	0.39370
148	8IT-8ITRAGON-MENTON	309.81	15.77	0.02	2.93	5.11	0.1	-0.1	2420	259.0	257.5	367.0	310.0	5.00	0.10000	0.39370
149	8ITRAG N-POSTERIOR	294.49	14.95	0.42	3.14	5.11	0.4	-0.0	2420	253.0	251.5	354.0	294.0	5.00	0.10000	0.39370
150	HEAO LENGTH	198.71	6.74	0.10	3.17	3.41	0.1	0.4	2420	175.0	173.5	226.0	199.0	2.00	0.10000	0.39370

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER CN THE PRECEING PAGES OR ON THE PUNCHED RANGE CAROS

NO.	VARIABLE NAME	MEAN	STO	OEV	V-I	V-II	V	OELM	OELS	N	MINIMUM	MIN	MAX	AVG	---THE RANGE CARO VALUES---			CF1	CF2
															INTV1	INTV2	INTV3		
151	HEAO OIAGN/MENTON	256.03	7.59	0.12	2.94	3.01	0.1	0.1	0.1	2420	232.0	231.5	285.0	256.0	2.00	0.10000	0.39370		
152	HO OIAG/INION-NOSE	219.37	10.14	0.00	3.12	4.61	0.2	0.3	0.3	2420	188.0	187.5	256.0	219.0	3.00	0.10000	0.39370		
153	EAR BREATH	37.97	3.00	0.20	3.34	7.91	0.0	0.0	0.0	2420	27.0	26.5	49.0	38.0	1.00	0.10000	0.39370		
154	EAR LENGTH	65.95	4.26	0.15	3.41	6.51	0.0	0.0	0.0	2420	49.0	48.5	83.0	66.0	2.00	0.10000	0.39370		
155	EAR L ABEV TRAGION	29.37	2.93	0.34	3.32	10.01	0.4	0.2	0.2	2420	21.0	20.5	41.0	29.0	1.00	0.10000	0.39370		
156	HEAO BREATH	156.00	5.43	0.13	2.94	3.51	0.1	0.1	0.1	2420	139.0	138.5	176.0	156.0	2.00	0.10000	0.39370		
157	MAXIMUM FRONTAL BR	116.03	4.56	0.03	3.36	3.91	0.0	0.0	0.0	2420	96.0	95.5	131.0	116.0	2.00	0.10000	0.39370		
158	BITRAGION BREATH	142.53	5.56	0.06	2.97	3.91	0.0	0.0	0.0	2420	124.0	123.5	161.0	143.0	2.00	0.10000	0.39370		
159	BIZYGOMATIC BR OTH	142.26	5.15	0.04	3.08	4.61	0.0	0.0	0.0	2420	124.0	123.5	159.0	142.0	2.00	0.10000	0.39370		
160	BIGCNIAL BREATH	117.32	6.90	0.12	2.93	5.91	0.0	0.0	0.0	2420	95.0	94.5	142.0	117.0	2.00	0.10000	0.39370		
161	EAR-TO-EAR BREATH	188.31	8.07	0.10	2.93	4.31	0.0	0.0	0.0	2420	162.0	161.5	215.0	188.0	2.00	0.10000	0.39370		
162	BIOCULAR BREATH	91.71	4.85	0.21	2.94	5.31	0.1	0.0	0.0	2420	78.0	77.5	108.0	92.0	2.00	0.10000	0.39370		
163	INTERPUPILLARY BR OTH	62.69	3.62	0.23	3.18	5.81	0.3	0.0	0.0	2420	51.0	50.5	77.0	63.0	1.00	0.10000	0.39370		
164	INTEROCULAR BR OTH	33.29	2.77	0.11	3.08	8.31	0.0	0.0	0.0	2420	23.0	22.5	48.0	33.0	1.00	0.10000	0.39370		
165	NOSE BREATH	35.43	2.93	0.50	4.02	8.31	0.6	1.5	0.3	2420	39.0	38.5	66.0	52.0	1.00	0.10000	0.39370		
166	LIP LENGTH	52.30	3.74	0.03	3.16	7.21	0.0	0.0	0.0	2420	42.0	41.5	33.0	22.0	1.00	0.10000	0.39370		
167	EAR PROTRUSION	21.64	3.36	0.26	2.91	15.51	0.2	0.0	0.0	2420	12.0	11.5	33.0	22.0	1.00	0.10000	0.39370		
168	SUBNASALE-NASAL RT	51.33	3.72	0.03	3.09	7.31	0.0	0.0	0.0	2420	39.0	38.5	64.0	51.0	1.00	0.10000	0.39370		
169	PHILTRUM LENGTH	15.52	2.76	0.16	3.03	17.81	0.1	0.1	0.1	2420	6.0	5.5	25.0	16.0	1.00	0.10000	0.39370		
170	LIP-TO-LIP LENGTH	17.35	3.84	0.21	3.50	22.11	0.0	0.0	0.0	2420	3.0	2.5	32.0	17.0	1.00	0.10000	0.39370		
171	MENTON-SUBNASALE L	69.00	5.27	0.02	2.91	7.61	0.0	0.0	0.0	2420	53.0	52.5	89.0	69.0	2.00	0.10000	0.39370		
172	MENTON-NASAL ROOT	120.32	6.08	0.09	3.10	5.11	0.2	0.3	0.2	2420	98.0	97.5	143.0	120.0	2.00	0.10000	0.39370		
173	GLABELLA-TO-VERTEX	92.75	9.70	0.16	3.04	10.51	0.1	0.0	0.0	2420	82.0	81.5	125.0	93.0	3.00	0.10000	0.39370		
174	NASAL ROOT-TO-VRX	107.46	9.37	0.14	3.00	8.71	0.2	0.0	0.0	2420	70.0	69.5	141.0	107.0	3.00	0.10000	0.39370		
175	XTRNL CANTHUS-VRX	119.51	7.69	0.11	3.01	6.41	0.1	0.0	0.0	2420	92.0	91.5	147.0	120.0	2.00	0.10000	0.39370		
176	PRONASALE-TO-VRX	147.42	11.01	0.16	3.04	7.51	0.1	0.0	0.0	2420	109.0	107.5	185.0	147.0	3.00	0.10000	0.39370		
177	SUBNASALE-TO-VRX	160.88	10.24	0.10	2.93	6.41	0.1	0.0	0.0	2420	125.0	123.5	196.0	161.0	3.00	0.10000	0.39370		
178	STOMION-TO-VERTEX	183.65	9.99	0.09	2.96	5.41	0.1	0.0	0.0	2420	150.0	149.5	219.0	184.0	3.00	0.10000	0.39370		
179	MENTON-TO-VERTEX	227.72	10.22	0.02	2.87	4.51	0.0	0.0	0.0	2420	191.0	189.5	260.0	228.0	3.00	0.10000	0.39370		
180	TRAGION-TO-VERTEX	134.46	6.10	0.00	3.00	4.51	0.1	0.2	0.2	2420	115.0	114.5	155.0	134.0	2.00	0.10000	0.39370		
181	GLABELLA-TO-WALL	203.51	6.74	0.10	3.06	3.31	0.1	0.2	0.2	2420	180.0	179.5	229.0	204.0	2.00	0.10000	0.39370		
182	NASAL ROOT-TO-WALL	201.68	6.58	0.08	3.11	3.31	0.1	0.2	0.2	2420	179.0	178.5	227.0	202.0	2.00	0.10000	0.39370		
183	XTRNL CANTHUS-WALL	177.88	6.61	0.00	3.12	3.71	0.1	0.3	0.2	2420	156.0	155.5	203.0	178.0	2.00	0.10000	0.39370		
184	PRONASALE-TO-WALL	226.79	7.51	0.13	3.02	3.31	0.1	0.2	0.2	2420	196.0	195.5	252.0	227.0	2.00	0.10000	0.39370		
185	SUBNASALE-TO-WALL	209.90	7.86	0.10	3.00	3.71	0.1	0.0	0.0	2420	180.0	179.5	235.0	210.0	2.00	0.10000	0.39370		
186	LIP PROMIN CE-WALL	211.61	8.58	0.07	2.90	4.11	0.1	0.2	0.2	2420	186.0	185.5	240.0	212.0	2.00	0.10000	0.39370		
187	CHIN PROMINCE-WALL	204.74	10.47	0.06	2.95	5.11	0.0	0.0	0.0	2420	170.0	169.5	240.0	203.0	3.00	0.10000	0.39370		
188	TRAGION-TO-WALL	103.35	6.50	0.08	3.11	6.31	0.0	0.1	0.1	2420	81.0	80.5	125.0	103.0	2.00	0.10000	0.39370		
189	GUESSED HEIGHT	69.58	2.37	0.01	2.79	3.41	0.1	0.8	0.8	2382	63.0	62.5	76.0	70.0	1.00	2.54000	0.39370		
190	GUESSED WEIGHT	173.05	19.66	0.18	2.71	11.41	0.0	0.0	0.0	2420	125.0	123.5	221.0	173.0	5.00	0.45359	2.20462		
191	RANK	11.59	1.25	0.21	2.18	10.81	0.5	1.9	1.9	2420	10.0	9.5	16.0	12.0	1.00	1.00000	1.00000		
192	AERO RATING	14.22	4.85	1.01	2.73	34.11	1.0	1.4	1.4	2415	10.0	9.5	30.0	14.0	1.00	1.00000	1.00000		
193	AIRCRAFT CATEGORY	2.40	1.23	0.12	1.45	51.31	0.3	2.7	2.7	2410	1.0	0.5	5.0	2.0	1.00	1.00000	1.00000		
194	BIRTHPLACE SUBJECT	49.67	24.02	0.19	1.92	48.41	0.1	2.4	2.4	2418	9.0	7.5	93.0	50.0	3.00	1.00000	1.00000		
195	BIRTHPLACE FATHER	45.31	23.64	0.12	1.96	52.21	0.2	2.3	2.3	2395	9.0	7.5	95.0	46.0	3.00	1.00000	1.00000		
196	BIRTHPLACE MOTHER	46.43	23.66	0.12	1.97	51.01	0.2	2.3	2.3	2397	9.0	7.5	95.0	46.0	3.00	1.00000	1.00000		
197	RACE	1.02	0.18	0.09	0.74	17.51	6.3	37.7	24.05	1.0	0.5	3.0	1.0	1.00	1.00000	1.00000			
198	HANOENESS	1.13	0.40	0.3	1.61	27.35	1.8	0.9	2.98	1.0	0.5	3.0	1.0	1.00	1.00000	1.00000			
199	BLOOD TYPE	2.59	1.41	0.10	1.12	54.61	0.1	3.3	23.94	1.0	0.5	4.0	3.0	1.00	1.00000	1.00000			
200	RH FACTOR	1.83	0.38	1.73	4.00	20.71	0.7	2.7	2.61	1.0	0.5	2.0	2.0	1.00	1.00000	1.00000			

TABLE 6 (continued)

XVAL PRINTOUTS, VOLUME II

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO. VARIABLE NAME	MEAN	STO	DEV	V-I	V-II	V	DELM	OELS	N	MINIMUM	---THE RANGE CARD VALUES---			INTV2	CF1	CF2
											MIN	MAX	AVG			
201 CUMMANS	2.83	1.85	1.26	4.81	65.51	1.0	-1.2	2420	1.0	0.5	9.0	3.0	1.00	1.00	1.00000	1.00000

Section VII

VOLUME III--THE 1965 SURVEY OF USAF MALE PERSONNEL

The USAF survey of male personnel carried out in 1965 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, and conducted during the spring and summer of that year. 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 where the 2632 basic trainees were measured. The measuring team consisted of Antioch College students and was 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.

The metric contents of this tape have been listed in Table 1. Non-metric variables on the tape include rank (#160), aero rating (#161), birthplaces of subjects and their parents (#162, 163, 164), religion (#165), education (#166), race (#167), marital status (#168), handedness (#171), blood type (#172), Rh Factor (#173), year entered USAF (#174), year of birth (#175), year measured (#176). Coding for these appears in the listing of the heading of the tape in Table 7. Metric data are complete except for instep circumference (#102) and heel-ankle circumference (#103) which were not measured on the first 460 subjects.

The data format (see record 245, Table 7) for Volume III is:

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(I5,9F3.0,12F4.0/,8F3.0,2F4.0,16F3.0/,2(20F4.0/),2F4.0,24F3.0/,  
(26F3.0,F2.0))
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requiring eight cards per subject. With the 244 records of the heading and those of the pseudo data record at the end, the total number of card images on this tape is 31,205.

The XVAL printout for this tape appears in Table 8.

TABLE 7

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0001.. ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **
 REC 0002.. (7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4,7H ,I4) ,I4)
 REC 0003.. NSRVY=0003 NVO = 159 NVT = 176 NSB = 3869 NLS = 62 NDATE=7609
 REC 0004.. (I4,2X,2A9,3F8.2,2F6.2,2F10.7)
 REC 0005.. (I4,2X,3A6,3F8.2,2F6.2,2F10.7)
 REC 0006.. (I4,2X,4A4,A2,3F8.2,2F6.2,2F10.7)
 REC 0007.. A SURVEY OF USAF MALE PERSONNEL CONDUCTED DURING THE SPRING AND SUMMER OF 1965.
 REC 0008.. THE SURVEY WAS PLANNED UNDER THE DIRECTION OF H.T.E. HERTZBERG AND LATER BY MIL
 REC 0009.. TON ALEXANDER AND C.E. CLAUSER OF AMRL AND LLOYD LAUBACH OF THE ANTHROPOLOGY RE
 REC 0010.. SEARCH PROJECT. IN THE FIRST PORTION OF THE SURVEY 549 OFFICERS(396 PILOTS AND
 REC 0011.. NAVIGATORS 153 NON-FLYERS), 4 WARRENT OFFICERS AND 683 ENLISTED MEN WERE MEASU
 REC 0012.. RED. IN THE SECOND HALF, 2632 MEN(2203 WHITE, 412 BLACK, 17 OTHER) UNDERGOING
 REC 0013.. BASIC TRAINING AND ONE SERGEANT WERE MEASURED AT LACKLAND AIR FORCE BASE. OF T
 REC 0014.. HIS LACKLAND GROUP 106 MEN HAD RANKS OTHER THAN BASIC TRAINEE.
 REC 0015.. FIRST SUBJECT NO. IS 1, LAST IS 3952. ALL MEASUREMENT DATA RECORDS (X(1)-X(159
 REC 0016..)) ARE COMPLETE, EXCEPT X(102) AND X(103), INSTEP AND HEEL-ANKLE CIRCUMFERENCES
 REC 0017.. . THESE TWO ARE AVAILABLE FOR ALL SUBJECTS STARTING WITH #467. SKINFOLD MEASU
 REC 0018.. REMENTS WERE ESTIMATED FOR 7 SUBJECTS ON THE BASIS OF WEIGHT CALF HEIGHT FOR 4
 REC 0019.. SUBJECTS ON THE BASIS OF PATELLA BOTTOM HEIGHT, SLEEVE INSEAM FOR 4 SUBJECTS ON
 REC 0020.. THE BASIS OF FUNCTIONAL REACH A HANDFUL OF OTHER MISSING VALUES, ONE, TWO, OR
 REC 0021.. AT MOST THREE, FOR ANY ONE VARIABLE, WERE SET EQUAL TO VALUES CLOSE TO THE APPR
 REC 0022.. OPRIATE MEAN VALUES.
 REC 0023.. CODED VARIABLES----
 REC 0024.. 1.AGE
 REC 0025.. AS REPORTED PLUS 0.5--STORED IN TENTHS OF YEARS.
 REC 0026.. 160.RANK
 REC 0027.. 11-18,BASIC TRAINEE,A3,A2,A1,SGT SSGT,TSGT MSGT / 19-CWO / 20-25,2LT,1LT,CAPT,
 REC 0028.. MAJOR,LT.COL,COL. / 29-CIVILIAN.
 REC 0029.. 161.AERORATING
 REC 0030.. 1-PILOT / 2-NAVIGATOR / 3-BASIC TRAINEE / 4-MSCL AIRCRAFT RELATED /
 REC 0031.. 5-GENERAL MSCL,NGNE,UNKNOWN.
 REC 0032.. 162-164.BIRTHPLACE(SUBJECT,FATHER, AND MOTHER)
 REC 0033.. 1-9,FOREIGN CODES
 REC 0034.. 11-MAINE / 12-NEW HAMP / 13-VERMONT / 14-MASS / 15-RHODE IS / 16-CONN / 21-NEW
 REC 0035.. YORK / 22-NEW JERSEY / 23-PENN / 31-DELAWARE / 32-MARYLAND/ 33-DC / 34-VIRGINIA
 REC 0036.. 35-W VIRGINIA / 36-N CAROLINA / 37-S CAROLINA / 38-GEORGIA / 39-FLORIDA
 REC 0037.. 41-OHIO / 42-INDIANA / 43-ILLINOIS / 44-MICHIGAN / 45-WISCONSIN / 51-KENTUCKY
 REC 0038.. 52-TENNESSEE / 53-MISSISSIPPI / 54-ALABAMA / 61-MINNESOTA / 62-IOWA
 REC 0039.. 63-MISSOURI / 64-N DAKOTA / 65-S DAKOTA / 66-NEBRASKA / 67-KANSAS / 71-ARKANSAS
 REC 0040.. 72-LOUISIANA / 73-OKLAHOMA / 74-TEXAS / 81-MONTANA / 82-IDAHO / 83-WYOMING
 REC 0041.. 84-COLORADO / 85-UTAH / 86-NEVADA 87-ARIZONA / 88-N MEXICO / 91-CALIFORNIA
 REC 0042.. 92-OREGON / 93-WASHINGTON / 94-ALASKA / 95-HAWAII.
 REC 0043.. 165.RELIGION
 REC 0044.. 1-PROTESTANT / 2-CATHOLIC / 3-JEWISH / 4- NO PREFERENCE / 5-UNSPECIFIED CHRIS
 REC 0045.. TIAN / 6-MOSLEM / 7-EASTERN ORTHODOX / 8-JEHOVAH WITNESS / 9-UNITARIAN.
 REC 0046.. 166.EDUCATION
 REC 0047.. NUMBER OF YEARS REPORTED.
 REC 0048.. 167.RACE
 REC 0049.. 1-WHITE / 2-BLACK / 3-CHINESE,JAPANESE / 9-OTHER.
 REC 0050.. 168.MARITAL STATUS
 REC 0051.. 1-SINGLE / 2-MARRIED / 3-DIVORCED / 4-SEPARATED / 5-WIDOWER.
 REC 0052.. 169.GUESSED WEIGHT
 REC 0053.. REPORTED WEIGHT IN POUNDS.
 REC 0054.. 170.GUESSED HEIGHT
 REC 0055.. REPORTED HEIGHT IN INCHES.
 REC 0056.. 171.HANDEDNESS
 REC 0057.. 1-RIGHT / 2-LEFT / 3-AMBIDEXTROUS.
 REC 0058.. 172.BLOOD TYPE
 REC 0059.. 1-A / 2-B / 3-AB / 4-O.
 REC 0060.. 173.RH FACTOR

TABLE 7 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0061..	1-NEGATIVE / 2-POSITIVE.									
REC 0062..	174.YEAR ENTERED AIR FORCE									
REC 0063..	TENTHS OF YEARS SINCE 1900.									
REC 0064..	175.YEAR OF BIRTH									
REC 0065..	TENTHS OF YEARS SINCE 1900.									
REC 0066..	176.YEAR MEASURED									
REC 0067..	HUNOREOHTS OF YEAR SINCE JANUARY 1,1965.									
REC 0068..	**	AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL							**	
REC 0069..	1	AGE	17000	60000	22000	2000	1000	1000000	10000000	
REC 0070..	2	WEIGHT	9350	20900	15600	800	400	4535924	22046223	
REC 0071..	3	SKF SUBSCAPULAR	250	3500	1000	200	100	1000000	3937008	
REC 0072..	4	SKF TRICEPS	50	3300	900	200	100	1000000	3937008	
REC 0073..	5	SKF JUXTA NIPPLE	50	2600	500	200	100	1000000	3937008	
REC 0074..	6	SKF MAL XIPHOIO	150	3400	900	200	100	1000000	3937008	
REC 0075..	7	SKF SUPRA ILIAC	150	4500	1500	200	100	1000000	3937008	
REC 0076..	8	SKF OORSAL HAND	50	500	200	100	100	1000000	3937008	
REC 0077..	9	GRIP STRENGTH	2450	8700	4800	300	200	10000000	22046223	
REC 0078..	10	HEIGHT (STATURE)	151250	199500	175000	2000	1000	1000000	3937008	
REC 0079..	11	CERVICALE HEIGHT	128250	171600	149000	2000	1000	1000000	3937008	
REC 0080..	12	SHOULOER(ACROM) HT	122750	166000	143000	2000	1000	1000000	3937008	
REC 0081..	13	ELBOW (RAOIALE) HT	94750	127800	109000	1500	1000	1000000	3937008	
REC 0082..	14	WRIST (STYLION) HT	72250	100000	85000	1500	1000	1000000	3937008	
REC 0083..	15	OACTYLION HEIGHT	54750	79600	65500	1000	500	1000000	3937008	
REC 0084..	16	SUPRASTERNALE HT	122250	166000	142000	2000	1000	1000000	3937008	
REC 0085..	17	CHEST (NIPPLE) HT	108750	149700	127000	2000	1000	1000000	3937008	
REC 0086..	18	WAIST HEIGHT (OMP)	87750	125100	105000	1500	1000	1000000	3937008	
REC 0087..	19	ILIOCRISTALE	87750	125700	105000	2000	1000	1000000	3937008	
REC 0088..	20	TROCHANTERIC HT	76750	108900	92000	1500	1000	1000000	3937008	
REC 0089..	21	BUTTOCK HEIGHT	73750	109100	90000	1500	1000	1000000	3937008	
REC 0090..	22	CROTCH HEIGHT	68250	99600	83000	1500	1000	1000000	3937008	
REC 0091..	23	GLUTEAL FURROW HT	66750	98100	80000	1500	1000	1000000	3937008	
REC 0092..	24	PATELLA TOP HEIGHT	42250	63600	52000	1000	500	1000000	3937008	
REC 0093..	25	PATELLA BOTTOM HT	37850	57400	46400	800	400	1000000	3937008	
REC 0094..	26	CALF HEIGHT	28650	44900	36000	700	400	1000000	3937008	
REC 0095..	27	ANKLE HEIGHT	8450	19100	12000	500	300	1000000	3937008	
REC 0096..	28	MEO"LL MALLEOLUS HT	5750	10900	8200	300	200	1000000	3937008	
REC 0097..	29	LAT"LL MALLEOLUS HT	4450	9900	7000	300	200	1000000	3937008	
REC 0098..	30	SPHYRION HEIGHT	4150	8900	6600	200	100	1000000	3937008	
REC 0099..	31	SITTING HEIGHT	78750	104500	91000	1500	1000	1000000	3937008	
REC 0100..	32	EYE HEIGHT SITTING	66750	92600	79000	1500	1000	1000000	3937008	
REC 0101..	33	MIO SHOULDER HT/S	53750	74500	63000	1000	500	1000000	3937008	
REC 0102..	34	ELBOW REST HT SIT	14250	33700	23600	800	400	1000000	3937008	
REC 0103..	35	KNEE HEIGHT SIT	45950	65500	55200	800	400	1000000	3937008	
REC 0104..	36	POPLITEAL HT/SIT	36650	54100	44400	700	400	1000000	3937008	
REC 0105..	37	BUTTOCK KNEE LNGTH	48750	70800	60000	1000	500	1000000	3937008	
REC 0106..	38	BUTTOCK POP LENGTH	37250	59000	49000	1000	500	1000000	3937008	
REC 0107..	39	SHOULOER-ELBOW LTH	30750	43900	36600	600	300	1000000	3937008	
REC 0108..	40	ELBOW WRIST LENGTH	23150	35000	28800	500	300	1000000	3937008	
REC 0109..	41	FUNCTIONAL REACH	65750	96300	78000	1500	1000	1000000	3937008	
REC 0110..	42	SLEEVE INSEAM	40950	60500	49200	800	400	1000000	3937008	
REC 0111..	43	BIACROMIAL BREAOTH	33050	47200	39600	600	300	1000000	3937008	
REC 0112..	44	BIOELTOIO BREAOTH	38050	55100	46000	700	400	1000000	3937008	
REC 0113..	45	CHEST BREAOTH/SKIN	24650	43900	31200	800	400	1000000	3937008	
REC 0114..	46	CHEST BREAOTH/BONE	22050	38200	28000	700	400	1000000	3937008	
REC 0115..	47	WAIST BROTH (OMP)	22550	40000	29200	700	400	1000000	3937008	
REC 0116..	48	BI-ILIOCRISTALE	22550	40600	29200	800	400	1000000	3937008	
REC 0117..	49	HIP BREAOTH	27750	42900	34000	700	400	1000000	3937008	
REC 0118..	50	HIP BREADTH SIT	28350	46600	35600	800	400	1000000	3937008	
REC 0119..	51	BITROCHANTERC/BONE	26150	39800	32100	600	300	1000000	3937008	
REC 0120..	52	ELBOW BREAOTH	5550	8800	7200	200	100	1000000	3937008	

TABLE 7 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0121..	53	MAX F**ARM-F**ARM BR	33250	65100	48000	1500	1000	1000000	3937008
REC 0122..	54	WRIST BREADTH	4450	6900	5700	100	100	1000000	3937008
REC 0123..	55	KNEE BREADTH	7950	12100	9600	200	100	1000000	3937008
REC 0124..	56	KNEE-KNEE BR SIT	17150	30600	21600	600	300	1000000	3937008
REC 0125..	57	CHEST DEPTH	15150	32300	22400	700	400	1000000	3937008
REC 0126..	58	WAIST DEPTH (OMP)	15250	33000	20800	800	400	1000000	3937008
REC 0127..	59	ABDOMINAL DPTH/SIT	17250	38200	23000	1000	500	1000000	3937008
REC 0128..	60	BUTTOCK DEPTH	17850	35000	23200	700	400	1000000	3937008
REC 0129..	61	THIGH CLEAR HT SIT	11350	20500	15200	400	200	1000000	3937008
REC 0130..	62	NECK CIRC MAXIMUM	30850	47700	36800	700	400	1000000	3937008
REC 0131..	63	SHOULDER CIRC	91750	138500	112000	2000	1000	1000000	3937008
REC 0132..	64	CHEST CIRCUMF**ENCE	69750	125900	93000	2500	1500	1000000	3937008
REC 0133..	65	WAIST CIRC (OMPH)	62250	115000	79500	2500	1500	1000000	3937008
REC 0134..	66	BUTTOCK CIRC	74250	121400	93000	2000	1000	1000000	3937008
REC 0135..	67	BUTTOCK CIRC/SIT	81250	136500	100500	2500	1500	1000000	3937008
REC 0136..	68	VERTICAL TRUNK CIR	138750	194400	162000	2500	2000	1000000	3937008
REC 0137..	69	VERT TRUNK CIR SIT	132750	182800	155000	2000	1000	1000000	3937008
REC 0138..	70	UPPER THIGH CIRC	40750	76400	54000	1500	1000	1000000	3937008
REC 0139..	71	THIGH CIRC SITTING	41250	74200	54000	1500	1000	1000000	3937008
REC 0140..	72	LOWER THIGH CIRC	30750	58400	41000	1500	1000	1000000	3937008
REC 0141..	73	KNEE CIRCUMFERENCE	30350	48300	37600	800	400	1000000	3937008
REC 0142..	74	KNEE CIRC SITTING	31950	48500	38000	700	400	1000000	3937008
REC 0143..	75	CALF CIRCUMFERENCE	27750	48300	36000	1000	500	1000000	3937008
REC 0144..	76	ANKLE CIRCUMF**ENCE	17750	28400	22500	500	300	1000000	3937008
REC 0145..	77	SCYE CIRCUMFERENCE	33850	53800	42400	800	400	1000000	3937008
REC 0146..	78	BICEPS CIRC EXT	20250	38000	27600	800	400	1000000	3937008
REC 0147..	79	BICEPS CIRC FLEXED	23050	41000	30800	800	400	1000000	3937008
REC 0148..	80	ELBOW CIRC EXT	20150	32300	26100	500	300	1000000	3937008
REC 0149..	81	ELBOW CIRC FLEXED	24550	39500	30900	600	300	1000000	3937008
REC 0150..	82	FOREARM CIRC EXT	22050	33400	26700	500	300	1000000	3937008
REC 0151..	83	FOREARM CIR FLEXED	23250	36200	28800	600	300	1000000	3937008
REC 0152..	84	WRIST CIRCUMF**ENCE	14050	26400	17000	300	200	1000000	3937008
REC 0153..	85	SL SPINE/SCYE	17650	30200	23400	600	300	1000000	3937008
REC 0154..	86	SL SPINE-ELBOW	48250	69500	58500	1000	500	1000000	3937008
REC 0155..	87	SL SPINE-WRIST	73750	100700	88000	1500	1000	1000000	3937008
REC 0156..	88	ANTERIOR NECK LGTH	4450	15500	9300	500	300	1000000	3937008
REC 0157..	89	POSTERIOR NECK LTH	5150	15200	9900	500	300	1000000	3937008
REC 0158..	90	SHOULDER LENGTH	11950	23100	17400	500	300	1000000	3937008
REC 0159..	91	DELTOID ARC	11750	21200	15600	400	200	1000000	3937008
REC 0160..	92	INTERSCYE	27250	49000	37500	1000	500	1000000	3937008
REC 0161..	93	INTERSCYE MAXIMUM	42250	64400	52500	1000	500	1000000	3937008
REC 0162..	94	WAIST FRONT	30650	48200	38400	800	400	1000000	3937008
REC 0163..	95	CROTCH LENGTH	53250	87400	67000	1500	1000	1000000	3937008
REC 0164..	96	WAIST BACK	34750	55800	46000	1000	500	1000000	3937008
REC 0165..	97	FOOT LENGTH	22550	31700	26600	400	200	1000000	3937008
REC 0166..	98	BALL-OF-FOOT LNPTH	16050	23600	19400	400	200	1000000	3937008
REC 0167..	99	BALL-OF-FOOT BROTH	7950	12000	9800	200	100	1000000	3937008
REC 0168..	100	BI-MALLEOLAR BROTH	6050	8900	7400	200	100	1000000	3937008
REC 0169..	101	BALL-OF-FOOT GIRTH	20650	30100	25200	400	200	1000000	3937008
REC 0170..	102	INSTEP CIRCUMF**NCE	22850	32400	27200	400	200	1000000	3937008
REC 0171..	103	HEEL-ANKLE CIRCUMF	28850	39900	33900	500	300	1000000	3937008
REC 0172..	104	HAND LENGTH	16050	23700	19600	400	200	1000000	3937008
REC 0173..	105	PALM LENGTH	8850	13800	11400	200	100	1000000	3937008
REC 0174..	106	HAND BREADTH/META	7350	10500	8800	200	100	1000000	3937008
REC 0175..	107	HAND CIRC/META	17150	25500	21400	400	200	1000000	3937008
REC 0176..	108	HAND CIRC/THUMB	21350	29300	25200	400	200	1000000	3937008
REC 0177..	109	THICKNESS META/III	2050	3800	2900	100	100	1000000	3937008
REC 0178..	110	FINGER DIAM III	1150	1600	1300	100	100	1587503	3937008
REC 0179..	111	HEAD CIRCUMFERENCE	50450	61800	56100	500	300	1000000	3937008
REC 0180..	112	SAGITTAL ARC	33650	43100	37800	400	200	1000000	3937008

TABLE 7 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0181..	113	MINIMUM FRONTL ARC	9450	15400	11800	300	200	1000000	3937008
REC 0182..	114	BIT-CORONAL ARC	30450	40500	34800	500	300	1000000	3937008
REC 0183..	115	BIT-MIN FRONTAL A	26950	34900	30400	400	200	1000000	3937008
REC 0184..	116	BIT-SUBNASALE ARC	24450	33000	28600	400	200	1000000	3937008
REC 0185..	117	BIT-MENTON ARC	26450	36300	31400	400	200	1000000	3937008
REC 0186..	118	BIT-SUBMANDIB ARC	23950	36300	29100	500	300	1000000	3937008
REC 0187..	119	BIT-POSTERIOR ARC	20950	30500	25400	400	200	1000000	3937008
REC 0188..	120	HEAD LENGTH	17050	22200	19600	300	200	1000000	3937008
REC 0189..	121	MAX HEAD DIAG/MENT	22250	28200	25000	300	200	1000000	3937008
REC 0190..	122	MAX HEAD DIAG/NUCH	17050	22300	19400	300	200	1000000	3937008
REC 0191..	123	EAR LENGTH	4650	8000	6300	200	100	1000000	3937008
REC 0192..	124	EAR LGTH ABDVE TRG	1550	4100	2800	200	100	1000000	3937008
REC 0193..	125	EAR BREADTH	2150	5000	3500	200	100	1000000	3937008
REC 0194..	126	EAR PROTRUSION	950	3600	2100	200	100	1000000	3937008
REC 0195..	127	HEAD BREADTH	13450	17400	15300	200	100	1000000	3937008
REC 0196..	128	BI-AURICULAR DIAM	15350	21800	18400	300	200	1000000	3937008
REC 0197..	129	BITRAGION DIAMETER	11850	16200	13800	200	100	1000000	3937008
REC 0198..	130	BIZYGOMATIC DIAM	11950	16000	13900	200	100	1000000	3937008
REC 0199..	131	MAX FRONTAL DIAM	9650	13200	11400	200	100	1000000	3937008
REC 0200..	132	BIGONIAL DIAMETER	8750	12600	10700	200	100	1000000	3937008
REC 0201..	133	BIOCLULAR DIAMETER	7550	11300	9400	200	100	1000000	3937008
REC 0202..	134	INTERPUPILLARY DST	4850	7700	6200	200	100	1000000	3937008
REC 0203..	135	INTEROCULAR DIAM	2250	4200	3100	100	100	1000000	3937008
REC 0204..	136	NASAL ROOT BREADTH	1050	3000	1800	100	100	1000000	3937008
REC 0205..	137	NASAL BREADTH	2150	5000	3400	200	100	1000000	3937008
REC 0206..	138	NOSE PROTRUSION	1250	3400	2300	100	100	1000000	3937008
REC 0207..	139	PHILTRUM LENGTH	650	2400	1400	100	100	1000000	3937008
REC 0208..	140	LIP-LIP DISTANCE	550	3500	1800	200	100	1000000	3937008
REC 0209..	141	LIP LENGTH	3450	6600	4800	200	100	1000000	3937008
REC 0210..	142	LIP LENGTH SMILING	3850	8100	5600	200	100	1000000	3937008
REC 0211..	143	MENTON-SUBNASALE L	4850	9500	7000	200	100	1000000	3937008
REC 0212..	144	MENTON-NASAL RT DP	9450	14500	11800	300	200	1000000	3937008
REC 0213..	145	SUBNAS-NAS RT DPTH	3650	6600	5000	200	100	1000000	3937008
REC 0214..	146	VERTEX-GLABELLA HT	5450	11900	9200	300	200	1000000	3937008
REC 0215..	147	VERTEX-NASAL RT DP	7250	13500	10800	300	200	1000000	3937008
REC 0216..	148	VERTEX-EXT CANT HT	8850	14000	11400	300	200	1000000	3937008
REC 0217..	149	VERTEX-PRONASALE H	11450	18100	14800	300	200	1000000	3937008
REC 0218..	150	VERTEX-STOMION HT	14850	21100	18200	300	200	1000000	3937008
REC 0219..	151	VERTEX-MENTON HT	19250	26500	22600	300	200	1000000	3937008
REC 0220..	152	VERTEX-TRAGION HT	10750	15300	13100	200	100	1000000	3937008
REC 0221..	153	WALL-GLABELLA DIST	17050	22500	19800	300	200	1000000	3937008
REC 0222..	154	WALL-NAS RT DEP DT	16950	22200	19600	300	200	1000000	3937008
REC 0223..	155	WALL-EX CANT DIST	14750	19700	17200	200	100	1000000	3937008
REC 0224..	156	WALL-PRONASALE DST	18950	24900	21800	300	200	1000000	3937008
REC 0225..	157	WALL-STOMION DIST	17550	24000	20400	300	200	1000000	3937008
REC 0226..	158	WALL-MENTON DIST	14350	23500	18600	400	200	1000000	3937008
REC 0227..	159	WALL-TRAGION DIST	7350	12200	9600	200	100	1000000	3937008
REC 0228..	160	RANK	1050	2900	1300	100	100	1000000	10000000
REC 0229..	161	AERD/RATING	50	500	300	100	100	10000000	10000000
REC 0230..	162	BIRTHPLACE SUBJECT	50	9500	4400	400	200	10000000	10000000
REC 0231..	163	BIRTHPLACE FATHER	50	9500	4200	400	200	10000000	10000000
REC 0232..	164	BIRTHPLACE MOTHER	50	9500	4200	400	200	10000000	10000000
REC 0233..	165	RELIGION	50	900	100	100	100	10000000	10000000
REC 0234..	166	EDUCATION	550	2600	1200	100	100	10000000	10000000
REC 0235..	167	RACE	50	900	100	100	100	10000000	10000000
REC 0236..	168	MARITAL STATUS	50	500	100	100	100	10000000	10000000
REC 0237..	169	GUESSED WEIGHT	9450	25000	15600	700	400	4535924	22046223
REC 0238..	170	GUESSED HEIGHT	5950	7900	6900	100	100	25400650	3937008
REC 0239..	171	HANDEDNESS	50	300	100	100	100	10000000	10000000
REC 0240..	172	BLOOD TYPE	50	400	200	100	100	10000000	10000000

TABLE 7 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0241..	173	RH FACTOR	50	200	100	100	100	1000000	1000000
REC 0242..	174	YEAR ENTERED AF	35500	65640	62000	2000	1000	1000000	1000000
REC 0243..	175	YEAR OF BIRTH	4500	48610	43000	2000	1000	1000000	1000000
REC 0244..	176	YEAR MEASURED	2900	6800	4800	200	100	100000	1000000
REC 0245..		(15,9F3.0,12F4.0/,8F3.0,2F4.0,16F3.0/,2(20F4.0/),2F4.0,24F3.0/,(26F3.0,F2.0))							
REC 0246..		1255149 16 16 6 9 15 3 471752148814251083 854 6521423127310621018 903 907							
REC 0247..		32783523452356158 85 75 68 919797627213543445609500379269784505400456315287290							
REC 0248..		308 327 376 324 70 461 59 98 212 200 184 214 240 160 3531092 900 745 9431015							
REC 0249..		16221580 577 571 421 391 382 358 230 426 264 291 249 283 262 275 161 258 595 863							
REC 0250..		88 103172158343559361742426265190 95 73257 0 0184107 85211249 30 13551388122							
REC 0251..		363302262281280270190244190 64 28 37 26156195143135110108102 63 27 15 29 21 1320							
REC 0252..		46 53 71121 54 95113117154186228138194193169207190166 98 21 5 41 41 41 1 17 1							
REC 0253..		1150 70 1 2 1620430 30							
REC 0254..		2275150 12 10 4 7 16 2 511826156714991150 904 7111476134510991055 948 946							
REC 0255..		854834527470384151 86 75 72 950823661244549450604497378286784505400+49303270287							
REC 0256..		291 345 358 345 72 427 57 98 210 214 193 217 271 153 3681105 906 775 920 970							
REC 0257..		16841661 532 544 379 364 362 350 214 412 245 285 255 322 259 279 165 244 591 872							
REC 0258..		124 103164145366482395703490258185101 77255 0 0184109 89216250 31 14568375120							
REC 0259..		380301295312287280186253199 67 32 37 24164197151146114110 97 63 32 17 37 21 1218							
REC 0260..		53 64 66115 57 94109112151184223129189189168219203188 94 22 5 64 61 64 2 17 1							
REC 0261..		1147 71 2 1 2620430 30							
REC 0262..		3245153 15 11 5 13 19 2 541696144313991060 821 647137712321013 991 899 860							
REC 0263..		793761497438339141 76 65 64 884770604214523+13588493360272751480377456320289305							
REC 0264..		308 330 358 311 72 471 55 99 233 235 216 237 245 140 3601075 935 825 9361032							
REC 0265..		16351536 574 557 422 385 385 354 225 417 273 308 252 294 254 274 159 226 554 821							
REC 0266..		104 88149131350487383685450257186 92 76233 0 0175103 82202230 21 12560386120							
REC 0267..		350292283308278262194252193 60 31 36 22152185140132110114 99 64 31 18 30 22 1118							
REC 0268..		44 51 62107 46 73 8910112315519612919619317722200214106 21 5 41 23 81 1 18 1							
REC 0269..		1150 68 1 1 2620430 30							
REC 0270..		4235184 13 14 4 9 18 2 541848159815471170 886 7141514136311231091 985 971							
REC 0271..		895878559495383137 75 65 59 954813670230586479641548416302861530427492368319352							
REC 0272..		319 347 367 326 71 +62 55 99 217 250 220 243 253 171 39512251075 980 9961055							
REC 0273..		17521683 613 602 412 392 400 368 221 450 282 312 268 326 283 300 170 280 660 957							
REC 0274..		98 97175161433557391081511284207100 79261 0 0200116 91217255 31 13598390130							
REC 0275..		362338312340322263208264209 71 34 41 25158185145135122107103 68 30 17 34 23 1421							
REC 0276..		50 56 73125 52 79 97113151184233133211208182236225219 98 21 5 41 21 41 1 17 1							
REC 0277..		1183 73 1 2 1620430 30							
REC 0278..		5325173 10 14 3 13 20 3 551739147614221092 851 6521410126610591010 947 911							
REC 0279..		803792515455362160 88 80 75 892778623215546443622515372293761500403475334301323							
REC 0280..		334 371 386 349 72 504 59 95 230 244 211 231 268 168 3871161 996 88010201076							
REC 0281..		16391600 614 606 434 382 375 355 220 459 310 336 271 300 280 298 173 272 602 879							
REC 0282..		94 119165146386576352713435271195 99 75251 0 0183107 86217260 34 14586369136							
REC 0283..		350312290318314286203257198 65 35 40 20160188147145123107104 71 33 17 35 25 1321							
REC 0284..		51 65 70123 55 02102109148182226125207203182223211198111 22 1 63 66 73 1 18 1							
REC 0285..		1173 69 1 2 2620430 30							
REC 0286..		6245149 13 11 4 9 8 3 511722146714201079 840 6271404125910321006 932 876							
REC 0287..		797768503444347142 81 60 66 900784648228537433595486374292791505410461313287288							
REC 0288..		291 354 373 330 74 429 61 98 207 204 204 224 232 148 3681113 918 790 962 901							
REC 0289..		16461594 543 542 408 375 362 348 223 442 273 305 264 318 275 293 171 244 572 860							
REC 0290..		103 101198155368530371667468275198 96 77250 0 0198119 92222259 35 15568390124							
REC 0291..		353300285320286268198258193 59 28 36 22153184140142110107 96 64 33 18 36 27 1218							
REC 0292..		50 54 62113 52 8710110814017321812820019717822207200102 21 5 14 4 14 1 18 1							
REC 0293..		1148 69 1 2 1620430 30							
REC 0294..		7235144 7 5 5 3 2 401760152414501097 831 6381426128910581039 911 908							
REC 0295..		832819510454376162 85 73 74 938814661236539451592470382297820505400447320290283							
REC 0296..		290 310 324 302 68 418 59 91 204 212 211 225 211 147 3721103 900 773 877 942							
REC 0297..		16881625 505 503 372 367 358 337 210 445 257 290 251 290 260 275 170 230 561 858							
REC 0298..		96 95195152357490381616510269198 92 76231 0 0192114 86204253 28 13576380130							
REC 0299..		352301288319295268207262209 68 31 37 19150180141130111104 93 66 33 18 37 23 1123							
REC 0300..		49 50 80133 57 90116115160197247130208205183226212183108 21 5 22 22 22 2 18 1							

TABLE 7 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME III

REC 0301.. 2145 70 1 2 1620430 30
 REC 0302.. 8385143 7 11 4 9 5 3 481754151914561110 865 6781434128410891062 979 944
 REC 0303..852839540475364165 78 65 69 895780632233559464597480377292761510384450314278299
 REC 0304.. 302 355 364 327 63 464 56 87 192 220 187 203 213 142 3631078 903 780 907 973
 REC 0305..15701516 533 524 382 332 366 354 218 433 262 304 250 290 253 276 162 227 584 871
 REC 0306.. 101 88162145339505367640455262195 86 70231 0 0186104 86208251 27 13550370110
 REC 0307..357288267299284260184242183 61 27 34 21162186147137102102 91 53 29 15 32 20 1311
 REC 0308.. 54 60 53102 49103120125163185220127187184161198181176 83 22 5 64 64 64 1 18 1
 REC 0309.. 2155 70 1 2 1620430 30
 REC 0310.. 9295202 13 14 4 11 16 3 711882160015621169 905 72115281360112911061043 975
 REC 0311..896880560502389170 86 78 69 97884805249596469635520420307880520422508357334334
 REC 0312.. 328 366 407 350 78 488 61 92 222 255 230 242 257 171 39111741060 89210251100
 REC 0313..17911736 616 622 471 391 416 406 246 486 316 352 300 362 310 320 175 262 625 935
 REC 0314.. 100 104175175385573423700502291212108 76273 0 0198116 95225275 31 14605423123
 REC 0315..365308302346330285212282205 72 31 34 20162194154144120121102 65 35 19 37 22 2017
 REC 0316.. 57 64 72127 57102112117156193238136215215193243228218110 22 2 43 43 43 1 16 1
 REC 0317.. 1205 74 1 1 2620430 30
 REC 0318.. 10325176 20 21 4 22 20 2 501771152314511111 867 6931433127110561024 957 898
 REC 0319..814807507453329166 78 67 63 943827651257551447610495368290792485418493368322331
 REC 0320.. 331 358 381 341 65 483 59 90 219 259 238 259 251 164 38311871034 915 9881100
 REC 0321..16861620 587 583 420 376 386 372 226 443 310 339 275 312 285 302 173 273 595 860
 REC 0322.. 100 92178163427569419660510249184 97 76243 0 0182103 85214249 32 14584414137
 REC 0323..382320297323302270202260204 65 27 36 26158194147144119110108 65 38 16 40 24 1610
 REC 0324.. 57 63 72121 50 98116121157188237142204200178222205190 97 22 2 74 74 74 1 18 1
 REC 0325.. 1179 70 1 1 2620430 30

TABLE 8

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 1 THROUGH 8

	1	2	3	4	5	6	7	8
	AGE	WEIGHT	SKF SUBS CAPULAR	SKF TRIC EPS	SKF JUXT A NIPPLE	SKF MAL XIPHOID	SKF SUPR A ILIAC	SKF DORS AL HAND
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	175.0 1295	94.0 2646	3.0 1248	1.0 2529	1.0 346	2.0 853	2.0 2263	1.0 1029
2ND SMALLEST	175.0 1294	100.0 3452	4.0 3677	1.0 2260	1.0 322	3.0 885	2.0 1895	1.0 975
3RD SMALLEST	175.0 1292	100.0 2850	4.0 3555	2.0 2505	2.0 99	3.0 831	3.0 3426	1.0 725
4TH SMALLEST	175.0 1286	102.0 3470	4.0 3512	2.0 2320	2.0 94	3.0 807	3.0 3425	1.0 706
5TH SMALLEST	175.0 1285	103.0 2513	4.0 3464	3.0 642	2.0 90	3.0 611	3.0 1407	1.0 601
6TH SMALLEST	175.0 1267	103.0 1391	4.0 3355	3.0 633	2.0 87	3.0 603	3.0 885	1.0 453
7TH SMALLEST	175.0 1266	104.0 2742	4.0 2941	3.0 603	2.0 82	3.0 540	3.0 853	1.0 285
8TH SMALLEST	175.0 1262	104.0 2077	4.0 2690	3.0 593	2.0 77	3.0 534	3.0 816	1.0 246
9TH SMALLEST	175.0 1258	105.0 2690	4.0 2360	3.0 561	2.0 73	3.0 401	3.0 593	1.0 186
XTH SMALLEST	175.0 1248	105.0 1564	4.0 1754	3.0 559	2.0 63	3.0 12	3.0 7	1.0 15

XTH LARGEST	505.0 200	235.0 187	30.0 80	26.0 73	20.0 3201	30.0 574	41.0 1908	5.0 106
9TH LARGEST	505.0 203	236.0 1300	30.0 301	26.0 134	20.0 3435	30.0 956	42.0 1888	5.0 215
8TH LARGEST	505.0 341	238.0 720	30.0 1854	26.0 2622	21.0 770	31.0 301	42.0 2048	5.0 506
7TH LARGEST	505.0 533	238.0 766	31.0 601	26.0 3201	21.0 928	31.0 900	42.0 2378	5.0 583
6TH LARGEST	505.0 544	241.0 1056	32.0 106	27.0 210	21.0 3038	31.0 2498	43.0 682	5.0 1175
5TH LARGEST	515.0 689	242.0 179	32.0 533	27.0 233	22.0 3614	32.0 1888	44.0 2165	5.0 1467
4TH LARGEST	515.0 1035	244.0 1116	32.0 720	27.0 691	23.0 3478	33.0 128	44.0 2433	5.0 1691
3RD LARGEST	545.0 706	245.0 900	33.0 276	27.0 1095	24.0 3252	33.0 1095	44.0 2533	5.0 1796
2ND LARGEST	555.0 357	252.0 440	33.0 383	28.0 276	25.0 3372	34.0 969	44.0 2556	5.0 1930
1ST LARGEST	595.0 182	269.0 969	35.0 1900	33.0 187	26.0 969	34.0 1300	45.0 1900	5.0 2121
THE MEAN VALUE	226.77	156.49	10.82	9.04	5.82	9.40	15.48	2.54
STO. DEVIATION	64.73	23.92	4.56	4.13	2.60	5.60	8.03	0.66
CDFV/VARIATION	28.55	15.29	42.13	45.67	44.73	59.60	51.90	25.95
***TDP**	0.27	0.26	0.19	0.30	0.33	0.15	0.11	0.0
***BOT**	0.0	0.08	0.04	0.09	0.06	0.04	0.03	0.0
VETA ONE	1.88	0.61	1.50	1.21	1.81	1.33	0.86	0.75
VETA TWO	6.10	3.33	5.51	4.75	9.19	4.27	3.15	3.23
(N-20)-AVG EST	226.13	156.40	10.79	9.01	5.79	9.36	15.44	2.54
(N-20)-S.D.EST	64.48	23.94	4.53	4.11	2.52	5.62	8.09	0.66
PCT DIFF/MEANS	1.	0.	1.	1.	1.	1.	0.	0.
PCT DIF/ST DVS	0.	-0.	1.	0.	3.	-0.	-1.	0.
SIZE DF SAMPLE	3867	3869	3869	3869	3869	3869	3869	3869

** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

09/09/76

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 9 THROUGH 16

	9	10	11	12	13	14	15	16
	GRIP STR ENGLH	HEIGHT (STATURE)	CERVICAL E HEIGHT	SHOULDER (ACROM) HT	ELBOW (R ADIALE) HT	WRIST (S TYLION) HT	DACTYLIO N HEIGHT	SUPRASTE RNALE HT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	25.0 3525	1517.0 2902	1286.0 3598	1231.0 2902	901.0 3389	723.0 1614	550.0 62	1226.0 2902
2ND SMALLEST	27.0 1804	1534.0 3598	1291.0 1372	1236.0 3472	901.0 1892	728.0 1541	553.0 3077	1234.0 1372
3RD SMALLEST	28.0 3798	1542.0 1107	1300.0 1066	1247.0 1094	901.0 1399	736.0 3602	554.0 2208	1242.0 1006
4TH SMALLEST	29.0 3680	1543.0 1006	1301.0 2902	1252.0 1107	901.0 1271	737.0 1376	555.0 3425	1244.0 1107
5TH SMALLEST	29.0 2742	1548.0 2745	1302.0 2745	1255.0 2027	950.0 3084	737.0 1094	557.0 3597	1246.0 3598
6TH SMALLEST	30.0 3614	1549.0 1372	1310.0 1107	1255.0 1376	950.0 1107	739.0 3799	558.0 3293	1249.0 3472
7TH SMALLEST	30.0 3567	1552.0 1094	1312.0 3472	1256.0 3084	951.0 3598	739.0 1006	558.0 2745	1251.0 1094
8TH SMALLEST	30.0 1798	1554.0 3472	1317.0 1094	1257.0 3598	952.0 2902	740.0 1107	559.0 3386	1254.0 2646
9TH SMALLEST	30.0 1501	1566.0 2646	1320.0 2027	1259.0 2330	955.0 1376	741.0 3472	560.0 3806	1258.0 2027
XTH SMALLEST	31.0 3486	1567.0 1091	1320.0 1376	1260.0 1372	955.0 1094	741.0 3094	560.0 3389	1260.0 1614

XTH LARGEST	75.0 1559	1949.0 132	1680.0 2976	1613.0 1276	1240.0 774	972.0 934	766.0 2227	1603.0 3681
9TH LARGEST	75.0 2688	1949.0 3681	1681.0 766	1613.0 2925	1242.0 2925	975.0 1681	767.0 740	1604.0 440
8TH LARGEST	76.0 170	1954.0 532	1681.0 2925	1614.0 2017	1243.0 1276	976.0 3122	767.0 3436	1610.0 2723
7TH LARGEST	76.0 3191	1954.0 766	1682.0 1179	1615.0 2576	1245.0 132	978.0 994	770.0 1263	1612.0 1130
6TH LARGEST	77.0 778	1955.0 1130	1690.0 1130	1619.0 2008	1247.0 1671	979.0 132	772.0 314	1615.0 774
5TH LARGEST	80.0 1188	1955.0 2017	1694.0 132	1624.0 132	1247.0 2976	979.0 766	772.0 1425	1616.0 766
4TH LARGEST	81.0 532	1958.0 774	1701.0 2008	1626.0 1179	1249.0 766	979.0 969	774.0 619	1620.0 132
3RD LARGEST	83.0 894	1960.0 2723	1707.0 2017	1629.0 766	1264.0 1130	981.0 2227	780.0 132	1624.0 2008
2ND LARGEST	84.0 910	1971.0 2008	1708.0 2723	1630.0 1130	1271.0 1179	984.0 1130	785.0 1671	1631.0 2017
1ST LARGEST	87.0 1216	1995.0 2551	1716.0 2551	1660.0 2551	1278.0 2551	996.0 1179	796.0 3122	1660.0 2551
THE MEAN VALUE	49.48	1752.84	1498.02	1433.05	1098.21	851.45	658.64	1429.72
STD. DEVIATION	7.42	65.62	61.96	61.40	49.28	41.14	36.31	58.41
CORR/VARIATION	14.99	3.74	4.14	4.28	4.49	4.83	5.51	4.09
TOP	0.27	0.12	0.10	0.13	0.13	0.10	0.15	0.17
BOTTOM	0.14	0.13	0.09	0.08	0.19	0.08	0.05	0.10
VETA ONE	0.40	0.04	0.04	0.08	0.02	0.13	0.11	0.06
VETA TWO	3.62	3.05	3.07	2.95	3.17	2.99	3.07	3.04
(N-20)-AVG EST	49.45	1752.84	1498.01	1433.02	1098.25	851.41	658.61	1429.71
(N-20)-S.D.EST	7.36	65.57	61.92	61.45	49.13	41.23	36.36	58.31
PCT DIFF/MEANS	0.	0.	0.	0.	-0.	0.	0.	0.
PCT DIF/ST DVS	1.	0.	0.	-0.	0.	-0.	-0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 17 THROUGH 24

	17	18	19	20	21	22	23	24
	CHEST (N IPPLE) HT	WAIST HE IGHT (OMP)	ILIOCRIS TALE	TROCHANT ERIC HT	8UTTOCK HEIGHT	CROTCH H EIGHT	GLUTEAL FURROM HT	PATELLA TOP HEIGHT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	1091.0 2902	881.0 1006	882.0 1006	772.0 2902	740.0 2902	685.0 1094	668.0 1006	426.0 2902
2ND SMALLEST	1101.0 3598	886.0 2902	889.0 2902	779.0 1372	741.0 1372	688.0 2902	672.0 1372	433.0 3472
3RD SMALLEST	1101.0 3472	888.0 3598	895.0 1107	781.0 1006	757.0 799	688.0 1107	680.0 2902	441.0 3598
4TH SMALLEST	1102.0 1372	893.0 1107	898.0 1372	782.0 2345	762.0 3598	689.0 1372	684.0 3598	442.0 3152
5TH SMALLEST	1103.0 1614	898.0 1372	900.0 2710	784.0 3525	762.0 1006	689.0 1006	684.0 2345	443.0 3084
6TH SMALLEST	1105.0 1006	900.0 1108	901.0 642	786.0 1682	769.0 3257	701.0 2345	686.0 1108	443.0 1614
7TH SMALLEST	1110.0 1107	901.0 1331	901.0 542	790.0 3293	771.0 3293	702.0 1108	688.0 1376	448.0 3506
8TH SMALLEST	1110.0 1094	901.0 1094	901.0 500	794.0 2646	771.0 1094	707.0 3472	689.0 2646	448.0 1376
9TH SMALLEST	1116.0 3293	901.0 1065	901.0 425	795.0 1107	773.0 2742	707.0 529	690.0 3293	448.0 1094
XTH SMALLEST	1127.0 552	901.0 819	901.0 377	796.0 1721	773.0 1108	710.0 552	691.0 1094	449.0 925

XTH LARGEST	1439.0 2976	1207.0 774	1211.0 749	1072.0 2006	1049.0 2551	971.0 603	946.0 603	611.0 2551
9TH LARGEST	1441.0 943	1209.0 2266	1215.0 1431	1074.0 1650	1053.0 3625	979.0 132	951.0 1793	612.0 874
8TH LARGEST	1448.0 132	1211.0 1421	1215.0 2273	1076.0 2551	1054.0 2702	983.0 1555	953.0 2446	612.0 1793
7TH LARGEST	1451.0 2319	1213.0 1555	1219.0 2319	1077.0 440	1062.0 2446	983.0 2446	954.0 132	614.0 2017
6TH LARGEST	1458.0 1130	1213.0 2925	1227.0 1421	1078.0 603	1063.0 603	986.0 2551	959.0 1555	615.0 766
5TH LARGEST	1458.0 2723	1223.0 2008	1232.0 2266	1078.0 2723	1063.0 2723	987.0 1421	962.0 2017	622.0 2723
4TH LARGEST	1460.0 766	1230.0 2319	1237.0 1555	1086.0 2266	1078.0 132	990.0 2702	964.0 2551	623.0 132
3RD LARGEST	1460.0 2008	1233.0 2017	1243.0 2551	1087.0 2319	1078.0 2017	994.0 2017	972.0 1421	629.0 2319
2ND LARGEST	1476.0 2017	1239.0 2551	1253.0 2723	1089.0 2017	1087.0 1555	996.0 2319	974.0 2723	633.0 1421
1ST LARGEST	1497.0 2551	1251.0 2723	1257.0 2017	1089.0 2702	1091.0 2319	996.0 2723	981.0 2319	636.0 2266
THE MEAN VALUE	1278.84	1053.26	1050.78	923.20	903.01	830.19	806.45	524.33
STD. DEVIATION	55.57	52.48	53.37	46.96	46.85	44.64	43.49	27.70
COFF/VARIATION	4.35	4.98	5.08	5.09	5.19	5.38	5.39	5.28
••TOP••	0.19	0.14	0.15	0.06	0.15	0.10	0.14	0.15
••BOT••	0.12	0.07	0.06	0.09	0.12	0.10	0.09	0.14
VETA ONE	0.11	0.05	0.07	0.20	0.20	0.16	0.22	0.19
VETA TWO	3.05	3.10	3.21	3.15	3.29	3.14	3.20	3.26
(N-20)-AVG EST	1278.82	1053.23	1050.71	923.14	902.95	830.13	806.37	524.29
(N-20)-S.O.EST	55.50	52.45	53.33	46.93	46.70	44.52	43.39	27.63
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3865	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 25 THROUGH 32

	25		26		27		28		29		30		31		32	
	PATELLA	CALF HEI	ANKLE HE	MED L MA	LAT L MA	SPHYRION	SITTING	HT	HT	HT	HT	HT	HT	HT	HT	HT
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	379.0	287.0	85.0	58.0	45.0	42.0	791.0	42.0	45.0	42.0	42.0	791.0	42.0	45.0	42.0	671.0
2ND SMALLEST	382.0	287.0	88.0	60.0	51.0	42.0	792.0	42.0	51.0	42.0	42.0	792.0	42.0	51.0	42.0	683.0
3RD SMALLEST	387.0	291.0	90.0	63.0	52.0	46.0	794.0	46.0	52.0	46.0	46.0	794.0	46.0	52.0	46.0	683.0
4TH SMALLEST	389.0	292.0	91.0	63.0	53.0	46.0	798.0	46.0	53.0	46.0	46.0	798.0	46.0	53.0	46.0	689.0
5TH SMALLEST	392.0	293.0	92.0	63.0	54.0	47.0	803.0	47.0	54.0	47.0	47.0	803.0	47.0	54.0	47.0	690.0
6TH SMALLEST	393.0	294.0	92.0	64.0	54.0	47.0	806.0	47.0	54.0	47.0	47.0	806.0	47.0	54.0	47.0	693.0
7TH SMALLEST	393.0	295.0	93.0	65.0	55.0	48.0	807.0	48.0	55.0	48.0	48.0	807.0	48.0	55.0	48.0	694.0
8TH SMALLEST	394.0	295.0	93.0	65.0	55.0	48.0	808.0	48.0	55.0	48.0	48.0	808.0	48.0	55.0	48.0	695.0
9TH SMALLEST	394.0	297.0	94.0	65.0	55.0	48.0	808.0	48.0	55.0	48.0	48.0	808.0	48.0	55.0	48.0	698.0
XTH SMALLEST	394.0	297.0	94.0	65.0	55.0	48.0	808.0	48.0	55.0	48.0	48.0	808.0	48.0	55.0	48.0	698.0

XTH LARGEST	551.0	433.0	172.0	100.0	92.0	84.0	1015.0	84.0	92.0	84.0	84.0	1015.0	84.0	92.0	84.0	892.0
9TH LARGEST	556.0	434.0	174.0	100.0	92.0	85.0	1016.0	85.0	92.0	85.0	85.0	1016.0	85.0	92.0	85.0	893.0
8TH LARGEST	556.0	436.0	174.0	101.0	93.0	85.0	1017.0	85.0	93.0	85.0	85.0	1017.0	85.0	93.0	85.0	899.0
7TH LARGEST	557.0	439.0	175.0	101.0	93.0	85.0	1018.0	85.0	93.0	85.0	85.0	1018.0	85.0	93.0	85.0	899.0
6TH LARGEST	561.0	439.0	177.0	102.0	93.0	85.0	1018.0	85.0	93.0	85.0	85.0	1018.0	85.0	93.0	85.0	900.0
5TH LARGEST	565.0	440.0	178.0	103.0	93.0	86.0	1025.0	86.0	93.0	86.0	86.0	1025.0	86.0	93.0	86.0	901.0
4TH LARGEST	566.0	443.0	175.0	104.0	94.0	87.0	1027.0	87.0	94.0	87.0	87.0	1027.0	87.0	94.0	87.0	901.0
3RD LARGEST	568.0	443.0	180.0	104.0	94.0	87.0	1034.0	87.0	94.0	87.0	87.0	1034.0	87.0	94.0	87.0	911.0
2ND LARGEST	572.0	444.0	186.0	105.0	95.0	88.0	1039.0	88.0	95.0	88.0	88.0	1039.0	88.0	95.0	88.0	919.0
1ST LARGEST	574.0	449.0	191.0	109.0	99.0	89.0	1045.0	89.0	99.0	89.0	89.0	1045.0	89.0	99.0	89.0	926.0
THE MEAN VALUE	466.89	362.18	122.26	83.16	71.70	66.44	911.78	66.44	71.70	66.44	66.44	911.78	66.44	71.70	66.44	797.34
STD. DEVIATION	26.79	23.74	15.07	6.02	6.28	6.28	34.83	6.28	6.28	6.28	6.28	34.83	6.28	6.28	6.28	33.09
COFF/VARIATION	5.74	6.55	12.33	7.24	8.76	9.46	3.82	9.46	8.76	8.76	9.46	3.82	9.46	8.76	8.76	4.15
TOP	0.15	0.12	0.24	0.26	0.19	0.14	0.14	0.14	0.19	0.14	0.14	0.14	0.14	0.19	0.14	0.14
BOTTOM	0.10	0.07	0.12	0.20	0.27	0.17	0.08	0.17	0.27	0.17	0.17	0.08	0.17	0.27	0.17	0.14
VETA ONE	0.24	0.18	0.73	-0.03	0.13	-0.01	-0.01	-0.01	0.13	0.13	-0.01	-0.01	-0.01	0.13	0.13	-0.01
VETA TWO	3.28	3.11	3.29	3.28	3.23	3.08	3.20	3.08	3.23	3.23	3.08	3.20	3.08	3.23	3.23	3.19
(N-20)-AVG EST	466.84	362.16	122.19	83.17	71.70	66.44	911.77	66.44	71.70	66.44	66.44	911.77	66.44	71.70	66.44	797.35
(N-20)-S.D.EST	26.72	23.73	15.09	6.00	6.26	6.27	34.75	6.27	6.26	6.26	6.27	34.75	6.27	6.26	6.27	33.00
PCT DIFF/MEANS	0.	0.	0.	-0.	0.	-0.	0.	-0.	0.	0.	-0.	0.	-0.	0.	0.	-0.
PCT DIF/ST DVS	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 33 THROUGH 40

	33	34	35	36	37	38	39	40
	MID SHOU	ELBOW RE	KNEE HEI	POPLITEA	BUTTOCK	BUTTOCK	SHOULDER	ELBOW WR
	LDER HT/S	ST HT SIT	GHT SIT	L HT/SIT	KNEE LGHT	POP LENGTH	-ELBOW LTH	IST LENGTH
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	538.0 2732	143.0 1264	460.0 2902	367.0 2902	491.0 1372	377.0 1372	308.0 1094	232.0 2902
2ND SMALLEST	541.0 3024	150.0 2329	470.0 2646	373.0 3598	503.0 2646	406.0 2646	310.0 2902	246.0 1094
3RD SMALLEST	543.0 949	152.0 2195	471.0 3472	379.0 1006	520.0 1376	409.0 885	312.0 3004	247.0 2345
4TH SMALLEST	544.0 2745	153.0 3388	474.0 1391	380.0 2345	521.0 2902	418.0 2902	314.0 1407	248.0 3004
5TH SMALLEST	546.0 1094	153.0 863	475.0 3598	381.0 3472	521.0 885	418.0 203	316.0 1382	248.0 1575
6TH SMALLEST	547.0 863	155.0 3099	475.0 2345	382.0 2646	522.0 3525	419.0 3506	317.0 3472	249.0 2513
7TH SMALLEST	550.0 3099	155.0 2506	479.0 2026	385.0 2742	522.0 1391	420.0 3525	317.0 2959	249.0 1860
8TH SMALLEST	550.0 2329	156.0 3379	479.0 1372	385.0 2390	522.0 799	423.0 2842	318.0 2858	249.0 1391
9TH SMALLEST	550.0 1307	157.0 2732	480.0 3064	385.0 925	523.0 2026	423.0 1391	318.0 2027	249.0 1376
XTH SMALLEST	550.0 925	160.0 2218	480.0 2742	385.0 529	524.0 3506	423.0 385	319.0 2476	249.0 1215

XTH LARGEST	716.0 1681	316.0 546	637.0 1421	522.0 2446	690.0 2702	579.0 1053	419.0 1276	335.0 910
9TH LARGEST	716.0 2561	316.0 994	640.0 2017	526.0 2017	692.0 440	580.0 69	420.0 9	336.0 894
8TH LARGEST	717.0 61	316.0 3757	641.0 132	526.0 2551	693.0 1550	580.0 645	420.0 325	336.0 1269
7TH LARGEST	718.0 249	320.0 2245	642.0 766	533.0 1421	656.0 2551	583.0 2551	420.0 928	336.0 2353
6TH LARGEST	722.0 619	321.0 2838	642.0 910	533.0 1555	697.0 2976	584.0 2319	420.0 3681	338.0 1421
5TH LARGEST	729.0 1130	323.0 2812	642.0 2266	533.0 2266	698.0 1300	585.0 2702	422.0 1131	342.0 2319
4TH LARGEST	730.0 394	326.0 2862	645.0 2723	533.0 3939	700.0 2645	586.0 874	422.0 2017	342.0 3681
3RD LARGEST	732.0 994	333.0 3053	647.0 2551	537.0 910	701.0 2266	590.0 1550	422.0 2266	344.0 3939
2ND LARGEST	738.0 173	335.0 964	647.0 2976	538.0 2319	706.0 2319	590.0 2017	425.0 943	347.0 2266
1ST LARGEST	745.0 740	337.0 2561	655.0 440	541.0 2723	708.0 2017	590.0 2266	439.0 440	350.0 603
THE MEAN VALUE	632.36	236.84	553.53	446.59	603.51	494.56	366.55	288.16
STD. DEVIATION	29.47	27.68	26.25	23.57	28.77	26.56	18.38	14.81
COFF/VARIATION	4.66	11.69	4.74	5.28	4.77	5.37	5.01	5.14
••TOP••	0.17	0.13	0.11	0.14	0.11	0.07	0.20	0.17
••BOT••	0.07	0.11	0.13	0.13	0.20	0.29	0.11	0.20
VETA ONE	0.02	-0.03	0.17	0.25	0.15	0.18	0.07	0.20
VETA TWO	3.03	3.08	3.22	3.28	3.15	3.25	2.94	3.18
(N-20)-AVG EST	632.34	236.83	553.51	446.54	603.49	494.94	366.54	288.13
(N-20)-S.D.EST	29.48	27.68	26.19	23.51	28.74	26.50	18.43	14.78
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	-0.	0.	0.	0.	0.	-0.	0.
SIZE OF SAMPLE	3869	3869	3869	3865	3869	3869	3869	3869

** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 41 THROUGH 48

	41	42	43	44	45	46	47	48
	FUNCTION	SLEEVE I	BIACROMI	8IDELTOI	CHEST BR	CHEST BR	WAIST BR	BI-ILIOC
	AL REACH	NSEAM	AL BREADTH	O BREADTH	EADTH/SKIN	EADTH/BONE	DTH (OMP)	RISTALE
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	659.0 1737	410.0 2902	331.0 1893	381.0 2941	247.0 2173	221.0 2787	226.0 1487	226.0 1487
2ND SMALLEST	660.0 1376	415.0 1721	332.0 950	386.0 908	248.0 1252	223.0 3470	227.0 3799	227.0 3799
3RD SMALLEST	661.0 1094	415.0 1006	332.0 317	387.0 2513	250.0 2965	224.0 3952	227.0 2173	227.0 2173
4TH SMALLEST	661.0 925	420.0 3349	334.0 1031	388.0 3774	250.0 631	226.0 2608	230.0 2828	230.0 2828
5TH SMALLEST	663.0 1308	420.0 2531	335.0 1804	390.0 1484	250.0 631	228.0 3734	231.0 3648	232.0 2787
6TH SMALLEST	667.0 927	420.0 2442	336.0 2513	391.0 1409	252.0 3736	228.0 2512	232.0 2799	232.0 2787
7TH SMALLEST	668.0 1006	420.0 2345	337.0 3558	392.0 2512	252.0 3459	228.0 1369	232.0 1756	232.0 1756
8TH SMALLEST	668.0 457	420.0 1372	337.0 2512	397.0 3952	254.0 1756	229.0 3162	234.0 1564	235.0 3318
9TH SMALLEST	670.0 3150	420.0 632	338.0 2408	397.0 2742	255.0 2828	230.0 3770	234.0 1461	235.0 2799
XTH SMALLEST	671.0 3847	420.0 385	338.0 685	397.0 1564	257.0 3265	230.0 3678	235.0 3318	236.0 1842

XTH LARGEST	912.0 3784	570.0 2017	446.0 2439	542.0 383	391.0 900	356.0 2602	386.0 720	389.0 1056
9TH LARGEST	914.0 2266	570.0 2353	450.0 144	542.0 969	393.0 1356	358.0 3210	387.0 434	389.0 1900
8TH LARGEST	917.0 3939	575.0 1555	450.0 894	544.0 1863	394.0 778	359.0 128	387.0 1863	394.0 106
7TH LARGEST	918.0 3686	575.0 1603	450.0 1559	545.0 440	394.0 1113	359.0 874	391.0 900	396.0 1327
6TH LARGEST	920.0 3727	585.0 1421	451.0 794	545.0 508	395.0 1563	361.0 778	393.0 1095	400.0 2808
5TH LARGEST	922.0 3800	590.0 3939	451.0 3314	546.0 1056	396.0 1095	362.0 440	393.0 1888	401.0 434
4TH LARGEST	924.0 3600	595.0 603	452.0 21	547.0 766	397.0 969	367.0 969	393.0 1900	402.0 969
3RD LARGEST	925.0 1851	595.0 2266	453.0 2181	550.0 179	402.0 128	368.0 1356	398.0 969	404.0 1095
2ND LARGEST	929.0 1729	600.0 2319	458.0 17	550.0 707	415.0 1056	375.0 1863	398.0 1946	405.0 2142
1ST LARGEST	963.0 440	605.0 3681	472.0 569	551.0 500	439.0 1863	382.0 1056	400.0 2142	406.0 1888
THE MEAN VALUE	788.69	493.66	398.06	463.12	312.54	283.42	292.78	293.40
STD. DEVIATION	42.03	26.58	19.06	26.04	23.80	22.76	28.04	27.94
COFF/VARIATION	5.33	5.39	4.79	5.62	7.61	8.03	9.58	9.52
TOP	0.21	0.23	0.22	0.06	0.36	0.21	0.09	0.11
BOT	0.05	0.07	0.06	0.11	0.07	0.07	0.06	0.07
VETA ONE	0.17	0.10	-0.16	0.26	0.50	0.37	0.65	0.69
VETA TWO	3.11	3.13	3.16	3.03	3.45	3.07	3.22	3.35
(N-20)-AVG EST	788.66	493.61	398.08	463.09	312.47	283.36	292.69	293.29
(N-20)-S.D.EST	42.03	26.54	19.06	26.09	23.74	22.77	28.10	27.94
PCT OIFF/MEANS	0.	0.	-C.	0.	0.	0.	0.	0.
PCT OIF/ST DVS	-0.	0.	0.	-0.	0.	-0.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3865	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 49 THROUGH 56

	49		50		51		52		53		54		55		56	
	HIP BREA	OTH	HIP BREA	DTH SIT	8ITROCHA	ELBOW 8R	EAOTH	MAX F AR	WRIST BR	EADTH	KNEE BR	AOTH	KNEE-KNEE	E BR SIT		
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	278.0	91	284.0	3677	262.0	1769	56.0	2173	336.0	1882	45.0	2818	80.0	67	172.0	1869
2ND SMALLEST	282.0	1769	289.0	1842	267.0	1054	58.0	3648	362.0	1561	47.0	3839	81.0	2027	173.0	3421
3RD SMALLEST	284.0	1869	292.0	3233	271.0	2173	58.0	2690	369.0	2690	47.0	1094	82.0	3470	174.0	1829
4TH SMALLEST	287.0	2646	294.0	1407	271.0	1907	58.0	1332	369.0	1409	48.0	3540	82.0	3034	175.0	1883
5TH SMALLEST	287.0	1321	297.0	3452	272.0	2850	59.0	3470	370.0	2616	48.0	3182	82.0	2902	176.0	1746
6TH SMALLEST	288.0	2635	297.0	1391	272.0	2739	59.0	1371	371.0	1484	48.0	3034	82.0	150	177.0	1798
7TH SMALLEST	289.0	1391	298.0	2646	272.0	2505	59.0	623	373.0	2828	48.0	2938	82.0	91	178.0	3011
8TH SMALLEST	289.0	1094	258.0	2635	272.0	2239	59.0	72	373.0	2473	48.0	2902	83.0	1980	178.0	2127
9TH SMALLEST	290.0	3940	298.0	631	272.0	1321	59.0	54	376.0	2077	48.0	2742	83.0	1309	178.0	1369
XTH SMALLEST	290.0	3677	300.0	2218	273.0	3940	60.0	2635	376.0	1564	48.0	2669	83.0	1258	179.0	1975

XTH LARGEST	412.0	3130	451.0	766	382.0	1056	85.0	1300	624.0	3575	67.0	249	111.0	2889	292.0	687
9TH LARGEST	413.0	900	451.0	1900	382.0	1286	85.0	2008	628.0	577	67.0	400	111.0	3056	292.0	691
8TH LARGEST	415.0	1053	452.0	106	383.0	1053	85.0	2194	628.0	1300	67.0	647	112.0	3058	292.0	1006
7TH LARGEST	416.0	187	452.0	969	384.0	959	85.0	2380	630.0	854	67.0	1188	112.0	3435	295.0	529
6TH LARGEST	417.0	2564	455.0	440	384.0	969	86.0	2498	635.0	707	67.0	1577	113.0	3221	297.0	748
5TH LARGEST	420.0	2142	456.0	1053	386.0	721	86.0	3191	635.0	3372	67.0	1663	114.0	2652	295.0	1020
4TH LARGEST	421.0	959	456.0	2142	386.0	774	86.0	3686	637.0	3727	68.0	455	114.0	3531	301.0	440
3RD LARGEST	426.0	2622	458.0	721	387.0	900	87.0	3745	645.0	3832	68.0	2315	114.0	3745	302.0	187
2ND LARGEST	429.0	721	458.0	959	390.0	440	88.0	2561	650.0	3191	69.0	659	115.0	1535	304.0	969
1ST LARGEST	429.0	969	466.0	187	398.0	187	88.0	3560	651.0	2425	69.0	2717	121.0	2316	306.0	814
THE MEAN VALUE	340.84		358.59		321.90		72.02		482.57		57.35		96.02		218.02	
STD. DEVIATION	21.34		26.52		18.77		4.22		46.95		3.29		4.90		19.86	
COEFF. OF VARIATION	6.26		7.40		5.83		5.86		9.73		5.73		5.10		9.11	
••TOP••	0.14		0.10		0.15		0.12		0.11		0.11		0.36		0.12	
••BOT••	0.10		0.11		0.10		0.16		0.16		0.16		0.11		0.06	
VEA ONE	0.49		0.55		0.28		0.07		0.37		0.04		0.30		0.77	
VEA TWO	3.41		3.31		3.18		3.17		2.92		2.98		3.30		3.70	
(N-20)-AVG EST	340.78		358.51		321.67		72.01		482.47		57.35		96.01		217.92	
(N-20)-S.D. EST	21.31		26.52		18.77		4.21		47.11		3.29		4.89		19.82	
PCT OIFF/MEANS	0.		0.		0.		0.		0.		0.		0.		0.	
PCT OIF/ST OVS	0.		-0.		0.		0.		-0.		-0.		0.		0.	
SIZE OF SAMPLE	3869		3869		3869		3869		3869		3869		3869		3869	

TABLE 8 (continued)
 XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 57 THROUGH 64

	57	58	59	60	61	62	63	64
	CHEST DE PTH	WAIST DE PTH (OMP)	ABDOMINA L DPTH/SIT	8UTTOCK DEPTH	THIGH CL EAR HT SIT	NECK CIR C MAXIMUM	SHOULDER CIRC	CHEST CI RCUMF ENCE
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	152.0 2941	153.0 2515	175.0 1737	179.0 1852	114.0 2655	309.0 3677	901.0 3839	702.0 2173
2ND SMALLEST	164.0 2850	158.0 2513	177.0 2421	182.0 3470	114.0 1132	311.0 1564	901.0 3484	750.0 1484
3RD SMALLEST	164.0 2646	160.0 2690	177.0 1251	182.0 2850	115.0 3331	312.0 2850	901.0 3416	752.0 3940
4TH SMALLEST	166.0 1580	160.0 2690	178.0 2513	182.0 2655	116.0 1882	312.0 1829	901.0 3090	755.0 631
5TH SMALLEST	167.0 2173	161.0 466	180.0 2515	184.0 2546	116.0 1298	315.0 2742	901.0 2517	762.0 2941
6TH SMALLEST	168.0 1315	162.0 3470	180.0 2346	185.0 2140	118.0 2716	315.0 1409	901.0 2197	762.0 1756
7TH SMALLEST	169.0 3795	162.0 2744	182.0 1746	185.0 1652	118.0 2646	315.0 699	901.0 1321	768.0 3470
8TH SMALLEST	171.0 631	162.0 2619	182.0 1321	185.0 266	119.0 2566	316.0 3952	901.0 1307	770.0 2646
9TH SMALLEST	172.0 1898	162.0 1977	182.0 1132	186.0 2646	120.0 2513	316.0 3675	901.0 1276	772.0 3952
XTH SMALLEST	173.0 3395	162.0 1737	182.0 665	186.0 2566	120.0 2364	318.0 4781	901.0 1031	775.0 1507

XTH LARGEST	299.0 1116	301.0 838	337.0 2142	310.0 687	196.0 1851	441.0 3546	1321.0 1356	1168.0 3188
9TH LARGEST	300.0 1851	306.0 434	341.0 838	310.0 2564	196.0 1874	442.0 874	1321.0 1863	1170.0 440
8TH LARGEST	301.0 1900	306.0 721	341.0 1300	311.0 2142	158.0 691	442.0 1056	1329.0 874	1170.0 533
7TH LARGEST	301.0 2602	315.0 533	343.0 586	312.0 755	198.0 883	445.0 1111	1330.0 957	1178.0 969
6TH LARGEST	302.0 586	316.0 1116	348.0 755	318.0 569	198.0 2142	446.0 1896	1335.0 179	1183.0 1851
5TH LARGEST	305.0 1863	318.0 1300	351.0 533	327.0 106	200.0 1116	447.0 691	1337.0 969	1183.0 2602
4TH LARGEST	310.0 450	320.0 586	355.0 707	335.0 3614	203.0 1854	448.0 2090	1339.0 1056	1185.0 3372
3RD LARGEST	310.0 1129	321.0 707	372.0 1129	341.0 1116	203.0 2023	449.0 900	1340.0 1535	1200.0 179
2ND LARGEST	311.0 1888	329.0 2142	381.0 1056	342.0 1056	204.0 969	455.0 1116	1365.0 440	1230.0 1056
1ST LARGEST	323.0 1056	330.0 1056	382.0 1116	350.0 721	205.0 687	477.0 460	1385.0 1851	1259.0 1863
THE MEAN VALUE	225.32	211.55	230.11	235.32	152.76	368.38	1125.60	536.61
STD. DEVIATION	23.05	24.89	26.12	23.06	14.02	21.63	65.98	71.33
COEFF. VARIATION	10.23	11.77	11.35	9.80	9.18	5.86	5.86	7.62
TOP**	0.19	0.21	0.29	0.32	0.12	0.29	0.15	0.23
BOT**	0.17	0.06	0.05	0.06	0.08	0.07	0.0	0.19
VETA ONE	0.45	0.86	1.22	0.61	0.38	0.44	0.20	0.49
VETA TWO	3.14	3.90	5.15	3.35	3.07	3.30	3.22	3.20
(N-20)-AVG EST	225.26	211.41	229.91	235.22	152.73	368.32	1125.63	936.42
(N-20)-S.D. EST	23.06	24.80	25.84	23.01	14.05	21.59	65.71	71.31
PCT DIFF/MEANS	0.	1.	1.	0.	0.	0.	-0.	0.
PCT DIF/ST DVS	-0.	0.	1.	0.	-0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 65 THROUGH 72

	65	66	67	68	69	70	71	72
	WAIST CI	8UTTOCK	8UTGCK	VERTICAL	VERT TRU	UPPER TH	THIGH CI	LOWER TH
	RC (OMPH)	CIRC	CIRC/SIT	TRUNK CIR	NK CIR SIT	IGH CIRC	RC SITTING	IGH CIRC
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	624.0 2799	745.0 2646	816.0 2646	1000.0 2166	1000.0 2166	412.0 3452	414.0 3452	310.0 2646
2ND SMALLEST	624.0 1391	778.0 3677	819.0 3677	1392.0 1842	1332.0 3099	412.0 2646	423.0 2646	326.0 1369
3RD SMALLEST	627.0 2513	779.0 2173	840.0 1564	1396.0 3099	1346.0 2799	425.0 1564	427.0 3331	328.0 3484
4TH SMALLEST	633.0 1461	783.0 1391	840.0 631	1402.0 2850	1346.0 1842	430.0 3484	427.0 3233	328.0 3452
5TH SMALLEST	636.0 2646	786.0 3452	841.0 3452	1413.0 2799	1353.0 2406	430.0 1561	434.0 1484	328.0 1564
6TH SMALLEST	638.0 1487	787.0 3318	842.0 2850	1422.0 1258	1357.0 3816	433.0 3318	436.0 3774	331.0 1367
7TH SMALLEST	643.0 1737	787.0 1842	842.0 1842	1429.0 3816	1359.0 2690	434.0 2515	437.0 1561	331.0 527
8TH SMALLEST	643.0 1376	787.0 1407	845.0 3774	1437.0 3598	1360.0 3763	434.0 1391	439.0 2850	333.0 2655
9TH SMALLEST	646.0 2289	790.0 1769	846.0 3330	1437.0 3470	1363.0 3799	437.0 3331	440.0 2515	334.0 3308
XTH SMALLEST	648.0 1850	791.0 2850	852.0 2173	1438.0 2629	1363.0 2796	437.0 2690	440.0 2077	335.0 3356

XTH LARGEST	1086.0 1946	1137.0 1300	1285.0 106	1875.0 1116	1781.0 1116	710.0 187	710.0 721	533.0 506
9TH LARGEST	1090.0 434	1143.0 2142	1285.0 2657	1675.0 1888	1782.0 2889	711.0 2622	714.0 106	540.0 440
8TH LARGEST	1090.0 963	1146.0 2023	1288.0 440	1883.0 720	1785.0 928	711.0 2645	715.0 187	540.0 1939
7TH LARGEST	1090.0 1863	1150.0 900	1295.0 187	1888.0 900	1785.0 1888	713.0 106	720.0 2023	540.0 2927
6TH LARGEST	1100.0 969	1153.0 106	1295.0 1095	1890.0 1056	1787.0 720	715.0 1536	724.0 2142	544.0 3303
5TH LARGEST	1105.0 1900	1175.0 1116	1299.0 1116	1893.0 928	1794.0 994	725.0 2023	725.0 2645	545.0 1535
4TH LARGEST	1110.0 1888	1178.0 187	1300.0 2602	1893.0 1429	1800.0 1056	725.0 2142	728.0 959	545.0 2564
3RD LARGEST	1115.0 1056	1180.0 2622	1304.0 721	1903.0 721	1801.0 740	731.0 721	730.0 2622	546.0 1300
2ND LARGEST	1119.0 586	1201.0 969	1306.0 2142	1913.0 994	1823.0 1429	750.0 969	741.0 687	547.0 1854
1ST LARGEST	1150.0 2142	1214.0 721	1365.0 969	1944.0 969	1828.0 969	764.0 687	742.0 969	584.0 687
THE MEAN VALUE	800.30	935.27	1017.87	1631.78	1556.38	549.34	549.54	415.35
STD. DEVIATION	82.46	64.52	78.56	81.26	74.44	50.55	52.21	36.06
COFF/VARIATION	10.30	6.90	7.72	4.98	4.78	9.20	9.50	8.68
TOP**	0.15	0.22	0.18	0.16	0.11	0.20	0.12	0.26
BOT**	0.05	0.13	0.08	1.00	0.87	0.09	0.10	0.13
VEA ONE	0.76	0.57	0.62	0.14	0.05	0.44	0.50	0.47
VEA TWO	3.28	3.21	3.36	3.85	3.77	3.01	2.96	3.27
(N-20)-AVG EST	799.94	935.06	1017.60	1631.76	1556.37	549.20	549.39	415.23
(N-20)-S.D.EST	82.63	64.55	78.65	80.86	74.08	50.64	52.41	36.07
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	-0.	-0.	0.	0.	-0.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 73 THROUGH 80

	73	74	75	76	77	78	79	80
	KNEE CIR	KNEE CIR	CALF CIR	ANKLE CI	SCYE CIR	8ICEPS C	8ICEPS C	80
	CUMFERENCE	C SITTING	CUMFERENCE	RCUMF ENCE	CUMFERENCE	IRC EXT	IRC FLEXED	ELBOW CI
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	RC EXT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	304.0 2068	320.0 3470	281.0 1365	178.0 2279	339.0 1829	203.0 1564	231.0 2077	202.0 1564
2ND SMALLEST	308.0 3470	320.0 2635	282.0 3452	186.0 3452	345.0 1409	203.0 1561	231.0 1564	208.0 2513
3RD SMALLEST	319.0 1869	322.0 2646	295.0 3774	187.0 309	352.0 2513	212.0 3774	233.0 2235	212.0 3952
4TH SMALLEST	320.0 3770	323.0 1829	295.0 2635	189.0 1407	352.0 1564	214.0 4836	233.0 2170	212.0 2742
5TH SMALLEST	322.0 3540	323.0 1367	296.0 3839	190.0 3540	355.0 3680	215.0 3839	237.0 3839	213.0 1829
6TH SMALLEST	322.0 2635	325.0 1369	296.0 3484	190.0 735	355.0 1407	215.0 2941	238.0 1561	214.0 3318
7TH SMALLEST	322.0 1369	330.0 2546	296.0 2646	191.0 3484	360.0 2546	215.0 2077	239.0 2941	216.0 3680
8TH SMALLEST	323.0 3682	330.0 2215	297.0 1369	191.0 2635	361.0 3677	216.0 2235	240.0 3781	216.0 2235
9TH SMALLEST	325.0 3452	330.0 1521	297.0 266	191.0 551	361.0 2674	217.0 2338	242.0 3680	217.0 2437
XTH SMALLEST	325.0 3397	330.0 1391	298.0 3419	192.0 3004	361.0 1883	218.0 3696	242.0 1507	218.0 2546

XTH LARGEST	455.0 1300	470.0 1946	448.0 3303	270.0 1577	510.0 794	362.0 1006	394.0 957	310.0 297
9TH LARGEST	457.0 179	473.0 969	451.0 1963	270.0 2564	512.0 76	363.0 506	395.0 506	310.0 1116
8TH LARGEST	457.0 2023	475.0 2316	451.0 3668	270.0 2689	512.0 279	364.0 687	395.0 1939	310.0 1300
7TH LARGEST	460.0 291	475.0 2951	453.0 2194	270.0 3303	514.0 440	364.0 1116	395.0 2622	310.0 1854
6TH LARGEST	460.0 1535	480.0 440	457.0 1482	270.0 3514	515.0 860	365.0 1939	395.0 3191	310.0 1939
5TH LARGEST	463.0 3668	480.0 1851	457.0 2564	278.0 1782	520.0 707	367.0 3201	400.0 687	315.0 3303
4TH LARGEST	467.0 959	482.0 3668	462.0 687	280.0 440	520.0 900	368.0 1536	400.0 1782	316.0 720
3RD LARGEST	468.0 969	483.0 2889	469.0 2316	282.0 1482	521.0 657	370.0 969	402.0 969	316.0 900
2ND LARGEST	468.0 1854	484.0 687	470.0 969	282.0 2194	522.0 2622	378.0 2622	404.0 1116	318.0 1535
1ST LARGEST	483.0 440	485.0 1854	483.0 440	284.0 2804	538.0 31	380.0 707	410.0 900	323.0 969
THE MEAN VALUE	376.79	383.48	363.65	226.19	426.78	278.96	310.53	261.08
STD. DEVIATION	22.40	23.77	26.32	13.97	26.58	26.81	28.28	16.57
COFF/VARIATION	5.95	6.20	7.24	6.18	6.23	9.61	9.11	6.35
TOP	0.22	0.11	0.23	0.18	0.19	0.13	0.11	0.14
80T	0.16	0.07	0.11	0.18	0.15	0.10	0.07	0.17
VETA ONE	0.51	0.56	0.33	0.31	0.27	0.33	0.21	0.18
VETA TWO	3.54	3.57	3.25	3.23	3.06	2.85	2.80	2.98
(N-20)-AVG EST	376.72	383.39	363.58	226.16	426.73	278.90	310.50	261.06
(N-20)-S.D.EST	22.32	23.67	26.27	13.95	26.57	26.88	28.38	16.58
PCT DIFF/MEANS	0.	0.	C.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	C.	0.	0.	-0.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3865	3869	3869	3869	3869

C9/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 81 THROUGH 88

	81	82	83	84	85	86	87	88
	ELBOW CI RC FLEXED VALUE SBJCT	FOREARM CIRC EXT VALUE SBJCT	FOREARM CIR FLEXED VALUE SBJCT	WRIST CI RCUMF ENCE VALUE SBJCT	SL SPINE /SCYE VALUE SBJCT	SL SPINE -ELBOW VALUE SBJCT	SL SPINE -WRIST VALUE SBJCT	ANTERIOR NECK LGTH VALUE SBJCT
1ST SMALLEST	246.0 1321	221.0 2742	233.0 3680	141.0 3208	177.0 1170	485.0 2077	742.0 1094	45.0 2593
2NO SMALLEST	248.0 3940	222.0 3839	233.0 2077	146.0 3680	181.0 974	490.0 1407	752.0 2173	50.0 1116
3RD SMALLEST	248.0 2437	222.0 3781	235.0 3952	147.0 2173	181.0 828	490.0 1031	759.0 3598	50.0 1113
4TH SMALLEST	249.0 2705	222.0 3680	235.0 3781	148.0 3090	186.0 1031	490.0 799	761.0 799	51.0 3095
5TH SMALLEST	251.0 3680	222.0 1829	238.0 3951	148.0 381	186.0 848	491.0 1094	763.0 2077	53.0 1056
6TH SMALLEST	253.0 2077	223.0 2338	238.0 1484	149.0 2872	187.0 3934	498.0 2173	764.0 1031	54.0 1289
7TH SMALLEST	254.0 3452	223.0 2077	239.0 2338	149.0 2834	188.0 2235	503.0 1771	766.0 1321	55.0 1550
8TH SMALLEST	254.0 1094	223.0 1484	240.0 3839	149.0 2742	188.0 2077	505.0 3598	766.0 1307	55.0 1035
9TH SMALLEST	257.0 3105	225.0 2173	240.0 3011	149.0 1367	188.0 1307	508.0 1321	771.0 2742	55.0 274
XTH SMALLEST	258.0 2872	225.0 1564	240.0 2850	149.0 1094	190.0 3031	510.0 1307	771.0 2026	56.0 258

XTH LARGEST	375.0 673	320.0 533	346.0 1659	199.0 1577	288.0 2595	663.0 2889	988.0 2657	138.0 2130
9TH LARGEST	375.0 2353	320.0 720	349.0 1116	200.0 227	289.0 21	664.0 604	990.0 2353	139.0 2115
8TH LARGEST	376.0 3217	321.0 31	350.0 1939	200.0 1429	289.0 53	664.0 1729	993.0 1188	140.0 1531
7TH LARGEST	378.0 1116	321.0 1535	350.0 2353	200.0 3398	290.0 682	667.0 3303	993.0 1240	140.0 1565
6TH LARGEST	378.0 3191	322.0 1112	351.0 2804	201.0 766	291.0 1900	668.0 843	994.0 1216	140.0 1983
5TH LARGEST	380.0 301	322.0 506	351.0 3191	202.0 438	292.0 992	670.0 943	998.0 910	141.0 740
4TH LARGEST	382.0 289	327.0 1116	351.0 3303	202.0 3303	293.0 87	670.0 1216	1000.0 2166	143.0 2400
3RD LARGEST	383.0 751	328.0 1939	355.0 2425	204.0 1535	293.0 1729	674.0 3809	1001.0 440	145.0 1276
2ND LARGEST	383.0 794	333.0 900	358.0 900	204.0 3191	299.0 3221	681.0 2551	1003.0 1729	147.0 394
1ST LARGEST	395.0 3478	334.0 969	362.0 506	204.0 3221	302.0 604	695.0 440	1007.0 3681	155.0 3314
THE MEAN VALUE	310.21	269.30	288.15	171.71	235.47	587.81	882.03	94.42
STD. DEVIATION	20.68	17.20	19.84	8.47	16.97	27.23	37.96	14.56
COFF/VARIATION	6.67	6.39	6.88	4.93	7.20	4.63	4.30	15.42
TOP	0.17	0.15	0.15	0.10	0.14	0.21	0.09	0.21
BOT	0.10	0.04	0.07	0.16	0.13	0.16	0.13	0.13
VETA ONE	0.20	0.21	0.14	0.21	0.19	-0.02	0.03	0.09
VETA TWO	3.09	2.88	2.83	3.21	3.23	3.08	3.01	3.06
(N-20)-AVG EST	310.18	269.27	288.12	171.70	235.45	587.83	882.04	94.40
(N-20)-S.D.EST	20.67	17.22	19.89	8.45	16.94	27.18	37.96	14.55
PCT DIFF/MEANS	0.	0.	0.	0.	0.	-0.	-0.	0.
PCT DIF/ST OVS	0.	-0.	-0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 89 THROUGH 96

	89	90	91	92	93	94	95	96
	POSTERIO R NECK LTH VALUE SBJCT	SHOULDER LENGTH VALUE SBJCT	DELTOID ARC VALUE SBJCT	INTERSECT E VALUE SBJCT	INTERSECT E MAXIMUM VALUE SBJCT	WAIST FR CNT VALUE SBJCT	CROTCH L ENGLTH VALUE SBJCT	WAIST BA CK VALUE SBJCT
1ST SMALLEST	52.0 495	120.0 3598	118.0 429	275.0 1484	426.0 3677	307.0 1845	535.0 2850	351.0 2845
2ND SMALLEST	57.0 1035	123.0 3081	120.0 539	277.0 1252	428.0 3031	313.0 2745	540.0 3598	368.0 1648
3RD SMALLEST	57.0 547	123.0 2759	123.0 3663	288.0 2084	428.0 1252	314.0 2629	543.0 631	371.0 1541
4TH SMALLEST	59.0 3372	124.0 2146	123.0 641	290.0 1756	430.0 3850	320.0 2050	555.0 939	372.0 2745
5TH SMALLEST	61.0 3685	126.0 2513	123.0 41	292.0 2334	431.0 3648	324.0 3929	556.0 1407	372.0 1489
6TH SMALLEST	61.0 1234	128.0 1960	124.0 1869	297.0 3459	431.0 3470	326.0 539	557.0 3682	375.0 1845
7TH SMALLEST	61.0 288	128.0 1765	124.0 1006	297.0 2742	431.0 1484	327.0 1173	559.0 1367	377.0 1974
8TH SMALLEST	62.0 3034	128.0 372	124.0 214	300.0 3046	433.0 1756	328.0 3021	562.0 816	378.0 3024
9TH SMALLEST	62.0 2673	129.0 2962	125.0 393	300.0 2612	433.0 1369	330.0 2111	563.0 2646	379.0 3816
XTH SMALLEST	62.0 794	130.0 2952	126.0 1376	301.0 524	436.0 3443	330.0 868	564.0 2967	382.0 2105

XTH LARGEST	144.0 1738	216.0 3555	195.0 2017	471.0 2595	630.0 957	470.0 1116	825.0 3191	540.0 61
9TH LARGEST	145.0 621	218.0 1481	195.0 2266	474.0 668	632.0 2789	470.0 1946	827.0 232	542.0 173
8TH LARGEST	145.0 1597	218.0 2373	198.0 1806	474.0 1356	633.0 111	472.0 544	827.0 2564	542.0 452
7TH LARGEST	145.0 1838	219.0 3220	198.0 3303	474.0 3546	635.0 76	473.0 533	829.0 323	542.0 1429
6TH LARGEST	145.0 2108	220.0 1559	199.0 1744	475.0 660	636.0 87	473.0 897	834.0 1851	544.0 474
5TH LARGEST	148.0 1984	220.0 3809	200.0 773	475.0 3221	637.0 2595	474.0 1056	835.0 2593	545.0 532
4TH LARGEST	149.0 2094	221.0 2723	200.0 2200	476.0 935	642.0 3669	475.0 192	836.0 221	546.0 3435
3RD LARGEST	150.0 1283	221.0 3681	201.0 1828	483.0 1888	643.0 664	477.0 106	840.0 1726	550.0 854
2ND LARGEST	150.0 1522	222.0 2448	211.0 1900	485.0 2754	643.0 874	482.0 315	870.0 969	552.0 394
1ST LARGEST	152.0 2448	231.0 3428	212.0 3412	490.0 3555	644.0 963	482.0 434	874.0 994	558.0 2142
THE MEAN VALUE	100.44	174.68	156.31	376.16	529.32	387.86	674.43	460.19
STD. DEVIATION	14.73	15.62	12.17	29.60	35.29	23.42	45.97	27.53
COEFF/VARIATION	14.66	8.94	7.79	7.87	6.67	6.04	6.82	5.98
TOP**	0.10	0.17	0.25	0.11	0.07	0.09	0.19	0.11
BOT**	0.12	0.12	0.12	0.15	0.05	0.16	0.11	0.20
VETA ONE	0.20	-0.12	0.25	0.22	0.15	0.38	0.43	0.02
VETA TWO	3.03	2.87	3.25	3.08	2.93	3.45	3.27	3.04
(N-20)-AVG EST	100.43	174.69	156.29	376.12	529.30	387.81	674.32	460.19
(N-20)-S.D. EST	14.75	15.63	12.14	29.57	35.39	23.33	45.92	27.51
PCT DIFF/MEANS	0.	-0.	0.	0.	0.	0.	0.	-0.
PCT DIF/ST DVS	-0.	-0.	0.	0.	-0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 97 THROUGH 104

	97	98	99	100	101	102	103	104
	FOOT LEN	BALL-OF- FOOT LNTH	BALL-OF- FOOT SBCT	8I-MALLE OLAR BROTH	BALL-OF- FOOT SBCT	INSTEP C IRCUMF NCE	HEEL-ANK LE CIRCUMF	HAND LEN GTH
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	226.0	161.0	80.0	61.0	207.0	229.0	289.0	161.0
2ND SMALLEST	227.0	162.0	82.0	62.0	214.0	229.0	295.0	165.0
3RD SMALLEST	228.0	164.0	83.0	63.0	215.0	233.0	295.0	167.0
4TH SMALLEST	228.0	164.0	83.0	63.0	215.0	234.0	296.0	168.0
5TH SMALLEST	229.0	165.0	83.0	63.0	218.0	234.0	298.0	168.0
6TH SMALLEST	229.0	165.0	83.0	63.0	218.0	235.0	299.0	168.0
7TH SMALLEST	230.0	165.0	84.0	64.0	218.0	237.0	300.0	169.0
8TH SMALLEST	231.0	166.0	84.0	64.0	219.0	237.0	300.0	169.0
9TH SMALLEST	231.0	166.0	84.0	64.0	219.0	237.0	300.0	169.0
XTH SMALLEST	232.0	167.0	84.0	64.0	220.0	237.0	301.0	169.0

XTH LARGEST	305.0	225.0	114.0	87.0	291.0	316.0	387.0	227.0
9TH LARGEST	307.0	225.0	114.0	87.0	291.0	316.0	388.0	228.0
8TH LARGEST	308.0	225.0	114.0	87.0	291.0	318.0	390.0	228.0
7TH LARGEST	309.0	226.0	115.0	87.0	292.0	318.0	390.0	229.0
6TH LARGEST	313.0	226.0	115.0	87.0	292.0	319.0	392.0	229.0
5TH LARGEST	313.0	226.0	115.0	87.0	292.0	319.0	392.0	230.0
4TH LARGEST	313.0	227.0	115.0	88.0	293.0	320.0	393.0	230.0
3RD LARGEST	314.0	230.0	116.0	88.0	293.0	321.0	394.0	232.0
2ND LARGEST	315.0	230.0	119.0	88.0	294.0	321.0	399.0	232.0
1ST LARGEST	317.0	236.0	120.0	89.0	301.0	324.0	399.0	237.0
THE MEAN VALUE	267.89	194.45	98.23	74.47	252.90	272.05	341.64	196.50
STD. DEVIATION	12.74	9.84	5.42	3.58	12.60	13.73	15.55	9.82
COEFF/VARIATION	4.76	5.06	5.52	5.34	4.98	5.05	4.55	5.00
..TOP..	0.16	0.19	0.20	0.09	0.14	0.10	0.14	0.17
..BOT..	0.08	0.10	0.13	0.13	0.18	0.10	0.14	0.14
VETA ONE	0.08	0.09	0.14	0.15	0.16	0.23	0.15	0.14
VETA TWO	3.13	3.12	3.00	3.06	3.02	3.22	3.05	3.20
(N-20)-AVG EST	267.88	194.44	98.22	74.46	252.89	272.02	341.62	196.49
(N-20)-S.D.EST	12.71	9.82	5.43	3.98	12.61	13.71	15.55	9.80
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	-0.	-0.	-0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3409	3409	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 1C5 THROUGH 112

	105	106	107	108	109	110	111	112
	PALM LEN	HAND 8RE	HAND CIR	HAND CIR	THICKNES	FINGER D	HEAD CIR	SAGITTAL
	GTH	ADTH/META	C/META	C/THUMB	S META/III	IAM III	CUMFERENCE	ARC
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	89.0	74.0	172.0	214.0	21.0	12.0	505.0	337.0
2ND SMALLEST	3598	3839	2173	2788	3	381	3838	2195
3RD SMALLEST	94.0	3084	180.0	215.0	22.0	12.0	512.0	338.0
4TH SMALLEST	2902	3811	3841	2235	3614	355	3926	2064
5TH SMALLEST	94.0	2501	3055	215.0	2855	322	2938	2312
6TH SMALLEST	925	2437	2855	215.0	573	285	339.0	2059
7TH SMALLEST	2489	3095	2872	218.0	2658	274	1768	3185
8TH SMALLEST	56.0	2855	1094	218.0	24.0	245	2646	2902
9TH SMALLEST	2698	2173	3470	218.0	2338	150	3774	2682
XTH SMALLEST	56.0	2345	3680	219.0	2327	91	3464	2092
	1771	2324	3090	219.0	2003	84	3208	1701
	1376	1321	1829	220.0	1750	3	2772	1671

XTH LARGEST	135.0	891	2652	288.0	38	16.0	611.0	425.0
9TH LARGEST	3126	1601	610	288.0	734	292	356	1093
8TH LARGEST	136.0	1881	1745	288.0	943	400	455	173
7TH LARGEST	2266	1819	3565	289.0	2170	420	571	688
6TH LARGEST	2702	2353	659	289.0	2425	460	532	909
5TH LARGEST	3170	2422	2804	289.0	2632	470	795	276
4TH LARGEST	3879	874	2789	289.0	3463	474	909	760
3RD LARGEST	138.0	2717	2862	290.0	1286	769	915	774
2ND LARGEST	2723	2862	3303	292.0	2789	795	58	1652
1ST LARGEST	3250	2789	1675	293.0	2704	821	506	3287
								1046
THE MEAN VALUE	114.88	88.69	214.52	252.34	29.70	13.70	562.59	378.46
STD. DEVIATION	6.70	4.73	10.26	12.38	2.11	0.79	16.51	15.28
COEFF./VARIATION	5.83	5.33	4.77	4.91	7.10	5.79	2.93	4.04
TOP	0.08	0.07	0.20	0.07	0.17	0.0	0.08	0.07
BOT	0.18	0.07	0.31	0.09	0.25	0.0	0.16	0.04
VETA ONE	0.15	0.03	0.07	0.05	0.09	0.10	0.10	0.18
VETA TWO	3.09	2.94	3.04	2.93	2.93	2.80	2.97	3.05
(N-20)-AVG EST	114.88	88.68	214.91	252.33	29.70	13.70	562.58	378.43
(N-20)-S.D.EST	6.69	4.74	10.25	12.41	2.11	0.80	16.55	15.31
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	0.	-0.	0.	-1.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

C9/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 113 THROUGH 120

	113	114	115	116	117	118	119	120
	MINIMUM	BIT-CORO	8IT-MIN	8IT-SUBN	BIT-MENT	BIT-SUBM	BIT-POST	HEAD LEN
	FRONTL ARC	NAL ARC	FRONTL A	ASALE ARC	ON ARC	ANDI8 ARC	ERIOR ARC	GTH
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	95.0 3237	305.0 3816	270.0 3838	245.0 2402	265.0 1713	240.0 2464	210.0 3156	171.0 2772
2ND SMALLEST	95.0 3148	305.0 3126	270.0 3635	248.0 3598	270.0 1829	243.0 1740	210.0 3112	172.0 2077
3RD SMALLEST	95.0 2402	305.0 2646	270.0 2522	250.0 3949	273.0 1466	243.0 1829	210.0 1404	173.0 2673
4TH SMALLEST	95.0 2099	305.0 1746	270.0 2402	250.0 3421	274.0 1860	248.0 1974	215.0 3696	173.0 1370
5TH SMALLEST	95.0 826	307.0 2765	273.0 3280	253.0 608	274.0 1308	250.0 3084	215.0 2169	174.0 3571
6TH SMALLEST	96.0 862	308.0 3635	273.0 3017	255.0 3106	275.0 3598	250.0 2292	215.0 1711	174.0 3016
7TH SMALLEST	97.0 2507	308.0 2312	273.0 1768	255.0 2895	275.0 3421	250.0 1466	215.0 1442	175.0 3831
8TH SMALLEST	98.0 3102	310.0 1373	274.0 1750	255.0 1829	275.0 3106	250.0 1307	217.0 3811	175.0 2646
9TH SMALLEST	98.0 811	311.0 3361	275.0 2790	255.0 1472	275.0 2402	252.0 3598	217.0 2742	176.0 3071
XTH SMALLEST	99.0 3095	312.0 1119	275.0 2679	256.0 3017	275.0 1796	252.0 2528	218.0 3459	176.0 2988

XTH LARGEST	146.0 111	391.0 3681	337.0 3389	320.0 899	355.0 1055	345.0 576	295.0 963	215.0 746
9TH LARGEST	146.0 324	392.0 688	338.0 4	320.0 1055	355.0 1111	345.0 691	295.0 1069	215.0 1093
8TH LARGEST	146.0 1765	392.0 752	338.0 584	322.0 1675	355.0 1429	345.0 900	296.0 61	215.0 1280
7TH LARGEST	147.0 295	392.0 2126	340.0 87	322.0 1858	355.0 2425	345.0 1111	296.0 460	216.0 31
6TH LARGEST	148.0 356	392.0 2403	340.0 569	322.0 1922	355.0 2564	346.0 506	296.0 1116	217.0 612
5TH LARGEST	148.0 1668	395.0 1126	340.0 3745	323.0 3773	356.0 110	352.0 85	296.0 1259	217.0 2181
4TH LARGEST	150.0 98	398.0 571	341.0 900	324.0 1429	356.0 1037	352.0 795	300.0 915	218.0 760
3RD LARGEST	150.0 496	400.0 786	342.0 1920	330.0 382	357.0 111	354.0 179	303.0 235	218.0 2651
2ND LARGEST	150.0 2603	400.0 1917	342.0 3220	330.0 900	357.0 1536	355.0 460	303.0 506	220.0 292
1ST LARGEST	154.0 1354	405.0 610	349.0 356	330.0 969	363.0 3066	363.0 1116	305.0 926	222.0 1920
THE MEAN VALUE	119.70	350.79	304.77	287.00	314.07	292.93	254.93	196.23
STD. DEVIATION	8.85	13.94	11.09	11.69	14.40	16.73	13.89	7.20
COFF/VARIATION	7.39	3.97	3.64	4.07	4.58	5.71	5.45	3.67
••TOP••	0.17	0.18	0.19	0.16	0.10	0.19	0.13	0.18
••BOT••	0.09	0.09	0.08	0.17	0.13	0.13	0.10	0.13
VETA ONE	0.38	0.12	0.11	0.20	0.09	0.27	0.19	-0.01
VETA TWO	3.07	3.14	3.06	3.07	2.87	2.99	2.94	2.92
(N-20)-AVG EST	119.68	350.79	304.76	286.99	314.06	292.90	254.92	196.23
(N-20)-S.D.EST	8.87	13.92	11.09	11.69	14.44	16.73	13.90	7.20
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	-0.
PCT DIF/ST DVS	-0.	0.	-0.	-0.	-0.	-0.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 121 THROUGH 128

	121	122	123	124	125	126	127	128
	MAX HEAD DIAG/MENT	MAX HEAD DIAG/NUCH	EAR LENG TH	EAR LGTH ABOVE TRG	EAR 8REA DTH	EAR PROT RUSION	HEAD BRE ADTH	81-AURIC ULAR DIAM
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	223.0 1682	171.0 2646	47.0 1719	16.0 2745	22.0 1878	10.0 3860	135.0 3838	154.0 3799
2ND SMALLEST	224.0 3156	172.0 3811	49.0 2331	17.0 2331	22.0 1307	10.0 3323	136.0 2157	155.0 3608
3RD SMALLEST	224.0 1365	172.0 3770	50.0 2745	17.0 2256	23.0 3230	10.0 2655	137.0 3156	156.0 3311
4TH SMALLEST	225.0 3635	173.0 3952	50.0 2642	17.0 1684	23.0 2643	10.0 1965	137.0 2912	156.0 2697
5TH SMALLEST	225.0 2902	173.0 3816	50.0 2254	18.0 1719	24.0 1305	11.0 3840	138.0 3459	156.0 2523
6TH SMALLEST	225.0 2646	173.0 1560	50.0 1704	19.0 3747	24.0 3186	11.0 3644	138.0 2928	157.0 3021
7TH SMALLEST	225.0 1768	173.0 1307	50.0 1307	19.0 1797	24.0 3154	11.0 3384	138.0 2587	157.0 2859
8TH SMALLEST	226.0 608	174.0 3798	51.0 1769	20.0 2112	24.0 3000	11.0 3320	138.0 2293	157.0 727
9TH SMALLEST	227.0 1872	174.0 1634	51.0 1461	20.0 1985	24.0 2656	11.0 2697	138.0 1788	158.0 3677
XTH SMALLEST	228.0 2938	174.0 1394	51.0 736	20.0 1717	24.0 1909	11.0 1358	138.0 1373	158.0 2629

XTH LARGEST	276.0 757	218.0 21	77.0 317	37.0 2170	44.0 186	32.0 325	170.0 992	209.0 145
9TH LARGEST	276.0 1565	218.0 356	77.0 357	38.0 586	44.0 251	32.0 924	170.0 1217	210.0 440
8TH LARGEST	277.0 387	218.0 900	77.0 383	38.0 1492	44.0 324	33.0 58	171.0 440	210.0 2161
7TH LARGEST	279.0 284	219.0 774	77.0 437	38.0 2547	44.0 351	33.0 390	172.0 107	210.0 2379
6TH LARGEST	279.0 909	219.0 993	77.0 604	38.0 2645	44.0 390	33.0 1272	172.0 786	211.0 58
5TH LARGEST	279.0 2425	219.0 994	78.0 460	39.0 771	44.0 586	33.0 3031	172.0 1741	211.0 1612
4TH LARGEST	279.0 3066	220.0 887	79.0 240	39.0 848	45.0 260	34.0 145	173.0 898	212.0 2549
3RD LARGEST	279.0 3436	222.0 217	75.0 398	39.0 2094	45.0 1388	34.0 1329	174.0 696	213.0 325
2ND LARGEST	281.0 1037	222.0 506	80.0 434	39.0 3521	46.0 325	36.0 275	174.0 838	213.0 752
1ST LARGEST	282.0 9	223.0 720	80.0 745	41.0 1076	50.0 1076	36.0 1644	174.0 2403	218.0 1329
THE MEAN VALUE	251.49	194.56	63.39	28.68	35.22	21.14	153.11	184.29
STD. DEVIATION	8.59	8.00	4.60	3.02	3.31	3.67	5.78	9.25
COEFF/VARIATION	3.42	4.11	7.25	10.54	9.40	17.36	3.78	5.02
••TOP••	0.13	0.11	0.12	0.24	0.30	0.19	0.13	0.18
••BOT••	0.10	0.07	0.15	0.24	0.10	0.05	0.09	0.08
VETA ONE	0.06	0.15	0.12	-0.01	-0.13	0.21	0.12	-0.08
VETA TWO	2.98	2.86	3.08	3.14	3.34	3.03	2.96	2.96
(N-20)-AVG EST	251.49	194.55	63.38	28.68	35.22	21.14	153.10	184.29
(N-20)-S.D.EST	8.59	8.02	4.60	3.01	3.30	3.67	5.79	9.27
PCT DIFF/MEANS	0.	0.	0.	-0.	-0.	0.	0.	-0.
PCT DIF/ST OVS	0.	-0.	-0.	1.	0.	0.	-0.	-0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 129 THROUGH 136

	129	130	131	132	133	134	135	136
	81TRAGIO N DIAMETER VALUE SBJCT	81ZYGOMA TIC DIAM VALUE SBJCT	MAX FRON TAL DIAM VALUE SBJCT	81GNCIAL DIAMETER VALUE SBJCT	81OCULAR DIAMETER VALUE SBJCT	INTERPUP ILLARY DST VALUE SBJCT	INTEROCU LAR DIAM VALUE SBJCT	NASAL RO OT BREADTH VALUE SBJCT
1ST SMALLEST	119.0 3838	120.0 522	97.0 2690	88.0 2781	76.0 3635	49.0 2716	23.0 754	11.0 3064
2ND SMALLEST	119.0 1466	122.0 3331	58.0 3340	90.0 463	77.0 3814	51.0 2436	24.0 2193	11.0 1071
3RD SMALLEST	119.0 1409	122.0 3046	95.0 3284	91.0 3811	78.0 3017	51.0 2358	24.0 1579	11.0 152
4TH SMALLEST	120.0 3477	122.0 2928	99.0 2928	92.0 1676	79.0 3284	51.0 1861	24.0 1288	11.0 54
5TH SMALLEST	120.0 3311	122.0 2679	100.0 2196	92.0 1057	79.0 2402	52.0 3604	24.0 1001	11.0 40
6TH SMALLEST	120.0 2629	123.0 3470	100.0 1829	92.0 644	80.0 3680	52.0 3486	24.0 725	12.0 2790
7TH SMALLEST	121.0 3031	123.0 1829	100.0 1091	93.0 2320	80.0 3133	52.0 2973	24.0 586	12.0 2338
8TH SMALLEST	121.0 2928	123.0 1711	100.0 1042	93.0 1842	80.0 2716	52.0 2530	24.0 509	12.0 2122
9TH SMALLEST	121.0 2859	123.0 1466	101.0 2635	93.0 1711	80.0 2436	52.0 1829	24.0 416	12.0 1457
XTH SMALLEST	121.0 2544	124.0 3311	101.0 2402	94.0 2026	80.0 1829	52.0 554	24.0 350	12.0 1325

XTH LARGEST	157.0 69	156.0 109	128.0 2378	123.0 382	109.0 356	73.0 603	40.0 893	27.0 1845
9TH LARGEST	157.0 110	156.0 215	129.0 319	123.0 897	110.0 62	74.0 339	40.0 1274	27.0 2388
8TH LARGEST	157.0 164	156.0 673	129.0 1536	123.0 1152	110.0 325	74.0 528	40.0 1415	28.0 1116
7TH LARGEST	157.0 440	156.0 1782	130.0 187	124.0 440	110.0 360	74.0 659	40.0 1465	28.0 1415
6TH LARGEST	160.0 109	157.0 128	130.0 838	124.0 2126	110.0 382	74.0 2446	40.0 1667	28.0 1668
5TH LARGEST	160.0 111	157.0 273	130.0 1506	125.0 528	110.0 495	75.0 325	41.0 479	28.0 3375
4TH LARGEST	160.0 382	157.0 752	130.0 2053	125.0 899	110.0 650	75.0 356	41.0 1462	28.0 3813
3RD LARGEST	160.0 2925	157.0 838	131.0 356	125.0 1506	110.0 1036	76.0 382	41.0 1499	29.0 650
2ND LARGEST	162.0 215	157.0 3824	131.0 3436	125.0 1827	111.0 601	76.0 495	42.0 1423	29.0 1413
1ST LARGEST	162.0 216	160.0 382	132.0 382	126.0 2053	113.0 636	77.0 58	42.0 1910	30.0 3778
THE MEAN VALUE	138.50	139.90	114.63	107.19	94.18	62.30	31.51	18.27
STD. DEVIATION	6.48	5.64	4.80	5.43	5.29	3.94	2.79	2.62
COFF/VARIATION	4.68	4.03	4.18	5.06	5.61	6.32	8.85	14.32
••TOP••	0.14	0.13	0.15	0.10	0.14	0.19	0.13	0.20
••BOT••	0.06	0.13	0.15	0.21	0.14	0.14	0.06	0.07
VETA ONE	0.10	0.04	0.02	0.15	0.09	0.10	0.27	0.30
VETA TWO	2.98	2.90	3.04	2.98	2.91	2.85	3.04	3.26
(N-20)-AVG EST	138.50	139.90	114.63	107.18	94.18	62.30	31.51	18.26
(N-20)-S.D.EST	6.49	5.65	4.79	5.43	5.30	3.95	2.79	2.61
PCT DIFF/MEANS	0.	-0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	-0.	0.	-0.	-0.	-0.	-0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 137 THROUGH 144

	137	138	139	140	141	142	143	144
	NASAL 8R EADTH	NOSE PRO TRUSION	PHILTRUM LENGTH	LIP-LIP DISTANCE	LIP LENG TH	LIP LENG TH SMILING	MENTON-S UBNASALE L	MENTON-N ASAL RT OP
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	22.0 3529	13.0 2629	7.0 2273	6.0 1148	35.0 2780	39.0 2780	49.0 1574	55.0 833
2ND SMALLEST	23.0 2810	14.0 3078	7.0 2081	7.0 1796	35.0 1594	39.0 2295	50.0 1223	97.0 1447
3RD SMALLEST	24.0 3870	14.0 1469	7.0 1852	7.0 1108	36.0 3827	39.0 2001	52.0 1447	99.0 1200
4TH SMALLEST	24.0 725	15.0 2697	7.0 1182	8.0 888	36.0 3371	40.0 3371	52.0 1386	55.0 1091
5TH SMALLEST	25.0 3454	15.0 2636	8.0 1835	8.0 652	36.0 2923	40.0 1435	52.0 833	100.0 2955
6TH SMALLEST	25.0 3022	15.0 2278	8.0 1662	8.0 287	36.0 968	41.0 3577	53.0 1414	100.0 1574
7TH SMALLEST	25.0 2972	15.0 1763	8.0 1451	8.0 165	37.0 3341	41.0 3341	53.0 931	100.0 870
8TH SMALLEST	25.0 2933	15.0 1697	8.0 1447	9.0 546	37.0 3189	41.0 2184	53.0 321	100.0 443
9TH SMALLEST	25.0 2672	15.0 1524	8.0 1361	9.0 489	37.0 3081	41.0 1790	53.0 8	101.0 1157
XTH SMALLEST	25.0 1737	15.0 1407	8.0 1161	9.0 291	37.0 2754	41.0 1666	54.0 844	101.0 964

XTH LARGEST	48.0 1480	32.0 454	23.0 217	33.0 1197	62.0 24	79.0 256	89.0 1812	140.0 1554
9TH LARGEST	48.0 1556	33.0 86	23.0 420	33.0 1434	62.0 58	79.0 3039	89.0 2509	140.0 2708
8TH LARGEST	48.0 1717	33.0 298	23.0 831	33.0 1648	62.0 273	79.0 3066	85.0 2704	141.0 2704
7TH LARGEST	49.0 1284	33.0 490	23.0 899	33.0 1716	62.0 382	79.0 3169	89.0 3006	142.0 777
6TH LARGEST	49.0 1463	33.0 749	23.0 573	33.0 2704	62.0 398	80.0 109	89.0 3725	142.0 1844
5TH LARGEST	49.0 1854	33.0 984	23.0 1036	33.0 3006	62.0 444	80.0 194	90.0 2339	142.0 3250
4TH LARGEST	49.0 2244	33.0 1300	23.0 1596	33.0 3030	63.0 339	80.0 701	91.0 3773	143.0 1894
3RD LARGEST	49.0 3066	33.0 1844	24.0 622	34.0 1486	64.0 720	81.0 273	92.0 3250	144.0 2676
2ND LARGEST	50.0 919	34.0 1894	24.0 693	34.0 2247	65.0 276	81.0 382	95.0 2676	144.0 3074
1ST LARGEST	50.0 3050	34.0 3098	24.0 1628	35.0 919	66.0 227	81.0 736	95.0 3074	145.0 2509
THE MEAN VALUE	34.19	23.45	14.73	18.58	48.70	56.91	70.05	119.19
STO. DEVIATION	3.82	3.01	2.61	4.04	4.43	6.48	6.13	6.81
COFF/VARIATION	11.18	12.85	17.71	21.73	9.10	11.38	8.74	5.71
TOP	0.09	0.12	0.07	-0.08	0.16	0.05	0.17	0.13
80T	0.13	0.12	0.07	0.13	0.08	0.05	0.14	0.15
VETA ONE	0.89	0.06	0.17	0.65	0.08	0.38	0.16	0.10
VETA TWO	4.15	2.95	3.05	3.89	3.00	3.20	3.18	3.06
(N-20)-AVG EST	34.18	23.45	14.73	18.57	48.69	56.90	70.04	119.18
(N-20)-S.D.EST	3.81	3.01	2.61	4.03	4.44	6.48	6.12	6.80
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST OVS	0.	-0.	-C.	0.	-0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

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TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 145 THROUGH 152

	145	146	147	148	149	150	151	152
	SUBNAS-N	VERTEX-G	VERTEX-N	VERTEX-E	VERTEX-P	VERTEX-S	VERTEX-M	VERTEX-T
	AS RT DPTH	LABELLA HT	ASAL RT DP	XT CANT HT	RONASALE H	TOMION HT	ENTON HT	REGION HT
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	37.0 1091	55.0 176	73.0 176	89.0 176	115.0 176	149.0 176	193.0 1574	108.0 826
2ND SMALLEST	38.0 3799	60.0 72	81.0 662	91.0 3816	118.0 431	152.0 1451	193.0 586	110.0 3635
3RD SMALLEST	38.0 3431	63.0 26	82.0 1585	93.0 965	119.0 3668	154.0 662	193.0 176	111.0 527
4TH SMALLEST	38.0 2454	65.0 1585	82.0 200	93.0 80	119.0 1451	155.0 3635	194.0 3635	112.0 2646
5TH SMALLEST	39.0 2458	65.0 662	83.0 1451	94.0 157	120.0 3635	155.0 2646	195.0 826	112.0 1145
6TH SMALLEST	40.0 3095	66.0 80	83.0 1308	95.0 3635	120.0 662	155.0 3	195.0 662	113.0 3816
7TH SMALLEST	40.0 165	67.0 28	83.0 157	95.0 3242	120.0 151	156.0 3816	195.0 527	113.0 2850
8TH SMALLEST	41.0 3083	68.0 965	84.0 2646	95.0 662	122.0 2646	156.0 726	195.0 431	113.0 2312
9TH SMALLEST	41.0 2833	68.0 200	84.0 2092	95.0 527	123.0 1585	157.0 965	196.0 3	113.0 1574
XTH SMALLEST	41.0 2463	68.0 157	85.0 527	95.0 161	123.0 726	157.0 538	197.0 870	114.0 1373

XTH LARGEST	62.0 735	113.0 1414	130.0 2027	135.0 379	171.0 1151	205.0 1862	253.0 534	150.0 2149
9TH LARGEST	62.0 777	113.0 1718	130.0 2590	135.0 420	171.0 1456	206.0 420	253.0 1486	150.0 2750
8TH LARGEST	62.0 1756	114.0 979	130.0 2658	135.0 720	172.0 621	206.0 3120	253.0 2149	150.0 3225
7TH LARGEST	63.0 187	115.0 1151	130.0 3309	135.0 1917	172.0 993	207.0 1456	254.0 919	151.0 610
6TH LARGEST	63.0 992	115.0 1313	131.0 3410	135.0 3615	173.0 2658	207.0 3250	254.0 2676	151.0 1741
5TH LARGEST	63.0 1722	117.0 1027	132.0 1718	136.0 1027	174.0 654	208.0 1718	255.0 1832	151.0 2579
4TH LARGEST	64.0 1543	119.0 647	132.0 3615	137.0 757	175.0 2027	209.0 3615	257.0 1718	152.0 284
3RD LARGEST	65.0 1844	119.0 899	133.0 1027	139.0 2812	175.0 3304	210.0 919	260.0 3615	152.0 993
2ND LARGEST	65.0 3235	119.0 1456	134.0 1456	140.0 647	178.0 1027	210.0 2027	261.0 3250	152.0 2812
1ST LARGEST	66.0 1439	119.0 3615	135.0 647	140.0 1486	181.0 647	211.0 3074	265.0 3074	153.0 1917
THE MEAN VALUE	50.97	92.07	108.40	115.94	148.30	182.31	226.66	131.79
STD. DEVIATION	3.66	8.07	7.78	6.72	8.41	8.41	9.74	6.16
COFF/VARIATION	7.18	8.77	7.18	5.79	5.85	4.62	4.30	4.67
TOP**	0.19	0.13	0.11	0.13	0.21	0.13	0.21	0.08
BOT**	0.19	0.29	0.27	0.15	0.17	0.17	0.07	0.17
VETA ONE	0.07	-0.10	-0.05	-0.07	-0.06	-0.04	-0.02	-0.01
VETA TWO	3.19	3.16	3.20	3.20	3.12	3.16	3.10	3.20
(N-20)-AVG EST	50.97	92.08	108.41	115.95	148.31	182.31	226.66	131.79
(N-20)-S.D.EST	3.65	8.06	7.77	6.70	8.67	8.40	9.73	6.14
PCT DIFF/MEANS	0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
PCT DIF/ST DVS	0.	0.	0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

STATISTICS FOR VARIABLES 153 THROUGH 160

	153		154		155		156		157		158		159		160			
	WALL-GLA		WALL-NAS		WALL-EX		WALL-PRO		WALL-STO		WALL-MEN		WALL-TRA		WALL-RANK			
	8ELLA	RT	DEP	DT	CANT	NASALE	DST	MIGN	DIST	TON	DIST	VAL	SBJCT	VAL	SBJCT	VAL	SBJCT	
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	171.0	2077	170.0	2077	148.0	3571	190.0	3181	176.0	3181	144.0	3181	74.0	3207	11.0	1257		
2ND SMALLEST	175.0	1370	172.0	1370	148.0	2077	191.0	2077	176.0	2567	148.0	2077	74.0	1836	11.0	1256		
3RD SMALLEST	177.0	3016	173.0	3016	149.0	1370	192.0	2500	176.0	91	150.0	1768	74.0	1735	11.0	1255		
4TH SMALLEST	177.0	2772	174.0	3016	150.0	3831	195.0	1273	178.0	2500	152.0	3689	75.0	3293	11.0	1254		
5TH SMALLEST	177.0	1585	174.0	1763	150.0	3361	196.0	3325	179.0	550	154.0	1383	75.0	2954	11.0	1253		
6TH SMALLEST	178.0	2988	175.0	3208	150.0	2988	196.0	3016	180.0	3766	155.0	2718	75.0	2765	11.0	1252		
7TH SMALLEST	178.0	2673	175.0	2954	150.0	2954	196.0	1560	180.0	1294	155.0	2566	75.0	2077	11.0	1251		
8TH SMALLEST	178.0	1273	175.0	2772	151.0	3821	196.0	91	181.0	2902	156.0	3515	76.0	2616	11.0	1250		
9TH SMALLEST	179.0	2646	176.0	3831	151.0	2646	197.0	2567	181.0	1370	156.0	3208	76.0	2026	11.0	1249		
XTH SMALLEST	179.0	2522	176.0	3280	151.0	1194	197.0	2026	181.0	1325	156.0	2968	76.0	1560	11.0	1248		

XTH LARGEST	218.0	2593	216.0	915	194.0	156	243.0	114	233.0	1433	222.0	178	118.0	78	24.0	259		
9TH LARGEST	218.0	2645	217.0	292	194.0	571	243.0	170	233.0	2651	223.0	475	118.0	114	24.0	287		
8TH LARGEST	219.0	760	217.0	746	194.0	760	243.0	506	234.0	1036	224.0	292	119.0	156	24.0	288		
7TH LARGEST	219.0	2222	217.0	2181	194.0	900	243.0	604	234.0	1429	224.0	571	119.0	207	25.0	263		
6TH LARGEST	220.0	292	217.0	3773	195.0	73	243.0	900	235.0	156	224.0	586	119.0	1137	25.0	308		
5TH LARGEST	220.0	2651	218.0	73	195.0	252	245.0	292	235.0	1745	224.0	1300	119.0	3287	25.0	310		
4TH LARGEST	221.0	2181	218.0	1920	195.0	3698	245.0	3773	237.0	110	225.0	143	120.0	2651	25.0	357		
3RD LARGEST	224.0	74	219.0	3698	196.0	74	247.0	2651	239.0	2645	225.0	1429	120.0	3078	25.0	444		
2ND LARGEST	224.0	3698	220.0	2651	156.0	673	248.0	3698	239.0	3773	226.0	156	122.0	17	25.0	609		
1ST LARGEST	225.0	1920	222.0	74	197.0	1036	249.0	73	240.0	3698	235.0	61	122.0	571	29.0	46		
THE MEAN VALUE	198.25		196.01		172.15		219.84		205.51		187.63		96.26		13.19			
STD. DEVIATION	7.14		7.04		7.40		8.22		9.06		11.91		6.78		3.88			
COFF./VARIATION	3.60		3.59		4.30		3.74		4.41		6.35		7.04		29.41			
***TOP**	0.18		0.15		0.07		0.13		0.13		0.20		0.10		0.38			
***BOT**	0.21		0.15		0.07		0.15		0.10		0.18		0.05		0.0			
VETA ONE	0.05		0.04		0.01		0.01		0.12		0.11		0.06		1.63			
VETA TWO	2.95		3.02		3.01		3.01		3.04		3.01		3.19		4.11			
(N-20)-AVG EST	198.25		196.01		172.15		219.84		205.50		187.62		96.26		13.16			
(N-20)-S.D.EST	7.15		7.04		7.40		8.22		9.05		11.92		6.76		3.93			
PCT DIFF/MEANS	0.		0.		0.		-0.		0.		0.		0.		1.			
PCT DIF/ST DVS	-0.		0.		-0.		-0.		0.		-0.		0.		-1.			
SIZE DF SAMPLE	3869		3869		3869		3869		3869		3869		3869		3869			

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TABLE 8 (continued)
 XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 161 THROUGH 168

	161 AERO/RAT ING	162 BIRTHPLA CE SUBJECT	163 BIRTHPLA CE FATHER	164 BIRTHPLA CE MOTHER	165 RELIGION	166 EDUCATIO N	167 RACE	168 MARITAL STATUS
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	1.0 36	1.0 3256	1.0 1095	1.0 1012	1.0 1	6.0 440	1.0 1	1.0 1
2ND SMALLEST	1.0 29	1.0 3053	1.0 1044	1.0 528	1.0 3	7.0 2830	1.0 2	1.0 2
3RD SMALLEST	1.0 27	1.0 2554	1.0 1037	1.0 809	1.0 4	7.0 2605	1.0 3	1.0 3
4TH SMALLEST	1.0 26	1.0 2452	1.0 1012	1.0 655	1.0 5	7.0 2241	1.0 4	1.0 4
5TH SMALLEST	1.0 24	1.0 1703	1.0 722	1.0 314	1.0 6	7.0 844	1.0 5	1.0 5
6TH SMALLEST	1.0 23	1.0 1660	1.0 391	1.0 270	1.0 8	7.0 278	1.0 6	1.0 6
7TH SMALLEST	1.0 5	1.0 1205	1.0 281	1.0 262	1.0 9	7.0 277	1.0 7	1.0 9
8TH SMALLEST	1.0 14	1.0 1124	1.0 270	1.0 210	1.0 10	8.0 482	1.0 8	1.0 10
9TH SMALLEST	1.0 15	1.0 1095	1.0 265	1.0 70	1.0 11	8.0 466	1.0 9	1.0 13
XTH SMALLEST	1.0 21	1.0 722	1.0 210	1.0 51	1.0 12	8.0 445	1.0 10	1.0 14

XTH LARGEST	5.0 4	95.0 607	95.0 607	95.0 607	7.0 812	21.0 347	3.0 591	3.0 286
9TH LARGEST	5.0 6	95.0 636	95.0 636	95.0 636	7.0 813	21.0 364	3.0 607	3.0 311
8TH LARGEST	5.0 7	95.0 1010	95.0 1010	95.0 1010	7.0 895	22.0 372	3.0 636	3.0 355
7TH LARGEST	5.0 8	95.0 1211	95.0 3008	95.0 3008	7.0 989	22.0 382	3.0 1010	3.0 398
6TH LARGEST	5.0 11	95.0 1673	95.0 3647	95.0 3647	7.0 1086	22.0 447	3.0 1015	3.0 421
5TH LARGEST	5.0 12	95.0 2437	95.0 3673	95.0 3673	7.0 1561	22.0 456	3.0 1153	4.0 443
4TH LARGEST	5.0 16	95.0 3008	95.0 3689	95.0 3682	7.0 1862	23.0 367	3.0 1503	4.0 652
3RD LARGEST	5.0 17	95.0 3647	95.0 3690	95.0 3689	8.0 975	24.0 368	9.0 795	4.0 744
2ND LARGEST	5.0 18	95.0 3673	95.0 3693	95.0 3690	9.0 1608	25.0 361	9.0 961	4.0 869
1ST LARGEST	5.0 19	95.0 3689	95.0 3694	95.0 3693	9.0 2073	26.0 369	9.0 1781	5.0 192
THE MEAN VALUE	3.22	45.21	42.99	43.37	1.50	12.61	1.13	1.77
STD. DEVIATION	1.02	22.72	22.18	22.20	0.96	1.87	0.41	0.45
COEFF/VARIATION	31.49	50.24	51.59	51.19	64.06	14.81	36.14	25.64
TOP	0.0	0.0	0.0	0.0	0.33	0.30	3.00	1.00
BOT	0.0	0.0	0.0	0.0	0.0	0.15	0.0	0.0
VETA ONE	0.18	0.37	0.18	0.16	2.80	1.49	7.00	-0.70
VETA TWO	3.43	2.37	2.44	2.37	12.34	7.28	109.75	3.79
(N-20)-AVG EST	3.23	45.20	42.56	43.34	1.49	12.59	1.12	1.76
(N-20)-S.D. EST	1.03	23.04	22.48	22.50	0.94	1.82	0.35	0.45
PCT DIFF/MEANS	-0.	0.	0.	0.	2.	1.	3.	1.
PCT DIF/ST DVS	-2.	-1.	-1.	-1.	3.	3.	19.	0.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III
 STATISTICS FOR VARIABLES 169 THROUGH 176

	169	170	171	172	173	174	175	176
	GUESSED WEIGHT	GUESSED HEIGHT	HANOONE SS	BLOOD TY PE	RH FACTO R	YEARO ENT EREO AF	YEAR OF BIRTH	YEAR MEA SURED
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	95.0 2646	60.0 3472	1.0 1	1.0 23	1.0 31	358.0 1113	54.0 182	30.0 1
2ND SMALLEST	103.0 2850	61.0 3598	1.0 3	1.0 22	1.0 30	395.0 270	95.0 357	30.0 2
3RD SMALLEST	104.0 3452	61.0 2902	1.0 4	1.0 2	1.0 3	395.0 203	112.0 706	30.0 3
4TH SMALLEST	105.0 2742	62.0 2745	1.0 5	1.0 3	1.0 4	397.0 420	135.0 689	30.0 4
5TH SMALLEST	105.0 2690	62.0 2646	1.0 6	1.0 9	1.0 6	400.0 533	137.0 1035	30.0 5
6TH SMALLEST	105.0 2077	62.0 2237	1.0 7	1.0 10	1.0 7	402.0 489	146.0 1129	30.0 6
7TH SMALLEST	106.0 3470	62.0 1372	1.0 8	1.0 11	1.0 8	404.0 973	147.0 203	30.0 7
8TH SMALLEST	106.0 2674	62.0 1107	1.0 9	1.0 13	1.0 11	404.0 259	148.0 533	30.0 8
9TH SMALLEST	106.0 2513	62.0 1094	1.0 10	1.0 15	1.0 14	404.0 207	149.0 200	30.0 9
XTH SMALLEST	106.0 1391	62.0 1091	1.0 11	1.0 16	1.0 18	405.0 826	151.0 544	30.0 10

XTH LARGEST	235.0 187	77.0 774	3.0 19	4.0 12	2.0 5	656.0 3314	482.0 2299	66.0 3924
9TH LARGEST	235.0 721	77.0 1130	3.0 109	4.0 14	2.0 9	656.0 3315	483.0 1564	66.0 3925
8TH LARGEST	235.0 2564	77.0 1179	3.0 160	4.0 19	2.0 10	656.0 3316	483.0 1880	66.0 3926
7TH LARGEST	235.0 2889	77.0 1559	3.0 163	4.0 21	2.0 12	656.0 3317	483.0 3150	66.0 3927
6TH LARGEST	237.0 1300	77.0 1650	3.0 173	4.0 25	2.0 13	656.0 3318	484.0 1421	66.0 3928
5TH LARGEST	238.0 766	77.0 1671	3.0 204	4.0 26	2.0 15	656.0 3320	484.0 2799	66.0 3929
4TH LARGEST	240.0 1056	77.0 2017	3.0 232	4.0 36	2.0 16	656.0 3321	484.0 3066	66.0 3930
3RD LARGEST	240.0 1116	78.0 532	3.0 250	4.0 37	2.0 17	656.0 3322	484.0 3099	66.0 3931
2ND LARGEST	250.0 440	78.0 2551	3.0 316	4.0 40	2.0 19	656.0 3323	485.0 2353	66.0 3932
1ST LARGEST	250.0 969	79.0 766	3.0 379	4.0 41	2.0 21	656.0 3324	485.0 3146	66.0 3933
THE MEAN VALUE	157.78	69.71	1.14	2.32	1.48	626.20	429.67	50.21
STO. DEVIATION	23.49	2.68	0.40	1.08	0.50	56.66	63.70	9.56
COFF/VARIATION	14.89	3.85	35.17	46.59	33.83	9.05	14.82	19.04
TOP	0.12	0.13	0.0	0.0	0.0	0.0	0.01	0.0
BOT	0.09	0.13	0.0	0.0	0.0	0.19	0.29	0.0
VETA ONE	0.56	-0.07	3.04	0.57	0.10	-2.18	-2.00	-2.29
VETA TWO	3.22	2.94	11.97	2.00	1.01	6.93	6.67	1.99
(N-20)-AVG EST	157.71	69.71	1.13	2.32	1.48	626.72	430.31	50.22
(N-20)-S.D.EST	23.55	2.69	0.40	1.10	0.51	56.84	63.33	9.71
PCT DIFF/MEANS	0.	-0.	1.	0.	0.	-1.	-1.	-0.
PCT DIF/ST DVS	-0.	-0.	C.	-2.	-2.	-0.	1.	-2.
SIZE OF SAMPLE	3869	3869	3869	3869	3869	3869	3869	3869

09/09/76 ** AMRL OATA 8ANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL **

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER CN THE PRECEEDING PAGES UR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OEV	V-I	V-II	V	DELM	OELS	N	MINIMUM	MIN	MAX	AVG	---THE RANGE CARD VALUES---			CF1	CF2
															INTV1	INTV2	INTV3		
1	AGE	226.77	64.73	1.88	6.10	28.5(1	5.51	1.0	0.4	3867	175.0	167.5	595.0	227.0	15.00	10.00	0.10000	1.00000	
2	WEIGHT	156.49	23.92	0.61	3.33	15.3(1	5.51	0.4	-0.1	3869	94.0	92.5	269.0	156.0	10.00	5.00	0.45359	2.20462	
3	SKF SUBSCAPULAR	10.82	4.56	1.50	5.51	42.1(1	4.71	0.8	0.6	3869	3.0	2.5	39.0	11.0	2.00	1.00	0.10000	0.39370	
4	SKF TRICEPS	9.04	4.13	1.21	4.75	45.7(1	4.71	0.7	0.4	3869	1.0	0.5	33.0	9.0	2.00	1.00	0.10000	0.39370	
5	SKF JUXTA NIPPLE	5.82	2.60	1.81	9.19	44.7(1	4.71	1.3	3.4	3869	1.0	0.5	26.0	6.0	1.00	1.00	0.10000	0.39370	
6	SKF MAL XIPHOIO	9.40	5.60	1.33	4.27	59.6(1	5.51	0.7	-0.2	3869	2.0	1.5	34.0	9.0	2.00	1.00	0.10000	0.39370	
7	SKF SUPRA ILIAC	15.48	8.03	0.86	3.15	51.9(1	5.51	0.5	-0.7	3869	2.0	1.5	45.0	15.0	2.00	1.00	0.10000	0.39370	
8	SKF DORSAL HANO	2.54	0.66	0.75	3.23	26.0(1	5.51	0.4	0.0	3869	1.0	0.5	5.0	3.0	1.00	1.00	0.10000	0.39370	
9	GRIP STRENGTH	49.48	7.42	0.40	3.62	15.0(1	5.51	0.3	0.7	3869	25.0	23.5	87.0	49.0	3.00	2.00	1.00000	2.20462	
10	HEIGHT (STATURE)	1752.84	65.62	0.04	3.05	3.7(1	5.51	0.0	0.1	3869	1517.0	1507.5	5199.5	0.1753.0	20.00	10.00	0.10000	0.39370	
11	CERVICALE HEIGHT	1498.02	61.96	0.04	3.07	4.1(1	5.51	0.0	0.1	3869	1286.0	1277.5	5171.6	0.1498.0	15.00	10.00	0.10000	0.39370	
12	SHOULDER(ACRDM) HT	1433.05	61.40	0.08	2.99	4.3(1	5.51	0.0	-0.1	3869	1231.0	1227.5	5166.0	0.1433.0	15.00	10.00	0.10000	0.39370	
13	ELBOW (RACIALE) HT	1098.21	49.28	0.02	3.17	4.5(1	5.51	-0.1	0.3	3869	901.0	897.5	5127.8	0.1098.0	15.00	10.00	0.10000	0.39370	
14	WRIST (STYLIDN) HT	851.45	41.14	0.13	2.99	4.8(1	5.51	0.1	-0.2	3869	723.0	717.5	996.0	0.851.0	10.00	10.00	0.10000	0.39370	
15	OACTYLION HEIGHT	658.64	36.31	0.11	3.07	5.0(1	5.51	0.1	-0.1	3869	550.0	547.5	796.0	0.659.0	10.00	5.00	0.10000	0.39370	
16	SUPRATERNALE HT	1429.72	58.41	0.06	3.04	4.1(1	5.51	0.0	0.2	3869	1226.0	1217.5	5166.0	0.1430.0	15.00	10.00	0.10000	0.39370	
17	CHEST (NIPPLE) HT	1278.84	55.57	0.11	3.05	4.3(1	5.51	0.0	0.1	3869	1091.0	1087.5	5149.7	0.1279.0	15.00	10.00	0.10000	0.39370	
18	WAIST HEIGHT (CMP)	1053.26	52.48	0.05	3.10	5.0(1	5.51	0.1	0.1	3869	881.0	877.5	5125.1	0.1053.0	15.00	10.00	0.10000	0.39370	
19	ILIOCRISTALE	923.20	46.96	0.20	3.15	5.1(1	5.51	0.1	0.1	3869	772.0	767.5	5108.9	0.923.0	15.00	10.00	0.10000	0.39370	
20	TROCHANTERIC HT	830.19	44.64	0.16	3.14	5.4(1	5.51	0.1	0.3	3869	685.0	677.5	996.0	0.830.0	15.00	10.00	0.10000	0.39370	
21	TROTTCH HEIGHT	903.01	46.85	0.20	3.29	5.2(1	5.51	0.1	0.1	3869	740.0	737.5	5109.1	0.903.0	15.00	10.00	0.10000	0.39370	
22	CROTCH HEIGHT	806.45	43.49	0.22	3.20	5.4(1	5.51	0.2	0.2	3869	658.0	642.5	981.0	0.806.0	15.00	10.00	0.10000	0.39370	
23	GLUTEAL FURDWM HT	524.33	27.70	0.19	3.26	5.3(1	5.51	0.1	0.3	3869	426.0	422.5	636.0	0.524.0	10.00	5.00	0.10000	0.39370	
24	PATELLA TOP HEIGHT	466.89	26.79	0.24	3.28	5.7(1	5.51	0.2	0.3	3869	379.0	377.5	574.0	0.467.0	10.00	5.00	0.10000	0.39370	
25	PATELLA BOTDOM HT	362.18	23.74	0.18	3.11	6.6(1	5.51	0.4	0.0	3869	287.0	282.5	449.0	0.362.0	10.00	5.00	0.10000	0.39370	
26	CALF HEIGHT	122.20	15.07	0.73	3.29	12.2(1	5.51	0.4	-0.1	3869	85.0	83.5	191.0	122.0	5.00	3.00	0.10000	0.39370	
27	ANKLE HEIGHT	83.16	6.02	-0.03	3.28	7.2(1	5.51	0.0	0.4	3869	58.0	57.5	109.0	83.0	2.00	2.00	0.10000	0.39370	
28	MEO L MALLEOLUS HT	71.70	6.28	0.13	3.23	8.8(1	5.51	0.1	0.3	3869	45.0	43.5	99.0	72.0	2.00	2.00	0.10000	0.39370	
29	LAT L MALLEOLUS HT	66.44	6.28	0.13	3.23	8.8(1	5.51	0.1	0.3	3869	42.0	41.5	89.0	66.0	2.00	2.00	0.10000	0.39370	
30	SPHYRION HEIGHT	911.78	34.83	0.01	3.20	3.8(1	5.51	-0.0	0.2	3869	791.0	787.5	5104.5	0.912.0	10.00	10.00	0.10000	0.39370	
31	SITTING HEIGHT	797.34	33.09	0.07	3.19	4.2(1	5.51	0.0	0.3	3869	671.0	667.5	926.0	0.797.0	10.00	10.00	0.10000	0.39370	
32	EYE HEIGHT SITTING	632.36	29.47	0.02	3.03	4.7(1	5.51	0.1	-0.0	3869	538.0	537.5	745.0	0.632.0	10.00	5.00	0.10000	0.39370	
33	MID SHOULDER HT/S	236.84	27.68	0.03	3.08	11.7(1	5.51	0.0	0.0	3869	143.0	142.5	331.0	0.237.0	10.00	5.00	0.10000	0.39370	
34	ELBOW REST HT SIT	553.53	26.25	0.17	3.22	4.7(1	5.51	0.1	0.2	3869	460.0	457.5	655.0	0.554.0	10.00	5.00	0.10000	0.39370	
35	KNEE HEIGHT SIT	446.59	23.57	0.25	3.28	5.3(1	5.51	0.2	0.3	3869	367.0	362.5	541.0	0.447.0	10.00	5.00	0.10000	0.39370	
36	POPULTEAL HT/SIT	603.51	28.77	0.15	3.15	4.8(1	5.51	0.1	0.1	3869	491.0	487.5	708.0	0.604.0	10.00	5.00	0.10000	0.39370	
37	BUTTCK KNEE LNTH	494.96	26.56	0.18	3.25	5.4(1	5.51	0.1	0.2	3869	377.0	372.5	590.0	0.495.0	10.00	5.00	0.10000	0.39370	
38	BUTTCK PDP LENGTH	18.38	0.07	2.94	5.0(1	5.51	5.51	0.1	-0.2	3869	308.0	305.5	439.0	0.367.0	5.00	3.00	0.10000	0.39370	
39	SHOULDER-ELBOW LTH	288.16	14.81	0.20	3.18	5.1(1	5.51	0.2	0.2	3869	232.0	230.5	350.0	0.288.0	5.00	3.00	0.10000	0.39370	
40	ELBOW WRIST LENGTH	788.69	42.03	0.17	3.11	5.3(1	5.51	0.1	-0.0	3869	659.0	657.5	963.0	0.789.0	15.00	10.00	0.10000	0.39370	
41	FUNCTIONAL REACH	493.66	26.58	0.10	3.13	5.4(1	5.51	0.2	0.2	3869	410.0	407.5	605.0	0.494.0	10.00	5.00	0.10000	0.39370	
42	SLEEVE INSEAM	398.06	19.06	0.16	3.16	4.8(1	5.51	-0.1	0.0	3869	331.0	329.5	472.0	0.398.0	5.00	3.00	0.10000	0.39370	
43	BIACRDMIAL BREADTH	463.12	26.04	0.26	3.03	5.6(1	5.51	0.1	-0.2	3869	381.0	377.5	551.0	0.463.0	10.00	5.00	0.10000	0.39370	
44	8IOELTIO BREADTH	312.54	23.80	0.50	3.45	7.6(1	5.51	0.3	0.2	3869	247.0	242.5	439.0	0.313.0	10.00	5.00	0.10000	0.39370	
45	CHEST BREADTH/SKIN	283.42	22.76	0.37	3.07	8.0(1	5.51	0.3	-0.0	3869	221.0	217.5	382.0	0.283.0	10.00	5.00	0.10000	0.39370	
46	CHEST BREADTH/8ONE	292.78	28.04	0.65	3.22	9.6(1	5.51	0.4	-0.2	3869	226.0	222.5	400.0	0.293.0	10.00	5.00	0.10000	0.39370	
47	WAIST BRDTH (CMP)	293.40	27.94	0.69	3.35	9.5(1	5.51	0.4	-0.0	3869	226.0	222.5	406.0	0.293.0	10.00	5.00	0.10000	0.39370	
48	8I-ILLIUCRISTALE	340.84	21.34	0.49	3.41	6.3(1	5.51	0.3	0.1	3869	278.0	277.5	429.0	0.341.0	10.00	5.00	0.10000	0.39370	
49	HIP BREADTH	358.59	26.52	0.55	3.31	7.4(1	5.51	0.3	-0.0	3869	284.0	282.5	466.0	0.359.0	10.00	5.00	0.10000	0.39370	
50	HIP BREADTH SIT																		

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** AMRL DATA BANK LIBRARY - VOLUME III - 1965 SURVEY OF USAF PERSONNEL

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09/09/76

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO DEV	V-I	V-II	V	DELM	OELS	N	MINIMUM	---THE RANGE CARD VALUES---			CF1	CF2	
											MAX	AVG	INTV1			INTV2
51	BITROC-HANTERC/80NE	321.90	18.77	0.28	3.18	5.81	0.2	0.0	3869	262.0	260.5	398.0	322.0	5.00	0.10000	0.39370
52	ELBOW BREADTH	72.02	4.22	0.07	3.17	5.91	0.0	0.3	3869	56.0	55.5	88.0	72.0	2.00	0.10000	0.39370
53	MAX F ARM-F ARM 8R	482.57	46.95	0.37	2.92	9.71	0.2	-0.3	3869	336.0	327.5	651.0	483.0	15.00	0.10000	0.39370
54	WRIST BREADTH	57.35	3.29	0.04	2.98	5.71	0.0	-0.1	3869	45.0	44.5	69.0	57.0	1.00	0.10000	0.39370
55	KNEE BREADTH	96.02	4.90	0.30	3.30	5.11	0.2	0.3	3869	80.0	79.5	121.0	98.0	2.00	0.10000	0.39370
56	KNEE-KNEE 8R SIT	218.02	19.86	0.77	3.70	9.11	0.5	0.2	3869	172.0	170.5	306.0	218.0	5.00	0.10000	0.39370
57	CHEST DEPTH	225.32	23.05	0.45	3.14	10.21	0.2	-0.0	3869	152.0	147.5	323.0	225.0	10.00	0.10000	0.39370
58	MAIST DEPTH (OMP)	211.55	24.89	0.86	3.90	11.81	0.6	0.4	3869	153.0	152.5	330.0	211.0	10.00	0.10000	0.39370
59	ABDOMINAL DPTH/SIT	230.11	26.12	1.22	5.15	11.31	0.7	1.1	3869	175.0	172.5	382.0	230.0	10.00	0.10000	0.39370
60	BUTTOCK DEPTH	235.32	23.06	0.61	3.35	9.81	0.4	0.2	3869	179.0	177.5	350.0	235.0	10.00	0.10000	0.39370
61	THIGH CLEAR HT SIT	152.76	14.02	0.38	3.07	9.21	0.2	-0.2	3869	114.0	113.5	205.0	153.0	5.00	0.10000	0.39370
62	NECK CIRC MAXIMUM	368.38	21.63	0.44	3.30	5.91	0.3	0.2	3869	309.0	307.5	477.0	368.0	10.00	0.10000	0.39370
63	SHOULDER CIRC	1125.60	65.98	0.20	3.22	5.91	-0.0	0.4	3869	901.0	897.5	1385.0	1126.0	20.00	0.10000	0.39370
64	CHEST CIRCUMF ENCE	936.61	71.33	0.49	3.20	7.61	0.3	0.0	3869	702.0	687.5	1259.0	937.0	20.00	0.10000	0.39370
65	MAIST CIRC (OMPH)	800.30	82.46	0.76	3.28	10.31	0.4	-0.2	3869	624.0	612.5	1150.0	800.0	20.00	0.10000	0.39370
66	BUTTOCK CIRC	935.27	64.52	0.57	3.21	6.91	0.3	-0.1	3869	745.0	737.5	1214.0	935.0	20.00	0.10000	0.39370
67	BUTTOCK CIRC/SIT	1017.87	78.56	0.62	3.36	7.71	0.3	-0.1	3869	816.0	807.5	1365.0	1018.0	20.00	0.10000	0.39370
68	VERTICAL TRUNK CIR	1631.78	81.26	0.14	3.89	5.01	0.0	0.5	3869	1000.0	997.5	1944.0	1632.0	50.00	0.10000	0.39370
69	VERT TRUNK CIR SIT	1556.38	74.44	0.05	3.77	4.81	0.0	0.5	3869	1000.0	997.5	1828.0	1556.0	30.00	0.10000	0.39370
70	UPPER THIGH CIRC	549.34	50.55	0.44	3.01	9.21	0.3	-0.2	3869	412.0	407.5	764.0	549.0	15.00	0.10000	0.39370
71	THIGH CIRC SITTING	549.54	52.21	0.50	2.96	9.51	0.3	-0.4	3869	414.0	407.5	742.0	550.0	15.00	0.10000	0.39370
72	LOWER THIGH CIRC	415.35	36.06	0.47	3.27	8.71	0.3	-0.0	3869	310.0	307.5	584.0	415.0	10.00	0.10000	0.39370
73	KNEE CIRCUMFERENCE	376.79	22.40	0.51	3.54	5.91	0.3	0.4	3869	304.0	302.5	483.0	377.0	10.00	0.10000	0.39370
74	KNEE CIRC SITTING	383.48	23.77	0.56	3.57	6.21	0.4	0.4	3869	320.0	317.5	485.0	383.0	10.00	0.10000	0.39370
75	CALF CIRCUMFERENCE	363.65	26.32	0.33	3.25	7.21	0.3	0.2	3869	281.0	277.5	483.0	364.0	10.00	0.10000	0.39370
76	ANKLE CIRCUMF ENCE	226.19	13.97	0.31	3.23	6.21	0.2	-0.1	3869	178.0	176.5	284.0	226.0	5.00	0.10000	0.39370
77	SCYE CIRCUMFERENCE	426.78	26.58	0.27	3.06	6.21	0.2	0.0	3869	339.0	337.5	538.0	427.0	10.00	0.10000	0.39370
78	BICEPS CIRC EXT	278.96	26.81	0.33	2.65	9.61	0.2	-0.3	3869	203.0	202.5	380.0	279.0	10.00	0.10000	0.39370
79	BICEPS CIRC FLEXED	310.53	28.28	0.21	2.80	5.11	0.1	-0.3	3869	231.0	227.5	410.0	311.0	10.00	0.10000	0.39370
80	ELBOW CIRC EXT	261.08	16.57	0.18	2.98	6.31	0.1	-0.1	3869	202.0	200.5	323.0	261.0	5.00	0.10000	0.39370
81	ELBOW CIRC FLEXED	310.21	20.68	0.20	3.09	6.71	0.2	-0.1	3869	246.0	245.5	395.0	310.0	5.00	0.10000	0.39370
82	FOREARM CIRC EXT	269.30	17.20	0.21	2.88	6.41	0.1	-0.2	3869	221.0	218.5	334.0	269.0	5.00	0.10000	0.39370
83	FOREARM CIRC FLEXED	288.15	19.84	0.14	2.83	6.91	0.2	-0.3	3869	233.0	230.5	362.0	289.0	5.00	0.10000	0.39370
84	WRIST CIRCUMF ENCE	171.71	8.47	0.21	3.21	4.91	0.2	0.1	3869	141.0	139.5	204.0	172.0	3.00	0.10000	0.39370
85	SL SPINE/SCYE	235.47	16.97	0.19	3.23	7.21	0.1	0.1	3869	177.0	176.5	302.0	235.0	5.00	0.10000	0.39370
86	SL SPINE-ELBOW	587.81	27.23	0.02	3.08	4.61	-0.1	0.2	3869	485.0	482.5	695.0	588.0	10.00	0.10000	0.39370
87	SL SPINE-WRIST	882.03	37.96	0.03	3.01	4.31	-0.0	0.0	3869	742.0	737.5	1007.0	882.0	10.00	0.10000	0.39370
88	ANTERIOR NECK LGTH	94.42	14.56	0.09	3.06	15.41	0.1	0.0	3869	45.0	44.5	155.0	94.0	5.00	0.10000	0.39370
89	POSTERIOR NECK LTH	100.44	14.73	0.20	3.03	14.71	0.1	-0.2	3869	52.0	50.5	152.0	100.0	5.00	0.10000	0.39370
90	SHOULDER LENGTH	176.68	15.62	0.12	2.87	8.91	-0.0	-0.1	3869	120.0	119.5	231.0	175.0	5.00	0.10000	0.39370
91	DELTOID ARC	156.31	12.17	0.25	3.25	7.81	0.2	0.3	3869	118.0	117.5	212.0	156.0	5.00	0.10000	0.39370
92	INTERSCYE	376.16	29.60	0.22	3.08	7.91	0.1	-0.1	3869	275.0	272.5	490.0	376.0	10.00	0.10000	0.39370
93	INTERSCYE MAXIMUM	529.32	35.29	0.15	2.93	6.71	0.1	-0.3	3869	426.0	422.5	644.0	529.0	10.00	0.10000	0.39370
94	MAIST FRONT	387.86	23.42	0.38	3.45	6.01	0.2	0.4	3869	307.0	302.5	682.0	388.0	10.00	0.10000	0.39370
95	CROTCH LENGTH	674.43	45.97	0.43	3.27	6.81	0.3	0.1	3869	535.0	527.5	874.0	674.0	15.00	0.10000	0.39370
96	MAIST BACK	460.19	27.53	0.72	3.04	6.01	-0.0	0.1	3869	351.0	347.5	558.0	460.0	10.00	0.10000	0.39370
97	FOOT LENGTH	267.89	12.74	0.08	3.13	4.81	0.1	0.2	3869	226.0	225.5	317.0	268.0	5.00	0.10000	0.39370
98	BALL-OF-FOOT LENGTH	194.45	9.84	0.09	3.12	5.11	0.1	-0.2	3869	161.0	159.5	236.0	194.0	3.00	0.10000	0.39370
99	BALL-OF-FOOT BROTH	98.23	5.42	0.14	3.00	5.51	0.1	-0.1	3869	80.0	79.5	120.0	98.0	2.00	0.10000	0.39370
100	81-MALLEOLAR BRDTH	74.47	3.98	0.15	3.06	5.31	0.1	-0.0	3869	61.0	60.5	89.0	74.0	1.00	0.10000	0.39370

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER CN THE PRECEEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OEV	V-I	V-II	V	OELM	OELS	N	MINIMUM	MIN	---THE RANGE CARO VALUES---			CF1	CF2
													INTV1	INTV2	INTV3		
101	BALL-OF-FOOT GIRTH	252.90	12.60	0.16	3.02	5.01	0.1	-0.1	3869	207.0	205.5	301.0	253.0	5.00	2.00	0.10000	0.39370
102	INSTEP CIRCUMF NCE	272.05	13.73	0.23	3.22	5.01	0.2	0.1	3469	229.0	227.5	324.0	272.0	5.00	2.00	0.10000	0.39370
103	HEEL-ANKLE CIRCUMF	341.64	15.55	0.15	3.05	4.61	0.1	0.0	3409	289.0	287.5	339.0	342.0	5.00	3.00	0.10000	0.39370
104	HANO LENGTH	196.50	9.82	0.14	3.20	5.01	0.1	0.2	3869	161.0	159.5	237.0	197.0	3.00	2.00	0.10000	0.39370
105	PALM LENGTH	114.88	6.70	0.03	3.09	5.81	0.1	0.1	3869	89.0	88.5	138.0	115.0	2.00	1.00	0.10000	0.39370
106	HAND BREAOTH/META	88.69	4.73	0.03	2.94	5.31	0.1	-0.1	3869	74.0	73.5	105.0	89.0	2.00	1.00	0.10000	0.39370
107	HAND CIRC/META	214.92	10.26	0.07	3.04	4.81	0.0	0.1	3869	172.0	171.5	255.0	215.0	3.00	2.00	0.10000	0.39370
108	HANO CIRC/THUMB	252.34	12.38	0.05	2.93	4.91	0.0	-0.3	3869	214.0	213.5	293.0	252.0	3.00	2.00	0.10000	0.39370
109	THICKNESS META/III	29.70	2.11	0.09	2.93	7.11	0.0	0.1	3869	21.0	20.5	38.0	30.0	1.00	1.00	0.10000	0.39370
110	FINGER OIAM III	13.70	0.79	0.10	2.80	5.81	0.2	-0.8	3869	12.0	11.5	16.0	14.0	1.00	1.00	0.15875	0.39370
111	HEAO CIRCUMFERENCE	562.59	16.51	0.10	2.97	2.91	0.1	-0.3	3869	505.0	503.5	618.0	563.0	5.00	3.00	0.10000	0.39370
112	SAGITTAL ARC	378.46	15.28	0.18	3.05	4.01	0.2	-0.2	3869	337.0	335.5	431.0	378.0	5.00	2.00	0.10000	0.39370
113	MINIMUM FRONTL ARC	119.70	8.85	0.38	3.07	7.41	0.2	-0.2	3869	95.0	93.5	154.0	120.0	3.00	2.00	0.10000	0.39370
114	BIT-CORONAL ARC	350.79	13.94	0.12	3.14	4.01	0.2	0.1	3869	305.0	302.5	405.0	351.0	5.00	3.00	0.10000	0.39370
115	BIT-MIN FRONTAL A	304.77	11.09	0.11	3.06	3.61	0.1	-0.0	3869	270.0	269.5	348.0	305.0	3.00	2.00	0.10000	0.39370
116	BIT-SUBNASALE ARC	287.00	11.69	0.20	3.07	4.11	0.1	-0.0	3869	245.0	243.5	330.0	287.0	3.00	2.00	0.10000	0.39370
117	BIT-MENTON ARC	314.07	14.40	0.09	2.87	4.61	0.0	-0.3	3869	265.0	263.5	363.0	314.0	5.00	2.00	0.10000	0.39370
118	BIT-SUBMANOIB ARC	292.93	16.73	0.27	2.99	5.71	0.2	-0.0	3869	240.0	239.5	363.0	293.0	5.00	3.00	0.10000	0.39370
119	BIT-POSTERIOR ARC	254.93	13.89	0.19	2.94	5.41	0.1	-0.1	3869	210.0	209.5	305.0	255.0	5.00	3.00	0.10000	0.39370
120	HEAO LENGTH	196.23	7.20	-0.01	2.52	3.71	-0.0	-0.1	3869	171.0	169.5	222.0	196.0	2.00	1.00	0.10000	0.39370
121	MAX HEAO OIAG/MENT	251.49	8.59	0.06	2.98	3.41	0.0	0.0	3869	223.0	221.5	282.0	251.0	3.00	2.00	0.10000	0.39370
122	MAX HEAO OIAG/NUCH	194.56	8.00	0.15	2.86	4.11	0.1	-0.3	3869	171.0	169.5	223.0	195.0	2.00	1.00	0.10000	0.39370
123	EAR LENGTH	63.59	4.60	0.12	3.08	7.31	0.1	-0.0	3869	47.0	46.5	80.0	63.0	2.00	1.00	0.10000	0.39370
124	EAR LGTH ABOVE TRG	28.68	3.02	-0.01	3.14	10.51	-0.0	0.5	3869	16.0	15.5	41.0	29.0	1.00	1.00	0.10000	0.39370
125	EAR BREAOTH	35.22	3.31	-0.13	3.34	9.41	-0.2	0.4	3869	22.0	21.5	50.0	35.0	1.00	1.00	0.10000	0.39370
126	EAR PROTRUSION	21.14	3.67	0.21	3.03	17.41	0.1	0.1	3869	10.0	9.5	36.0	21.0	1.00	1.00	0.10000	0.39370
127	HEAO BREAOTH	153.11	5.78	0.12	2.96	3.81	0.1	-0.1	3869	135.0	134.5	174.0	153.0	2.00	1.00	0.10000	0.39370
128	BIT-AURICULAR OIAM	184.29	9.25	-0.08	2.96	5.01	-0.0	-0.2	3869	154.0	153.5	218.0	184.0	3.00	2.00	0.10000	0.39370
129	BITRAGON OIAMETER	138.50	6.48	0.10	2.98	4.71	0.1	-0.1	3869	119.0	118.5	162.0	139.0	2.00	1.00	0.10000	0.39370
130	BITZYGOMATIC OIAM	139.90	5.64	0.04	2.90	4.01	-0.0	-0.1	3869	120.0	119.5	160.0	140.0	2.00	1.00	0.10000	0.39370
131	MAX FRONTAL OIAM	114.63	4.80	0.02	3.04	4.21	0.0	0.1	3869	97.0	96.5	132.0	115.0	2.00	1.00	0.10000	0.39370
132	BIGONIAL OIAMETER	107.19	5.43	0.15	2.98	5.11	0.1	-0.2	3869	88.0	87.5	126.0	107.0	2.00	1.00	0.10000	0.39370
133	BIGOCULAR OIAMETER	94.18	5.29	0.09	2.91	5.61	0.0	-0.2	3869	76.0	75.5	113.0	94.0	2.00	1.00	0.10000	0.39370
134	INTERPUPILLARY OST	62.30	3.94	0.10	2.85	6.31	0.1	-0.2	3869	49.0	48.5	77.0	62.0	1.00	1.00	0.10000	0.39370
135	INTEROCULAR OIAM	31.51	2.79	0.27	3.04	8.91	0.1	-0.1	3869	23.0	22.5	42.0	32.0	1.00	1.00	0.10000	0.39370
136	NASAL ROOT BREAOTH	18.27	2.62	0.30	3.26	14.31	0.3	0.3	3869	11.0	10.5	30.0	18.0	1.00	1.00	0.10000	0.39370
137	NASAL BREAOTH	34.19	3.82	0.89	4.15	11.21	0.3	0.3	3869	22.0	21.5	50.0	34.0	1.00	1.00	0.10000	0.39370
138	NOSE PROTRUSION	23.45	3.01	0.06	2.95	12.81	0.1	-0.0	3869	13.0	12.5	34.0	23.0	1.00	1.00	0.10000	0.39370
139	PHILTRUM LENGTH	14.73	2.61	0.17	3.05	17.71	0.1	-0.1	3869	7.0	6.5	24.0	15.0	1.00	1.00	0.10000	0.39370
140	LIP-LIP OI DISTANCE	18.58	4.04	0.65	3.89	21.71	0.1	0.2	3869	6.0	5.5	35.0	19.0	1.00	1.00	0.10000	0.39370
141	LIP LENGTH	48.70	4.43	0.08	3.00	9.11	0.1	-0.1	3869	35.0	34.5	66.0	49.0	2.00	1.00	0.10000	0.39370
142	LIP LENGTH SMILING	56.91	6.48	0.38	3.20	11.41	0.3	0.0	3869	39.0	38.5	81.0	57.0	2.00	1.00	0.10000	0.39370
143	MENTON-SUBNASALE L	70.05	6.13	0.16	3.18	8.71	0.1	0.1	3869	49.0	48.5	95.0	70.0	2.00	1.00	0.10000	0.39370
144	MENTON-NASAL RT OP	119.19	6.81	0.10	3.06	5.71	0.1	0.1	3869	95.0	93.5	145.0	119.0	2.00	2.00	0.10000	0.39370
145	SUBNAS-NAS RT OPTH	50.97	3.66	0.07	3.19	7.21	0.1	0.1	3869	37.0	36.5	66.0	51.0	1.00	1.00	0.10000	0.39370
146	VERTEX-GLABELLA HT	92.07	8.07	-0.10	3.16	8.81	-0.1	0.2	3869	55.0	53.5	119.0	92.0	3.00	2.00	0.10000	0.39370
147	VERTEX-NASAL RT OP	108.40	7.78	-0.05	3.20	7.21	-0.1	0.2	3869	73.0	71.5	135.0	108.0	3.00	2.00	0.10000	0.39370
148	VERTEX-EXT CANT HT	115.94	6.72	-0.07	3.20	5.81	-0.1	0.2	3869	89.0	87.5	140.0	116.0	3.00	2.00	0.10000	0.39370
149	VERTEX-PRONASALE H	148.30	8.67	-0.06	3.12	5.81	-0.1	0.1	3869	115.0	113.5	181.0	148.0	3.00	2.00	0.10000	0.39370
150	VERTEX-STOMION HT	182.31	8.41	-0.04	3.16	4.61	-0.1	0.1	3869	149.0	147.5	211.0	182.0	3.00	2.00	0.10000	0.39370

TABLE 8 (continued)

XVAL PRINTOUTS, VOLUME III

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEEDING PAGES OR ON THE PUNCHED RANGE CAROS

NO. VARIABLE NAME	MEAN	STD	DEV	V-I	V-II	V	OELM	OELS	N	MINIMUM	MIN	--THE RANGE CARO VALUES--			CF1	CF2
												INTV1	INTV2	INTV3		
151 VERTEX-MENTON HT	226.66	9.74	-0.02	3.10	4.31	-0.1	0.2	3869	193.0	191.5	265.0	227.0	2.00	0.10000	0.39370	
152 VERTEX-TRACION HT	131.79	6.16	-0.01	3.20	4.71	-0.0	0.2	3869	108.0	107.5	153.0	132.0	2.00	0.10000	0.39370	
153 WALL-GLABELLA OIST	198.25	7.14	0.05	2.95	3.61	0.0	-0.0	3869	171.0	169.5	225.0	198.0	2.00	0.10000	0.39370	
154 WALL-NAS RT OEP OT	196.01	7.04	0.04	3.02	3.61	0.0	0.1	3869	170.0	169.5	222.0	196.0	2.00	0.10000	0.39370	
155 WALL-EX CANT OIST	172.15	7.40	0.01	3.01	4.31	0.0	-0.1	3869	148.0	147.5	197.0	172.0	2.00	0.10000	0.39370	
156 WALL-PROMASALE OST	219.84	8.22	0.01	3.01	3.71	-0.0	-0.0	3869	190.0	189.5	249.0	220.0	2.00	0.10000	0.39370	
157 WALL-STOMION OIST	205.51	9.06	0.12	3.04	4.41	0.1	0.1	3869	176.0	175.5	240.0	206.0	3.00	0.10000	0.39370	
158 WALL-MENTON OIST	187.63	11.91	0.11	3.01	6.31	0.1	-0.1	3869	144.0	143.5	235.0	188.0	5.00	0.10000	0.39370	
159 WALL-TRACION OIST	96.26	6.78	0.06	3.19	7.01	0.1	0.3	3869	74.0	73.5	122.0	96.0	2.00	0.10000	0.39370	
160 RANK	13.19	3.88	1.63	4.11	29.41	0.6	-1.2	3869	11.0	10.5	29.0	13.0	1.00	1.00000	1.00000	
161 AERO/RATING	3.22	1.02	0.18	3.43	31.51	-0.1	-1.5	3869	1.0	0.5	5.0	3.0	1.00	1.00000	1.00000	
162 BIRTHPLACE SUBJECT	45.21	22.72	0.37	2.37	50.21	0.1	-1.4	3869	1.0	-0.5	95.0	45.0	5.00	1.00000	1.00000	
163 BIRTHPLACE FATHER	42.99	22.18	0.18	2.44	51.61	0.1	-1.4	3869	1.0	-0.5	95.0	43.0	5.00	1.00000	1.00000	
164 BIRTHPLACE MOTHER	43.37	22.20	0.16	2.37	51.21	0.1	-1.4	3869	1.0	-0.5	95.0	43.0	5.00	1.00000	1.00000	
165 RELIGION	1.50	0.96	2.80	12.34	64.11	1.5	2.9	3869	1.0	0.5	9.0	2.0	1.00	1.00000	1.00000	
166 EDUCATION	12.61	1.87	1.49	7.28	14.81	0.7	2.8	3869	6.0	5.5	26.0	13.0	1.00	1.00000	1.00000	
167 RACE	1.13	0.41	7.00	****	36.11	2.7	18.6	3869	1.0	0.5	9.0	1.0	1.00	1.00000	1.00000	
168 MARITAL STATUS	1.77	0.45	-0.70	3.79	25.61	0.6	0.3	3869	1.0	0.5	5.0	2.0	1.00	1.00000	1.00000	
169 GUESSEO WEIGHT	157.78	23.49	0.56	3.22	14.91	0.3	-0.3	3869	95.0	92.5	250.0	158.0	10.00	5.00	0.45359	2.20462
170 GUESSEO HEIGHT	69.71	2.68	-0.07	2.94	3.81	-0.0	-0.2	3869	60.0	59.5	79.0	70.0	1.00	1.00	2.54000	0.39370
171 HANDEONNESS	1.14	0.40	3.04	11.97	35.21	1.1	0.4	3869	1.0	0.5	3.0	1.0	1.00	1.00000	1.00000	
172 BLOOD TYPE	2.32	1.08	0.57	2.00	46.61	0.1	-2.0	3869	1.0	0.5	4.0	2.0	1.00	1.00000	1.00000	
173 RH FACTOR	1.48	0.50	0.10	1.01	33.81	0.0	-2.3	3869	1.0	0.5	2.0	1.0	1.00	1.00000	1.00000	
174 YEAR ENTERED AF	626.20	56.66	-2.18	6.93	9.01	-0.9	-0.3	3869	358.0	357.5	656.0	626.0	10.00	0.10000	1.00000	
175 YEAR OF BIRTH	429.67	63.70	-2.00	6.67	14.81	-1.0	-0.6	3869	54.0	47.5	485.0	430.0	15.00	0.10000	1.00000	
176 YEAR MEASURED	50.21	9.56	-0.29	1.99	19.01	-0.1	-1.6	3869	30.0	29.5	66.0	50.0	2.00	1.00	0.01000	1.00000

Section VIII

VOLUME IV--THE 1950 SURVEY OF USAF FLYING PERSONNEL

The survey of U. S. Air Force flying personnel conducted during the spring and summer of 1950 constituted the first major anthropometric survey made 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, at 14 bases in Massachusetts, Michigan, Colorado, Washington, California, Texas, and Louisiana.

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 by Hertzberg, Daniels, and Churchill.⁵ 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 analyses reported in the survey report were done prior to the availability of modern computer facilities. The data have since been "modernized." While almost all measurements had been made to the nearest millimeter, the millimeter figures were, in general, 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 when bitragion-crinion arc was missing and vice-versa, and subjecting the data to a thorough editing. The data included in Volume IV constitute the modernized data and the correlations in Volume V are based on these values.

The survey sample consisted of 99% Whites and 1% Blacks. Sixty-one percent were officers (10% 2nd lieutenants, 30% 1st 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 of the sample 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.

⁵WADC TR 52-321, Wright Air Development Center, Wright-Patterson Air Force Base, Ohio, 1954.

*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.

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 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; 44% completed their 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.

The metric data are complete except for five variables: substernale height (#10), penale height (#13), and first phalanx-III length (#88), which were introduced in the survey after one-fourth of the sample was measured, and menton-crinion length (#109) and bitragion-crinion arc (#127) which were not measured on bald and balding men. Non-metric variables on the tape include somatotype ratings, both by the Sheldon method (N ~3888) and Hooton's method (N ~485) (variables #134-146), rank (#147), aero rating (#148), birthplaces by region (#149-151) and by state (#159-161), religion (#152), education (#153), marital status (#154), hair color (#155), hair form (#156), skin color (#157), and body hair quantity (#158). An analysis of the somatotype material was published as A Statistical Comparison of the Body Typing Methods of Hooton and Sheldon by C. W. Dupertuis and Irvin Emanuel.⁶ The data on hair and skin characteristics have never been published; the coding for these items given in Table 9 is as precise as is available.

The format for reading the data, as given in record 282, is:

(I4,19F4.0/8F3.0,8F4.0,8F3.0/2(8F4.0,16F3.0,1),(26F3.0))

Seven records are used per subject; thus the tape contains 28,289 card images.

The XVAL printout for these data constitutes Table 10.

⁶WADC TR 56-366, Wright Air Development Center, Wright-Patterson Air Force Base, Ohio, 1956.

TABLE 9

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0001.. ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **
 REC 0002.. (7H ,14,7H ,14,7H ,14,7H ,14,7H ,14,7H ,14,7H ,14)
 REC 0003.. NSRVY=0004 NVO = 133 NVT = 161 NSB = 4000 NLS = 114 NCATE=76D9
 REC 0004.. (14,2X,2A9,3F8.2,2F6.2,2F10.7)
 REC 0005.. (14,2X,3A6,3F8.2,2F6.2,2F10.7)
 REC 0006.. (14,2X,4A4,A2,3F8.2,2F6.2,2F10.7)
 REC 0007.. THE USAF'S FIRST MAJOR ANTHROPCMETRIC SURVEY WAS CONDUCTED DURING THE SPRING AN
 REC 0008.. D SUMMER OF 1950. IT WAS ORGANIZED AND DIRECTED BY H.T.E. HERTZBERG AND GILBERT
 REC 0009.. DANIELS AND REPORTED CN IN ANTHROPCMETRY OF FLYING PERSONNEL-1950 WAOC TR 52-32
 REC 0010.. 1 BY HERTZBERG, DANIELS, & CHURCHILL(AD-47-953). THE SURVEY WAS CARRIED OUT AT
 REC 0011.. 14 BASES IN MASS., MICH., COLORADO, WASHINGTON, CALIFORNIA, TEXAS, AND LOUISIAN
 REC 0012.. A. THE MEASURING TEAM CONSISTED OF ANTIOCH COLLEGE STUDENTS TRAINED BY HERTZBE
 REC 0013.. RG AND DANIELS. THE ORIGINAL STATISTICAL ANALYSES WERE THE INITIAL ACTIVITY OF
 REC 0014.. THE ANTHROPOLOGY RESEARCH PROJECT. THE RESULTS REPORTED IN TR 52-321 WERE CARRI
 REC 0015.. ED OUT PRIOR TO THE AVAILABILITY OF MODERN COMPUTER FACILITIES, SINCE PUBLICATI
 REC 0016.. ON OF THAT REPORT THE DATA HAVE BEEN MODERNIZED. MILLIMETER FIGURES FOR MOST VA
 REC 0017.. RIABLES ORIGINALLY RECORDED BUT NOT PUNCHED WERE INCORPORATED INTO THE DATA, SO
 REC 0018.. ME 63 OF THE ORIGINAL 4063 SUBJECTS WITH MEASURING BODY SIZE VALUES HAVE BEEN O
 REC 0019.. ELETED AND THE DATA THOROUGHLY ECITED.
 REC 0020.. THIS TAPE INCLUDES DATA FOR 4000 SUBJECTS AND 161 VARIABLES. VARIABLES 1-132 AR
 REC 0021.. E BODY SIZE VALUES, 133 IS AGE, 134-146 ARE SCMATCTYPE RATINGS (THOSE LISTED AS
 REC 0022.. SCMATCTYPE ARE RATINGS OCNE BY DUPERTUIS USING SHELDON'S METHOD)-SEE DUPERTUIS,
 REC 0023.. C.W., AND IRVIN EMANUEL A STATISTICAL COMPARISON OF THE BODY TYPING METHODS OF
 REC 0024.. HOOTON AND SHELDON, WADC TR 56-366(AO-97-205).
 REC 0025.. DATA RECORDS ARE COMPLETE FOR ALL ANTHROPCMETRY EXCEPT =109 AND =127-HAIRLINE M
 REC 0026.. EASUREMENTS FOR WHICH N IS 3437, AND =10, =19, AND =88 WHICH WERE NOT MEASURED
 REC 0027.. IN THE FIRST 1092 SUBJECTS. N FOR SHELDON SOMATYPES IS 3888. FOR THE HOOTON S
 REC 0028.. OMATCTYPE VALUES, N=485,485,485,131,434, AND 459.
 REC 0029.. SUBJECT NOS ARE 1-4075 EXCLUDING 234,241,265,405,408,413,417,419,424,428-429,43
 REC 0030.. 3,443,468-469,555,611,661,763-764,794,800,881,935,971,975,1012,1055,1075,1091,1
 REC 0031.. 111,1139,1142,1232,1237,1244,1293,1335,1343,1350,1367,1371,1398,1459,1463-1464,
 REC 0032.. 1471,1481,1508,1521,1539,1549,1682,1704,1839,1844,1960,2270,2367,2690,2818,3112
 REC 0033.. ,3132,3163,3376,3384,3410,3566,3660,3733,3853,3956,4009,4016,4026. ANTHROPCMETR
 REC 0034.. IC DATA ARE IN MILLIMETERS EXCEPT WEIGHT WHICH IS IN POUNOS. AGE AS REPORTED BY
 REC 0035.. SUBJECTS HAD 0.5 YEARS ADDED AND IS RECORDED IN TENTHS OF YEARS. THE ORIGINAL U
 REC 0036.. NIT OF MEASUREMENT FOR =89 WAS 1/16 INCHES (=1.59 MIN.).
 REC 0037.. CODES FOR VARIABLES 147-161 ARE
 REC 0038.. A-VARIABLE 147 RANK N=3998
 REC 0039.. 11 PRIVATE 17 MASTER SERGEANT 24 FIRST LIEUTENANT
 REC 0040.. 12 PRIVATE FIRST CLASS 18 AVIATION CADET 25 CAPTAIN
 REC 0041.. 13 CORPORAL 21 WARRANT OFFICER 27 MAJOR
 REC 0042.. 14 SERGEANT 22 CHIEF WARRANT CFC. 28 LT. COLONEL
 REC 0043.. 15 STAFF SERGEANT 23 SECOND LIEUTENANT 29 COLONEL
 REC 0044.. 16 TECHNICAL SERGEANT
 REC 0045.. B-VARIABLE 148 AERCRATING N=3977
 REC 0046.. 11 PILOT, MULTI-ENGINE 17 NAVIGATOR 25 FLIGHT MAIN. TECH.
 REC 0047.. 12 PILOT, FIGHTER 18 EDGEARDIER 27 RADIO OPERATOR
 REC 0048.. 13 PILOT, STUDENT 21 RADAR OBSERVER 28 PILOT, NAVIGATOR
 REC 0049.. 14 BOMB., NAV., RALAR 22 FLIGHT ENGINEER 29 BOMB., STUDENT PILOT
 REC 0050.. 15 BOMB., NAV. 23 GUNNER 32 ATTENOANT & STEWARO
 REC 0051.. 16 OBSERVER 24 PHCTOGRAPHER
 REC 0052.. C-VARIABLES 149-151 BIRTHPLACE (USA ONLY) N'S=3922,3354,3398
 REC 0053.. 1 NEW ENGLAND 4 EAST NCRTH CENTRAL 7 WEST SOUTH CENTRAL
 REC 0054.. 2 MID-ATLANTIC 5 EAST SOUTH CENTRAL 8 MOUNTAIN
 REC 0055.. 3 SOUTH ATLANTIC 6 WEST NORTH CENTRAL 9 PACIFIC
 REC 0056.. D-VARIABLE 152 RELIGION N=4000
 REC 0057.. 1 PROTESTANT 2 CATHCLIC 3 JEWISH 4 OTHER
 REC 0058.. E-VARIABLE 153 EDUCATION N=3998
 REC 0059.. 1 READ AND WRITE 4 COLLEGE (COMPLETED) 7 1 YEAR COLLEGE
 REC 0060.. 2 GRADE SCHOOL 5 SPECIAL TRAINING 8 2 YEARS COLLEGE

TABLE 9 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0061..	3 HIGH SCHOOL	6 PROFESSIONAL	9 3 YEARS COLLEGE
REC 0062..	F-VARIABLE 154 MARITAL STATUS N=4000		
REC 0063..	1 SINGLE	2 MARRIED	3 DIVORCED OR SEPARATED 4 WIDOWER
REC 0064..	G-VARIABLE 155 HAIR COLOR N=3957		
REC 0065..	1 BLACK	6 ASH BROWN	10 WHITE
REC 0066..	2 DARK BROWN	7 GOLDEN BROWN	11 GRAY
REC 0067..	3 BROWN	8 ASH	12 GRAYING
REC 0068..	4 RED BROWN	9 RED	13 BROWN, GRAYING
REC 0069..	5 GOLD BROWN		16 ASH BROWN, GRAYING
REC 0070..	H-VARIABLE 156 HAIR FORM N=3953		
REC 0071..	1 STRAIGHT	2 LOW WAVE	3 DEEP WAVE 4 CURLY 5 FRIZZLY
REC 0072..	I-VARIABLE 157 SKIN COLOR N=3953		
REC 0073..	1 PALE	4 BRUNET	7 DARK BROWN
REC 0074..	2 MEDIUM PINK	5 SWARTHY	8 BLACK
REC 0075..	3 RUDDY	6 YELLOW BROWN	
REC 0076..	J-VARIABLE 158 BODY HAIR QUANTITY N=3944		
REC 0077..	1 ABSENT	2 SMALL AMOUNT	3 + 4 ++ 5 +++
REC 0078..	K-VARIABLES 159-161 BIRTHPLACES N'S=3997,3960,3963		
REC 0079..	1 ALASKA	82 ICAHO	210 FINLAND
REC 0080..	2 HAWAII	83 WYCMING	211 FRANCE
REC 0081..	11 MAINE	84 COLORADO	212 GALICIA
REC 0082..	12 NEW HAMPSHIRE	85 UTAH	213 GERMANY
REC 0083..	13 VERMONT	86 NEVADA	214 GREECE
REC 0084..	14 MASSACHUSETTS	87 ARIZONA	215 HUNGARY
REC 0085..	15 RHODE ISLAND	88 NEW MEXICO	216 IRELAND
REC 0086..	16 CONNECTICUT	91 CALIFORNIA	217 ITALY
REC 0087..	21 NEW YORK	92 OREGON	218 LATVIA
REC 0088..	22 NEW JERSEY	93 WASHINGTON	219 LITHUANIA
REC 0089..	23 PENNSYLVANIA	100 USA (UNSPECIFIED)	220 LUXEMBOURG
REC 0090..	31 DELAWARE	101 GUAM	221 MALTA
REC 0091..	32 MARYLAND	102 PUERTO RICO	222 NETHERLANDS
REC 0092..	33 DIST. OF COLUMBIA	103 VIRGIN ISLANDS	224 NORWAY
REC 0093..	34 VIRGINIA	104 INDIAN TERRITORY	225 ODESSA
REC 0094..	35 WEST VIRGINIA	121 MEXICO	226 POLAND
REC 0095..	36 NORTH CAROLINA	122 CUBA	227 RUMANIA
REC 0096..	37 SOUTH CAROLINA	123 GUATAMALA	228 RUSSIA
REC 0097..	38 GEORGIA	124 HONDURAS	229 SCOTLAND
REC 0098..	39 FLORIDA	125 SAN SALVADOR	230 SERBIA
REC 0099..	41 OHIO	126 COSTA RICA	231 SICILY
REC 0100..	42 INDIANA	127 NICARAGUA	232 SPAIN
REC 0101..	43 ILLINOIS	128 PANAMA	233 SWEDEN
REC 0102..	44 MICHIGAN	129 DOMINICAN REPUBLIC	234 SWITZERLAND
REC 0103..	45 WISCONSIN	141 CANADA	235 TURKEY
REC 0104..	51 KENTUCKY	142 BAHAMAS	236 WALES
REC 0105..	52 TENNESSEE	143 BRITISH HONDURAS	237 YUGOSLAVIA
REC 0106..	53 MISSISSIPPI	144 BERMUDA	238 UNITED KINGDOM
REC 0107..	54 ALABAMA	161 ARGENTINA	300 ASIA (UNSPECIFIED)
REC 0108..	61 MINNESOTA	162 BRAZIL	301 INDIA
REC 0109..	62 IOWA	163 CHILE	302 IRAN
REC 0110..	63 MISSOURI	200 EUROPE (UNSPEC.)	303 PHILIPPINES
REC 0111..	64 NORTH DAKOTA	201 AUSTRIA	304 SYRIA
REC 0112..	65 SOUTH DAKOTA	202 AUSTRIA-HUNGARY	305 ARMENIA
REC 0113..	66 NEBRASKA	203 THE BALKANS	306 CHINA
REC 0114..	67 KANSAS	204 BELGIUM	400 AFRICA
REC 0115..	71 ARKANSAS	205 Bessarabia	501 NETHERLAND INDIES
REC 0116..	72 LOUISIANA	206 BOHEMIA	502 SABA
REC 0117..	73 OKLAHOMA	207 CZECHOSLOVAKIA	503 AUSTRALIA
REC 0118..	74 TEXAS	208 DENMARK	601 AZORES
REC 0119..	81 MONTANA	209 ENGLAND	
REC 0120..	** AMRL DATA BANK LIBRARY	- VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL	**

TABLE 9 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0121..	1	WEIGHT	109750	265000	163400	8000	5000	453592	22046223
REC 0122..	2	HEIGHT (STATURE)	151750	197500	175600	2000	1000	1000000	3937008
REC 0123..	3	NASAL ROOT HEIGHT	142750	186900	165000	1500	1000	1000000	3937008
REC 0124..	4	EYE HEIGHT	142750	186100	164300	1500	1000	1000000	3937008
REC 0125..	5	TRAGION HEIGHT	138750	185000	162400	2000	1000	1000000	3937008
REC 0126..	6	CERVICAL HEIGHT	127750	170700	150100	1500	1000	1000000	3937008
REC 0127..	7	SHOULDER HEIGHT	119750	163200	143500	1500	1000	1000000	3937008
REC 0128..	8	SUPRASTERNAL HT	121750	162500	143000	1500	1000	1000000	3937008
REC 0129..	9	NIPPLE HEIGHT	107750	145500	128100	1500	1000	1000000	3937008
REC 0130..	10	SUBSTERNAL HEIGHT	104750	141400	123800	1500	1000	1000000	3937008
REC 0131..	11	ELBOW HEIGHT	92750	125200	110500	1500	1000	1000000	3937008
REC 0132..	12	WAIST HEIGHT	87750	124400	106300	1500	1000	1000000	3937008
REC 0133..	13	PENALE HEIGHT	70750	105300	87700	1500	1000	1000000	3937008
REC 0134..	14	WRIST HEIGHT	70750	101200	85200	1500	1000	1000000	3937008
REC 0135..	15	CROTCH HEIGHT	67750	97700	83400	1000	1000	1000000	3937008
REC 0136..	16	GLUTEAL FURROW HT	65750	94200	80200	1000	1000	1000000	3937008
REC 0137..	17	KNUCKLE HEIGHT	63750	89700	76300	1000	1000	1000000	3937008
REC 0138..	18	KNEECAP HEIGHT	41250	59300	51300	1000	500	1000000	3937008
REC 0139..	19	SITTING HEIGHT	75750	102300	91300	1000	1000	1000000	3937008
REC 0140..	20	EYE HT/SITTING	66750	93700	80000	1000	1000	1000000	3937008
REC 0141..	21	SHOULDER HT/SITT G	48250	69000	59100	1000	500	1000000	3937008
REC 0142..	22	WAIST HT/SITTING	16150	30500	23500	500	300	1000000	3937008
REC 0143..	23	ELBOW REST HT/SIT	13250	33000	23200	1000	500	1000000	3937008
REC 0144..	24	THIGH CLEARANCE HT	10150	18700	14200	300	200	1000000	3937008
REC 0145..	25	KNEE HT/SITTING	45250	63700	55000	1000	500	1000000	3937008
REC 0146..	26	POPLITEAL HT/SIT	35950	49700	43100	500	300	1000000	3937008
REC 0147..	27	BUTTOCK-KNEE LNTH	50250	70200	60000	1000	500	1000000	3937008
REC 0148..	28	BUTTOCK-LEG LENGTH	89750	127100	108500	1500	1000	1000000	3937008
REC 0149..	29	SHOULDER-ELBOW LTH	29350	43100	36400	500	300	1000000	3937008
REC 0150..	30	FOREARM-HAND LNTH	39250	54800	47900	1000	500	1000000	3937008
REC 0151..	31	SPAN	148250	209000	179800	2500	1500	1000000	3937008
REC 0152..	32	ARM REACH FR. WALL	69750	101800	87900	1500	1000	1000000	3937008
REC 0153..	33	MAXIMUM REACH/WALL	78750	115000	98000	1500	1000	1000000	3937008
REC 0154..	34	FUNCTIONAL REACH	67750	95100	82000	1000	1000	1000000	3937008
REC 0155..	35	ELBOW-ELBOW BROTH	34250	58300	43900	1000	500	1000000	3937008
REC 0156..	36	HIP BREADTH/SIT NG	29250	44600	35500	1000	500	1000000	3937008
REC 0157..	37	KNEE-KNEE BRTH/SIT	16350	26100	20100	500	200	1000000	3937008
REC 0158..	38	BIACROMIAL DIAM R	33250	47600	40000	500	300	1000000	3937008
REC 0159..	39	SHOULDER BREADTH	37250	53700	45400	1000	500	1000000	3937008
REC 0160..	40	CHEST BREADTH	24250	38900	30500	500	300	1000000	3937008
REC 0161..	41	WAIST BREADTH	20750	38500	27100	1000	500	1000000	3937008
REC 0162..	42	HIP BREADTH	28150	40300	33500	500	300	1000000	3937008
REC 0163..	43	CHEST DEPTH	17050	30500	23000	500	300	1000000	3937008
REC 0164..	44	WAIST DEPTH	14250	30600	20200	1000	500	1000000	3937008
REC 0165..	45	BUTTOCK DEPTH	16450	30600	22400	500	300	1000000	3937008
REC 0166..	46	NECK CIRCUMFERENCE	32350	45100	38000	500	300	1000000	3937008
REC 0167..	47	SHOULDER CIRCUM CE	57750	144300	114900	2000	1000	1000000	3937008
REC 0168..	48	CHEST CIRCUMF ENCE	80750	123400	98500	1500	1000	1000000	3937008
REC 0169..	49	WAIST CIRCUMF ENCE	61250	119300	81200	2000	1500	1000000	3937008
REC 0170..	50	BUTTOCK CIRCUMF CE	75750	119400	96000	1500	1000	1000000	3937008
REC 0171..	51	THIGH CIRCUMF ENCE	43750	73000	56800	1000	1000	1000000	3937008
REC 0172..	52	LOWER THIGH CIRC.	32750	56500	44000	1000	500	1000000	3937008
REC 0173..	53	CALF CIRCUMFERENCE	28750	44800	36500	1000	500	1000000	3937008
REC 0174..	54	ANKLE CIRCUMF ENCE	18250	29100	22600	500	300	1000000	3937008
REC 0175..	55	SCYLE CIRCUMFERENCE	33750	58800	45900	1000	1000	1000000	3937008
REC 0176..	56	AXILLARY ARM CIRC.	24250	42600	31700	1000	500	1000000	3937008
REC 0177..	57	BICEPS CIRC-FLEXED	24250	41800	32400	1000	500	1000000	3937008
REC 0178..	58	ELBOW CIRC-FLEXED	24850	38300	31000	500	300	1000000	3937008
REC 0179..	59	LOWER ARM C-FLEXED	22750	35600	29200	500	300	1000000	3937008
REC 0180..	60	WRIST CIRCUMF ENCE	14350	21600	17400	300	200	1000000	3937008

TABLE 9 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0181..	61	SLEEVE INSEAM	40250	55800	50300	1000	500	1000000	3937008
REC 0182..	62	SLEEVE LENGTH	69750	99800	85300	1500	1000	1000000	3937008
REC 0183..	63	ANTERIOR NECK LGTH	3250	13700	8700	500	300	1000000	3937008
REC 0184..	64	POSTERIOR NECK LTH	3850	14900	9200	500	300	1000000	3937008
REC 0185..	65	SHOULDER LENGTH	11550	22800	17200	500	300	1000000	3937008
REC 0186..	66	WAIST BACK	34750	55300	45000	1000	500	1000000	3937008
REC 0187..	67	WAIST FRONT	28250	50000	38600	1000	500	1000000	3937008
REC 0188..	68	GLUTEAL ARC	22750	36400	29500	500	300	1000000	3937008
REC 0189..	69	CROTCH LENGTH	54750	69000	71500	1500	1000	1000000	3937008
REC 0190..	70	VERTICAL TRUNK C.	139250	169700	164500	2000	1500	1000000	3937008
REC 0191..	71	INTERSCYE	37750	62100	49800	1000	500	1000000	3937008
REC 0192..	72	INTERSCYE-MAXIMUM	44750	65500	57900	1000	500	1000000	3937008
REC 0193..	73	BUTTOCK CIRC/SIT.	84750	133500	105900	2000	1000	1000000	3937008
REC 0194..	74	KNEE CIRC/SITTING	32250	47800	39000	1000	500	1000000	3937008
REC 0195..	75	FOOT LENGTH	22350	31100	26700	300	200	1000000	3937008
REC 0196..	76	INSTEP LENGTH	16150	22500	19400	300	200	1000000	3937008
REC 0197..	77	FOOT BREADTH	8050	11600	9700	200	100	1000000	3937008
REC 0198..	78	HEEL BREAOTH	5350	8300	6700	100	100	1000000	3937008
REC 0199..	79	BI-MALLECLAR BR TH	6150	8800	7500	100	100	1000000	3937008
REC 0200..	80	MED L MALLECLLS HT	6850	10900	8800	200	100	1000000	3937008
REC 0201..	81	LAT L MALLECLLS HT	5050	5000	6900	200	100	1000000	3937008
REC 0202..	82	BALL OF FOOT CIRC.	20350	29300	24400	300	200	1000000	3937008
REC 0203..	83	HAND LENGTH	14750	22200	19000	300	200	1000000	3937008
REC 0204..	84	PALM LENGTH	8550	12600	10800	200	100	1000000	3937008
REC 0205..	85	HAND BREAOTH/THUMB	8450	12100	10400	200	100	1000000	3937008
REC 0206..	86	HAND B/METACARPALE	7550	10200	8800	100	100	1000000	3937008
REC 0207..	87	THICKNESS-META III	2350	3600	3000	100	100	1000000	3937008
REC 0208..	88	1ST-PHALANX 3 LGTH	5550	7800	6800	100	100	1000000	3937008
REC 0209..	89	FINGER DIAMETER	1830	2620	2100	159	159	1000000	3937008
REC 0210..	90	GRIP DIAM R INSIDE	3350	6600	4800	200	100	1000000	3937008
REC 0211..	91	GRIP DIAM. OUTSIDE	7950	12900	10400	200	100	1000000	3937008
REC 0212..	92	FIST CIRCUMFERENCE	24950	34100	29300	500	200	1000000	3937008
REC 0213..	93	HEAD LENGTH	17450	22300	19700	200	100	1000000	3937008
REC 0214..	94	HEAD BREAOTH	13550	17200	15400	200	100	1000000	3937008
REC 0215..	95	MIN FRONTAL DIAM R	9250	13100	11100	200	100	1000000	3937008
REC 0216..	96	MAX FRONTAL DIAM R	10150	13900	12000	200	100	1000000	3937008
REC 0217..	97	BILYGNOMATIC DIAM R	12350	15700	14100	200	100	1000000	3937008
REC 0218..	98	BIGONIAL DIAMETER	9050	12800	10900	200	100	1000000	3937008
REC 0219..	99	BITRAGON DIAMETER	12150	16000	14200	200	100	1000000	3937008
REC 0220..	100	INTEROCULAR DIAM R	2150	4000	3200	100	100	1000000	3937008
REC 0221..	101	BIOCULAR DIAMETER	8050	11300	9600	200	100	1000000	3937008
REC 0222..	102	INTERPUPILLARY DIS	5050	7600	6300	100	100	1000000	3937008
REC 0223..	103	NOSE LENGTH	3950	6400	5100	100	100	1000000	3937008
REC 0224..	104	NOSE BREAOTH	2350	4600	3300	100	100	1000000	3937008
REC 0225..	105	NASAL ROOT BREAOTH	850	2300	1600	100	100	1000000	3937008
REC 0226..	106	NOSE PROTRUSION	1050	3400	2300	100	100	1000000	3937008
REC 0227..	107	PHILTRUM LENGTH	850	3100	1900	100	100	1000000	3937008
REC 0228..	108	MENTON-SUBNASALE	4550	8900	6700	200	100	1000000	3937008
REC 0229..	109	MENTON-CRINION LTH	15550	21700	18700	300	200	1000000	3937008
REC 0230..	110	LIP-LIP DISTANCE	350	2800	1600	100	100	1000000	3937008
REC 0231..	111	LIP LENGTH	3750	6700	5200	100	100	1000000	3937008
REC 0232..	112	EAR LENGTH	4650	8000	6300	200	100	1000000	3937008
REC 0233..	113	EAR BREAOTH	2750	4600	3700	100	100	1000000	3937008
REC 0234..	114	EAR LTH ABOVE TRAG	1950	4100	3000	100	100	1000000	3937008
REC 0235..	115	EAR PROTRUSION	1050	3900	2100	100	100	1000000	3937008
REC 0236..	116	HEAD HEIGHT	10350	15500	13000	200	200	1000000	3937008
REC 0237..	117	MENTON PROJECTION	2450	7200	4800	200	100	1000000	3937008
REC 0238..	118	EXT L CANTHUS-WALL	13950	20100	17200	300	200	1000000	3937008
REC 0239..	119	NASAL ROOT TO WALL	16550	22700	19700	300	200	1000000	3937008
REC 0240..	120	TRAGON TO WALL	7750	13100	10200	200	200	1000000	3937008

TABLE 9 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0241..	121	LARYNX TO WALL	13550	21700	17700	300	200	1000000	3937008	
REC 0242..	122	HEAD CIRCUMFERENCE	51550	62500	57000	500	300	1000000	3937008	
REC 0243..	123	SAGITTAL ARC	32950	43300	38100	500	300	1000000	3937008	
REC 0244..	124	BITRAG-CORONAL ARC	31150	39300	35000	300	200	1000000	3937008	
REC 0245..	125	MINIMUM FR TAL ARC	5550	17000	13700	300	200	1000000	3937008	
REC 0246..	126	BIT-MIN-FR TAL ARC	26950	34000	30500	300	200	1000000	3937008	
REC 0247..	127	BITRAG-CRINICN ARC	28350	37200	33100	300	200	1000000	3937008	
REC 0248..	128	BITRAG-MENTCN ARC	27550	37500	32300	500	200	1000000	3937008	
REC 0249..	129	BIT-SUBMANOIBLLAR	24250	37700	30600	500	300	1000000	3937008	
REC 0250..	130	BIT-SUBNASALE ARC	25550	33000	29000	300	200	1000000	3937008	
REC 0251..	131	POSTERIOR ARC	22550	31800	27100	300	200	1000000	3937008	
REC 0252..	132	BITRAG-INIUN ARC	24550	34000	29400	500	200	1000000	3937008	
REC 0253..	133	AGE	17750	54500	27900	1500	1000	1000000	10000000	
REC 0254..	134	S TYPE-ENOCMORPHY	950	6000	3500	200	200	10000000	10000000	
REC 0255..	135	S TYPE-MESCMORPHY	1950	7000	4500	200	200	10000000	10000000	
REC 0256..	136	S TYPE-ECTCMORPHY	950	7000	3000	300	200	10000000	10000000	
REC 0257..	137	S TYPE-GYNANORCM Y	550	6000	1900	200	200	10000000	10000000	
REC 0258..	138	S TYPE-OYSPLASIA	550	7000	2600	300	200	10000000	10000000	
REC 0259..	139	S TYPE-T COMPCNENT	1350	3000	1900	100	100	10000000	10000000	
REC 0260..	140	HOOTON-ENDCMORPHY	950	7000	3900	300	200	10000000	10000000	
REC 0261..	141	HOOTON-MESCMORPHY	950	7000	3400	300	200	10000000	10000000	
REC 0262..	142	HOOTON-ECTCMORPHY	950	7000	3700	300	200	10000000	10000000	
REC 0263..	143	HOOTON-GYNANORCM Y	950	4000	2200	200	100	10000000	10000000	
REC 0264..	144	HOOTON-OYSPLASIA-T	1450	15000	6100	500	300	10000000	10000000	
REC 0265..	145	HOOTON-DYSPLASIA-1	1350	8500	3200	300	200	10000000	10000000	
REC 0266..	146	HOOTON-OYSPLASIA-2	1350	10000	3400	300	200	10000000	10000000	
REC 0267..	147	RANK	1050	2900	2100	100	100	10000000	10000000	
REC 0268..	148	AERORATING	1050	3200	1600	100	100	10000000	10000000	
REC 0269..	149	BIRTHPLACE-SUBJECT	50	900	500	100	100	10000000	10000000	
REC 0270..	150	BIRTHPLACE-FATHER	50	900	500	100	100	10000000	10000000	
REC 0271..	151	BIRTHPLACE-MOTHER	50	900	500	100	100	10000000	10000000	
REC 0272..	152	RELIGION	50	400	100	100	100	10000000	10000000	
REC 0273..	153	EDUCATION	50	900	500	100	100	10000000	10000000	
REC 0274..	154	MARITAL STATUS	50	400	200	100	100	10000000	10000000	
REC 0275..	155	HAIR COLOR	50	1600	300	100	100	10000000	10000000	
REC 0276..	156	HAIR FORM	50	500	200	100	100	10000000	10000000	
REC 0277..	157	SKIN COLOR	50	700	200	100	100	10000000	10000000	
REC 0278..	158	BOOY HAIR QUANTITY	50	500	300	100	100	10000000	10000000	
REC 0279..	159	BIRTHPLACE STATE-S	-250	50300	5400	2000	1500	10000000	10000000	
REC 0280..	160	BIRTHPLACE STATE-F	-250	50300	7200	2000	1500	10000000	10000000	
REC 0281..	161	BIRTHPLACE STATE-M	-250	60100	7200	2500	1500	10000000	10000000	
REC 0282..	(14,19F4.0,/,8F3.0,8F4.0,8F3.0,/,2(8F4.0,10F3.0,/,),126F3.0))									
REC 0283..	1170017621663165616361513146314301274 011391104 0 858 816 809 765 537 888									
REC 0284..	7595902922641665464256151133 365 5241861 942 954 888 448368202405461309274354245									
REC 0285..	230 255 4051154 595 883 592 605396354210441324330307260170490864100110152383319									
REC 0286..	335 8021721 470 5501088 384 261193105 64 70 94 82242196112107 85 31 0 22 47 94									
REC 0287..	279198143105112137108142 30 91 62 53 37 15 24 21 64175 20 54 63 35 33 18112 4000									
REC 0288..	180212109178570370356114314325322295308270295265 45 40 30 30 30 17 -0 -0 -0 -000									
REC 0289..	-0 -0 -0 24 11 4 1 4 1 3 2 2 2 4 4 42 16 42000000 30 17 -0 -0 -0 -000									
REC 0290..	2185017771661165716491554148014501328 011231128 0 878 844 852 811 524 878									
REC 0291..	7445822501901775714276551144 386 5121805 905 985 805 471412215421483308306370272									
REC 0292..	240 245 39111611050 9401012 650425392229426360345322283170482835 85120170455335									
REC 0293..	293 8191730 470 5551115 396 275200 93 68 70 91 80249188107104 84 30 0 20 47 99									
REC 0294..	291191159105112143111150 27 54 62 56 37 17 23 18 64 0 18 53 66 38 34 26139 3500									
REC 0295..	175198106186559360340125290 0320305280276304285 40 45 20 20 16 -0 -0 -0 -000									
REC 0296..	-0 -0 -0 23 21 2 0 0 3 5 1 2 3 4 4 21227227000000 20 16 -0 -0 -0 -000									
REC 0297..	3174017201601159515871463141013841255 010981062 0 656 779 791 766 480 901									
REC 0298..	7855952802481675424016041079 346 4881773 875 968 781 426390218386456310294355246									
REC 0299..	225 246 3881149 580 8501028 655410584220485334324307267180442840 75115150410315									
REC 0300..	314 8101610 455 5601110 376 260164 55 73 74 87 75245189108110 89 31 0 22 47 99									

TABLE 9 (continued)

HEADING AND DATA FOR FIRST 10 SETS OF DATA, VOLUME IV

REC 0301..28819214610511413C100135 32 54 67 53 35 18 24 24 75194 15 49 60 36 32 19130 2900
 REC 0302..172192 9517254535534812030324322295288257270265 50 35 20 35 30 14 -0 -0 -0 -000
 REC 0303.. -0 -0 -0 24 11 7 7 7 2 1 2 2 2 4 3 72 72 72000000 30 14 -0 -0 -0 -000
 REC 0304.. 4140018601739173117331619157C15251393 012031181 0 920 920 889 827 562 955
 REC 0305..8136632602721506CC4606191206 366 5251963 9521097 863 362346201394426285237330226
 REC 0306.. 175 182 3421095 925 690 885 496350339216411268262275244160545885105100175480334
 REC 0307.. 283 7001620 385 565 930 377 280202 94 65 76 93 77236210121110 89 28 0 22 53108
 REC 0308..290195145106115132 93136 29 97 64 52 32 14 19 26 68187 25 47 68 37 33 24135 3500
 REC 0309..180202 98175559365540130300326310286269250275245 20 20 65 20 40 25 20 10 60 000
 REC 0310.. 70 50 20 23 17 7 7 6 1 5 1 2 3 4 3 74 53 63000000 40 25 20 10 60 000
 REC 0311.. 5160018031682168516831557149514821331 011581136 0 899 855 838 811 534 928
 REC 0312..7926022712561645414096311139 369 4951792 870 943 764 420364200360411284255350214
 REC 0313.. 200 216 3601050 966 800 962 575385559218410290299270240155498840 87110150420370
 REC 0314.. 315 7001595 418 5301048 385 274196 57 67 77 89 74242189108 99 81 33 0 20 50107
 REC 0315..280185138 94107128109132 22 88 62 55 35 12 23 19 62172 16 52 67 37 35 23131 3400
 REC 0316..168189 9617353330C336132287305306292292265285245 40 30 40 20 60 17 40 20 40 2000
 REC 0317.. 60 0 60 13 27 3 3 3 1 3 1 0 0 0 0 39 39 39000000 60 17 40 20 40 2000
 REC 0318.. 6140016611545154915431435139113431219 010771038 0 836 787 747 750 489 853
 REC 0319..7235792382671435264145781067 347 4651699 773 956 732 410332196370431282255320208
 REC 0320.. 186 207 3601034 920 715 505 530367350223450292290312268170420816110105152416310
 REC 0321.. 320 7551618 426 548 986 358 248172 95 71 72 86 76234180102106 87 29 0 22 44 98
 REC 0322..295186149106117141109144 31 94 66 47 34 16 20 19 60174 13 54 54 33 31 24111 4200
 REC 0323..160179 90171543360324122302305320298292256280305 40 40 30 20 30 16 -0 -0 -0 -000
 REC 0324.. -0 -0 -0 16 22 7 5 7 1 3 2 0 0 0 0 73 54 73000000 30 16 -0 -0 -0 -000
 REC 0325.. 7155017931675167016571514142514301288 011291094 0 881 798 774 810 517 935
 REC 0326..8075842872461495323955721094 334 4741721 9261000 856 418338205418452279249335219
 REC 0327.. 202 214 3821115 890 760 937 570410340212439313332295296181454847125112163443336
 REC 0328.. 338 8201630 490 5601040 380 260186 92 68 75 94 84237179101106 86 34 0 23 41 93
 REC 0329..305192148104112132106137 29 96 64 52 34 13 23 21 60182 12 53 69 37 32 24126 4600
 REC 0330..178204123198560380350120297320310290282272295265 35 40 35 20 50 15 -0 -0 -0 -000
 REC 0331.. -0 -0 -0 15 23 2 2 2 2 3 1 3 2 3 3 21 21 21000000 50 15 -0 -0 -0 -000
 REC 0332.. 8165017151603159415881449137213761211 010611075 0 821 761 747 719 490 908
 REC 0333..7825692762231535344065761049 355 4841781 8681019 840 427358208385455295265350225
 REC 0334.. 219 219 3701132 916 804 970 570415580235437310316320290185495808103110170420325
 REC 0335.. 310 7951643 421 5201078 363 267194100 72 77 94 74252192109106 88 33 0 22 50105
 REC 0336..290193145 94108135108140 26 90 61 50 32 15 20 19 62178 16 52 64 40 31 20124 3600
 REC 0337..174192 98172562380341118290306314294287264294275 40 50 20 20 20 18 -0 -0 -0 -000
 REC 0338.. -0 -0 -0 16 22 3 3 3 1 3 2 5 1 4 3 34 36 34000000 20 18 -0 -0 -0 -000
 REC 0339.. 9164017481622161716131486142114141257 011021058 0 863 803 795 775 513 922
 REC 0340..7985982402491415444066021027 345 4861768 877 992 793 388565200416484314280346226
 REC 0341.. 204 220 4101176 950 819 954 575405375226457335329327275160493805 90120155450390
 REC 0342.. 270 7551710 437 5531055 379 256187100 69 73 90 76240182103108 89 31 0 22 44103
 REC 0343..289193158110120143103148 33101 70 54 42 15 20 24 66187 13 51 62 35 31 24135 4700
 REC 0344..170188106166570375368140311329313276290280305255 35 50 20 15 10 22 -0 -0 -0 -000
 REC 0345.. -0 -0 -0 24 11 2 0 2 2 3 2 3 2 3 3 23237 23000000 10 22 -0 -0 -0 -000
 REC 0346.. 10137016461538152915111368132013341203 01021 997 0 783 756 734 697 473 875
 REC 0347..7595472332061285024025631021 345 4551708 858 957 755 433332195392451284251322228
 REC 0348.. 188 215 3751133 910 720 910 525375336212450316326287275175430837 82111165377395
 REC 0349.. 285 6901570 420 565 982 357 243179 92 67 71 88 71237181102109 86 31 0 22 44 95
 REC 0350..290196152105114135104140 28 95 65 50 38 18 17 23 66172 15 58 60 37 34 19128 5300
 REC 0351..174189 96152568387351130300320323296297265315275 25 55 20 10 20 20 -0 -0 -0 -000
 REC 0352.. -0 -0 -0 15 23 1 1 1 1 3 2 6 3 4 2 11 11 11000000 20 20 -0 -0 -0 -000

TABLE 10

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 1 THROUGH 8

	1		2		3		4		5		6		7		8	
	WEIGHT		HEIGHT (STATURE)		NASAL ROT HEIGHT		EYE HEIGHT		TRAGION HEIGHT		CERVICAL HEIGHT		SHOULDER HEIGHT		SUPRASTERNAL HEIGHT	
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	1130.0	3139	1519.0	4025	1435.0	4025	1430.0	4025	1393.0	4025	1282.0	4025	1204.0	4025	1223.0	4025
2ND SMALLEST	1130.0	1915	1534.0	2752	1440.0	2752	1437.0	2752	1413.0	3500	1305.0	3500	1246.0	2752	1229.0	3500
3RD SMALLEST	1140.0	59	1539.0	3500	1447.0	3500	1440.0	3500	1417.0	2752	1306.0	2107	1248.0	2107	1237.0	2107
4TH SMALLEST	1145.0	3453	1545.0	2107	1447.0	2107	1440.0	2107	1417.0	2107	1315.0	137	1257.0	3500	1257.0	2570
5TH SMALLEST	1150.0	896	1562.0	2570	1460.0	392	1455.0	137	1437.0	137	1321.0	3382	1266.0	137	1258.0	392
6TH SMALLEST	1160.0	1745	1567.0	3382	1462.0	3382	1456.0	3382	1439.0	2570	1321.0	2570	1267.0	392	1260.0	3139
7TH SMALLEST	1160.0	193	1570.0	137	1465.0	137	1462.0	392	1439.0	2198	1327.0	3139	1268.0	2570	1260.0	2752
8TH SMALLEST	1170.0	3372	1575.0	2198	1472.0	2570	1465.0	2570	1442.0	986	1328.0	2752	1269.0	986	1262.0	226
9TH SMALLEST	1170.0	3250	1578.0	2779	1474.0	586	1466.0	586	1449.0	3382	1328.0	2610	1271.0	3193	1268.0	137
XTH SMALLEST	1170.0	873	1580.0	3139	1476.0	3139	1470.0	3139	1451.0	3193	1338.0	2534	1271.0	3036	1270.0	3036

XTH LARGEST	2270.0	3323	1932.0	3720	1819.0	1980	1810.0	2699	1792.0	3048	1663.0	3402	1596.0	3685	1589.0	2699
9TH LARGEST	2280.0	1008	1936.0	3839	1820.0	3288	1815.0	3288	1794.0	2781	1665.0	1980	1598.0	313	1590.0	2687
8TH LARGEST	2300.0	3000	1937.0	2699	1823.0	2634	1816.0	4004	1796.0	3288	1670.0	2091	1601.0	3720	1591.0	313
7TH LARGEST	2300.0	3550	1937.0	4054	1823.0	4004	1817.0	1787	1757.0	3839	1670.0	3048	1602.0	2687	1591.0	1696
6TH LARGEST	2310.0	2184	1938.0	3048	1825.0	3818	1817.0	3818	1800.0	3818	1672.0	1787	1603.0	1696	1596.0	1008
5TH LARGEST	2310.0	2247	1944.0	2687	1826.0	1787	1818.0	3048	1801.0	4054	1673.0	2699	1611.0	2699	1595.0	1980
4TH LARGEST	2310.0	2444	1952.0	1799	1850.0	1799	1834.0	1799	1811.0	1799	1677.0	1799	1611.0	3048	1600.0	1799
3RD LARGEST	2310.0	3279	1952.0	3402	1856.0	3402	1850.0	3402	1818.0	3402	1681.0	2828	1613.0	2828	1620.0	1135
2ND LARGEST	2320.0	2773	1971.0	1135	1866.0	2828	1858.0	1135	1820.0	1135	1682.0	2687	1619.0	3402	1621.0	3402
1ST LARGEST	2650.0	1219	1975.0	2828	1869.0	1135	1861.0	2828	1850.0	2828	1707.0	1135	1632.0	1135	1625.0	2828
THE MEAN VALUE	1633.54		1755.60		1650.00		1643.37		1623.75		1501.08		1435.49		1429.66	
STD. DEVIATION	208.03		61.62		60.28		60.23		60.25		58.09		57.31		55.27	
COEFF./VARIATION	12.73		3.51		3.65		3.66		3.71		3.87		3.99		3.87	
TOP	0.35		0.12		0.15		0.15		0.17		0.14		0.11		0.11	
80T	0.04		0.17		0.12		0.12		0.17		0.17		0.21		0.15	
VETA ONE	0.43		0.01		0.01		0.01		0.01		-0.02		-0.00		0.02	
VETA TWO	3.01		3.10		3.10		3.09		3.05		3.04		3.01		3.07	
(N-20)-AVG EST	1632.99		1755.62		1650.01		1643.38		1623.78		1501.11		1435.50		1429.68	
(N-20)-S.D. EST	208.67		61.54		60.23		60.20		60.21		58.10		57.33		55.21	
PCT DIFF/MEANS	0.		-0.		-0.		-0.		-0.		-0.		-0.		-0.	
PCT DIF/ST DVS	-0.		0.		0.		0.		0.		-0.		-0.		0.	
SIZE OF SAMPLE	4000		4000		4000		4000		4000		4000		4000		4000	

** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 9 THROUGH 16

	9		10		11		12		13		14		15		16	
	NIPPLE H EIGHT		SUBSTERN ALE HEIGHT		ELBOW HE IGH		WAIST HE IGH		PENALE H EIGHT		WRIST HE IGH		CROTCH H EIGHT		GLUTEAL FURROW HT	
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	1079.0	3500	1050.0	4025	934.0	4025	682.0	4025	713.0	4025	714.0	4025	687.0	226	663.0	4025
2ND SMALLEST	1093.0	4025	1056.0	3500	953.0	2752	908.0	3500	726.0	2570	714.0	2752	691.0	2570	668.0	3500
3RD SMALLEST	1094.0	2107	1059.0	2107	956.0	2107	914.0	3036	736.0	3193	740.0	3036	693.0	392	669.0	226
4TH SMALLEST	1117.0	2752	1078.0	3139	962.0	3036	922.0	3139	738.0	2107	741.0	3263	700.0	116	670.0	3139
5TH SMALLEST	1119.0	392	1084.0	2570	968.0	3500	922.0	2107	741.0	3139	742.0	3268	701.0	4025	670.0	2570
6TH SMALLEST	1121.0	3139	1086.0	2407	970.0	137	928.0	2779	744.0	3500	742.0	1740	701.0	3193	672.0	2779
7TH SMALLEST	1124.0	137	1091.0	1745	971.0	392	929.0	226	748.0	2779	744.0	2067	702.0	279	677.0	392
8TH SMALLEST	1125.0	2570	1095.0	3036	972.0	226	932.0	435	751.0	2710	745.0	3190	702.0	279	681.0	106
9TH SMALLEST	1130.0	226	1095.0	2190	976.0	3122	934.0	2673	755.0	3145	745.0	983	711.0	3500	682.0	2673
XTH SMALLEST	1134.0	3193	1096.0	1740	977.0	3190	935.0	2570	757.0	3149	746.0	1192	711.0	2710	683.0	1745

XTH LARGEST	1426.0	3913	1375.0	3146	1232.0	742	1202.0	1302	998.0	1799	961.0	2634	956.0	1787	923.0	1568
9TH LARGEST	1435.0	1787	1376.0	1213	1232.0	2091	1203.0	113	998.0	1980	963.0	1980	957.0	4054	923.0	2687
8TH LARGEST	1436.0	1980	1376.0	1302	1232.0	2634	1203.0	3913	998.0	3068	965.0	2177	958.0	2699	925.0	2966
7TH LARGEST	1436.0	2828	1377.0	1377	1235.0	1656	1206.0	691	1000.0	1377	967.0	310	961.0	1799	928.0	3913
6TH LARGEST	1438.0	2087	1382.0	1799	1236.0	3685	1207.0	320	1002.0	1696	968.0	3402	963.0	3720	932.0	1377
5TH LARGEST	1442.0	3402	1393.0	1717	1236.0	3839	1211.0	76	1003.0	1787	969.0	649	964.0	3913	933.0	1135
4TH LARGEST	1447.0	1135	1393.0	3402	1237.0	3720	1213.0	3402	1004.0	3913	972.0	742	966.0	3402	934.0	3402
3RD LARGEST	1448.0	2177	1404.0	1696	1238.0	1787	1214.0	1980	1011.0	3048	973.0	1688	968.0	3048	938.0	1799
2ND LARGEST	1449.0	3720	1405.0	3720	1243.0	3402	1229.0	3048	1032.0	3402	984.0	1787	976.0	1135	941.0	3048
1ST LARGEST	1455.0	3048	1414.0	1135	1252.0	2667	1244.0	1135	1053.0	1135	1012.0	2687	977.0	1696	942.0	1696
THE MEAN VALUE	1281.02		1237.55		1105.11		1067.71		877.14		851.92		833.87		801.80	
STO. DEVIATION	52.16		50.64		44.76		45.55		44.01		38.76		43.33		40.86	
COFF/VARIATION	4.07		4.09		4.05		4.27		5.02		4.55		5.20		5.10	
***TOP**	0.10		0.14		0.08		0.16		0.23		0.24		0.09		0.08	
BOT	0.19		0.16		0.17		0.20		0.18		0.15		0.10		0.08	
VETA ONE	0.01		0.03		0.02		0.00		0.03		0.03		0.02		0.06	
VETA TWO	3.01		3.10		2.96		3.21		3.09		2.95		3.01		3.05	
(N-20)-AVG EST	1281.04		1237.57		1105.13		1067.71		877.15		851.90		833.87		801.79	
(N-20)-S.D.EST	52.13		50.57		44.80		45.46		43.95		38.79		43.36		40.82	
PCT DIFF/MEANS	-0.		-0.		-0.		-0.		-0.		0.		-0.		0.	
PCT OIF/ST OVS	0.		0.		-0.		0.		0.		-0.		-0.		0.	
SIZE OF SAMPLE	4000		2908		4000		4000		2908		4000		4000		4000	

** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 17 THROUGH 24

	17	18	19	20	21	22	23	24
	KNUCKLE HEIGHT	KNEECAP HEIGHT	SITTING HEIGHT	EYE HT/S ITTING	SHOULDER HT/SITT G	WAIST HT /SITTING	ELBOW RE ST HT/SIT	THIGH CL EARANCE HT
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	638.0	416.0	767.0	670.0	483.0	162.0	134.0	103.0
2ND SMALLEST	643.0	434.0	800.0	681.0	504.0	172.0	143.0	103.0
3RD SMALLEST	645.0	436.0	802.0	683.0	505.0	174.0	148.0	103.0
4TH SMALLEST	656.0	437.0	803.0	694.0	508.0	174.0	150.0	103.0
5TH SMALLEST	658.0	437.0	811.0	696.0	508.0	176.0	151.0	106.0
6TH SMALLEST	658.0	440.0	812.0	697.0	510.0	177.0	151.0	106.0
7TH SMALLEST	660.0	441.0	815.0	699.0	510.0	177.0	152.0	106.0
8TH SMALLEST	662.0	441.0	817.0	702.0	510.0	178.0	153.0	107.0
9TH SMALLEST	664.0	445.0	817.0	707.0	511.0	179.0	156.0	107.0
XTH SMALLEST	664.0	445.0	815.0	708.0	512.0	180.0	157.0	107.0

XTH LARGEST	872.0	587.0	1004.0	889.0	668.0	284.0	303.0	178.0
9TH LARGEST	872.0	587.0	1005.0	891.0	668.0	285.0	307.0	178.0
8TH LARGEST	873.0	589.0	1008.0	893.0	669.0	287.0	307.0	179.0
7TH LARGEST	874.0	590.0	1005.0	854.0	670.0	287.0	310.0	179.0
6TH LARGEST	879.0	591.0	1012.0	899.0	671.0	288.0	310.0	179.0
5TH LARGEST	882.0	592.0	1014.0	902.0	673.0	288.0	311.0	180.0
4TH LARGEST	885.0	592.0	1015.0	902.0	674.0	292.0	313.0	182.0
3RD LARGEST	893.0	592.0	1021.0	903.0	675.0	292.0	315.0	183.0
2ND LARGEST	897.0	593.0	1023.0	907.0	680.0	296.0	318.0	184.0
1ST LARGEST	897.0	593.0	1023.0	937.0	690.0	305.0	330.0	186.0
THE MEAN VALUE	763.21	513.41	913.04	799.59	590.86	234.62	231.72	142.36
STD. DEVIATION	36.42	25.78	32.26	31.87	28.46	19.08	25.87	12.98
COEFF/VARIATION	4.77	5.02	3.53	3.99	4.82	8.13	11.16	9.12
TOP**	0.12	0.04	0.10	0.27	0.14	0.20	0.18	0.13
BOT**	0.13	0.20	0.28	0.21	0.19	0.17	0.16	0.06
VETA ONE	0.06	0.10	-0.04	-0.04	-0.07	-0.17	-0.06	0.02
VETA TWO	2.98	2.94	3.10	3.15	2.96	2.96	3.03	2.83
(N-20)-AVG EST	763.19	513.41	913.05	799.60	590.87	234.63	231.72	142.36
(N-20)-S.D.EST	36.40	25.83	32.19	31.77	28.53	19.10	25.85	13.01
PCT DIFF/MEANS	0.	0.	-0.	-0.	-0.	-0.	-0.	0.
PCT DIF/ST OVS	0.	-0.	0.	0.	-0.	-0.	0.	-0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 25 THROUGH 32

	25	26	27	28	29	30	31	32
	KNEE HT/ SITTING	POPLITEA L HT/SIT	BUTTOCK- KNEE LGTH	BUTTOCK- LEG LENGTH	SHOULDER -ELBOW LTH	FOREARM- HAND LGTH	SPAN	ARM REAC H FR. WALL
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	457.0 4025	360.0 3193	507.0 2570	901.0 4025	295.0 2570	396.0 2107	1483.0 2570	702.0 3500
2ND SMALLEST	461.0 2570	363.0 4025	510.0 3135	902.0 3139	304.0 4025	398.0 2570	1520.0 2107	710.0 2107
3RD SMALLEST	465.0 3139	364.0 282	510.0 226	903.0 2107	307.0 2625	404.0 3500	1521.0 3500	736.0 637
4TH SMALLEST	468.0 226	365.0 116	512.0 4025	918.0 3500	309.0 2198	405.0 3193	1526.0 622	745.0 3139
5TH SMALLEST	471.0 392	367.0 2570	522.0 3500	924.0 2570	310.0 3193	414.0 4025	1531.0 4025	746.0 622
6TH SMALLEST	472.0 3193	367.0 226	524.0 566	936.0 1719	310.0 3139	414.0 382	1578.0 2574	745.0 3193
7TH SMALLEST	473.0 2107	370.0 2107	527.0 2610	948.0 3644	311.0 622	415.0 1904	1580.0 3193	751.0 3453
8TH SMALLEST	479.0 1745	370.0 392	527.0 392	949.0 2592	312.0 2805	416.0 3139	1583.0 3382	755.0 321
9TH SMALLEST	481.0 3500	373.0 966	528.0 2107	951.0 482	312.0 2347	419.0 2441	1584.0 2625	757.0 392
XTH SMALLEST	483.0 3036	374.0 184	528.0 435	951.0 193	315.0 2663	420.0 3644	1585.0 1904	760.0 3646

XTH LARGEST	622.0 2687	487.0 2135	678.0 2091	1246.0 3068	412.0 113	538.0 1162	2013.0 79	1000.0 2280
9TH LARGEST	623.0 1135	488.0 2491	678.0 2275	1250.0 3402	412.0 1377	538.0 2195	2015.0 3048	1001.0 2983
8TH LARGEST	624.0 2781	490.0 2687	678.0 3720	1253.0 3769	413.0 16	539.0 313	2016.0 684	1002.0 1060
7TH LARGEST	626.0 2135	491.0 1772	682.0 273	1254.0 113	413.0 2301	542.0 1799	2021.0 313	1002.0 1162
6TH LARGEST	626.0 2699	491.0 2966	686.0 4004	1254.0 3048	414.0 3155	543.0 113	2021.0 1799	1005.0 2966
5TH LARGEST	629.0 3769	491.0 3068	687.0 1799	1258.0 2699	414.0 3913	543.0 2151	2030.0 2280	1006.0 2997
4TH LARGEST	630.0 2966	492.0 3913	688.0 1696	1261.0 313	416.0 313	544.0 35	2030.0 2481	1011.0 46
3RD LARGEST	630.0 3720	493.0 1135	691.0 1135	1267.0 814	417.0 4004	545.0 2280	2034.0 3999	1015.0 2828
2ND LARGEST	634.0 1799	494.0 1799	694.0 113	1267.0 2828	420.0 2699	546.0 1135	2046.0 4054	1016.0 73
1ST LARGEST	637.0 1696	497.0 1696	702.0 3402	1271.0 1135	431.0 1135	548.0 2667	2090.0 1135	1016.0 1135
THE MEAN VALUE	550.42	430.91	599.93	1084.57	363.68	478.85	1798.12	878.56
STD. DEVIATION	24.79	19.32	26.68	51.40	17.16	20.25	74.20	41.52
COFF/VARIATION	4.50	4.48	4.45	4.74	4.72	4.23	4.13	4.73
TOP	0.11	0.09	0.16	0.08	0.20	0.08	0.18	0.07
BOT	0.19	0.12	0.14	0.17	0.21	0.20	0.24	0.24
VETA ONE	0.04	0.05	0.09	0.14	-0.03	-0.02	-0.03	0.05
VETA TWO	2.99	3.09	3.09	3.12	2.98	3.08	3.14	3.07
(N-20)-AVG EST	550.42	430.92	599.92	1084.52	363.68	478.86	1798.16	878.58
(N-20)-S.D.EST	24.76	19.29	26.66	51.30	17.15	20.19	74.00	41.44
PCT DIFF/MEANS	-0.	-0.	0.	0.	-0.	-0.	-0.	-0.
PCT DIF/ST DVS	0.	0.	0.	0.	0.	0.	0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1550 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 33 THROUGH 40

	33	34	35	36	37	38	39	40
	MAXIMUM REACH/WALL VALUE SBJCT	FUNCTION AL REACH VALUE SBJCT	ELBOW-EL 80W 8RDTH VALUE SBJCT	HIP BREA DTH/SIT NG VALUE SBJCT	KNEE-KNE E BRTH/SIT VALUE SBJCT	BIACROMI AL DIAM R VALUE SBJCT	SHOULDER 8READTH VALUE SBJCT	CHEST 8R EACTH VALUE SBJCT
1ST SMALLEST	796.0 4025	683.0 4025	343.0 2725	293.0 3569	165.0 1737	335.0 105	375.0 1166	244.0 2662
2ND SMALLEST	813.0 3193	688.0 3500	345.0 1703	295.0 3372	167.0 2012	342.0 889	385.0 2358	252.0 2719
3RD SMALLEST	820.0 2570	688.0 2107	349.0 2662	257.0 2002	168.0 1745	343.0 495	386.0 608	252.0 325
4TH SMALLEST	838.0 1940	653.0 3453	349.0 1299	298.0 3595	170.0 2026	344.0 59	388.0 3139	253.0 535
5TH SMALLEST	842.0 2107	694.0 3981	351.0 2823	300.0 1725	170.0 19	345.0 2625	389.0 3333	254.0 2847
6TH SMALLEST	845.0 3500	702.0 444	351.0 449	302.0 3300	171.0 2655	345.0 1424	389.0 534	254.0 2644
7TH SMALLEST	848.0 497	703.0 3646	353.0 2026	302.0 1641	171.0 2546	345.0 1138	390.0 873	254.0 2438
8TH SMALLEST	850.0 1963	703.0 3136	354.0 1120	302.0 1474	172.0 3224	345.0 546	391.0 2138	254.0 2138
9TH SMALLEST	851.0 986	707.0 622	355.0 2019	302.0 1296	172.0 2506	345.0 206	392.0 2662	254.0 193
XTH SMALLEST	852.0 3170	710.0 3963	356.0 1915	302.0 720	172.0 1518	346.0 608	392.0 388	255.0 1454

XTH LARGEST	1115.0 3402	938.0 79	548.0 2718	424.0 525	246.0 3550	452.0 1261	525.0 3428	368.0 3242
9TH LARGEST	1119.0 2781	939.0 162	550.0 60	424.0 3328	246.0 3819	452.0 2350	527.0 836	368.0 3323
8TH LARGEST	1119.0 3155	939.0 2781	552.0 2250	425.0 68	247.0 2827	453.0 929	528.0 2463	371.0 2826
7TH LARGEST	1120.0 3999	940.0 1162	555.0 344	425.0 2356	248.0 2527	453.0 2481	529.0 1219	373.0 1008
6TH LARGEST	1122.0 2871	943.0 3361	555.0 409	426.0 1072	249.0 220	454.0 320	529.0 3515	373.0 2905
5TH LARGEST	1123.0 76	946.0 1135	556.0 2461	429.0 2184	249.0 718	456.0 2199	530.0 1261	372.0 3550
4TH LARGEST	1131.0 73	948.0 2195	560.0 3267	435.0 903	250.0 60	460.0 2581	531.0 2444	374.0 2110
3RD LARGEST	1142.0 2966	949.0 73	564.0 2444	438.0 3819	250.0 2199	464.0 1799	534.0 1272	376.0 1272
2ND LARGEST	1149.0 79	950.0 1278	565.0 2826	441.0 1219	254.0 200	465.0 2634	536.0 2110	380.0 2806
1ST LARGEST	1150.0 1135	951.0 3048	583.0 1219	446.0 3720	261.0 1219	476.0 1272	537.0 3065	385.0 1219
THE MEAN VALUE	980.13	820.48	439.01	354.65	201.14	400.06	454.10	305.33
STD. DEVIATION	47.26	40.29	35.49	21.54	12.50	18.32	22.75	19.96
COFF./VARIATION	4.82	4.91	8.08	6.07	6.21	4.58	5.01	6.54
••TOP••	0.13	0.06	0.18	0.18	0.20	0.23	0.09	0.19
••BOT••	0.21	0.12	0.07	0.07	0.09	0.10	0.13	0.10
VETA ONE	0.03	0.10	0.40	0.32	0.58	-0.05	0.18	0.33
VETA TWO	3.06	3.01	3.02	3.11	3.62	3.09	3.03	3.19
(N-20)-AVG EST	980.12	820.48	438.53	354.59	201.09	400.05	454.07	305.29
(N-20)-S.D.EST	47.26	40.31	35.56	21.53	12.46	18.30	22.73	19.97
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	-0.	0.	0.	0.	0.	-0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 41 THROUGH 48

	41	42	43	44	45	46	47	48
	WAIST BR EADTH	HIP BREA DTH	CHEST DE PTH	WAIST DE PTH	BUTTOCK DEPTH	NECK CIR CUMFERENCE	SHOULDER CIRCUM CE	CHEST CI RCUMF ENCE
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	210.0	282.0	172.0	146.0	167.0	325.0	980.0	812.0
2ND SMALLEST	211.0	283.0	174.0	146.0	168.0	325.0	982.0	816.0
3RD SMALLEST	213.0	283.0	176.0	146.0	172.0	327.0	990.0	831.0
4TH SMALLEST	214.0	283.0	178.0	148.0	172.0	328.0	995.0	833.0
5TH SMALLEST	215.0	285.0	182.0	149.0	175.0	328.0	998.0	834.0
6TH SMALLEST	215.0	285.0	183.0	150.0	175.0	328.0	999.0	834.0
7TH SMALLEST	215.0	285.0	183.0	153.0	175.0	331.0	1000.0	838.0
8TH SMALLEST	216.0	286.0	183.0	154.0	176.0	331.0	1000.0	840.0
9TH SMALLEST	216.0	287.0	184.0	154.0	176.0	332.0	1000.0	842.0
XTH SMALLEST	219.0	287.0	184.0	155.0	176.0	332.0	1000.0	842.0

XTH LARGEST	355.0	386.0	290.0	271.0	285.0	435.0	1341.0	1182.0
9TH LARGEST	355.0	388.0	291.0	272.0	285.0	435.0	1342.0	1186.0
8TH LARGEST	356.0	388.0	292.0	273.0	287.0	437.0	1346.0	1190.0
7TH LARGEST	356.0	388.0	294.0	276.0	288.0	437.0	1351.0	1191.0
6TH LARGEST	356.0	395.0	295.0	276.0	289.0	440.0	1352.0	1196.0
5TH LARGEST	358.0	395.0	295.0	278.0	292.0	443.0	1354.0	1196.0
4TH LARGEST	359.0	397.0	296.0	280.0	294.0	443.0	1362.0	1198.0
3RD LARGEST	361.0	401.0	300.0	293.0	295.0	444.0	1370.0	1200.0
2ND LARGEST	377.0	402.0	300.0	305.0	300.0	447.0	1378.0	1204.0
1ST LARGEST	385.0	403.0	305.0	306.0	306.0	451.0	1443.0	1234.0
THE MEAN VALUE	270.51	334.72	230.01	201.63	223.51	379.57	1149.30	584.81
STD. DEVIATION	23.18	17.57	18.68	21.55	20.43	17.97	59.22	60.42
COEFF/VARIATION	8.57	5.25	8.12	10.71	9.14	4.73	5.15	6.13
TOP**	0.22	0.17	0.14	0.30	0.19	0.16	0.30	0.15
BOT**	0.07	0.05	0.11	0.08	0.08	0.07	0.06	0.09
VETA ONE	0.62	0.24	0.37	0.60	0.33	0.26	0.36	0.36
VETA TWO	3.57	3.05	3.14	3.37	2.94	3.13	3.25	3.09
(N-20)-AVG EST	270.43	334.69	225.57	201.56	223.47	379.54	1149.15	584.66
(N-20)-S.D.EST	23.11	17.56	18.68	21.57	20.48	17.96	59.15	60.46
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	0.	0.	0.	-0.	0.	0.	-0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
STATISTICS FOR VARIABLES 49 THROUGH 56

	49		50		51		52		53		54		55		56	
	WAIST	CI	BUTTOCK	CIRCU	CE	THIGH	CI	LOWER	TH	CALF	CIR	ANKLE	CI	SCYE	CIR	AXILLARY
	RCUMF	ENCE	CIRCU	MF	ENCE	RCUMF	ENCE	IGH	CIR	CUMFER	ENCE	RCUMF	ENCE	CUMFER	ENCE	ARM
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	620.0	3771	804.0	3372	438.0	1120	332.0	176	288.0	4002	184.0	3569	341.0	46	243.0	3653
2ND SMALLEST	634.0	1915	804.0	1737	442.0	2539	338.0	1120	289.0	2725	185.0	3139	345.0	476	243.0	1641
3RD SMALLEST	634.0	1506	807.0	3250	442.0	1641	341.0	2725	295.0	2145	185.0	2745	347.0	568	243.0	255
4TH SMALLEST	635.0	1745	808.0	1915	445.0	59	344.0	59	298.0	3776	186.0	3381	355.0	104	248.0	635
5TH SMALLEST	635.0	513	811.0	3139	448.0	3250	346.0	4002	298.0	59	190.0	1737	362.0	3139	249.0	1120
6TH SMALLEST	636.0	1120	812.0	3745	451.0	1915	347.0	1833	300.0	192	190.0	292	364.0	430	250.0	2725
7TH SMALLEST	641.0	1737	813.0	3746	452.0	3139	348.0	1915	302.0	3073	191.0	1745	365.0	518	250.0	545
8TH SMALLEST	648.0	1703	813.0	59	453.0	2602	349.0	3577	302.0	1991	192.0	2665	365.0	154	251.0	3372
9TH SMALLEST	652.0	3139	816.0	3569	458.0	3653	350.0	4	302.0	1915	192.0	2026	365.0	74	251.0	2944
XTH SMALLEST	653.0	2725	818.0	2725	458.0	3569	351.0	3330	302.0	1827	192.0	275	365.0	14	251.0	2662

XTH LARGEST	1055.0	1008	1128.0	3911	694.0	3090	542.0	311	438.0	3704	266.0	704	565.0	251	395.0	111
9TH LARGEST	1060.0	2032	1132.0	933	657.0	3406	543.0	718	438.0	3937	266.0	2280	570.0	68	395.0	1119
8TH LARGEST	1062.0	2444	1135.0	2247	697.0	3819	543.0	1282	440.0	863	268.0	824	572.0	314	398.0	3323
7TH LARGEST	1072.0	2686	1135.0	3000	657.0	3882	543.0	3665	442.0	758	268.0	1097	572.0	1272	401.0	922
6TH LARGEST	1075.0	3323	1135.0	3279	698.0	2110	546.0	370	443.0	1431	271.0	3284	572.0	1511	401.0	2461
5TH LARGEST	1084.0	2527	1138.0	3323	707.0	174	548.0	639	443.0	2184	272.0	3065	575.0	152	401.0	2826
4TH LARGEST	1100.0	60	1142.0	1134	715.0	3911	551.0	2184	444.0	1134	273.0	1584	576.0	50	410.0	836
3RD LARGEST	1101.0	2110	1146.0	2184	723.0	1219	554.0	826	444.0	2137	281.0	1219	578.0	3806	410.0	3264
2ND LARGEST	1103.0	862	1178.0	2110	726.0	2184	558.0	1020	446.0	1219	281.0	1431	586.0	4071	412.0	2686
1ST LARGEST	1193.0	1219	1194.0	1219	730.0	60	565.0	174	448.0	3065	291.0	2184	588.0	88	426.0	3279
THE MEAN VALUE	812.26		959.64		568.40		439.53		365.27		225.59		459.30		317.36	
STD. DEVIATION	74.92		56.75		42.99		34.62		23.74		13.13		33.68		26.25	
COFF/VARIATION	9.22		5.91		7.56		7.88		6.50		5.82		7.33		8.27	
TOP	0.34		0.21		0.15		0.12		0.07		0.24		0.11		0.22	
BOT	0.08		0.05		0.08		0.10		0.10		0.11		0.12		0.06	
VETA ONE	0.57		0.31		0.12		0.15		0.15		0.24		0.24		0.23	
VETA TWO	3.24		2.96		2.88		2.94		3.00		3.27		3.26		2.88	
(N-20)-AVG EST	812.00		959.55		568.35		439.49		365.25		225.56		459.26		317.31	
(N-20)-S.D.-EST	74.92		56.86		43.04		34.70		23.75		13.09		33.60		26.29	
PCT DIFF/MEANS	0.		0.		0.		0.		0.		0.		0.		0.	
PCT DIF/ST DVS	0.		-0.		-0.		-0.		-0.		-0.		-0.		-0.	
SIZE OF SAMPLE	4000		4000		4000		4000		4000		4000		4000		4000	

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 57 THROUGH 64

	57	58	59	60	61	62	63	64
	BICEPS C	ELBOW CI	LOWER AR	WRIST CI	SLEEVE I	SLEEVE L	ANTERIOR	POSTERIO
	IRC-FLEXED	RC-FLEXED	M C-FLEXED	RCUMF ENCE	NSEAM	ENGLH	NECK LGTH	R NECK LTH
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	245.0 2725	250.0 2725	230.0 388	144.0 388	406.0 2570	704.0 2570	35.0 2855	40.0 3509
2ND SMALLEST	250.0 205	253.0 681	236.0 2725	147.0 3220	412.0 4025	722.0 3500	38.0 3368	46.0 3427
3RD SMALLEST	254.0 4002	254.0 498	239.0 53	148.0 3224	412.0 2107	731.0 2892	38.0 2554	48.0 2779
4TH SMALLEST	257.0 1915	257.0 725	240.0 2506	150.0 2725	416.0 2663	741.0 4025	38.0 2198	49.0 3517
5TH SMALLEST	258.0 873	258.0 906	240.0 772	150.0 1737	420.0 24	741.0 3145	40.0 3328	50.0 3508
6TH SMALLEST	258.0 255	260.0 832	240.0 5	151.0 3033	420.0 6	743.0 3193	40.0 1807	50.0 3506
7TH SMALLEST	259.0 3577	260.0 830	241.0 2366	151.0 2546	421.0 2574	743.0 779	40.0 1653	50.0 2282
8TH SMALLEST	260.0 772	261.0 3224	243.0 3224	151.0 2142	423.0 2642	746.0 3754	40.0 961	50.0 775
9TH SMALLEST	261.0 3979	261.0 2662	243.0 602	151.0 760	423.0 2610	750.0 3382	40.0 828	50.0 281
XTH SMALLEST	261.0 3569	262.0 3139	243.0 255	151.0 255	423.0 2604	750.0 282	40.0 731	50.0 120

XTH LARGEST	407.0 2939	371.0 929	345.0 2313	203.0 65	587.0 3913	962.0 1272	130.0 1291	140.0 97
9TH LARGEST	408.0 3659	371.0 1985	345.0 2350	205.0 68	589.0 658	962.0 2983	131.0 85	140.0 197
8TH LARGEST	410.0 200	372.0 1666	345.0 3065	205.0 88	590.0 2667	963.0 3223	131.0 1703	140.0 4049
7TH LARGEST	411.0 220	372.0 3639	346.0 2184	205.0 305	590.0 3155	965.0 745	131.0 3898	141.0 1511
6TH LARGEST	411.0 2461	374.0 1134	348.0 2699	205.0 2686	592.0 3048	965.0 2128	132.0 2106	144.0 23
5TH LARGEST	413.0 1134	376.0 2313	352.0 1134	206.0 2773	592.0 3999	967.0 3999	134.0 176	144.0 76
4TH LARGEST	414.0 2686	376.0 2699	352.0 2686	208.0 2857	593.0 3388	970.0 1008	134.0 204	144.0 1316
3RD LARGEST	416.0 2184	380.0 88	352.0 2773	208.0 2954	595.0 3898	971.0 2301	134.0 623	148.0 3645
2ND LARGEST	416.0 3279	380.0 952	352.0 3515	214.0 2184	598.0 1135	972.0 699	136.0 143	149.0 436
1ST LARGEST	418.0 3323	383.0 3264	356.0 3323	216.0 3693	598.0 2195	998.0 1135	137.0 254	149.0 3604
THE MEAN VALUE	324.10	310.46	291.62	173.75	502.78	853.50	86.56	92.20
STD. DEVIATION	25.60	19.27	17.94	9.06	28.39	37.64	16.14	15.37
COFF/VARIATION	7.90	6.21	6.15	5.22	5.65	4.41	18.65	16.67
••TOP••	0.08	0.11	0.11	0.25	0.07	0.17	0.08	0.10
••BOT••	0.11	0.11	0.13	0.13	0.10	0.22	0.06	0.11
VETA ONE	0.29	0.27	0.18	0.25	0.03	0.01	-0.09	0.19
VETA TWO	3.06	3.07	2.96	3.23	3.05	3.06	3.00	3.11
(N-20)-AVG EST	324.05	310.43	291.61	173.72	502.77	853.50	86.56	92.18
(N-20)-S.D.EST	25.61	19.28	17.96	9.04	28.40	37.65	16.19	15.36
PCT DIFF/MEANS	0.	0.	0.	0.	0.	-0.	-0.	0.
PCT DIF/ST DVS	-0.	-0.	-0.	0.	-0.	-0.	-0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

** AMRL DATA BANK LIBRARY -- VOLUME IV -- 1950 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
STATISTICS FOR VARIABLES 65 THROUGH 72

	65		66		67		68		69		70		71		72		
	SHOULDER	WAIST BA	WAIST FR	GLUTEAL	CROTCH L	VERTICAL	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	INTERSCY	
	LENGTH	CK	ONT	ARC	ENGT	TRUNK C.	E	E	E	E	E	E	E	E	E	E	
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	
1ST SMALLEST	122.0	352.0	285.0	228.0	523.0	1394.0	379.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	1394.0	452.0
2ND SMALLEST	124.0	362.0	294.0	233.0	527.0	1420.0	385.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	471.0
3RD SMALLEST	130.0	368.0	300.0	234.0	557.0	1422.0	389.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	1422.0	480.0
4TH SMALLEST	130.0	372.0	303.0	235.0	570.0	1440.0	390.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	480.0
5TH SMALLEST	130.0	374.0	305.0	240.0	575.0	1442.0	393.0	1442.0	1442.0	1442.0	1442.0	1442.0	1442.0	1442.0	1442.0	1442.0	480.0
6TH SMALLEST	130.0	377.0	306.0	240.0	576.0	1443.0	395.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	485.0
7TH SMALLEST	130.0	381.0	306.0	241.0	576.0	1443.0	401.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	1443.0	485.0
8TH SMALLEST	131.0	382.0	307.0	241.0	584.0	1444.0	402.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	1444.0	485.0
9TH SMALLEST	132.0	382.0	310.0	241.0	585.0	1445.0	402.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	1445.0	485.0
XTH SMALLEST	132.0	382.0	314.0	241.0	590.0	1453.0	403.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	1453.0	485.0

XTH LARGEST	213.0	523.0	472.0	350.0	863.0	1853.0	600.0	1853.0	1853.0	1853.0	1853.0	1853.0	1853.0	1853.0	1853.0	1853.0	677.0
9TH LARGEST	213.0	523.0	472.0	351.0	870.0	1854.0	600.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	678.0
8TH LARGEST	214.0	524.0	478.0	352.0	870.0	1860.0	602.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	1860.0	680.0
7TH LARGEST	214.0	525.0	480.0	356.0	870.0	1865.0	604.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	1865.0	681.0
6TH LARGEST	214.0	525.0	481.0	357.0	870.0	1870.0	605.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	1870.0	685.0
5TH LARGEST	216.0	527.0	482.0	358.0	872.0	1871.0	609.0	1871.0	1871.0	1871.0	1871.0	1871.0	1871.0	1871.0	1871.0	1871.0	686.0
4TH LARGEST	216.0	533.0	482.0	358.0	873.0	1873.0	610.0	1873.0	1873.0	1873.0	1873.0	1873.0	1873.0	1873.0	1873.0	1873.0	690.0
3RD LARGEST	216.0	535.0	482.0	362.0	873.0	1881.0	615.0	1881.0	1881.0	1881.0	1881.0	1881.0	1881.0	1881.0	1881.0	1881.0	690.0
2ND LARGEST	217.0	543.0	486.0	363.0	884.0	1886.0	616.0	1886.0	1886.0	1886.0	1886.0	1886.0	1886.0	1886.0	1886.0	1886.0	691.0
1ST LARGEST	228.0	553.0	506.0	364.0	890.0	1997.0	621.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	695.0

THE MEAN VALUE	171.74	449.72	386.47	295.47	714.98	1645.30	497.71	1645.30	1645.30	1645.30	1645.30	1645.30	1645.30	1645.30	1645.30	1645.30	578.79
STD. DEVIATION	13.70	25.68	26.59	19.89	48.40	71.78	35.07	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	71.78	33.48
COEFF/VARIATION	7.98	5.71	6.88	6.73	6.77	4.36	7.05	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	5.78
TOP	0.19	0.21	0.22	0.13	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09
BOT	0.12	0.21	0.18	0.12	0.14	0.15	0.12	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.17
VETA ONE	0.05	0.11	0.20	0.06	0.20	0.09	0.05	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10
VETA TWO	3.15	2.99	3.31	2.58	3.17	2.97	3.03	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	3.01

(N-20)-AVG EST	171.74	449.71	386.44	295.46	714.94	1645.26	497.69	1645.26	1645.26	1645.26	1645.26	1645.26	1645.26	1645.26	1645.26	1645.26	578.77
(N-20)-S.D.EST	13.68	25.68	26.46	19.92	48.39	71.85	35.09	71.85	71.85	71.85	71.85	71.85	71.85	71.85	71.85	71.85	33.49
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	0.	-0.	0.	-0.	0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 73 THROUGH 80

	73	74	75	76	77	78	79	80
	BUTTOCK CIRC/SIT.	KNEE CIR C/SITTING	FOOT LEN GTH	INSTEP L ENGLTH	FOOT BRE ADTH	HEEL BRE ADTH	BI-MALLE OLAR BR TH	MED L MA LLEOLUS HT
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	856.0 3139	323.0 1745	225.0 2107	163.0 2673	81.0 4025	54.0 600	62.0 3193	69.0 1515
2ND SMALLEST	865.0 1296	324.0 195	228.0 3193	163.0 1504	83.0 3193	55.0 638	64.0 3372	70.0 2819
3RD SMALLEST	870.0 2780	325.0 3453	228.0 2570	164.0 3193	83.0 2142	56.0 2506	64.0 594	70.0 2107
4TH SMALLEST	870.0 1641	325.0 2026	226.0 1904	165.0 2107	83.0 1788	56.0 2170	65.0 3189	72.0 3509
5TH SMALLEST	873.0 3372	328.0 3139	230.0 3382	167.0 2798	83.0 1681	56.0 1120	65.0 2752	72.0 2267
6TH SMALLEST	875.0 1915	329.0 2012	231.0 3036	168.0 2562	84.0 3186	56.0 751	65.0 2026	73.0 3492
7TH SMALLEST	875.0 304	330.0 3569	232.0 4025	168.0 600	84.0 1461	57.0 1473	65.0 1869	73.0 2421
8TH SMALLEST	880.0 1737	330.0 3372	233.0 2467	169.0 3382	84.0 775	57.0 1156	65.0 1695	73.0 2416
9TH SMALLEST	883.0 59	335.0 3125	234.0 2673	169.0 2570	84.0 292	57.0 784	65.0 1518	73.0 1516
XTH SMALLEST	890.0 1745	335.0 1649	234.0 1255	170.0 1372	84.0 237	57.0 732	65.0 931	73.0 1475

XTH LARGEST	1278.0 3328	460.0 3289	300.0 3361	219.0 3361	110.0 1093	78.0 903	86.0 2184	103.0 3243
9TH LARGEST	1283.0 1134	464.0 2773	301.0 2966	219.0 3597	110.0 1177	78.0 1114	86.0 2259	103.0 3483
8TH LARGEST	1285.0 929	465.0 3279	301.0 3288	221.0 2017	110.0 1234	78.0 3320	86.0 2301	104.0 3040
7TH LARGEST	1286.0 2444	466.0 2433	302.0 4046	222.0 1135	110.0 1268	78.0 3617	86.0 2481	104.0 3419
6TH LARGEST	1291.0 174	466.0 3769	303.0 2017	224.0 4046	111.0 40	79.0 1135	87.0 1390	105.0 1584
5TH LARGEST	1298.0 2110	467.0 2008	304.0 189	225.0 1696	111.0 3375	79.0 3284	87.0 2336	105.0 2038
4TH LARGEST	1300.0 3130	469.0 200	306.0 3923	225.0 2280	112.0 2596	80.0 194	87.0 3288	105.0 2247
3RD LARGEST	1300.0 3819	471.0 2247	308.0 1656	225.0 2699	114.0 109	80.0 1229	87.0 3982	105.0 2259
2ND LARGEST	1322.0 2184	471.0 3000	308.0 2699	225.0 3288	114.0 3284	82.0 200	88.0 1134	108.0 2687
1ST LARGEST	1335.0 1219	478.0 3806	311.0 1135	225.0 3923	116.0 2184	83.0 4004	88.0 1213	109.0 3720
THE MEAN VALUE	1058.80	390.49	266.78	193.95	96.50	66.94	74.88	87.79
STD. DEVIATION	70.06	22.55	11.47	8.57	4.72	3.74	3.78	5.27
COEFF. OF VARIATION	6.62	5.77	4.30	4.42	4.89	5.59	5.05	6.00
TOP	0.15	0.14	0.17	0.23	0.23	0.24	0.10	0.20
BOTTOM	0.09	0.10	0.14	0.14	0.12	0.14	0.14	0.13
WETA ONE	0.38	0.30	0.04	0.02	0.14	0.13	0.12	0.07
WETA TWO	3.13	3.08	3.13	3.13	3.01	3.06	2.97	3.08
(N=20)-AVG EST	1058.67	390.45	266.77	193.95	96.50	66.94	74.87	87.78
(N=20)-S.D. EST	70.12	22.55	11.45	8.54	4.72	3.74	3.79	5.26
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	0.	-0.	0.	-0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
STATISTICS FOR VARIABLES 81 THROUGH 88

	81		82		83		84		85		86		87		88	
	LAT L	MA	BALL OF	FOOT CIRC.	HAND LEN	GTH	PALM LEN	GTH	ADTH/THUMB	HAND BRE	ETACARPALE	HAND B/M	S-META III	THICKNES	IST-PHAL	ANX 3 LGTH
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	51.0	3079	205.0	2705	149.0	3193	86.0	3193	85.0	2729	76.0	3193	24.0	2920	56.0	3193
2ND SMALLEST	53.0	3968	207.0	3193	161.0	3036	87.0	3036	87.0	2656	76.0	2729	24.0	2652	57.0	2570
3RD SMALLEST	54.0	3711	208.0	3992	161.0	2663	90.0	2663	87.0	2137	76.0	2562	24.0	2492	57.0	2107
4TH SMALLEST	54.0	3645	208.0	2474	161.0	2107	90.0	2570	88.0	3193	77.0	722	24.0	182	59.0	3644
5TH SMALLEST	54.0	2380	210.0	275	163.0	3500	91.0	3382	88.0	388	77.0	670	24.0	102	55.0	3500
6TH SMALLEST	54.0	2260	210.0	193	164.0	321	92.0	4025	89.0	2673	77.0	388	24.0	14	59.0	3139
7TH SMALLEST	54.0	606	211.0	105	165.0	4025	92.0	3522	89.0	2570	77.0	237	25.0	323	59.0	2067
8TH SMALLEST	55.0	2743	212.0	2752	165.0	3382	92.0	2026	89.0	2488	77.0	94	25.0	255	59.0	1745
9TH SMALLEST	55.0	2220	213.0	2358	165.0	2570	54.0	3074	89.0	2260	78.0	1324	25.0	175	60.0	2441
XTH SMALLEST	55.0	2189	213.0	2190	167.0	1622	94.0	2610	89.0	1664	78.0	892	25.0	145	60.0	2358

XTH LARGEST	88.0	310	279.0	3084	214.0	3718	123.0	1128	119.0	136	100.0	562	35.0	220	76.0	2667
9TH LARGEST	88.0	1532	280.0	1985	214.0	3982	123.0	1162	119.0	1268	100.0	2184	35.0	244	76.0	2699
8TH LARGEST	88.0	2687	280.0	2850	215.0	3144	124.0	83	119.0	2301	100.0	2699	35.0	264	77.0	1162
7TH LARGEST	88.0	2786	281.0	2983	215.0	3923	124.0	313	119.0	2699	101.0	758	35.0	373	77.0	2481
6TH LARGEST	89.0	556	284.0	929	216.0	189	124.0	624	120.0	1105	101.0	1282	35.0	422	77.0	2596
5TH LARGEST	90.0	228	288.0	306	216.0	828	124.0	1119	120.0	1264	101.0	2828	35.0	826	77.0	2607
4TH LARGEST	90.0	559	290.0	109	216.0	2744	125.0	1006	120.0	2773	101.0	2996	35.0	964	77.0	3718
3RD LARGEST	90.0	947	290.0	200	216.0	3288	125.0	1072	121.0	941	101.0	3606	35.0	2436	77.0	3923
2ND LARGEST	90.0	1807	293.0	2184	218.0	1799	126.0	1135	121.0	947	102.0	941	36.0	947	78.0	1799
1ST LARGEST	90.0	3720	293.0	2336	222.0	1162	126.0	1607	121.0	963	102.0	2301	36.0	965	78.0	2151
THE MEAN VALUE	69.41		244.50		190.20		107.73		103.51		88.32		29.67		67.79	
STC. DEVIATION	5.60		11.96		8.54		5.41		5.33		4.08		1.74		2.96	
COEFF/VARIATION	8.07		4.89		4.49		5.02		5.14		4.62		5.87		4.36	
TOP	0.06		0.21		0.17		0.10		0.07		0.09		0.10		0.13	
BOT	0.12		0.12		0.38		0.28		0.13		0.09		0.10		0.25	
VETA ONE	0.20		0.12		0.04		0.08		0.07		0.10		0.07		0.05	
VETA TWO	3.20		3.10		3.02		2.95		2.95		2.85		3.44		3.12	
(N-20)-AVG EST	69.40		244.48		190.21		107.73		103.51		88.32		29.67		67.79	
(N-20)-S.D. EST	5.59		11.94		8.52		5.40		5.33		4.09		1.74		2.95	
PCT DIFF/MEANS	0.		0.		-0.		-0.		0.		0.		0.		-0.	
PCT DIF/ST DVS	0.		0.		0.		0.		-0.		-0.		0.		0.	
SIZE OF SAMPLE	4000		4000		4000		4000		4000		4000		4000		4000	

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 89 THROUGH 96

	89	90	91	92	93	94	95	96
	FINGER D	GRIP DIA	GRIP DIA	FIST CIR	HEAD LEN	HEAD BRE	MIN FROM	MAX FROM
	1AMETER	M R INSIDE	M. OUTSIDE	CUMFERENCE	GTH	ADTH	TAL DIAM R	TAL DIAM R
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	19.0 595	34.0 2107	80.0 2570	250.0 1684	175.0 2097	136.0 141	93.0 141	102.0 1120
2ND SMALLEST	19.0 577	38.0 905	80.0 2107	251.0 2520	176.0 304	137.0 2361	93.0 126	103.0 192
3RD SMALLEST	19.0 534	38.0 892	82.0 355	251.0 2662	177.0 3006	138.0 1409	96	104.0 141
4TH SMALLEST	19.0 512	38.0 862	83.0 2757	252.0 2185	177.0 506	138.0 5	94.0 5	105.0 1469
5TH SMALLEST	19.0 486	38.0 841	84.0 276	252.0 1742	178.0 2642	139.0 851	94.0 8	105.0 323
6TH SMALLEST	19.0 403	38.0 711	85.0 3193	253.0 1520	178.0 2470	139.0 204	95.0 192	105.0 126
7TH SMALLEST	19.0 255	38.0 503	85.0 1173	254.0 3193	178.0 2189	140.0 2454	95.0 185	106.0 648
8TH SMALLEST	19.0 148	38.0 395	85.0 563	254.0 2358	178.0 347	140.0 2143	96.0 236	106.0 467
9TH SMALLEST	19.0 94	38.0 321	87.0 3463	255.0 2019	179.0 1506	140.0 605	96.0 144	106.0 202
XTH SMALLEST	19.0 38	38.0 276	88.0 2745	256.0 2648	180.0 1469	140.0 484	96.0 98	106.0 185

XTH LARGEST	25.0 165	57.0 1596	119.0 1399	331.0 2831	214.0 1583	170.0 1249	124.0 2882	135.0 1119
9TH LARGEST	25.0 189	57.0 1629	119.0 1651	331.0 2955	215.0 867	170.0 2244	125.0 1563	135.0 1268
8TH LARGEST	25.0 220	60.0 1251	115.0 2184	332.0 541	215.0 2405	170.0 2826	125.0 2433	135.0 3004
7TH LARGEST	25.0 245	60.0 2071	115.0 2822	332.0 2313	215.0 3005	170.0 3004	125.0 3004	135.0 3103
6TH LARGEST	25.0 344	60.0 2657	120.0 3718	332.0 3982	215.0 3504	171.0 420	125.0 3103	135.0 3130
5TH LARGEST	25.0 901	60.0 2667	120.0 3923	333.0 79	215.0 3921	171.0 2340	125.0 3130	136.0 2009
4TH LARGEST	25.0 963	60.0 3783	120.0 3982	334.0 529	216.0 240	171.0 2753	125.0 3504	137.0 1582
3RD LARGEST	25.0 970	60.0 3982	121.0 684	334.0 2790	218.0 253	171.0 3091	126.0 3279	137.0 2882
2ND LARGEST	25.0 1010	63.0 3718	121.0 3783	341.0 684	220.0 2651	171.0 3422	127.0 1119	137.0 3279
1ST LARGEST	25.0 1184	66.0 2744	129.0 2744	341.0 2184	223.0 3924	172.0 3242	131.0 2527	139.0 2527
THE MEAN VALUE	21.30	47.55	103.65	293.19	197.05	154.07	110.58	119.65
STD. DEVIATION	1.21	3.26	5.56	13.61	6.41	5.13	4.89	4.99
COEFF. VARIATION	5.68	6.86	5.36	4.64	3.25	3.33	4.43	4.17
***TOP**	0.0	0.47	0.32	0.13	0.26	0.07	0.25	0.14
***BOT**	0.0	0.21	0.26	0.08	0.15	0.13	0.11	0.14
VEGA ONE	-0.10	0.11	-0.14	0.05	0.02	0.14	-0.01	0.15
VEGA TWO	1.95	3.71	3.30	2.85	2.95	3.05	3.12	3.18
(N-20)-AVG EST	21.30	47.55	103.66	293.19	197.05	154.07	110.58	119.64
(N-20)-S.D. EST	1.22	3.24	5.54	13.64	6.41	5.13	4.89	4.99
PCT DIFF/MEANS	0.	0.	-0.	0.	0.	0.	-0.	0.
PCT DIF/ST DVS	-1.	1.	0.	-0.	-0.	0.	0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 57 THROUGH 104

	97	98	99	100	101	102	103	104
	BIZYGOMA TIC DIAM R VALUE SBJCT	BIGONIAL DIAMETER VALUE SBJCT	BITRAGIO N DIAMETER VALUE SBJCT	INTEROCU LAR DIAM R VALUE SBJCT	BIOCULAR DIAMETER VALUE SBJCT	INTERPUP ILLARY DIS VALUE SBJCT	NOSE LEN GTH VALUE SBJCT	NOSE BRE ADTH VALUE SBJCT
1ST SMALLEST	124.0 1789	91.0 2196	122.0 204	22.0 5	81.0 3136	51.0 543	40.0 321	24.0 3239
2ND SMALLEST	124.0 204	91.0 1425	123.0 2143	24.0 3586	81.0 214	52.0 2437	40.0 111	24.0 2884
3RD SMALLEST	126.0 4025	91.0 174	123.0 1776	24.0 2243	83.0 3894	54.0 3729	41.0 3243	25.0 1933
4TH SMALLEST	126.0 2573	92.0 1866	125.0 2756	24.0 1917	83.0 3646	54.0 3664	41.0 2806	25.0 1894
5TH SMALLEST	126.0 1966	92.0 102	125.0 2573	25.0 1180	83.0 3139	54.0 3514	41.0 2111	26.0 2798
6TH SMALLEST	126.0 236	93.0 3963	125.0 2285	25.0 1176	83.0 2615	54.0 3356	41.0 1823	26.0 1436
7TH SMALLEST	126.0 36	93.0 466	126.0 1789	25.0 1141	84.0 3453	54.0 2285	41.0 1620	26.0 1120
8TH SMALLEST	126.0 31	93.0 442	126.0 1522	25.0 1089	84.0 3070	54.0 2261	41.0 1548	26.0 524
9TH SMALLEST	127.0 2143	93.0 4	126.0 495	25.0 792	84.0 2848	54.0 1842	41.0 1424	26.0 104
XTH SMALLEST	127.0 87	94.0 1409	126.0 393	25.0 487	84.0 2170	54.0 779	41.0 603	27.0 1638

XTH LARGEST	155.0 2250	125.0 2385	157.0 844	39.0 69	108.0 987	74.0 743	61.0 773	41.0 1037
9TH LARGEST	155.0 2826	126.0 130	157.0 1391	39.0 229	109.0 17	74.0 773	61.0 1800	41.0 1131
8TH LARGEST	156.0 1135	126.0 2038	157.0 2637	39.0 597	109.0 917	74.0 813	61.0 2127	41.0 1810
7TH LARGEST	156.0 1835	126.0 2345	157.0 3064	39.0 658	109.0 1119	74.0 993	61.0 2207	42.0 9
6TH LARGEST	156.0 2386	127.0 200	158.0 3171	39.0 697	109.0 1184	74.0 1024	61.0 3117	42.0 625
5TH LARGEST	156.0 2557	127.0 2346	159.0 828	39.0 700	109.0 1489	75.0 2405	62.0 1135	42.0 1184
4TH LARGEST	156.0 3091	127.0 2386	159.0 1184	40.0 578	109.0 2433	75.0 2601	62.0 1985	43.0 499
3RD LARGEST	156.0 3162	127.0 3184	159.0 3556	40.0 1233	109.0 2557	76.0 899	62.0 2189	43.0 1617
2ND LARGEST	157.0 2753	127.0 3995	160.0 704	40.0 1360	110.0 180	76.0 1008	63.0 3394	43.0 2084
1ST LARGEST	157.0 3279	128.0 2606	160.0 1135	40.0 3148	113.0 86	76.0 1054	64.0 3226	46.0 1409
THE MEAN VALUE	140.89	108.57	142.18	31.71	95.86	63.26	50.94	33.33
STD. DEVIATION	4.99	5.48	5.27	2.54	4.39	3.61	3.43	2.56
COFF/VARIATION	3.54	5.05	3.71	8.02	4.58	5.70	6.73	7.68
TOP	0.07	0.10	0.10	0.07	0.21	0.10	0.15	0.36
BOT	0.11	0.10	0.13	0.21	0.13	0.15	0.05	0.21
VETA ONE	0.07	0.10	0.01	0.19	0.01	0.22	0.08	0.16
VETA TWO	3.06	3.09	3.23	3.00	2.90	2.89	2.95	3.21
(N-20)-AVG EST	140.89	108.57	142.18	31.71	95.85	63.26	50.94	33.33
(N-20)-S.D.-EST	4.99	5.48	5.26	2.55	4.39	3.61	3.43	2.55
PCT DIFF/MEANS	0.	0.	-0.	0.	0.	0.	0.	0.
PCT DIF/ST DVS	-0.	0.	0.	-0.	-0.	-0.	-0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
STATISTICS FOR VARIABLES 105 THROUGH 112

	105	106	107	108	109	110	111	112
	NASAL RO OT BREATH	NOSE PRO TRUSION	PHILTRUM LENGTH	MENTON-S UBNASALE	MENTON-C RINION LTH	LIP-LIP DISTANCE	LIP LENG TH	EAR LENG TH
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	9.0 3645	11.0 2451	9.0 3475	46.0 3521	157.0 47	4.0 2452	38.0 1460	47.0 774
2ND SMALLEST	9.0 3562	12.0 791	9.0 1416	46.0 1117	158.0 1117	5.0 2552	39.0 4025	49.0 3580
3RD SMALLEST	9.0 3382	13.0 231	5.0 1117	47.0 2812	159.0 1318	5.0 2282	40.0 3420	49.0 1425
4TH SMALLEST	9.0 3106	13.0 175	10.0 2568	49.0 3183	159.0 506	6.0 3578	40.0 2688	49.0 255
5TH SMALLEST	10.0 2767	13.0 164	10.0 2561	49.0 3111	160.0 2220	6.0 1029	40.0 1035	50.0 3587
6TH SMALLEST	10.0 2353	14.0 3413	10.0 1606	49.0 2880	161.0 3183	7.0 2728	40.0 513	50.0 3040
7TH SMALLEST	10.0 2295	14.0 124	11.0 2316	49.0 2324	162.0 1425	7.0 2684	41.0 2874	50.0 2658
8TH SMALLEST	10.0 2217	15.0 302	11.0 1545	49.0 1581	163.0 2022	7.0 2625	41.0 1684	50.0 2620
9TH SMALLEST	10.0 2145	15.0 260	11.0 1931	49.0 1419	164.0 1492	7.0 2208	41.0 1491	50.0 1318
XTH SMALLEST	10.0 1681	15.0 246	11.0 1851	49.0 1156	164.0 1172	7.0 967	41.0 884	51.0 2624

XTH LARGEST	22.0 77	32.0 1857	28.0 685	86.0 2103	212.0 828	25.0 302	62.0 844	75.0 206
9TH LARGEST	22.0 349	32.0 2281	28.0 903	86.0 2172	212.0 1148	25.0 1361	62.0 948	75.0 232
8TH LARGEST	22.0 734	32.0 2786	28.0 1146	86.0 2773	212.0 1996	25.0 1487	62.0 2206	75.0 273
7TH LARGEST	22.0 774	32.0 3394	28.0 1148	86.0 3683	213.0 1985	25.0 1501	63.0 1225	75.0 2034
6TH LARGEST	22.0 818	33.0 2538	26.0 1204	87.0 1290	213.0 3723	25.0 1587	63.0 2199	76.0 364
5TH LARGEST	22.0 917	33.0 2774	25.0 983	87.0 1517	214.0 1214	26.0 1148	64.0 12	76.0 1224
4TH LARGEST	22.0 1418	34.0 3178	25.0 1557	88.0 1807	214.0 2095	26.0 3306	65.0 167	76.0 2184
3RD LARGEST	23.0 576	34.0 3437	29.0 2218	88.0 3212	215.0 1374	27.0 1617	65.0 2301	76.0 3937
2ND LARGEST	23.0 658	34.0 3702	29.0 3004	89.0 2102	215.0 2172	28.0 1408	65.0 3504	78.0 2392
1ST LARGEST	23.0 690	34.0 3832	31.0 2168	89.0 3011	217.0 1451	28.0 1409	67.0 2255	80.0 2440
THE MEAN VALUE	15.55	22.72	19.40	66.65	186.82	16.15	51.56	62.71
STC. DEVIATION	2.11	2.84	3.37	6.86	8.99	3.06	3.55	4.06
COFF./VARIATION	13.58	12.48	17.38	10.30	4.81	18.93	6.89	6.47
••TOP••	0.08	0.12	0.18	0.08	0.10	0.17	0.24	0.21
••BOT••	0.08	0.24	0.12	0.08	0.15	0.17	0.14	0.17
VETA ONE	0.05	0.10	-0.03	0.11	0.05	-0.02	0.16	0.07
VETA TWO	3.04	3.30	2.64	2.71	2.93	3.16	3.22	3.24
(N-20)-AVG EST	15.54	22.71	19.40	66.65	186.82	16.15	51.55	62.71
(N-20)-S.D.EST	2.11	2.82	3.39	6.85	9.01	3.05	3.54	4.04
PCT DIFF/MEANS	0.	0.	-0.	0.	0.	-0.	0.	0.
PCT DIF/ST DVS	-0.	1.	-1.	-0.	-0.	0.	0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	3437	4000	4000	4000

09/09/76 ** AMRL OATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
STATISTICS FOR VARIABLES 113 THROUGH 120

	113	114	115	116	117	118	119	120
	EAR BREA DTH	EAR LTH ABOVE TRAG	EAR PRCT RUSION	HEAD HEI GHT	MENTON P ROJECTION	EXT L CA NTHUS-WALL	NASAL RO OT TO WALL	TRAGON TO WALL
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	28.0 2620	20.0 2620	11.0 2678	104.0 1949	25.0 3645	140.0 1515	166.0 1187	78.0 235
2ND SMALLEST	28.0 2131	20.0 2002	12.0 4073	105.0 3831	25.0 2960	141.0 304	166.0 529	78.0 91
3RD SMALLEST	28.0 1433	20.0 774	12.0 3857	105.0 1557	27.0 3263	142.0 407	169.0 222	75.0 1515
4TH SMALLEST	29.0 2227	21.0 2140	12.0 2112	105.0 1332	27.0 3251	145.0 205	170.0 1527	80.0 1147
5TH SMALLEST	29.0 2122	21.0 304	12.0 2080	107.0 1480	27.0 3041	145.0 81	171.0 3416	80.0 606
6TH SMALLEST	29.0 2115	22.0 2001	12.0 1819	108.0 2050	28.0 3675	146.0 707	171.0 1871	80.0 520
7TH SMALLEST	29.0 2055	22.0 1962	12.0 1730	108.0 1484	28.0 3665	146.0 515	171.0 1186	81.0 1277
8TH SMALLEST	29.0 1896	22.0 1660	12.0 1514	108.0 1184	28.0 929	146.0 446	172.0 1353	82.0 1172
9TH SMALLEST	29.0 1724	22.0 1611	13.0 2050	108.0 1165	28.0 607	146.0 342	172.0 54	82.0 304
XTH SMALLEST	29.0 1604	22.0 1065	13.0 1118	108.0 1141	29.0 560	147.0 2331	173.0 1442	82.0 198

XTH LARGEST	44.0 978	38.0 50	34.0 10C3	150.0 2288	67.0 1165	194.0 470	221.0 599	125.0 109
9TH LARGEST	44.0 1088	38.0 51	34.0 2230	150.0 2651	67.0 1272	194.0 2172	221.0 3570	125.0 253
8TH LARGEST	44.0 1135	38.0 76	34.0 2533	150.0 2753	67.0 1870	195.0 37	222.0 69	125.0 1988
7TH LARGEST	44.0 1141	38.0 943	34.0 2830	151.0 2433	67.0 2538	195.0 2788	222.0 2824	125.0 2999
6TH LARGEST	45.0 51	38.0 2987	34.0 3668	151.0 2826	68.0 1224	196.0 3914	223.0 49	126.0 2720
5TH LARGEST	45.0 2032	39.0 232	34.0 3654	152.0 2004	69.0 1985	198.0 2107	223.0 3699	126.0 3619
4TH LARGEST	45.0 2360	39.0 812	35.0 2591	153.0 79	69.0 2416	198.0 2461	224.0 45	127.0 142
3RD LARGEST	45.0 2596	39.0 2832	35.0 2702	154.0 448	69.0 2835	199.0 30	224.0 338	127.0 147
2ND LARGEST	46.0 249	39.0 3812	37.0 3921	154.0 1557	70.0 2465	199.0 786	225.0 2993	127.0 3831
1ST LARGEST	46.0 1184	41.0 273	39.0 1886	155.0 3081	72.0 3379	201.0 338	227.0 837	131.0 45
THE MEAN VALUE	36.59	29.72	21.46	129.70	47.64	172.11	196.88	102.32
STC. DEVIATION	2.69	2.77	3.63	7.48	6.60	7.92	8.62	7.46
COFF/VARIATION	7.35	9.33	16.91	5.77	13.85	4.60	4.38	7.29
TOP	0.13	0.19	0.24	0.12	0.13	0.15	0.13	0.14
BOT	0.07	0.13	0.10	0.10	0.11	0.15	0.15	0.09
VETA ONE	0.05	-0.01	0.43	-0.08	0.09	-0.10	0.01	0.08
VETA TWO	2.93	3.00	3.37	2.98	3.06	3.28	2.94	3.06
(N-20)-AVG EST	36.59	29.72	21.45	129.71	47.64	172.12	196.88	102.32
(N-20)-S.D. EST	2.69	2.77	3.62	7.49	6.59	7.89	8.62	7.46
PCT DIFF/MEANS	0.	0.	0.	-0.	0.	-0.	-0.	0.
PCT DIF/ST OVS	-0.	0.	0.	-0.	0.	0.	-0.	-0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 121 THROUGH 128

	121	122	123	124	125	126	127	128
	LARYNX T O WALL	HEAD CIR CONFERENCE	SAGITTAL ARC	8ITRAG-C ORONAL ARC	MINIMUM FR TAL ARC	BIT-MIN- FR TAL ARC	8ITRAG-C RINION ARC	8ITRAG-M ENTON ARC
	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	137.0 1425	518.0 2143	330.0 2130	313.0 2242	101.0 398	270.0 1740	285.0 1469	280.0 1737
2ND SMALLEST	138.0 1515	520.0 347	330.0 495	315.0 3960	103.0 185	270.0 1469	285.0 1172	282.0 1460
3RD SMALLEST	138.0 1355	521.0 1469	330.0 94	315.0 204	105.0 144	272.0 958	290.0 59	282.0 89
4TH SMALLEST	139.0 3547	522.0 2642	330.0 36	316.0 3718	107.0 327	273.0 2217	292.0 2454	284.0 3629
5TH SMALLEST	141.0 3965	522.0 2615	331.0 261	316.0 621	108.0 326	273.0 59	292.0 1340	285.0 3041
6TH SMALLEST	141.0 1368	522.0 90	334.0 18	316.0 500	109.0 401	274.0 3763	294.0 14	285.0 760
7TH SMALLEST	141.0 1190	525.0 2650	335.0 436	318.0 2707	109.0 393	274.0 2454	295.0 226	286.0 1776
8TH SMALLEST	142.0 1871	525.0 1740	335.0 204	319.0 2711	109.0 322	275.0 2285	296.0 152	287.0 2358
9TH SMALLEST	142.0 1342	526.0 3143	335.0 126	319.0 1804	109.0 126	275.0 1907	296.0 101	287.0 96
XTH SMALLEST	143.0 1369	526.0 1005	335.0 90	319.0 1763	110.0 205	275.0 1824	297.0 1460	288.0 2143

XTH LARGEST	208.0 3545	612.0 2635	423.0 1465	389.0 1031	160.0 711	335.0 658	365.0 2681	360.0 2557
9TH LARGEST	209.0 73	614.0 156	423.0 3434	390.0 250	161.0 2374	335.0 2826	367.0 1186	360.0 2826
8TH LARGEST	210.0 2623	614.0 2335	425.0 2021	390.0 786	161.0 3279	335.0 2857	368.0 1728	360.0 2828
7TH LARGEST	210.0 2801	614.0 2388	425.0 2511	390.0 856	162.0 827	335.0 2987	368.0 2315	360.0 2857
6TH LARGEST	210.0 2838	615.0 1583	425.0 2913	390.0 1888	163.0 1008	335.0 3279	368.0 2433	360.0 2561
5TH LARGEST	211.0 3741	615.0 2405	425.0 3004	390.0 2049	165.0 734	335.0 3284	370.0 2634	360.0 3504
4TH LARGEST	213.0 3699	615.0 3657	426.0 3320	390.0 2259	165.0 747	336.0 1998	370.0 2826	365.0 1596
3RD LARGEST	214.0 1054	619.0 2826	428.0 1511	390.0 3097	165.0 899	337.0 2557	370.0 3835	365.0 2773
2ND LARGEST	215.0 2817	622.0 1835	428.0 3166	392.0 2826	170.0 1119	340.0 1835	371.0 1985	365.0 4046
1ST LARGEST	217.0 3971	625.0 3921	433.0 3230	353.0 2753	170.0 1184	340.0 2551	372.0 3556	375.0 3279
THE MEAN VALUE	176.53	570.28	381.11	350.46	136.67	304.84	331.26	323.29
STD. DEVIATION	11.81	15.34	15.18	12.40	9.65	10.49	12.87	12.34
COFF/VARIATION	6.69	2.69	3.98	3.54	7.06	3.44	3.89	3.82
TOP	0.14	0.15	0.11	0.06	0.20	0.08	0.10	0.21
80T	0.09	0.09	0.06	0.09	0.18	0.08	0.18	0.11
VETA ONE	-0.07	0.03	-0.06	0.15	-0.05	0.02	0.00	0.06
VETA TWO	2.96	2.96	3.02	2.58	2.93	2.93	2.86	3.13
(N-20)-AVG EST	176.53	570.28	381.12	350.44	136.68	304.84	331.27	323.28
(N-20)-S.D. EST	11.82	15.35	15.19	12.42	9.67	10.50	12.89	12.32
PCT DIFF/MEANS	-0.	-0.	-0.	0.	-0.	-0.	-0.	0.
PCT DIFF/ST DVS	-0.	-0.	-0.	-0.	-0.	-0.	-0.	0.
SIZE OF SAMPLE	4000	4000	4000	4000	4000	4000	4000	4000

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 129 THROUGH 136

	129		130		131		132		133		134		135		136	
	BIT-SUBM	ANDIBULAR	8IT-SUBN	ASALE ARC	POSTERIO	R ARC	8ITRAG-1	NION ARC	AGE	VALUE	SBJCT	NDGMRPHY	ESOMORPHY	ESOMORPHY	S TYPE-E	S TYPE-E
	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
1ST SMALLEST	245.0	1776	256.0	3139	230.0	3372	250.0	3089	185.0	3066	10.0	2622	20.0	3503	10.0	266
2ND SMALLEST	255.0	2688	258.0	2944	235.0	2170	255.0	3143	195.0	2144	10.0	2337	20.0	3350	10.0	262
3RD SMALLEST	260.0	2143	260.0	4025	235.0	255	257.0	3013	195.0	420	10.0	2171	20.0	3048	10.0	226
4TH SMALLEST	260.0	1737	260.0	3775	240.0	2524	257.0	2464	195.0	400	10.0	1579	20.0	2145	10.0	214
5TH SMALLEST	260.0	1460	260.0	3041	240.0	2214	257.0	1715	195.0	388	10.0	1915	20.0	1991	10.0	200
6TH SMALLEST	261.0	2013	260.0	2688	240.0	2143	258.0	2214	195.0	370	10.0	1120	20.0	1840	10.0	180
7TH SMALLEST	262.0	513	260.0	2143	240.0	2046	260.0	2780	195.0	362	10.0	983	20.0	1120	10.0	147
8TH SMALLEST	265.0	3447	260.0	1776	240.0	1776	260.0	2138	195.0	236	10.0	966	20.0	57	10.0	69
9TH SMALLEST	265.0	1359	260.0	896	240.0	1603	260.0	2067	195.0	89	10.0	499	20.0	85	10.0	21
XTH SMALLEST	266.0	3250	260.0	89	240.0	1375	260.0	1962	195.0	41	10.0	226	20.0	4	10.0	13

XTH LARGEST	353.0	2781	322.0	1268	307.0	1194	335.0	159	435.0	263	60.0	79	65.0	588	60.0	233
9TH LARGEST	354.0	1219	322.0	2275	308.0	1431	335.0	240	435.0	994	60.0	174	65.0	1247	60.0	449
8TH LARGEST	354.0	2990	322.0	2301	305.0	130	335.0	450	435.0	1131	60.0	305	70.0	226	60.0	884
7TH LARGEST	355.0	2116	323.0	3865	310.0	450	335.0	3090	435.0	1133	60.0	595	70.0	2073	60.0	1648
6TH LARGEST	355.0	2463	323.0	4046	310.0	549	336.0	115	435.0	3367	60.0	677	70.0	3065	65.0	4
5TH LARGEST	355.0	2828	325.0	200	310.0	970	337.0	1388	445.0	1127	60.0	961	70.0	3427	65.0	1717
4TH LARGEST	355.0	2857	328.0	2557	310.0	2440	339.0	326	445.0	1137	60.0	1072	70.0	3500	65.0	2852
3RD LARGEST	355.0	3162	328.0	3279	315.0	240	340.0	481	455.0	395	60.0	1219	70.0	3515	70.0	1120
2ND LARGEST	361.0	3912	328.0	3818	315.0	391	340.0	2440	455.0	3921	60.0	1381	70.0	3553	70.0	1991
1ST LARGEST	377.0	3279	330.0	2857	318.0	1184	340.0	3921	545.0	3696	60.0	1718	70.0	3935	70.0	3048
THE MEAN VALUE	306.20		289.85		270.86		293.71		278.93		34.69		45.07		29.59	
STD. DEVIATION	15.39		10.69		11.70		13.44		42.16		9.12		7.51		10.50	
COEFF./VARIATION	5.03		3.69		4.32		4.57		15.12		26.30		16.66		35.48	
TOTOP**	0.28		0.13		0.16		0.07		0.46		0.0		0.11		0.20	
TOTOT**	0.24		0.06		0.15		0.13		0.04		0.0		0.0		0.0	
VETA ONE	0.18		0.08		0.21		0.27		0.40		-0.10		-0.09		0.40	
VETA TWO	3.13		3.00		3.17		2.93		3.39		2.80		3.15		2.84	
(N-20)-AVG EST	306.19		289.83		270.84		293.69		278.71		34.09		45.07		29.55	
(N-20)-S.O.EST	15.37		10.69		11.69		13.46		42.04		9.18		7.48		10.56	
PCT DIFF/MEANS	0.		0.		0.		0.		1.		0.		-0.		0.	
PCT OIF/ST DVS	0.		-0.		0.		-0.		0.		-1.		0.		-1.	
SIZE OF SAMPLE	4000		4000		4000		4000		4000		3688		3888		3888	

09/09/76 ** AMRL DATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

STATISTICS FOR VARIABLES 137 THROUGH 144

	137	138	139	140	141	142	143	144
	S TYPE-G	S TYPE-O	S TYPE-T	HOOTGN-E	HOOTON-M	HOOTON-E	HOOTON-G	HOOTON-D
	YNANDROM Y	YSPLASIA	COMPONENT	NDGMORPHY	ESOMORPHY	CTOMORPHY	YNANDROM Y	YSPLASIA-T
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	10.0 101	10.0 66	14.0 3720	10.0 3653	10.0 3503	10.0 2110	10.0 1279	15.0 2859
2ND SMALLEST	10.0 100	10.0 65	14.0 3350	10.0 1120	10.0 3446	10.0 2081	10.0 1219	15.0 2852
3RD SMALLEST	10.0 78	10.0 54	14.0 2752	20.0 673	10.0 3350	10.0 1381	10.0 1214	15.0 2156
4TH SMALLEST	10.0 73	10.0 37	14.0 2184	20.0 607	10.0 3048	10.0 1219	10.0 937	15.0 1968
5TH SMALLEST	10.0 59	10.0 32	14.0 1840	20.0 449	10.0 2783	10.0 961	10.0 660	15.0 1297
6TH SMALLEST	10.0 46	10.0 30	14.0 1405	20.0 323	10.0 2285	10.0 916	10.0 578	15.0 1219
7TH SMALLEST	10.0 37	10.0 22	14.0 1008	20.0 265	10.0 1989	10.0 914	10.0 541	15.0 1066
8TH SMALLEST	10.0 34	10.0 21	14.0 79	20.0 255	10.0 1405	10.0 677	10.0 84	15.0 747
9TH SMALLEST	10.0 10	10.0 9	14.0 3	20.0 176	10.0 1375	10.0 567	10.0 105	15.0 457
XTH SMALLEST	10.0 20	10.0 13	15.0 366	20.0 157	10.0 4	10.0 305	10.0 348	15.0 165

XTH LARGEST	50.0 557	60.0 1632	30.0 20	60.0 437	60.0 226	60.0 207	30.0 521	115.0 2402
9TH LARGEST	50.0 595	70.0 171	30.0 25	60.0 578	60.0 499	60.0 448	40.0 136	120.0 269
8TH LARGEST	50.0 677	70.0 2178	30.0 32	60.0 677	60.0 1421	60.0 449	40.0 349	120.0 348
7TH LARGEST	50.0 1000	70.0 2236	30.0 73	60.0 716	60.0 1765	60.0 512	40.0 573	120.0 2558
6TH LARGEST	50.0 1718	70.0 2261	30.0 78	70.0 961	60.0 2073	60.0 602	40.0 999	120.0 3491
5TH LARGEST	50.0 1910	70.0 2546	30.0 161	70.0 1219	60.0 3065	60.0 669	40.0 1405	125.0 2619
4TH LARGEST	55.0 79	70.0 2619	30.0 213	70.0 2110	60.0 3423	70.0 1120	40.0 1718	130.0 2944
3RD LARGEST	55.0 1073	70.0 2778	30.0 233	70.0 2798	60.0 3515	70.0 1717	40.0 1801	130.0 3125
2ND LARGEST	55.0 1405	70.0 3209	30.0 277	70.0 2806	60.0 3982	70.0 3048	40.0 1840	145.0 3999
1ST LARGEST	60.0 1840	70.0 3918	30.0 438	70.0 3812	70.0 3427	70.0 3723	40.0 2701	150.0 3381
THE MEAN VALUE	18.88	25.67	18.80	38.66	34.06	36.91	22.37	61.19
STD. DEVIATION	5.50	10.24	2.74	11.76	11.15	13.36	8.27	24.70
COEFF./VARIATION	29.12	39.91	14.60	30.41	32.74	36.20	36.99	40.37
••TOP••	0.25	0.20	0.0	0.25	0.20	0.20	0.50	0.35
••BOT••	0.0	0.0	0.07	0.25	0.0	0.0	0.0	0.0
VETA ONE	1.36	0.73	2.19	0.40	0.12	-0.01	0.26	0.41
VETA TWO	8.19	3.94	8.29	2.68	2.46	2.58	2.54	3.05
(N-20)-AVG EST	18.82	25.59	18.78	38.52	34.00	36.90	21.98	60.75
(N-20)-S.D.EST	5.34	10.23	2.74	12.24	11.34	13.99	8.92	25.01
PCT DIFF/MEANS	1.	1.	1.	1.	1.	0.	4.	2.
PCT DIF/ST DVS	3.	0.	0.	-4.	-2.	-5.	-7.	-1.
SIZE OF SAMPLE	3888	3888	3888	485	485	485	131	484

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 145 THROUGH 152

	145		146		147		148		149		150		151		152	
	HOOTON-0	YSPLASIA-1	HOOTON-0	YSPLASIA-2	RANK	AERORATI	BIRTHPLA	CE-SUBJECT	BIRTHPLA	CE-FATHER	BIRTHPLA	CE-MOTHER	BIRTHPLA	CE-MOTHER	RELIGION	RELIGION
	VALUE	SBJCT	VALUE	SBJCT	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
1ST SMALLEST	15.0	253	15.0	457	11.0	34	11.0	209	1.0	212	1.0	213	1.0	213	1.0	1
2ND SMALLEST	15.0	214	15.0	453	11.0	30	11.0	201	1.0	210	1.0	212	1.0	212	1.0	4
3RD SMALLEST	15.0	180	15.0	398	12.0	3150	11.0	21	1.0	170	1.0	209	1.0	209	1.0	5
4TH SMALLEST	15.0	157	15.0	320	12.0	3126	11.0	1	1.0	155	1.0	201	1.0	201	1.0	6
5TH SMALLEST	15.0	136	15.0	227	12.0	3123	11.0	3	1.0	137	1.0	170	1.0	170	1.0	8
6TH SMALLEST	15.0	110	15.0	165	12.0	3078	11.0	9	1.0	97	1.0	153	1.0	153	1.0	10
7TH SMALLEST	15.0	42	15.0	110	12.0	2666	11.0	11	1.0	81	1.0	72	1.0	72	1.0	11
8TH SMALLEST	15.0	76	15.0	90	12.0	427	11.0	12	1.0	72	1.0	69	1.0	69	1.0	13
9TH SMALLEST	15.0	97	15.0	95	12.0	420	11.0	17	1.0	24	1.0	38	1.0	38	1.0	14
XTH SMALLEST	15.0	105	15.0	97	12.0	415	11.0	20	1.0	10	1.0	10	1.0	10	1.0	15

XTH LARGEST	65.0	825	75.0	3457	28.0	1136	29.0	1675	9.0	34	9.0	61	9.0	92	4.0	40
9TH LARGEST	65.0	987	75.0	3491	28.0	1137	29.0	1676	9.0	61	9.0	133	9.0	133	4.0	107
8TH LARGEST	65.0	1247	75.0	3612	28.0	1143	29.0	1683	9.0	75	9.0	178	9.0	139	4.0	144
7TH LARGEST	65.0	2402	80.0	540	29.0	1127	29.0	1692	9.0	83	9.0	346	9.0	164	4.0	191
6TH LARGEST	70.0	94	80.0	1216	29.0	1130	32.0	3584	9.0	92	9.0	351	9.0	329	4.0	245
5TH LARGEST	70.0	1083	85.0	348	29.0	1131	32.0	3587	9.0	133	9.0	379	9.0	351	4.0	289
4TH LARGEST	70.0	2234	85.0	963	29.0	3341	32.0	3988	9.0	136	9.0	506	9.0	379	4.0	313
3RD LARGEST	70.0	3350	85.0	3999	29.0	3696	32.0	4024	9.0	164	9.0	507	9.0	486	4.0	330
2ND LARGEST	75.0	2619	100.0	3125	29.0	3913	32.0	4025	9.0	176	9.0	527	9.0	506	4.0	339
1ST LARGEST	85.0	2944	100.0	3381	29.0	3919	32.0	4028	9.0	200	9.0	552	9.0	527	4.0	343
THE MEAN VALUE	31.81		34.48		21.22		16.19		4.80		4.54		4.66		1.30	
STD. DEVIATION	13.71		16.23		4.13		5.16		2.30		1.96		2.03		0.57	
COEFF. OF VARIATION	43.10		47.08		19.47		31.85		47.91		43.30		43.61		44.31	
TOP	0.40		0.42		0.06		0.17		0.0		0.0		0.0		0.0	
BOTTOM	0.0		0.0		0.06		0.0		0.0		0.0		0.0		0.0	
VETA ONE	0.71		0.94		-0.54		0.72		0.16		0.13		0.09		2.31	
VETA TWO	3.33		3.84		1.76		2.30		1.95		2.21		2.10		5.47	
(N-20)-AVG EST	31.29		33.79		21.23		16.16		4.79		4.53		4.66		1.29	
(N-20)-S.D. EST	14.12		16.36		4.19		5.22		2.34		2.00		2.07		0.57	
PCT DIFF/MEANS	4.		4.		-0.		0.		0.		0.		0.		1.	
PCT DIFF/ST DVS	-3.		-1.		-1.		-1.		-2.		-2.		-2.		0.	
SIZE OF SAMPLE	434		459		3998		3977		3922		3354		3398		4000	

** AMRL OATA BANK LIBRARY - VOLUME IV - 1950 SURVEY OF FLYING PERSONNEL **

09/09/76

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 153 THROUGH 160

	153	154	155	156	157	158	159	160
	EDUCATIO	MARITAL	HAIR COL	HAIR FOR	SKIN COL	BODY HAI	BIRTHPLA	BIRTHPLA
	N	STATUS	OR	M	OR	R QUANTITY	CE STATE-S	CE STATE-F
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT	SBJCT
1ST SMALLEST	1.0 317	1.0 24	1.0 772	1.0 33	1.0 357	1.0 790	1.0 3583	2.0 1527
2ND SMALLEST	1.0 315	1.0 22	1.0 725	1.0 32	1.0 114	1.0 694	2.0 2259	2.0 772
3RD SMALLEST	2.0 135	1.0 2	1.0 719	1.0 29	1.0 80	1.0 349	2.0 1527	11.0 562
4TH SMALLEST	2.0 98	1.0 4	1.0 718	1.0 25	1.0 64	1.0 200	2.0 569	11.0 534
5TH SMALLEST	2.0 75	1.0 5	1.0 499	1.0 8	1.0 55	1.0 183	11.0 589	11.0 483
6TH SMALLEST	2.0 59	1.0 7	1.0 311	1.0 14	1.0 36	1.0 180	11.0 562	11.0 471
7TH SMALLEST	2.0 52	1.0 12	1.0 70	1.0 15	1.0 34	1.0 174	11.0 534	11.0 457
8TH SMALLEST	2.0 44	1.0 13	1.0 45	1.0 17	1.0 30	1.0 172	11.0 448	11.0 404
9TH SMALLEST	2.0 40	1.0 14	1.0 39	1.0 19	1.0 15	1.0 131	11.0 404	11.0 310
XTH SMALLEST	2.0 37	1.0 16	1.0 17	1.0 21	1.0 20	1.0 118	11.0 389	11.0 212

XTH LARGEST	9.0 64	3.0 57	13.0 199	4.0 233	5.0 307	5.0 123	227.0 992	304.0 925
9TH LARGEST	9.0 155	3.0 78	13.0 211	4.0 308	5.0 377	5.0 295	228.0 1022	304.0 2212
8TH LARGEST	9.0 228	3.0 83	13.0 759	4.0 339	6.0 2720	5.0 399	229.0 655	304.0 2580
7TH LARGEST	9.0 237	3.0 137	13.0 567	5.0 499	7.0 499	5.0 604	229.0 2055	305.0 1092
6TH LARGEST	9.0 381	3.0 155	13.0 576	5.0 1409	7.0 1409	5.0 612	237.0 3934	305.0 1598
5TH LARGEST	9.0 439	3.0 204	13.0 1115	5.0 1457	7.0 1457	5.0 674	303.0 1079	305.0 2616
4TH LARGEST	9.0 478	4.0 816	13.0 1135	5.0 1501	7.0 1501	5.0 859	303.0 1400	305.0 3724
3RD LARGEST	9.0 482	4.0 2330	13.0 1146	5.0 1617	7.0 1617	5.0 943	306.0 2722	503.0 1100
2ND LARGEST	9.0 483	4.0 2450	16.0 131	5.0 2002	7.0 2002	5.0 985	501.0 459	503.0 1411
1ST LARGEST	9.0 489	4.0 3705	16.0 568	5.0 2660	7.0 2660	5.0 991	503.0 2596	503.0 2412
THE MEAN VALUE	4.92	1.75	2.56	1.78	2.14	2.80	53.55	72.38
STC. DEVIATION	2.23	0.50	2.12	0.90	0.56	0.80	30.11	61.42
COFF/VARIATION	45.39	28.49	71.63	50.45	26.05	28.44	56.22	84.86
TOP	0.0	0.50	0.25	0.33	0.50	0.0	1.28	0.68
BOT	0.14	0.0	0.0	0.0	0.0	0.0	0.05	0.03
VETA ONE	0.59	-0.34	3.33	1.00	4.14	0.57	3.22	1.92
VETA TWO	1.80	2.98	14.46	3.24	22.51	2.23	34.94	6.43
(N-20)-AVG EST	4.92	1.75	2.94	1.77	2.13	2.80	53.03	71.80
(N-20)-S.D.EST	2.27	0.50	2.10	0.91	0.52	0.80	27.39	60.89
PCT DIFF/MEANS	0.	0.	1.	1.	2.	0.	2.	1.
PCT DIF/ST DVS	-2.	-1.	1.	-1.	7.	-1.	10.	1.
SIZE OF SAMPLE	3998	4000	3957	3953	3953	3944	3997	3960

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV
 STATISTICS FOR VARIABLES 161 THROUGH 161

	161	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT	VALUE	SBJCT
BIRTHPLA											
CE STATE-M											
1ST SMALLEST	2.0	2259									
2ND SMALLEST	2.0	1527									
3RD SMALLEST	2.0	772									
4TH SMALLEST	11.0	562									
5TH SMALLEST	11.0	542									
6TH SMALLEST	11.0	534									
7TH SMALLEST	11.0	457									
8TH SMALLEST	11.0	448									
9TH SMALLEST	11.0	389									
XTH SMALLEST	11.0	310									

XTH LARGEST	304.0	2212									
9TH LARGEST	304.0	2580									
8TH LARGEST	305.0	1092									
7TH LARGEST	305.0	1598									
6TH LARGEST	305.0	2616									
5TH LARGEST	305.0	3724									
4TH LARGEST	502.0	210									
3RD LARGEST	503.0	1100									
2ND LARGEST	503.0	2983									
1ST LARGEST	601.0	1020									

THE MEAN VALUE	71.60
STD. DEVIATION	59.73
COFF/VARIATION	83.41
*TOP**	1.01
*BOT**	0.03
VETA ONE	2.11
VETA TWO	8.30
(N-20)-AVG EST	70.95
(N-20)-S.D.EST	58.57
PCT DIFF/MEANS	1.
PCT DIF/ST DVS	2.
SIZE OF SAMPLE	3963

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER CN THE PRECEDING PAGES UR ON THE PUNCHED RANGE CAROS

NO.	VARIABLE NAME	MEAN	STO	DEV	V-I	V-II	V	OELM	OELS	A	---THE RANGE CARO VALUES---			INTV1	INTV2	CF1	CF2
											MIN	MAX	AVG				
1	HEIGHT	1633.54	208.03	0.43	3.01	12.71	0.3	-0.3	4000	1130.01	1697.52	2650.0	1634.0	80.00	50.00	0.45359	2.20462
2	HEIGHT (STATURE)	1755.60	61.62	0.01	3.10	3.51	-0.0	0.1	4000	1519.01	1517.51	1975.0	1756.0	20.00	10.00	0.10000	0.39370
3	NASAL ROOT HEIGHT	1650.00	60.28	0.01	3.10	3.71	-0.0	0.1	4000	1435.01	1427.51	1869.0	1650.0	15.00	10.00	0.10000	0.39370
4	EYE HEIGHT	1643.37	60.23	0.00	3.09	3.71	-0.0	0.1	4000	1430.01	1427.51	1861.0	1643.0	15.00	10.00	0.10000	0.39370
5	TRAGION HEIGHT	1623.75	60.25	0.01	3.05	3.71	-0.0	0.1	4000	1393.01	1387.51	1850.0	1624.0	20.00	10.00	0.10000	0.39370
6	SERVALE HEIGHT	1501.08	58.09	0.02	3.04	3.91	-0.0	0.0	4000	1282.01	1277.51	1707.0	1501.0	15.00	10.00	0.10000	0.39370
7	SHOULDER HEIGHT	1435.49	57.31	0.00	3.01	4.01	-0.0	0.0	4000	1204.01	1197.51	1632.0	1435.0	15.00	10.00	0.10000	0.39370
8	SUPRASTERNALE HT	1429.66	55.27	0.02	3.07	3.91	-0.0	0.1	4000	1223.01	1217.51	1625.0	1430.0	15.00	10.00	0.10000	0.39370
9	NIPPLE HEIGHT	1281.02	52.16	0.01	3.01	4.11	-0.0	0.1	4000	1079.01	1077.51	1451.0	1281.0	15.00	10.00	0.10000	0.39370
10	SUBSTERNALE HEIGHT	1237.55	50.64	0.03	3.10	4.11	-0.0	0.1	2958	1050.01	1047.51	1414.0	1238.0	15.00	10.00	0.10000	0.39370
11	ELBOW HEIGHT	1105.11	44.76	0.02	2.96	4.31	-0.1	-0.1	4000	934.0	927.51	1252.0	1105.0	15.00	10.00	0.10000	0.39370
12	WAIST HEIGHT	1067.71	45.55	0.00	3.21	4.31	-0.0	0.2	4000	882.0	877.51	1244.0	1068.0	15.00	10.00	0.10000	0.39370
13	PENALE HEIGHT	877.14	44.01	0.03	3.09	5.01	-0.0	0.1	2568	713.0	707.51	1053.0	877.0	15.00	10.00	0.10000	0.39370
14	WRIST HEIGHT	851.92	38.76	0.03	2.95	4.51	-0.0	0.1	4000	714.0	707.51	1012.0	852.0	15.00	10.00	0.10000	0.39370
15	CROTCH HEIGHT	833.87	43.33	0.02	3.01	5.21	-0.0	0.1	4000	687.0	677.51	977.0	834.0	10.00	10.00	0.10000	0.39370
16	GLUTEAL FURROW HT	801.80	40.86	0.06	3.05	5.11	0.0	0.1	4000	663.0	657.51	942.0	802.0	10.00	10.00	0.10000	0.39370
17	KNUCKLE HEIGHT	763.21	36.42	0.06	2.98	4.81	0.1	0.1	4000	638.0	637.51	897.0	763.0	10.00	10.00	0.10000	0.39370
18	KNEECAP HEIGHT	513.41	25.78	0.10	2.94	5.01	0.0	0.2	4000	416.0	412.51	593.0	513.0	10.00	5.00	0.10000	0.39370
19	SITTING HEIGHT	913.04	32.26	0.04	3.10	3.51	-0.0	0.2	4000	767.0	757.51	1023.0	913.0	10.00	10.00	0.10000	0.39370
20	EYE HT/SITTING	799.59	31.87	0.04	3.15	4.01	-0.0	0.3	4000	670.0	667.51	937.0	800.0	10.00	10.00	0.10000	0.39370
21	SHOULDER HT/SITT G	590.86	28.46	0.07	2.96	4.81	-0.0	0.2	4000	483.0	482.51	690.0	591.0	10.00	5.00	0.10000	0.39370
22	WAIST HT/SITTING	234.62	19.08	0.17	2.96	8.11	-0.1	-0.1	4000	162.0	161.51	305.0	235.0	5.00	3.00	0.10000	0.39370
23	ELBOW REST HT/SIT	231.72	25.87	0.06	3.03	11.21	-0.0	0.1	4000	134.0	132.51	330.0	232.0	10.00	5.00	0.10000	0.39370
24	THIGH CLEARANCE HT	142.36	12.98	0.02	2.83	9.11	0.0	0.3	4000	103.0	101.51	187.0	142.0	3.00	2.00	0.10000	0.39370
25	KNEE HT/SITTING	550.42	24.79	0.04	2.99	4.51	-0.0	0.1	4000	457.0	452.51	637.0	550.0	10.00	5.00	0.10000	0.39370
26	POPLITEAL HT/SIT	430.91	19.32	0.05	3.09	4.51	-0.0	0.2	4000	360.0	359.51	497.0	431.0	5.00	3.00	0.10000	0.39370
27	BUTTOCK-KNEE LGTH	599.93	26.68	0.09	3.09	4.41	0.1	0.1	4000	507.0	502.51	702.0	600.0	10.00	5.00	0.10000	0.39370
28	BUTTOCK-LEG LGTH	1084.57	51.40	0.14	3.12	4.71	0.1	0.2	4000	901.0	897.51	1271.0	1085.0	15.00	10.00	0.10000	0.39370
29	SHOULDER-ELBOW LTH	363.68	17.16	0.03	2.98	4.71	-0.0	0.1	4000	295.0	293.51	431.0	364.0	5.00	3.00	0.10000	0.39370
30	FOREARM-HAND LGTH	478.85	20.25	0.02	3.08	4.21	-0.1	0.3	4000	396.0	392.51	548.0	479.0	10.00	5.00	0.10000	0.39370
31	SPAN	1798.12	74.20	0.03	3.14	4.11	-0.1	0.3	4000	1483.01	1482.51	2090.0	1798.0	25.00	15.00	0.10000	0.39370
32	ARM REACH FR. WALL	878.56	41.52	0.05	3.07	4.71	-0.1	0.2	4000	702.0	697.51	1018.0	879.0	15.00	10.00	0.10000	0.39370
33	MAXIMUM REACH/WALL	980.13	47.26	0.03	3.66	4.81	0.0	0.0	4000	796.0	787.51	1150.0	980.0	15.00	10.00	0.10000	0.39370
34	FUNCTIONAL REACH	820.48	40.29	0.10	3.01	4.91	0.0	0.1	4000	683.0	677.51	951.0	820.0	10.00	10.00	0.10000	0.39370
35	ELBOW-ELBOW BROTH	439.01	35.49	0.40	3.02	8.11	0.2	-0.2	4000	343.0	342.51	583.0	439.0	10.00	5.00	0.10000	0.39370
36	HIP BREAOTH/SIT NG	354.65	21.54	0.32	3.11	6.11	0.2	0.0	4000	293.0	292.51	446.0	355.0	10.00	5.00	0.10000	0.39370
37	KNEE-KNEE BRTH/SIT	201.14	12.50	0.58	3.62	6.21	0.4	0.3	4000	165.0	163.51	261.0	201.0	5.00	2.00	0.10000	0.39370
38	BIACROMIAL OIAM R	400.06	18.32	0.05	3.09	4.61	0.0	0.1	4000	335.0	332.51	476.0	400.0	5.00	3.00	0.10000	0.39370
39	SHOULDER BREAOTH	454.10	22.75	0.18	3.03	5.01	0.1	0.1	4000	375.0	372.51	537.0	454.0	10.00	5.00	0.10000	0.39370
40	CHEST BREAOTH	305.33	19.96	0.33	3.19	6.51	0.2	-0.0	4000	244.0	242.51	389.0	305.0	5.00	3.00	0.10000	0.39370
41	WAIST BREAOTH	270.51	23.18	0.62	3.57	8.61	0.4	0.3	4000	210.0	207.51	345.0	271.0	10.00	5.00	0.10000	0.39370
42	HIP BREAOTH	334.72	17.57	0.24	3.05	5.21	0.1	0.1	4000	282.0	281.51	403.0	335.0	5.00	3.00	0.10000	0.39370
43	CHEST DEPTH	230.01	18.68	0.37	3.14	8.11	0.2	0.0	4000	172.0	170.51	305.0	230.0	5.00	3.00	0.10000	0.39370
44	WAIST DEPTH	201.63	21.59	0.60	3.37	10.71	0.3	0.1	4000	146.0	142.51	306.0	202.0	10.00	5.00	0.10000	0.39370
45	BUTTOCK DEPTH	223.51	20.43	0.33	2.94	9.11	0.2	-0.2	4000	167.0	164.51	306.0	224.0	5.00	3.00	0.10000	0.39370
46	NECK CIRCUMFERENCE	379.57	17.97	0.26	3.13	4.71	0.2	0.1	4000	325.0	323.51	451.0	380.0	5.00	3.00	0.10000	0.39370
47	SHOULDER CIRCUM CE	1149.30	59.22	0.36	3.25	5.21	0.3	0.1	4000	980.0	977.51	1443.0	1149.0	20.00	10.00	0.10000	0.39370
48	CHEST CIRCUMF ENCE	984.81	40.42	0.36	3.09	6.11	0.3	-0.1	4000	812.0	807.51	1234.0	985.0	15.00	10.00	0.10000	0.39370
49	WAIST CIRCUMF ENCE	812.26	74.92	0.57	3.24	9.21	0.4	0.0	4000	620.0	612.51	1193.0	812.0	20.00	15.00	0.10000	0.39370
50	BUTTOCK CIRCUMF CE	959.64	56.75	0.31	2.96	5.91	0.2	-0.2	4000	804.0	797.51	1194.0	960.0	15.00	10.00	0.10000	0.39370

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO DEV	V-I	V-II	V	DELS	N	MINIMUM	MIN	MAX	AVG	---THE RANGE CARD VALUES---			
													INTV1	INTV2	CF1	CF2
51	HIGH CIRCUMF ENCE	568.40	42.99	3.12	2.88	7.61	0.1	-0.1	4000	438.0	437.5	730.0	568.0	10.00	0.10000	0.39370
52	LOWER THIGH CIRC.	439.53	34.62	0.11	2.94	7.91	0.1	-0.2	4000	332.0	327.5	565.0	440.0	10.00	0.10000	0.39370
53	CALF CIRCUMFERENCE	365.27	23.74	0.15	3.00	6.51	0.1	-0.1	4000	288.0	287.5	448.0	365.0	10.00	0.10000	0.39370
54	ANKLE CIRCUMF ENCE	225.59	13.13	0.24	3.27	5.81	0.2	0.3	4000	184.0	182.5	291.0	226.0	5.00	0.10000	0.39370
55	SKYE CIRCUMFERENCE	459.30	33.68	0.36	3.26	7.31	0.1	0.2	4000	341.0	337.5	588.0	459.0	10.00	0.10000	0.39370
56	AXILLARY ARM CIRC.	317.36	26.25	0.23	2.88	8.31	0.2	-0.1	4000	243.0	242.5	426.0	317.0	10.00	0.10000	0.39370
57	BICEPS CIRC-FLEXED	324.10	25.60	0.29	3.06	7.91	0.2	-0.1	4000	245.0	242.5	418.0	324.0	10.00	0.10000	0.39370
58	ELBOW CIRC-FLEXED	310.46	19.27	0.27	3.07	6.21	0.2	-0.0	4000	250.0	248.5	383.0	310.0	5.00	0.10000	0.39370
59	LOWER ARM C-FLEXED	291.62	17.94	0.18	2.96	6.21	0.1	-0.1	4000	230.0	227.5	356.0	292.0	5.00	0.10000	0.39370
60	WRIST CIRCUMF ENCE	173.75	9.06	0.25	3.23	5.21	0.3	0.3	4000	144.0	143.5	216.0	174.0	3.00	0.10000	0.39370
61	SLEEVE INSEAM	502.78	28.39	0.03	3.05	5.61	0.0	-0.0	4000	406.0	402.5	598.0	503.0	10.00	0.10000	0.39370
62	SLEEVE LENGTH	853.50	37.64	0.01	3.06	4.41	-0.0	-0.0	4000	704.0	697.5	998.0	853.0	15.00	0.10000	0.39370
63	ANTERIOR NECK LGTH	86.56	16.14	0.09	3.00	18.61	0.0	-0.3	4000	35.0	32.5	137.0	87.0	5.00	0.10000	0.39370
64	POSTERIOR NECK LTH	92.20	15.37	0.19	3.11	16.71	0.1	0.0	4000	40.0	38.5	149.0	92.0	5.00	0.10000	0.39370
65	SHOULDER LENGTH	171.74	13.70	0.05	3.15	8.01	0.0	0.1	4000	122.0	119.5	228.0	172.0	5.00	0.10000	0.39370
66	WAIST BACK	449.72	25.68	0.11	2.99	5.71	0.0	-0.0	4000	352.0	347.5	553.0	450.0	10.00	0.10000	0.39370
67	WAIST FRONT	386.47	26.59	0.20	3.31	6.91	0.1	0.5	4000	285.0	282.5	506.0	386.0	10.00	0.10000	0.39370
68	GLUTEAL ARC	295.47	19.89	0.06	2.98	6.71	0.0	-0.1	4000	228.0	227.5	364.0	295.0	5.00	0.10000	0.39370
69	CROTCH LENGTH	714.98	48.40	0.20	3.17	6.81	0.1	0.0	4000	553.0	547.5	890.0	715.0	15.00	0.10000	0.39370
70	VERTICAL TRUNK C.	1645.30	71.78	0.09	2.97	4.41	0.1	-0.1	4000	1394.0	1392.5	5189.0	1645.0	20.00	0.10000	0.39370
71	INTERSCYE	497.71	35.07	0.05	3.03	7.01	0.0	-0.1	4000	379.0	377.5	621.0	498.0	10.00	0.10000	0.39370
72	INTERSCYE-MAXIMUM	578.79	33.48	0.10	3.01	5.81	0.1	-0.0	4000	452.0	447.5	695.0	579.0	10.00	0.10000	0.39370
73	BUTTOCK CIRC/SIT.	1058.80	70.06	0.38	3.13	6.61	0.2	-0.1	4000	856.0	847.5	1335.0	1059.0	20.00	0.10000	0.39370
74	KNEE CIRC/SITTING	390.49	22.55	0.30	3.08	5.81	0.2	0.0	4000	323.0	322.5	478.0	390.0	10.00	0.10000	0.39370
75	FOOT LENGTH	266.78	11.47	0.04	3.13	4.31	0.0	0.2	4000	225.0	223.5	311.0	267.0	3.00	0.10000	0.39370
76	INSTEP LENGTH	193.95	8.57	0.02	3.13	4.41	0.0	0.3	4000	163.0	161.5	225.0	194.0	3.00	0.10000	0.39370
77	FOOT BREADTH	96.50	4.72	0.14	3.01	4.91	0.1	-0.1	4000	81.0	80.5	116.0	97.0	2.00	0.10000	0.39370
78	HEEL BREADTH	66.94	3.74	0.13	3.06	5.61	0.1	-0.1	4000	54.0	53.5	83.0	67.0	1.00	0.10000	0.39370
79	BI-MALLEOLAR BR TH	74.88	3.78	0.12	2.97	5.01	0.1	-0.2	4000	62.0	61.5	88.0	75.0	1.00	0.10000	0.39370
80	MED L MALLEOLUS HT	87.79	5.27	0.07	3.08	6.01	0.1	0.1	4000	69.0	68.5	109.0	88.0	2.00	0.10000	0.39370
81	LAT L MALLEOLUS HT	69.41	5.60	0.20	3.20	8.11	0.2	0.1	4000	51.0	50.5	90.0	69.0	2.00	0.10000	0.39370
82	BALL OF FOOT CIRC.	244.50	11.96	0.12	3.10	4.91	0.1	0.2	4000	205.0	203.5	293.0	244.0	3.00	0.10000	0.39370
83	HAND LENGTH	190.20	8.54	0.04	3.02	4.51	-0.1	0.1	4000	149.0	147.5	222.0	190.0	3.00	0.10000	0.39370
84	PALM LENGTH	107.73	5.41	0.08	2.95	5.01	-0.0	0.0	4000	86.0	85.5	126.0	108.0	2.00	0.10000	0.39370
85	HAND BREADTH/THUMB	103.51	5.33	0.07	2.95	5.11	0.0	-0.2	4000	85.0	84.5	121.0	104.0	2.00	0.10000	0.39370
86	HAND B/METACARPAL	88.32	4.08	0.10	2.85	4.61	0.1	-0.3	4000	76.0	75.5	102.0	88.0	1.00	0.10000	0.39370
87	THICKNESS-META III	29.67	1.74	0.07	3.44	5.91	0.0	0.0	4000	24.0	23.5	36.0	30.0	1.00	0.10000	0.39370
88	1ST-PHALANX 3 LGTH	67.79	2.96	0.05	3.12	4.41	-0.0	0.3	2908	56.0	55.5	78.0	68.0	1.00	0.10000	0.39370
89	FINGER DIAMETER	21.30	1.21	-0.10	1.95	5.71	0.3	-0.8	4000	19.0	18.5	25.0	21.0	1.00	0.10000	0.39370
90	GRIP DIAM R INSIDE	47.55	3.26	0.11	3.71	6.91	0.2	0.8	4000	34.0	33.5	66.0	48.0	2.00	0.10000	0.39370
91	GRIP DIAM. OUTSIDE	103.65	5.56	-0.14	3.30	5.41	-0.1	0.4	4000	80.0	79.5	129.0	104.0	2.00	0.10000	0.39370
92	HEAD CIRCUMFERENCE	293.19	13.61	0.05	2.89	4.61	0.0	-0.2	4000	250.0	249.5	341.0	293.0	5.00	0.10000	0.39370
93	HEAD LENGTH	197.05	6.41	0.02	2.95	3.31	0.0	-0.1	4000	175.0	174.5	223.0	197.0	2.00	0.10000	0.39370
94	HEAD BREADTH	154.07	5.13	0.14	3.05	3.31	0.1	0.0	4000	136.0	135.5	172.0	154.0	2.00	0.10000	0.39370
95	MIN FRONTAL DIAM R	110.58	4.89	-0.01	3.12	4.41	-0.0	0.2	4000	93.0	92.5	131.0	111.0	2.00	0.10000	0.39370
96	MAX FRONTAL DIAM R	119.65	4.99	0.15	3.18	4.21	0.1	0.1	4000	102.0	101.5	139.0	120.0	2.00	0.10000	0.39370
97	BIZYGOMATIC DIAM R	140.89	4.99	0.07	3.06	3.51	0.0	-0.1	4000	124.0	123.5	157.0	141.0	2.00	0.10000	0.39370
98	BIGONIAL DIAMETER	108.57	5.48	0.10	3.09	5.11	0.1	0.0	4000	91.0	90.5	128.0	109.0	2.00	0.10000	0.39370
99	BITRAGONAL DIAMETER	142.18	5.27	0.01	3.23	3.71	-0.1	0.1	4000	122.0	121.5	160.0	142.0	2.00	0.10000	0.39370
100	INTEROCULAR DIAM R	31.71	2.54	0.19	3.00	8.01	0.0	-0.2	4000	22.0	21.5	40.0	32.0	1.00	0.10000	0.39370

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CAROS

NO.	VARIABLE NAME	MEAN	STO	OEY	V-I	V-II	V	DELM	OELS	N	MINIMUM	MIN	---THE RANGE CARO VALUES---			INTV2	CF1	CF2
													MAX	AVG	INTV1			
101	BIOCULAR DIAMETER	95.86	4.39	0.01	2.90	4.61	0.0	-0.1	4000	81.0	80.5	113.0	90.0	1.00	0.10000	0.39370		
102	INTERPUPILLARY OIS	63.26	3.61	0.22	2.89	5.71	0.1	-0.2	4000	51.0	50.5	76.0	63.0	1.00	0.10000	0.39370		
103	NOSE LENGTH	50.94	3.43	0.08	2.95	6.71	0.1	-0.1	4000	40.0	39.5	64.0	51.0	1.00	0.10000	0.39370		
104	NOSE BREADTH	33.33	2.56	0.16	3.21	7.71	0.1	0.4	4000	24.0	23.5	46.0	33.0	1.00	0.10000	0.39370		
105	NASAL ROOT BREADTH	15.55	2.11	0.05	3.04	13.61	0.1	-0.1	4000	9.0	8.5	23.0	16.0	1.00	0.10000	0.39370		
106	NOSE PROTRUSION	22.72	2.84	0.10	3.30	12.51	0.1	0.6	4000	11.0	10.5	34.0	23.0	1.00	0.10000	0.39370		
107	PHILTRUM LENGTH	19.40	3.37	-0.03	2.64	17.41	0.0	-0.5	4000	9.0	8.5	31.0	19.0	1.00	0.10000	0.39370		
108	MENTON-SUBNASALE	66.65	6.86	0.11	2.71	10.31	0.1	-0.4	4000	46.0	45.5	89.0	67.0	2.00	0.10000	0.39370		
109	MENTON-CRINION LTH	186.82	8.99	0.05	4.93	4.81	0.0	-0.2	3437	157.0	155.5	217.0	187.0	3.00	0.10000	0.39370		
110	LIP-LIP DISTANCE	16.15	3.06	-0.02	3.16	18.91	0.0	0.0	3.4000	4.0	3.5	28.0	16.0	1.00	0.10000	0.39370		
111	LIP LENGTH	51.56	3.55	0.16	3.22	6.91	0.1	0.4	4000	38.0	37.5	67.0	52.0	1.00	0.10000	0.39370		
112	EAR LENGTH	62.71	4.06	0.07	3.24	6.51	0.0	0.3	4000	47.0	46.5	80.0	63.0	2.00	0.10000	0.39370		
113	EAR BREADTH	36.59	2.69	0.05	2.93	7.31	0.0	-0.2	4000	28.0	27.5	48.0	37.0	1.00	0.10000	0.39370		
114	EAR LTH ABOVE TRAG	29.72	2.77	-0.01	3.00	9.31	0.0	0.1	4000	20.0	19.5	41.0	30.0	1.00	0.10000	0.39370		
115	EAR PROTRUSION	21.46	3.63	0.43	3.37	16.91	0.3	0.2	4000	11.0	10.5	39.0	21.0	1.00	0.10000	0.39370		
116	HEAD HEIGHT	129.70	7.48	-0.08	2.98	5.81	0.0	-0.0	4000	104.0	103.5	155.0	130.0	2.00	0.10000	0.39370		
117	MENTON PROJECTION	47.64	6.60	0.09	3.06	13.81	0.0	0.0	4000	25.0	24.5	72.0	48.0	2.00	0.10000	0.39370		
118	EXT L CANTHUS-WALL	172.11	7.92	-0.10	3.28	4.61	0.1	0.4	4000	140.0	139.5	201.0	172.0	3.00	0.10000	0.39370		
119	NASAL ROOT TO WALL	196.88	8.62	0.01	2.94	4.41	0.0	-0.0	4000	166.0	165.5	227.0	197.0	3.00	0.10000	0.39370		
120	TRAGION TO WALL	102.32	7.46	0.08	3.06	7.31	0.1	-0.0	4000	78.0	77.5	131.0	102.0	4.00	0.10000	0.39370		
121	LARYNX TO WALL	176.53	11.81	-0.07	2.96	6.71	0.0	-0.1	4000	137.0	135.5	217.0	177.0	3.00	0.10000	0.39370		
122	HEAO CIRCUMFERENCE	570.28	15.34	0.03	2.96	2.71	0.0	-0.0	4000	518.0	515.5	625.0	570.0	5.00	0.10000	0.39370		
123	SAGITTAL ARC	381.11	15.18	-0.06	3.02	4.01	0.0	-0.0	4000	330.0	329.5	433.0	381.0	5.00	0.10000	0.39370		
124	BITRAG-CORONAL ARC	350.46	12.40	0.15	2.98	3.51	0.1	-0.2	4000	313.0	311.5	393.0	350.0	3.00	0.10000	0.39370		
125	MINIMUM FR TAL ARC	136.67	9.65	-0.05	2.93	7.11	0.0	-0.1	4000	101.0	99.5	170.0	137.0	3.00	0.10000	0.39370		
126	BIT-MIN-FR TAL ARC	304.84	10.49	0.02	2.93	3.41	0.0	-0.0	4000	270.0	269.5	340.0	305.0	3.00	0.10000	0.39370		
127	BITRAG-CRINION ARC	331.26	12.87	0.00	2.86	3.91	0.0	-0.0	3437	285.0	283.5	372.0	331.0	3.00	0.10000	0.39370		
128	BITRAG-MENTON ARC	323.29	12.34	0.06	3.13	3.81	0.0	0.1	4000	280.0	279.5	375.0	323.0	5.00	0.10000	0.39370		
129	BIT-SUBMANOIBULAR ARC	306.20	15.39	0.18	3.13	5.01	0.1	-0.0	4000	245.0	242.5	377.0	306.0	5.00	0.10000	0.39370		
130	BIT-SUBNASALE ARC	289.85	10.69	0.08	3.00	3.71	0.1	-0.0	4000	256.0	255.5	330.0	290.0	3.00	0.10000	0.39370		
131	POSTERIOR ARC	270.86	11.70	0.21	3.17	4.31	0.2	0.0	4000	230.0	229.5	318.0	271.0	3.00	0.10000	0.39370		
132	BITRAG-INION ARC	293.71	13.44	0.27	2.93	4.61	0.1	-0.2	4000	250.0	249.5	340.0	294.0	5.00	0.10000	0.39370		
133	AGE	278.93	42.16	0.40	3.39	15.11	0.5	0.3	4000	185.0	177.5	545.0	279.0	15.00	0.10000	1.00000		
134	S TYPE-ENDGMORPHY	34.69	9.12	-0.10	2.80	26.31	0.0	-0.6	3888	10.0	9.5	60.0	35.0	2.00	1.00000	1.00000		
135	S TYPE-MESOMORPHY	45.07	7.51	-0.09	3.15	16.71	0.0	0.3	3888	20.0	19.5	70.0	45.0	2.00	1.00000	1.00000		
136	S TYPE-ECTOMORPHY	29.59	10.50	0.40	2.84	35.51	0.4	-0.6	3888	10.0	9.5	70.0	33.0	3.00	1.00000	1.00000		
137	S TYPE-GYNANORCM Y	18.88	5.50	1.36	6.19	29.11	1.2	3.0	3888	10.0	9.5	60.0	19.0	2.00	1.00000	1.00000		
138	S TYPE-OYSPLASIA	25.67	10.24	0.73	3.94	39.91	0.7	0.1	3888	10.0	9.5	70.0	26.0	3.00	1.00000	1.00000		
139	S TYPE-T CCMONENT	18.80	2.74	2.19	8.29	14.61	0.6	0.0	3888	14.0	13.5	30.0	19.0	1.00	1.00000	1.00000		
140	HOOTON-ENDGMORPHY	38.66	11.76	0.40	2.68	30.41	1.2	-3.9	485	10.0	9.5	70.0	39.0	3.00	1.00000	1.00000		
141	HOOTON-MESOMORPHY	34.06	11.15	0.12	2.46	32.71	0.5	-1.7	485	10.0	9.5	70.0	34.0	3.00	1.00000	1.00000		
142	HOOTON-ECTOMORPHY	36.91	13.36	-0.01	2.58	36.21	0.0	-4.5	485	10.0	9.5	70.0	37.0	3.00	1.00000	1.00000		
143	HOOTON-GYNANORCM Y	22.37	3.27	0.26	2.54	37.01	4.3	-7.3	131	10.0	9.5	40.0	22.0	2.00	1.00000	1.00000		
144	HOOTON-OYSPLASIA-1	61.19	24.70	0.41	3.05	40.41	1.7	-1.2	484	15.0	14.5	150.0	61.0	5.00	1.00000	1.00000		
145	HOOTON-OYSPLASIA-1	31.81	13.71	0.71	3.33	43.11	3.7	-2.9	434	15.0	13.5	85.0	32.0	3.00	1.00000	1.00000		
146	HOOTON-OYSPLASIA-2	34.48	16.23	0.94	3.84	47.11	4.2	-0.8	459	15.0	13.5	100.0	34.0	3.00	1.00000	1.00000		
147	RANK	21.22	4.13	-0.54	1.76	19.51	0.1	-1.4	3998	11.0	10.5	29.0	21.0	1.00	1.00000	1.00000		
148	AERORATING	16.19	5.16	0.72	2.30	31.91	0.5	-1.3	3977	11.0	10.5	32.0	16.0	1.00	1.00000	1.00000		
149	BIRTHPLACE-SUBJECT	4.80	2.30	0.16	1.95	47.91	0.0	-1.7	3922	1.0	0.5	9.0	5.0	1.00	1.00000	1.00000		
150	BIRTHPLACE-FATHER	4.54	1.96	0.13	2.21	43.31	0.1	-1.6	3354	1.0	0.5	9.0	5.0	1.00	1.00000	1.00000		

TABLE 10 (continued)

XVAL PRINTOUTS, VOLUME IV

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STO	OEY	V-I	V-II	V	OELM	OELS	N	MINIMUM	MIN	---THE RANGE CARDS VALUES---			CF1	CF2
													MAX	AVG	INTV1		
151	BIRTHPLACE-MOTHER	4.66	2.03	0.09	2.10	43.61	0.1	-1.7	3.98	1.0	0.5	9.0	5.0	1.00	1.00	1.00000	1.00000
152	RELIGION	1.30	0.57	2.31	9.47	44.31	1.1	0.4	4.00	1.0	0.5	4.0	1.0	1.00	1.00	1.00000	1.00000
153	EDUCATION	4.92	2.23	0.59	1.80	45.41	0.1	-1.8	3.98	1.0	0.5	9.0	5.0	1.00	1.00	1.00000	1.00000
154	MARITAL STATUS	1.75	0.50	0.34	2.98	26.51	0.4	-0.7	4.00	1.0	0.5	4.0	2.0	1.00	1.00	1.00000	1.00000
155	HAIR COLOR	2.96	2.12	3.33	14.46	71.61	1.0	1.0	3.957	1.0	0.5	16.0	3.0	1.00	1.00	1.00000	1.00000
156	HAIR FORM	1.78	0.90	1.00	3.24	50.41	0.6	-1.0	3.953	1.0	0.5	5.0	2.0	1.00	1.00	1.00000	1.00000
157	SKIN COLOR	2.14	0.56	4.14	22.51	26.01	1.6	7.2	3.953	1.0	0.5	7.0	2.0	1.00	1.00	1.00000	1.00000
158	BOOY HAIR QUANTITY	2.80	0.80	0.57	2.53	28.41	0.1	-0.9	3.944	1.0	0.5	5.0	3.0	1.00	1.00	1.00000	1.00000
159	BIRTHPLACE STATE-S	53.55	30.11	3.22	34.94	56.21	1.9	9.9	3.997	1.0	-2.5	503.0	54.0	15.00	15.00	1.00000	1.00000
160	BIRTHPLACE STATE-F	72.38	61.42	1.92	6.43	84.91	1.0	0.5	3.960	2.0	-2.5	503.0	72.0	20.00	20.00	1.00000	1.00000
161	BIRTHPLACE STATE-M	71.60	59.73	2.11	8.30	83.41	1.1	2.0	3.963	2.0	-2.5	601.0	72.0	25.00	25.00	1.00000	1.00000

Section IX

VOLUME V--THE U. S. CORRELATION MATRICES

The collection of 10 correlation matrices, recently published in a report entitled Intercorrelations of Anthropometric Measurements: A Source Book for USA Data,⁷ constitute the contents of Volume V. This tape consists of 11 files. The first file, reproduced here as Table 11, is basically a table of contents for the entire tape. It contains information as to the number of variables in each of the matrices and the size of the groups on which they were computed. It also contains a program segment which can be used to read in the correlation material.

Files 2 through 11 each contain a single correlation matrix. The last of these, chosen because of its brevity, is reproduced in Table 12 and illustrates the form of all these files. Like Volumes I-IV, this tape has been written in BCD card image form. Record 1 of each file is a heading which includes the survey name, the number of variables (NV) and the number of subjects on whom the correlations are based; the next NV records contain, for each variable, its number, its name (18 characters in length) and its mean and standard deviation. The means and standard deviations are normally in the same units as the raw data, generally in millimeters and pounds. The appropriate format for reading these records is:

(I4,1X,2A9,2F8.2).

The 2A9 can be replaced by 3A6 or 4A4,A2, as is appropriate for the computer reading the tape.

These initial NV+1 cards are followed by the correlation coefficients, written with a (10F8.6) format. As can be seen in Table 12, the entire matrix is written, that is, both the terms above and below the diagonal are present. Terms on the diagonal have been recorded as zeroes although the proper values are, of course, equal to unity.

The length of each file, after the first, equals*

$$NV * ([(NV-1) / 10] + 1) + NV + 1$$

ranging from 55 records for each of the Health Examination Survey matrices (files 7, 8, 9, and 10) to 3801 records for the 1967 Flying Personnel Survey matrix. The total number of card images on the tape is 11031.

⁷Churchill, Kikta, and Churchill, AMRL-TR-77-2, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, 1977.

* $[(NV-1) / 10]$ is to be interpreted as the largest integer which does not exceed $(NV-1) / 10$.

The correlation coefficients have been written on this tape to six decimal places to facilitate their use in research where the relationship of the coefficients relative to each other needs to be known with considerable accuracy. As estimates of population parameters, the third decimal figure is usually open to question and in some cases the same is true of the second place figure. Tables for estimating the sampling error of these statistics are given in the report in which they were published.

TABLE 11

CONTENTS OF VOLUME V

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REC 0001.. **                AMRL DATA TAPE - VOLUME V - U.S. CORRELATIONS                **
REC 0002..                FILE 1 - TABLE OF CONTENTS
REC 0003.. FILE 2- FLYING PERSONNEL--1950                                NV=128 NS=4000
REC 0004.. FILE 3- MALE BASIC TRAINEES--1965                            NV=161 NS=2527
REC 0005.. FILE 4- FLYING PERSONNEL--1967                                NV=190 NS=2420
REC 0006.. FILE 5- AIR FORCE WOMEN--1968                                NV=127 NS=1905
REC 0007.. FILE 6- ARMY FEMALE SEPARATEES--1946                        NV= 60 NS=7554
REC 0008.. FILE 7- HEALTH EXAMINATION SURVEY--1960-1962 FEMALES        NV= 18 NS=3581
REC 0009.. FILE 8- HEALTH EXAMINATION SURVEY--1960-1962 FEMALES, AGES 25-40 NV= 18 NS=1165
REC 0010.. FILE 9- HEALTH EXAMINATION SURVEY--1960-1962 MALES        NV= 18 NS=3091
REC 0011.. FILE 10- HEALTH EXAMINATION SURVEY--1960-1962 MALES, AGES 25-40 NV= 18 NS=1012
REC 0012.. FILE 11- LAW ENFORCEMENT OFFICERS                            NV= 23 NS=2870
REC 0013..
REC 0014..                NOTE-- R(I,I) = 0.0
REC 0015..                FILES 2-11 CAN BE READ IN WITH THE FOLLOWING PROGRAM SEGMENT
REC 0016..                READ(NT,1)HDG
REC 0017..                1 FORMAT(20A4)
REC 0018..                PRINT 1,HDG
REC 0019..                READ(NT,2)(NID(L),(NAME(L,K),K=1,5),XMEAN(L),STDEV(L),L=1,NV)
REC 0020..                2 FORMAT(I4,1X,4A4,A2,2F8.2)
REC 0021..                PRINT 2,(NID(L),(NAME(L,K),K=1,5),XMEAN(L),STDEV(L),L=1,NV)
REC 0022..                DO 4 L=1,NV
REC 0023..                READ(NT,3)(R(L,K),K=1,NV)
REC 0024..                3 FORMAT(10F8.6)
REC 0025..                4 CONTINUE

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TABLE 12 (continued)

ILLUSTRATIVE CORRELATION MATRIX

REC 0061..	.601360	.746547	.609025	.366324	.401091	.416256	.319405	.283667	.371774	.306237
REC 0062..	.290249	.769945	.000000	.423852	.215645	.146449	.235466	.219887	.168413	.527220
REC 0063..	.382046	.355991	.041476							
REC 0064..	.793769	.307394	.351584	.801195	.792738	.688276	.451274	.397232	.438094	.256194
REC 0065..	.276405	.335726	.423852	.000000	.255586	.314461	.432577	.183200	.194115	.282054
REC 0066..	.254904	.389280	.115583							
REC 0067..	.301732	.256326	.190600	.235599	.240102	.196921	.179906	.761441	.245612	.165222
REC 0068..	.217637	.226083	.215645	.255586	.000000	.115516	.175116	.309347	.182482	.229569
REC 0069..	.200631	.262240	.071012							
REC 0070..	.351036	.132312	.183710	.340368	.352416	.328747	.212570	.506640	.277872	.199319
REC 0071..	.161381	.119392	.146449	.314461	.115516	.000000	.678187	.175200	.166850	.109301
REC 0072..	.096458	.234716	.215908							
REC 0073..	.508708	.191029	.245167	.450428	.490468	.491988	.337584	.467314	.357915	.276672
REC 0074..	.206041	.190270	.235466	.432577	.175116	.678187	.000000	.203296	.306903	.170762
REC 0075..	.142218	.319386	.261513							
REC 0076..	.237947	.248544	.188181	.173951	.185540	.163564	.141828	.311014	.244132	.158490
REC 0077..	.194350	.245728	.219887	.183200	.309347	.175200	.203296	.000000	.089837	.259195
REC 0078..	.202652	.230095	.151270							
REC 0079..	.214197	.107771	.163811	.195213	.212247	.161553	.154060	.252762	.258753	.061111
REC 0080..	.058375	.149202	.168413	.194115	.182482	.166850	.306903	.089837	.000000	.208429
REC 0081..	.149413	.279296	.266564							
REC 0082..	.334178	.567762	.450976	.197462	.186265	.124732	.223290	.276514	.454722	.244685
REC 0083..	.312685	.641411	.527220	.282054	.229569	.109301	.170762	.259195	.208429	.000000
REC 0084..	.702241	.511253	.039419							
REC 0085..	.288808	.453044	.310944	.201202	.188964	.131558	.194043	.213548	.395209	.215454
REC 0086..	.304230	.497549	.382046	.254904	.200631	.096458	.142218	.202652	.149413	.702241
REC 0087..	.000000	.425207	.039206							
REC 0088..	.454786	.382994	.343794	.350435	.356661	.292255	.288379	.313719	.825307	.275111
REC 0089..	.301632	.385975	.355991	.389280	.262240	.234716	.319386	.230095	.279296	.511253
REC 0090..	.425207	.000000	.149285							
REC 0091..	.205024	.013126	.156248	.231456	.322821	.356870	.312497	.120783	.241113	.125778
REC 0092..	.046136	.020789	.041476	.115983	.071012	.215908	.261513	.151270	.266564	.039419
REC 0093..	.039206	.149285	.000000							

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APPENDIX

Definitions of Measurements and Anthropometric Terms

a. MEASUREMENT DEFINITIONS *

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

* Underlined anthropometric terms are defined starting on page 198.

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 most lateral point of the right ear to the same point of the left ear.
111. Biceps Circumferences Flexed: the maximum circumference around the biceps measured with the arm bent 90°, the upper arm horizontal, and the fist clenched.
112. Biceps Circumferences 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 Circumferences 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. Bigonial Breadth: the breadth of the jaw across the gonial angles.

* Underlined anthropometric terms are defined starting on page 198.

130. Biiliocristale Breadth: the breadth of the torso measured between the superior points of the ilia in the midaxillary plane.
134. Bimalleolar Breadth: the distance across the protrusions of the medial and lateral ankle bones.
138. Biocular Breadth: the distance between the outer corners of the eyes.
142. Bitragion Breadth: the breadth of the head as measured from right to left tragion.
144. Bitragion-Coronal Arc: the distance from right to left tragion measured with the tape passing over the top of the head.
146. Bitragion-Crinion Arc: the distance from right to left tragion measured with the tape passing over crinion.
150. Bitragion-Menton Arc: the distance from right to left tragion measured with the tape passing under the tip of the chin.
152. Bitragion-Minimum Frontal Arc: the distance from right to left tragion measured with the tape passing across the forehead.
154. Bitragion-Posterior Arc: the distance from right to left tragion measured with the tape passing over the base of the skull.
156. Bitragion-Submandibular Arc: the distance from right to left tragion measured with the tape passing under the gonial angles of the jaw.
158. Bitragion-Subnasale Arc: the distance from right to left tragion measured with the tape passing just below the nose.
161. Bitrochanteric Breadth: the horizontal distance between the trochanters measured with the flesh compressed.
165. Bizygomatic Breadth (Face Breadth): the breadth of the face measured across the zygomatic arches.
169. Bust Depth: the horizontal distance from the subject's back to the tip of her bra.
172. Bustpoint-Bustpoint Breadth: the distance between the points of the bra.
174. Bustpoint Height: the height of the point of the bra.
178. Buttock Circumference: the circumference of the body measured at the level of the maximum posterior protuberance of the buttocks.

* Underlined anthropometric terms are defined starting on page 198.

179. Buttock Circumference, Sitting: the circumference of the buttocks measured with the tape passing under the buttocks and brought up diagonally across the lap.
180. Buttock Circumference, Sitting, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
183. Buttock Depth: the depth of the torso at the level of the maximum posterior protrusion of the buttock.
185. Buttock Depth, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
188. Buttock Height: the height of the maximum posterior protrusion of the buttock.
194. Buttock-Knee Length (Sitting): the horizontal distance from the rearmost surface of the buttocks to the front of the kneecaps.
197. Buttock-Leg Length: 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. Buttock-Popliteal Length (Sitting): the horizontal distance from the rearmost surface of the buttock to the back of the lower leg.
207. Calf Circumference: the maximum circumference of the lower leg.
209. Calf Circumference II: the previous measurement repeated on the opposite leg.
215. Calf Height: the height of the level of the maximum circumference of the lower leg.
219. Cervicale Height: the height of cervicale.
223. Chest Breadth: the breadth of the torso measured at nipple level.
227. Chest Breadth (Bone): the breadth of the torso at nipple level measured with pressure.
230. Chest Circumference: the circumference of the torso measured at nipple level.
231. Chest Circumference at Scye: the circumference of the torso at the level of the armpits.

* Underlined anthropometric terms are defined starting on page 198.

232. Chest Circumference Below Bust: the circumference of the chest just below the cups of the bra.
236. Chest Depth: the depth of the torso measured at nipple level.
237. Chest Depth at Scye: the depth of the torso measured at scye level.
241. Chest Height: the height of the center of the nipple.
245. Chin Prominence to Wall: the distance from the most anterior protrusion to the chin to wall.
249. Crotch Height: the height of the midpoint of the crotch.
252. Crotch Length: the distance from the midpoint of the anterior waist to waist level above the buttock measured with the tape passing through the crotch and over the maximum protrusion of the buttock.
265. Dactylion Height: the height of the tip of the middle finger measured with the arm, hand, and fingers extended downward.
269. Deltoid Arc. The surface distance from acromion to the point, just below the deltoid, where the muscle disappears from view.
273. Dorsal Hand Skinfold: 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. Ear Breadth: the breadth of the ear measured perpendicular to its long axis.
280. Ear Length: the maximum length of the ear as measured along the long axis.
282. Ear Length Above Tragon: the distance along the long axis of the ear from tragon to the level of the upper tip of the ear.
285. Ear Protrusion: the horizontal distance from the bony eminence directly behind the ear to the most lateral protrusion of the ear.
287. Ectocanthus to Otobasion: the distance from the outer corner of the eye to otobasion superior.
289. Ectocanthus to Top of Head: the distance from the outer corner of the eye to the level of the top of the head.

* Underlined anthropometric terms are defined starting on page 198.

291. Ectocanthus to Wall: the distance from the outer corner of the eye to wall.
293. Elbow Breadth (Humeral Breadth): the distance between the medial and lateral epicondyles of the humerus measured with the flesh compressed.
297. Elbow Breadth (Humeral Breadth), II: the previous measurement repeated on the opposite elbow.
300. Elbow Circumference, Flexed: 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. Elbow Circumference, Relaxed: the circumference of the elbow measured with the tape passing over the tip of the elbow.
309. Elbow Height: the height of radiale.
312. Elbow Rest Height (Sitting): the height of the bottom of the tip of the elbow above the sitting surface.
318. Elbow-Elbow Breadth: the distance across the lateral surfaces of the elbows measured with the elbows flexed and resting lightly against the body.
322. Elbow-Grip Length: the distance from the tip of the bent elbow to the center of the clenched fist.
324. Elbow-Wrist Length: the distance from the tip of the elbow to the tip of the styloid process of the radius.
328. Eye Height: the height of the inner corner of the eye.
330. Eye Height, Sitting: the height of the inner corner of the eye above the sitting surface.
334. Femoral Breadth (Knee Breadth) (Sitting): the breadth, as measured with firm pressure, across the epicondyles of the femur.
336. Femoral Breadth (Knee Breadth) (Sitting), II: the previous measurement repeated on the opposite knee.
340. Fibular Height: the height of the superior tip of the fibula.
344. Finger Diameter at Metacarpale III: the diameter of the middle finger as determined by the smallest hole in which the finger can be inserted.

* Underlined anthropometric terms are defined starting on page 198.

348. First Phalanx Length--Digit III: the length of the first segment of the middle finger measured across the surfaces of the third metacarpal and the second phalanx while the hand is held in a fist.
352. Fist Circumference: 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 the 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 forearms 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.

* Underlined anthropometric terms are defined starting on page 198.

404. Grip Diameter-Outside: the distance between the joint of the 1st and 2nd 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 trochanters.
411. Hand Breadth: the breadth of the hand as measured across the distal end to the metacarpal bones II and IV.
413. Hand Breadth Across Thumb: the breadth of the hand measured at the level of the distal end of the first metacarpale of the thumb.
416. Hand Circumference: the circumference of the hand measured around the distal ends of the metacarpal bones II and IV.
417. Hand Circumference Across Thumb: 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 proximal joint of the thumb.
420. Hand Length: the distance from the base of the hand to the top of the middle finger measured along the long axis of the hand.
423. Hand Thickness (Thickness at Metacarpale III): the thickness of the metacarpal-phalangeal joint of the middle finger.
427. Head Breadth: the maximum breadth of the head.
430. Head Circumference: the maximum circumference of the head measured with the tape passing above, but not including, the brow ridges.
433. Head Diagonal-Inion to Pronasale: the transverse distance from the tip of the nose to inion.
437. Head Diagonal-Maximum from Menton to Occiput: the maximum transverse distance from the tip of the ~~chin~~ chin to the back of the head.
438. Head Diagonal-Maximum from Nuchale: the maximum transverse distance from the lowest point palpable at the base of the skull to the tip of the nose.
441. Head Length: the maximum length of the head as measured from glabella to the back of the head.

* Underlined anthropometric terms are defined starting on page 198.

445. Heel-Ankle Circumference: 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. Heel Breadth: the maximum breadth of the heel as measured behind the projections of the ankle bones.
457. Hip Breadth: the maximum breadth of the lower torso.
459. Hip Breadth, Sitting: 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.

* Underlined anthropometric terms are defined starting on page 198.

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, Maximum, 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. Juxt nipple 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.

* Underlined anthropometric terms are defined starting on page 198.

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 eyebrow.
572. Maximum Reach from Wall: the distance from the wall 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. Medial Calf Skinfold: the thickness of a skinfold on the medial 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. Medial Malleolus Height: the height of the most medially projecting point of the medial ankle bone.
583. Menton-Crinion Length: the distance from the bottom surface of the chin to the midpoint of the hairline. Omitted on the bald and balding.
585. Menton Projection: the distance from the most forward point of the chin to the juncture of the neck and the bottom of the jaw.
586. Menton-Sellion Length: the distance from the tip of the chin to the deepest point of the nasal root depression.
592. Menton-Subnasale Length: the distance from the lower edge of the tip of the chin to the base of the nasal septum.
595. Menton to Top of Head: the distance from the lower edge of the tip of the chin to the level of the top of the head.
597. Menton to Wall: the distance from the tip of the chin to wall.
601. Metacarpalle-III Height: the height of the knuckle where the middle finger joins the palm.
606. Midaxillary-Xiphoid Skinfold: the thickness of a skinfold picked up at xiphoid level in the midaxillary line.

* Underlined anthropometric terms are defined starting on page 198.

612. Midshoulder Height, Sitting: the height above the sitting surface of the point on the shoulder halfway between the neck and acromion.
615. Midhigh Circumference: the circumference of the upper leg in a plane midway between the lowest point in the crotch and tibiale.
616. Minimum Frontal Arc: the minimum distance across the temporal crests between their points of maximum indentation.
618. Minimum Frontal Breadth: the breadth of the forehead across the lateral bony ends of the brow ridges.
622. Nasal Breadth: the maximum breadth of the nose.
625. Nasal Root Breadth: the breadth of the nasal root.
629. Nasal Root Height: the height of the deepest point in the nasal root depression.
636. Neck-Bustpoint Length: 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. Neck-Cervicale Length: the tape distance from cervicale to the superior point of the junction of the neck and shoulder.
638. Neck-Waist Length: the tape distance from the superior point of the junction of the neck and shoulder to waist level measured over the front of the body.
639. Neck Circumference: the maximum circumference of the neck, including the "Adam's apple."
649. Nose Length: the distance from sellion to the bottom of the nose.
652. Nose Protrusion: the maximum anterior protrusion of the nose.
656. Palm Length: the distance from the base of the hand to the furrow where the middle finger folds upon the palm.
663. Patella Bottom Height: the height of the bottom edge of the kneecap.
666. Patella Top Height: the height of the top edge of the kneecap.
670. Penale Height: the height of the upper edge of the junction of the penis with the abdomen.
674. Philtrum Length: the distance from the edge of the upper membranous lip to the base of the nasal septum.

* Underlined anthropometric terms are defined starting on page 198.

678. Popliteal Height, Sitting: the height of the underside of the upper leg above the footrest surface.
686. Posterior Neck Length: the surface distance from nuchale at the base of the skull to cervicale.
696. Pronasale to Top of Head: the distance from the tip of the nose to the level of the top of the head.
694. Pronasale to Wall: the distance from the tip of the nose to wall.
698. Radiale-Styilion Length: the distance from radiale to styilion 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 mid-point 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.

* Underlined anthropometric terms are defined starting on page 198.

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 mid-line of the spine to the tip of the elbow, measured with the arms positioned for sleeve length.
770. Sleeve Length Segment: Spine to Scye: the distance from the mid-line of the spine to scye measured with the arms positioned for sleeve length.
772. Sleeve Length: Spine to Wrist: the surface distance from the mid-line 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 as 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.

* Underlined anthropometric terms are defined starting on page 198.

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 Skinfolde: 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 midaxillary 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 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.

* Underlined anthropometric terms are defined starting on page 198.

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. Trochanterion Height: the height of trochanterion.
896. Trunk Depth: the depth of the chest below the bust or that of the abdomen, whichever is the larger.
898. Trunk Height, Sitting: the height of suprasternale above the sitting surface.
911. Vertical Grip Reach: the height of a pointer held horizontally in the subject's fist when the arm is maximally extended upward.
916. Vertical Trunk Circumference: 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 posterior protuberance of the buttock and along the small of the back.
917. Vertical Trunk Circumference, Sitting: the previous measurement repeated with the subject seated.
921. Waist Back: the surface distance, along the spine, from waist level to cervicale, to the tip of the 7th cervical vertebra.
924. Waist Breadth: the breadth of the torso at waist level.
928. Waist Breadth, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
931. Waist Circumference: the circumference of the torso at waist level.

* Underlined anthropometric terms are defined starting on page 198.

932. Waist Circumference, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
933. Waist Circumference, Sitting: the circumference of the torso at waist level.
939. Waist Depth: the depth of the torso at waist level.
943. Waist Depth, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
946. Waist Front: the surface distance in the midsagittal plane from waist level to suprasternale.
949. Waist Height: the height of waist level.
951. Waist Height, Sitting: the height from the sitting surface of waist level.
953. Waist Height, Sitting, Over Foundation Garment: the previous measurement repeated with the subject wearing a foundation garment.
957. Weight: the nude, or essentially nude, weight (except for HEXS survey).
960. Weight as Reported: weight as reported by the subject immediately prior to being measured.
964. Wrist Breadth: the distance across the lateral and medial prominences of the wrist measured with the flesh compressed.
967. Wrist Circumference: the circumference of the wrist at a level just proximal to the ulnar styloid process.
973. Wrist Height: the height of stylion.

* Underlined anthropometric terms are defined starting on page 198.

b. 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.

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

C

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

carpus -- the wrist bones, 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.

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

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

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.

F

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 and the lowest point of the right orbit (eye socket).

G

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 folded outer part of the ear.

humerus -- the bone of the upper arm.

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

I

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.

J-K

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 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

ocular -- pertaining to the eye.

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

occiput -- the back of the head.

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 (inferior) -- the lowest point at which the auricle joins the skin at the side of the head.

P

patella -- the kneecap.

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

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

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 point landmarks approximate the lower level of the axilla when the subject's arms hang 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.

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

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 muscles.

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.

U

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.

V-W

vertex -- the top of the head.

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.

AFM'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 crest and the twelfth rib.

HEX -- the "natural waistline" or indentation. If no natural indentation was present, the level midway 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-stylian point across the anterior surface of the forearm perpendicular to the long axis of the forearm.

X-Y-Z

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.