

# 1988 ANTHROPOMETRIC SURVEY OF U.S. ARMY PERSONNEL: SUMMARY STATISTICS INTERIM REPORT

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## PREFACE

This interim report begins the process of reporting on the results of the U.S. Army Anthropometric Survey (ANSUR) of 1987-1988. The survey was among the most ambitious ever undertaken; a measuring team of 22 persons spent nearly a year collecting data on some 25,000 screened subjects and close to 9,000 measured subjects at 11 Army bases. A similarly ambitious reporting phase is anticipated with this, the first of the reports to be issued on the survey data. Its primary purpose is to release survey summary statistics in a timely manner so that designers, patternmakers, and other users within the U.S. Army, and beyond, can begin incorporating these data into their designs as quickly as possible. A more complete report of the survey summary statistics, to be issued in the months ahead, will also include more textual material.

A project of this scope could not have been completed without the help of numerous military and civilian personnel.

Successful execution of a complex sampling strategy and acquisition of the largest anthropometric data set ever collected by the Army would have been impossible had it not been for the full and active support received from GEN Carl Vuono, Army Chief of Staff, GEN Joseph Palastra, Commander of the Army Forces Command, GEN Maxwell Thurman, Commander of the Army Training & Doctrine Command (TRADOC), and GEN Louis Wagner, Commander of the Army Materiel Command.

From the U.S. Army Troop Support Command, we thank MG John E. Long, MG Henry G. Skeen (retired), BG Charles E. St. Arnaud, and BG Leo J. Pigaty for their personal encouragement and active support of ANSUR during its planning, coordination, and execution.

We also thank the command groups and staffs of the following organizations which provided test subjects despite their heavy mission commitments: the U.S. Army Health Services Command, I Corps, III Corps, the XVIII Airborne Corps, the U.S. Army Chemical School, the U.S. Army Military Police School, the U.S. Army Signal Center, the U.S. Army Aviation Center, the U.S. Army Training Center at Ft. Jackson, and the U.S. Training Center at Ft. Dix. Within each of these organizations were liaison officers and noncommissioned officers responsible for coordination of all the logistic details needed to actually execute the survey at each of the host installations. These liaison personnel made the successful execution of a difficult project possible: MAJ John Roper and CPT Raphael Deegan, Ft. McClellan; MAJ Lawrence Hall and SFC Norman Homan, Ft. Campbell; COL Robert Smoot and SGM Walter Taylor, Ft. Bragg; CPT Joel Weeks, Ft. Stewart; CPT Michael Robinson, Ft. Ord; LTC James Gildersleeve, MAJ Marguerite Campbell and CPT Joseph Dirac, Defense Language Institute; MAJ James Taylor, Ft. Lewis; MAJ James R. Sisson and MAJ Arne W. Owens, Ft. Hood; LTC Dees Stallings, Ft. Gordon; CPT Mark Becker, Ft. Jackson; COL James B. Sauer and CPT Anthony Shannon, Ft. Rucker; MAJ Dale E. Graham and CPT George Trotter, Ft. Dix.

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Also at Natick, LTC Stanley Holgate served as senior liaison officer for ANSUR. LTC Holgate's planning of feasible approaches to subject acquisition and his coordination of the acquisition of both facilities and subjects at each ANSUR post were critical to the success of this project. Ms. Beth Ann Holloway, in the capacity of 1LT, served as the Officer in Charge (OIC) at each post and the primary Natick military liaison in LTC Holgate's absence. In her role as OIC, Ms. Holloway kept day-to-day operations functioning smoothly and efficiently.

The data reported in this manuscript were collected by a specially recruited and trained measuring team, who, throughout a year of fieldwork, maintained the highest of professional standards. Ms. Jeryl Neff, the team leader, was responsible for overseeing data collection quality and for the maintenance of crew morale and professionalism. Field crew members, in alphabetical order, were: Donna Acton, Scott Anspach, Gary Ball, Karen Ball, Cindy Blackwell, Mary Bloom, Jeffery Bonner, John Crafts, Lee Gasaway, Lori Hedberg, Mike Herzing, Chuck Janini, Julie Janini, Anne Kaminski, Sara Kelly, Shirley Kristensen, Lisa Love, Jill Parks, Lisa Prenger, Amy Pulse, Lisa Richards, Robyn Tebbetts, Timi Trawick, and Phillip Walker.

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# 1987-1988 ANTHROPOMETRIC SURVEY OF U.S. ARMY PERSONNEL: SUMMARY STATISTICS INTERIM REPORT

## CHAPTER I

### INTRODUCTION

All U.S. military and many foreign services compile and maintain extensive collections of body-size information used primarily to guide the design and sizing of clothing, personal protective equipment, work stations, and computer-generated human models. In order to be effective, such a data base must be updated periodically to accurately reflect the body sizes and proportions of the military population it purports to represent.

The last anthropometric survey of U.S. Army men was conducted in 1966,<sup>1</sup> some 22 years or the equivalent of a military generation ago. A substantial proportion of the sample was young (88% were under 25 years old), and some 78% of the subjects were White. By comparison, only 44% of today's male soldiers are under 25, and 66% are White.<sup>2</sup> Blacks represent 25% of Army men today,<sup>2</sup> as compared to 15% in the 1966 survey.

The most recent body size survey of U.S. Army women was conducted in 1977<sup>3</sup> and, while more current than the male survey, is characterized by considerably greater differences in racial composition. Three-quarters of the 1977 survey subjects were White, and slightly less than one quarter were Black. Black women comprise more than 40% of today's Army. Whites slightly more than half.<sup>2</sup> The majority of today's Army women are aged 25 and over;<sup>2</sup> in the 1977 survey more than half were 25 and under.

Between 1970 and 1980, the percentage of women in the Army increased nearly sevenfold from 1.46% to 9.85%. Today, women make up 10.88% of Army personnel,<sup>2</sup> and with each passing year, more jobs are filled by women. This means that clothing, protective equipment, and workspaces, originally sized and designed to accommodate males only, must be modified and redesigned to accommodate the larger variations represented by an integrated male/female population.

It was apparent in the mid-80s that the Army's anthropometric data base had serious deficiencies that limited its applicability for current and future sizing, design, and procurement.<sup>4</sup> A comprehensive body-size study of U.S. Army men and women was undertaken in 1987-1988 to correct these deficiencies. The goals of the survey were to acquire a large body of data from comparably measured males and females to serve the Army's current design and engineering needs, as well as those anticipated for several decades into the future.

A number of new and improved methodologies in the areas of sampling, instrumentation, and verification were utilized. These included: a complex sampling plan designed to produce a data base that can be adapted to changing population demographics; simultaneous collection and processing of male and female data for the creation of an integrated data base; the use of portable computers for data entry and first-level editing in the field;<sup>5</sup> and the development and use of new measuring devices for the collection of head and hand data.<sup>6,7</sup>

A year of planning preceded the survey. During this time, hundreds of candidate dimensions were sifted to arrive at the final selection<sup>8,9</sup> which included 132 directly measured dimensions, and three-dimensional coordinates on 26 points of the head and face. Summary statistics for these dimensions, as well as an additional 60 derived dimensions, are reported in this volume. Over 8,000 hand photos were also taken as a permanent resource for future needs.

Although nearly 9,000 subjects were fully measured, several age and race categories were deliberately oversampled as a bankable resource to draw upon, should the proportion of these groups change in future years. Thus, the fully measured survey sample was further winnowed to carve out a working data base which reflects the proportions of men and women in various racial/ethnic and age groups found in today's Army.<sup>2</sup> It is this set of 1,774 men and 2,208 women--the working data base--whose measurement data appear in this interim report.

Tables 1, 2, and 3 outline the age and racial/ethnic distributions of male and female subjects in the working data base. Some 66.1% of the men in the working data base are White, 25.8% are Black, 3.8% are Hispanic, and the remaining 4.3% represent other racial/ethnic groups including Asians, Pacific Islanders, Native Americans, and others. Older subjects outnumber younger ones among the men, with 540 (30.4%) aged 31 and over, 448 (25.2%) between 25 and 30, 474 (26.6%) between 21 and 24, and 312 (17.6%) aged 20 and under.

Among the women, 51.6% of the subjects are White, 41.8% are Black, 2.6% are Hispanic, and 3.9% are divided among the other racial/ethnic groups. Some 480 (21.7%) female subjects are aged 31 and over, 706 (32.0%) are between 25 and 30, 659 (29.8%) are between 21 and 24, and 363 (16.4%) are aged 20 and under.

Included in this report are landmark and measurement descriptions, summary statistics and percentiles, and visual indices designed to help the user identify and locate dimensions of interest. A final report, currently in preparation, will provide additional information on: the sampling strategy; selection and use of survey dimensions; survey procedures; descriptions of instruments; illustrations of all landmarks, measurements, and instruments; and additional data, including frequency distributions of the measurement data and tabular demographic statistics describing the survey sample.

The working data in this report are given in Chapters III, IV, and V devoted to summary statistics and descriptions of the standard dimensions, the derived dimensions, and the headboard measurements, respectively. The landmarks used to define the origin and termination of the measurements made in this survey are listed and briefly described in Chapter II.

TABLE 1. Age Distribution of Subjects  
in the Working Data Base.

Females				Males			
<u>Age</u>	<u>Frequency</u>	<u>Percent</u>	<u>Cumulative Percent</u>	<u>Age</u>	<u>Frequency</u>	<u>Percent</u>	<u>Cumulative Percent</u>
17	0	.0	.0	17	1	.1	.1
18	47	2.1	2.1	18	27	1.5	1.6
19	132	6.0	8.1	19	128	7.2	8.8
20	184	8.3	16.4	20	156	8.8	17.6
21	155	7.0	23.5	21	133	7.5	25.1
22	149	6.7	30.2	22	141	7.9	33.0
23	176	8.0	38.2	23	98	5.5	38.6
24	179	8.1	46.3	24	102	5.7	44.3
25	151	6.8	53.1	25	100	5.6	49.9
26	142	6.4	59.6	26	94	5.3	55.2
27	133	6.0	65.6	27	65	3.7	58.9
28	103	4.7	70.2	28	70	3.9	62.9
29	103	4.7	74.9	29	59	3.3	66.2
30	74	3.4	78.3	30	60	3.4	69.6
31	64	2.9	81.2	31	61	3.4	73.0
32	82	3.7	84.9	32	56	3.2	76.2
33	64	2.9	87.8	33	62	3.5	79.7
34	62	2.8	90.6	34	42	2.4	82.0
35	41	1.9	92.4	35	51	2.9	84.9
36	43	1.9	94.4	36	44	2.5	87.4
37	33	1.5	95.9	37	42	2.4	89.7
38	19	.9	96.7	38	42	2.4	92.1
39	13	.6	97.3	39	36	2.0	94.1
40	19	.9	98.2	40	29	1.6	95.8
41	13	.6	98.8	41	28	1.6	97.4
42	5	.2	99.0	42	15	.8	98.2
43	4	.2	99.2	43	9	.5	98.7
44	5	.2	99.4	44	8	.5	99.2
45	4	.2	99.6	45	4	.2	99.4
46	4	.2	99.8	46	4	.2	99.6
47	2	.1	99.9	47	2	.1	99.7
48	1	.0	99.9	48	4	.2	99.9
49	1	.0	100.0	49	0	.0	99.9
50	1	.0	100.0	50	0	.0	99.9
51	0	.0	100.0	51	1	.1	100.0
TOTALS	2,208	99.9	100.0		1,774	99.9	100.0

TABLE 2. Racial/Ethnic Distribution of Subjects  
in the Working Data Base.

Females				Males			
<u>Race</u>	<u>Frequency</u>	<u>Percent</u>	<u>Cumulative Percent</u>	<u>Race</u>	<u>Frequency</u>	<u>Percent</u>	<u>Cumulative Percent</u>
White	1140	51.6	51.6	White	1172	66.1	66.1
Black	922	41.8	93.4	Black	458	25.8	91.9
Hispanic	58	2.6	96.0	Hispanic	68	3.8	95.7
Asian/Pacific	32	1.4	97.5	Asian/Pacific	28	1.6	97.3
American Indian	14	.6	98.1	American Indian	12	.7	98.0
Mixed/Other	42	1.9	100.0	Mixed/Other	36	2.0	100.0
TOTALS	2,208	99.9	100.0		1,774	100.0	100.0

TABLE 3. Percentage of Working Data Base Subjects  
by Age and Racial/Ethnic Category.

MALES						
<u>Age (yrs)</u>	<u>White</u>	<u>Black</u>	<u>Hispanic</u>	<u>Asian/ Pacific Island</u>	<u>American Indian/ Alaskan Native</u>	<u>Other</u>
≤ 20	12.63	3.78	0.56	0.23	0.11	0.28
21-24	17.93	6.93	0.90	0.34	0.11	0.51
25-30	15.39	7.67	1.07	0.39	0.11	0.62
≥ 31	20.12	7.44	1.30	0.62	0.34	0.62
FEMALES						
≤ 20	9.47	5.89	0.45	0.23	0.14	0.27
21-24	15.44	12.50	0.72	0.36	0.23	0.59
25-30	15.04	14.99	0.82	0.41	0.14	0.59
≥ 31	11.68	8.38	0.63	0.45	0.14	0.45

## CHAPTER II

### THE LANDMARKS

Dimensions are measured from one point on the body (or a fixed surface such as the floor) to another or, in the case of circumferences, around a part of the body at a specified level. To ensure that each dimension is measured accurately and consistently from subject to subject, dimensions are defined in terms of body landmarks, which serve as the origin, termination, or level of measurement of a dimension.

Two men and two women were trained in locating many of these points by palpation or by sight, and placing actual drawn marks on the bodies of all subjects in this survey. Measurers were also trained to recognize other easily located landmarks such as Dactylion II, the tip of the index finger, for which marking was not necessary.

The landmarks used to define the measurements in the survey are listed and briefly described below. Detailed illustrated instructions for locating these landmarks can be found in the Measurer's Handbook.<sup>10</sup>

#### **Abdominal point, anterior**

The most protruding point of the relaxed abdomen of a seated subject.

#### **Acromion, right and left**

The point of intersection of the lateral border of the acromial process and a line running down the middle of the shoulder from the neck to the tip of the shoulder.

#### **Acropodion**

The tip of the first or second toe, whichever is longer.

#### **Alare, right and left**

The lateral point on the flare or wing of the nose.

#### **Anterior superior iliac spine, right and left**

The anterior points of the right and left iliac crests.

#### **Axillary fold, posterior: right and left**

The highest points of the right and left axillary folds on the back.

#### **Biceps point**

The highest point of the right flexed biceps as viewed from the subject's right side.

**Bustpoint, right and left**

The anterior points of the bra cups.

**Buttock point, posterior**

Point of maximum protrusion of the right buttock of a standing subject.

**Buttock point, right lateral and left lateral**

Points on the thigh or hip at the level of the maximum protrusion of the right buttock.

**Calf**

A point on the side of the calf at the level of the maximum circumference of the right calf.

**Cervicale**

The superior palpable point of the spine of the seventh cervical vertebra.

**Cheilion, right and left**

The lateral point of the juncture of the fleshy tissue of the lips with the facial skin at the corner of the mouth.

**Chin**

The most protruding point on the bottom edge of the chin along the jawline.

**Clavicle point, right and left**

The superior points of the lateral ends of the clavicles.

**Crinion**

The lowest point of the hairline on the forehead in the midsagittal plane.

**Dactylion II**

The tip of the index finger.

**Dactylion III, right and left**

The tip of the middle finger.

**Deltoid point, right and left**

The lateral point of the right deltoid muscle and the margin of the left deltoid muscle at the level of the right deltoid point.



**Dorsal juncture of the calf and thigh**

The juncture between the right calf and thigh behind the knee of a subject sitting with the knee flexed 90 degrees.

**Dorsal juncture of the foot and leg**

The top of a skin crease between the foot and the front of the ankle when the knees and ankles are flexed about 30 degrees.

**Ear, bottom**

The lowest point of the ear on its long axis.

**Ear point**

The lateral point (farthest from the head) of the right ear.

**Ear, top**

The highest point of the ear on its long axis.

**Ectocanthus**

The outside corner of the right eye formed by the meeting of the upper and lower eyelids.

**Ectoorbitale**

The posterior point on the frontal process of the zygomatic bone at the level of the outer corner of the eye.

**Elbow crease**

The skin crease on the inside of the elbow joint when the elbow is flexed 90 degrees.

**Fifth metatarsophalangeal protrusion**

The lateral protrusion of the right foot in the region of the fifth metatarsophalangeal joint.

**First metatarsophalangeal protrusion**

The medial protrusion of the right foot in the region of the first metatarsophalangeal joint.

**Frontotemporale, right and left**

The point of deepest indentation of the temporal crest of the frontal bone above the browridges.

**Glabella**

The anterior point on the frontal bone midway between the bony browridges.

**Gluteal furrow point**

The lowest point of the lowest furrow or crease at the juncture of the right buttock and the thigh.

**Gonion**

The lateral point on the posterior angle of the mandible (jawbone).

**Heel point, lateral and medial**

The lateral and medial points of the right heel located at or behind the most protruding point of the lateral malleolus (outside ankle bone).

**Iliocristale**

The highest palpable point of the right iliac crest of the pelvis, one half the distance between the anterior superior iliac and posterior superior iliac spines.

**Inferior breast point**

The inferior point of the juncture of the lower of the two breasts with the torso.

**Infraorbitale**

The lowest point on the anterior border of the bony eye socket.

**Infrathyroid**

The inferior point in the midsagittal plane of the thyroid cartilage (Adam's apple).

**Inner thigh**

A vertical line halfway between the front and back of the right inner thigh, and extending downward from the level of the gluteal furrow.

**Knee point, anterior**

The most protruding point of the right kneecap of a seated subject.

**Lateral femoral epicondyle, standing and sitting**

Lateral point of the right femoral epicondyle (knee pivot point).

**Lateral malleolus**

The lateral point of the right lateral malleolus (outside ankle bone).

**Medial malleolus**

The medial point of the medial malleolus (inside ankle bone).

**Menton**

The inferior point of the mandible in the midsagittal plane (bottom of the chin).

**Metacarpale II**

The lateral point of the right metacarpophalangeal joint II (at the base of the index finger on the outer edge of the hand).

**Metacarpale V**

The medial point of the right metacarpophalangeal joint V (at the base of the little finger on the outer edge of the hand).

**Midpatella**

The anterior point halfway between the top and bottom of the right patella (the kneecap).

**Midshoulder**

The point on top of the right shoulder midway between the neck (right trapezius point) and the tip of the shoulder (acromion, right).

**Midspine**

A line down the center of the back.

**Neck: anterior, right lateral, and left lateral**

Anterior and lateral points at the base of the neck.

**Olecranon, bottom and rear**

The lowest and rearmost points of the elbow with the elbow flexed 90 degrees.

**Olecranon, center**

A point on the center of the curvature of the right olecranon process with the elbow flexed about 115 degrees.

**Otoposition superior**

The anterior superior point of the juncture between the right ear and the head.

**Posterior superior iliac spine**

The posterior point of the crest of the right ilium. A dimple normally overlies this point.

**Promenton**

The anterior projection of the soft tissue of the chin.

**Pronasale**

The point of the anterior projection of the tip of the nose.

**Pternion**

The posterior point of the right heel.

**Radiale**

The highest point on the outside edge of the radius.

**Scye**

Points on the upper arm and torso associated with the armhole of a garment. These landmarks were drawn with the subject standing erect and the arms relaxed at the sides:

**Anterior scye on the torso:** A short horizontal line on the torso originating at the apex of the anterior axillary fold.

**Anterior scye on the upper arm:** A short horizontal line on the upper arm originating at the apex of the anterior axillary fold.

**Posterior horizontal scye, right and left:** A short horizontal line on the back originating at the apex of the posterior axillary fold.

**Posterior vertical scye, right and left:** A short vertical line originating at the apex of the posterior axillary fold.

**Posterior diagonal scye, right and left:** A diagonal line connecting the apex of the posterior axillary fold with the **acromion** landmarks on the tip of the shoulder.

**Midsyc, right and left:** A short horizontal line bisecting the **posterior diagonal scye** landmark.

**Scye level at midspine:** A short horizontal line across the spine at the level of the **posterior horizontal scye** landmarks.

**Sellion**

The point of the deepest depression of the nasal bones at the top of the nose.

**Stomion**

The point of intersection of the upper and lower lip in the midsagittal plane when the mouth is closed.

**Stylian**

The lowest point of the bottom of the radius.

**Submandibular**

The juncture, in the midsagittal plane, of the lower jaw (mandible) and the neck.

**Subnasale**

The point of intersection of the philtrum (groove of the upper lip) with the inferior surface of the nose in the midsagittal plane.

**Suprapatella**

The superior point of the patella (kneecap).

**Suprasternale**

The inferior point of the jugular notch of the sternum (top of the breastbone).

**Tenth rib**

The inferior point of the right tenth rib (bottom of the rib cage).

**Thelion, right and left**

Center of the nipple (on males).

**Thigh point, top**

The highest point of the top of the right thigh of a seated subject (in measuring THIGH CLEARANCE).

**Thumbtip**

The tip of the right thumb.

**Top of head**

The highest point on the head when the head is in the Frankfort plane.

**Tragion, right and left**

The superior point on the juncture of the cartilaginous flap (tragus) of the ear with the head.

**Trapezius point, right and left**

The point at which the anterior border of the trapezius muscle crosses the lateral neck landmark.

**Trochanter**

A point at the center of the lateral surface of the greater trochanter of the right femur of a sitting subject.

**Trochanterion**

The superior point of the greater trochanter of the right femur of a standing subject.

**Waist (natural indentation): right and left; anterior and posterior**

The point of greatest indentation on the profile of the right side of the torso as viewed from the front of the subject, or one-half the distance between the tenth rib and the iliocristale landmarks if no indentation is present.

**Waist (omphalion): right and left; anterior and posterior**

Level of the center of the navel.

**Wrist, dorsal**

A line across the back of the wrist originating at the stylium landmark and perpendicular to the long axis of the arm.

**Zygion, right and left**

The lateral point on the zygomatic arch.

**Zygofrontale, right and left**

The lateral point of the frontal bone on its zygomatic process.

## CHAPTER III

### THE STANDARD MEASUREMENTS

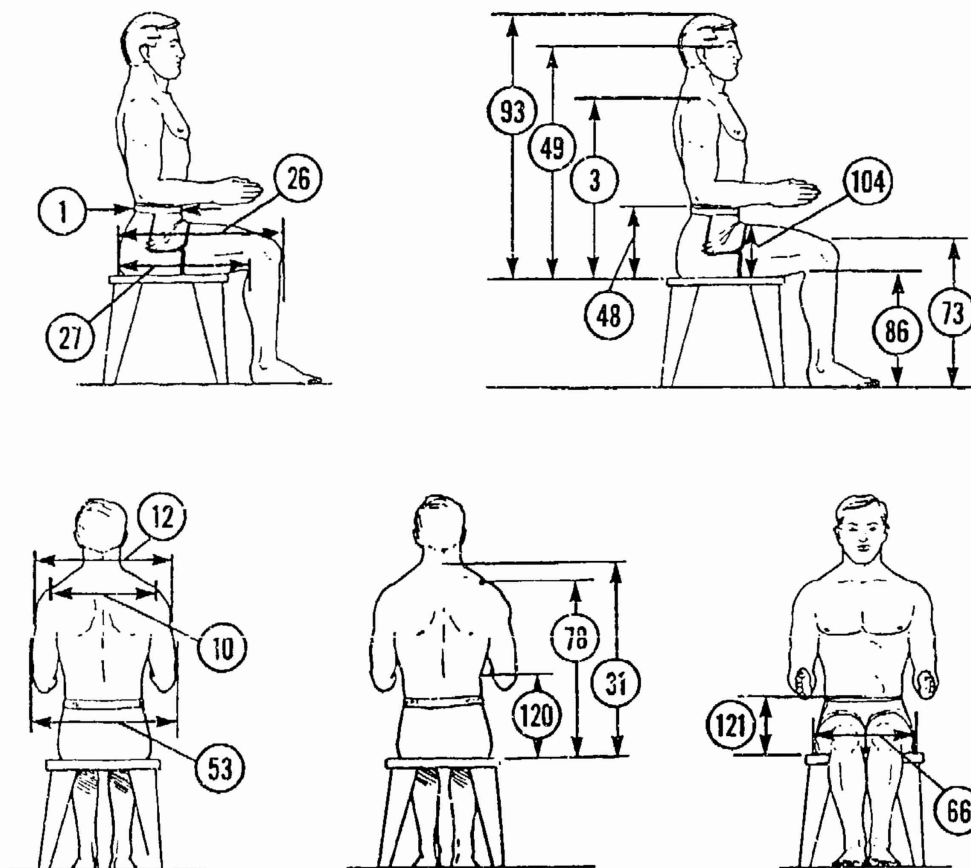
One hundred thirty-two directly measured dimensions were obtained in this survey using traditional measuring instruments and methods. Where there was a choice of right or left, all measurements were taken on the right side unless otherwise specified or in the rare cases where an injury or anatomical abnormality made it necessary to measure on the left side. All measurements were made to the nearest millimeter. Weight was taken to the nearest 0.1 kilogram. Detailed illustrated instructions for making these measurements can be found in the Measurer's Handbook.<sup>10</sup>

Summary statistics, including means, standard deviations, and percentile values for male and female subjects are tabulated on the ensuing pages. Users of these data will note .00 standard error (SE) values for some means and standard deviations. This occurs because values in these tables are not listed beyond two decimal places. It will also be noted that for crinion and interpupillary measurements the numbers of subjects are slightly below 2,208 females and 1,774 males. Crinion (the widow's peak) cannot be located on bald subjects or those with receding hairlines; thus measurements involving this landmark were not taken on some subjects.

In the case of INTERPUPILLARY BREADTH, the eyes of a few subjects were too close together or too far apart to be accommodated by the device used to measure this variable. There are four missing values (three male and one female) for INTERPUPILLARY BREADTH. These result from a limitation in the range of the pupillometer, which was capable of measuring from 52 mm to 76 mm. Two additional females have missing data due to medical conditions which prevented the measurement of INTERPUPILLARY BREADTH. The three males had an INTERPUPILLARY BREADTH which was larger than 76 mm, and the female had a value which was smaller than 52 mm. One male had a measured value of 78 mm, but this was measured in the traditional way, using a sliding caliper. This subject's value is recorded as 78 mm and is not considered missing. Nonmeasurable (i.e. missing) values at the ends of the distribution have a predictable effect on the summary statistics. The calculated female mean will be larger than the true mean, while the calculated male mean will be smaller than the true mean. The calculated standard deviation and variance for both sexes will be smaller than the true standard deviation and variance. The calculated female 1st percentile will be greater than the true 1st percentile, and the calculated male 99th percentile will be smaller than the true 99th percentile. Because the number of those missing is so small, however, the magnitude of these differences is quite small. In order to get an estimate of the magnitude, we recalculated the summary statistics after substituting 80 mm (the upper limit of the instrument plus one standard deviation) for the male missing values and 48 mm (the lower limit of the instrument minus one standard deviation) for the female missing value. The male mean increased by 0.02 mm, and the standard deviation by 0.05 mm. The percentiles were unchanged. The female mean decreased by 0.01 mm, while the standard deviation increased by 0.01 mm. The 1st percentile was decreased by 1 mm, but the remaining percentiles were unchanged. The practical effects of the limited range of the pupillometer are thus inconsequential.

A visual index, designed to assist the reader in locating particular dimensions whose names may be unfamiliar, appears on the following pages. Completing this section are brief measurement descriptions (page 24) and the summary statistics (page 47).

# VISUAL INDEX - THE STANDARD MEASUREMENTS



(1) ABDOMINAL EXTENSION DEPTH,  
SITTING

(3) ACROMIAL HEIGHT, SITTING

(10) BIACROMIAL BREADTH

(12) BIDELOID BREADTH

(26) BUTTOCK-KNEE LENGTH

(27) BUTTOCK-POPLITEAL LENGTH

(31) CERVICALE HEIGHT, SITTING

(48) ELBOW REST HEIGHT

(49) EYE HEIGHT, SITTING

(53) FOREARM-FOREARM BREADTH

(66) HIP BREADTH, SITTING

(73) KNEE HEIGHT, SITTING

(78) MIDSHOULDER HEIGHT, SITTING

(86) POPLITEAL HEIGHT

(93) SITTING HEIGHT

(104) THIGH CLEARANCE

(120) WAIST HEIGHT, SITTING

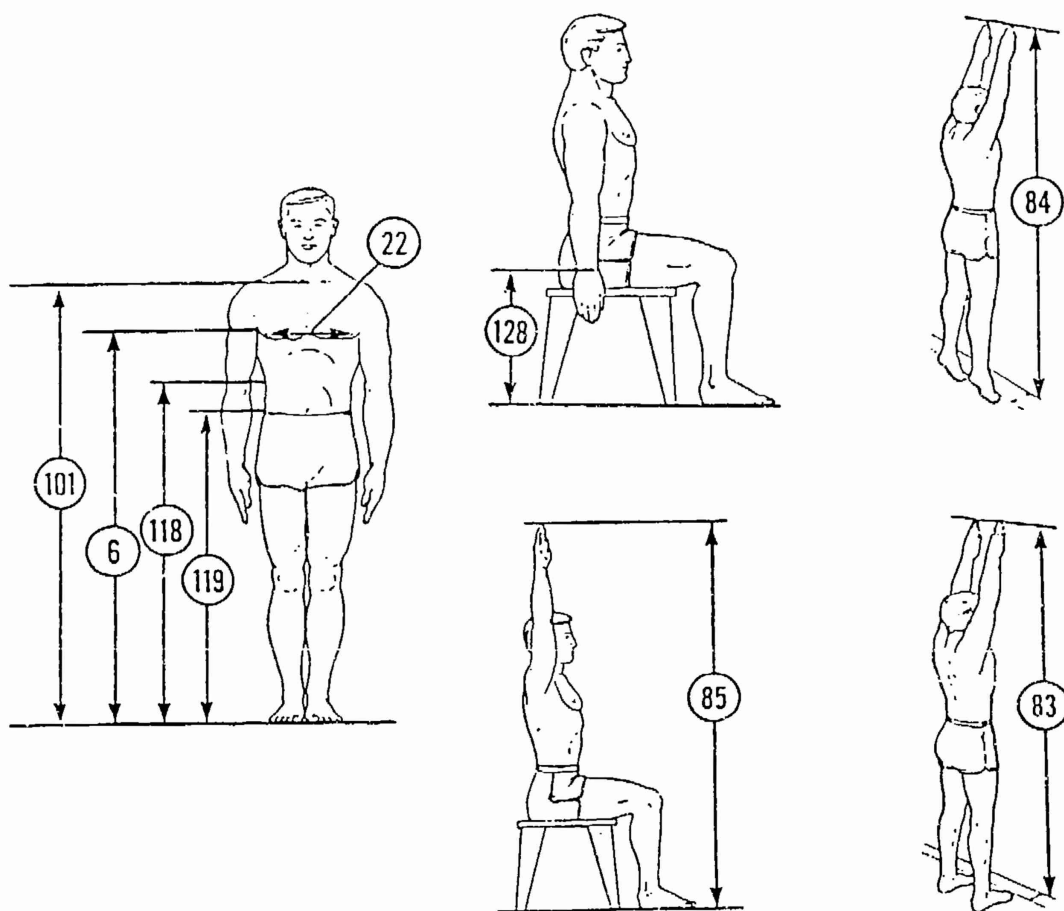
(NATURAL INDENTATION)

(121) WAIST HEIGHT, SITTING

(OMPHALION)

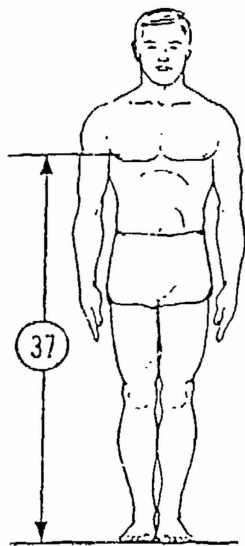
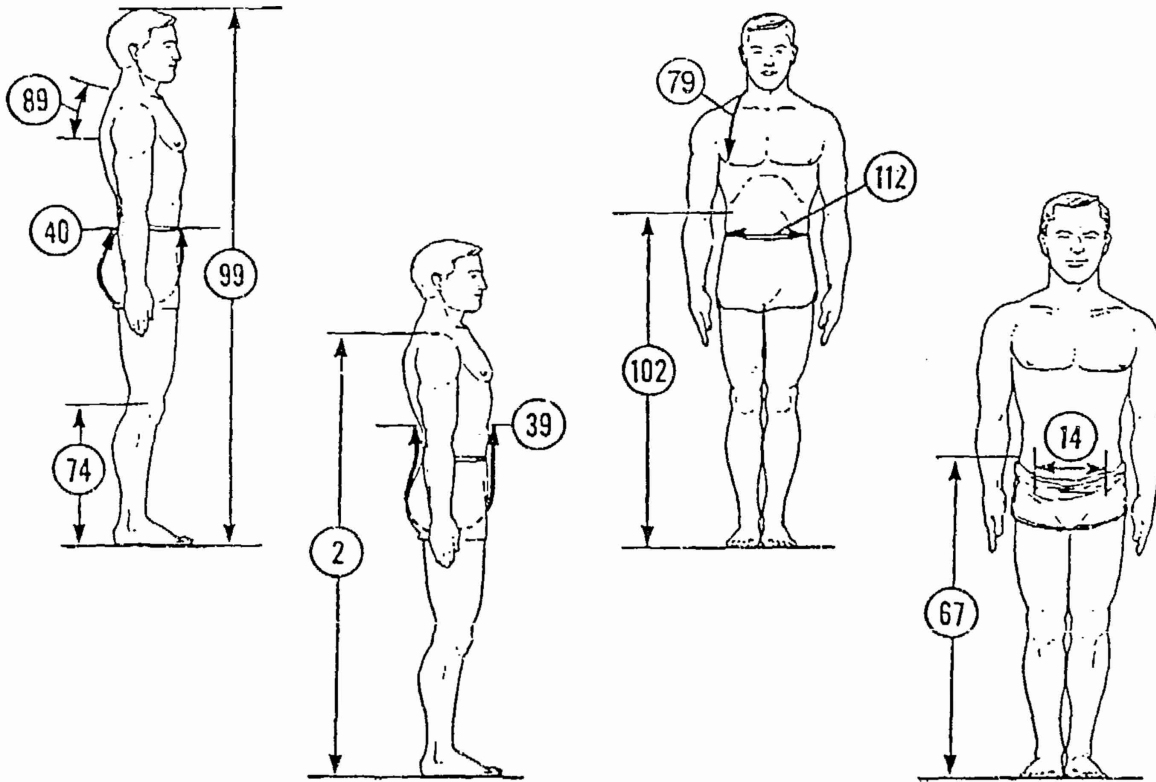


# VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



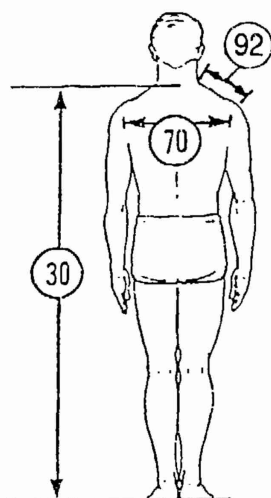
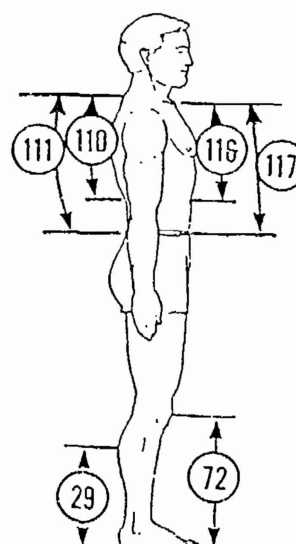
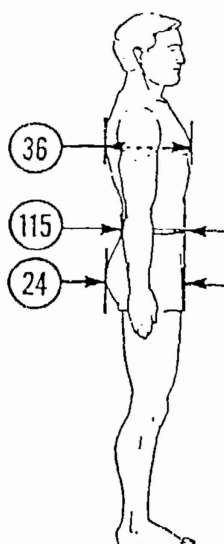
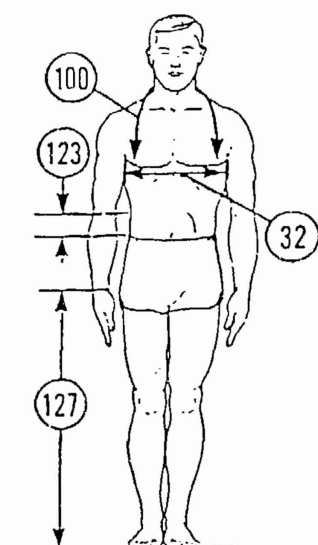
- (6) AXILLA HEIGHT
- (22) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH
- (83) OVERHEAD FINGERTIP REACH
- (84) OVERHEAD FINGERTIP REACH, EXTENDED
- (85) OVERHEAD FINGERTIP REACH, SITTING
- (101) SUPRASTERNAL HEIGHT
- (118) WAIST HEIGHT (NATURAL INDENTATION)
- (119) WAIST HEIGHT (OMPHALION)
- (128) WRIST HEIGHT, SITTING

# VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



- (2) ACROMIAL HEIGHT
- (14) BISPINOUS BREADTH
- (37) CHEST HEIGHT
- (39) CROTCH LENGTH (NATURAL INDENTATION)
- (40) CROTCH LENGTH (OMPHALION)
- (67) ILIOCRISTALE HEIGHT
- (74) LATERAL FEMORAL EPICONDYLE HEIGHT
- (79) NECK-BUSTPOINT/THELION LENGTH
- (89) SCYE DEPTH
- (99) STATURE
- (102) TENTH RIB HEIGHT
- (112) WAIST BREADTH

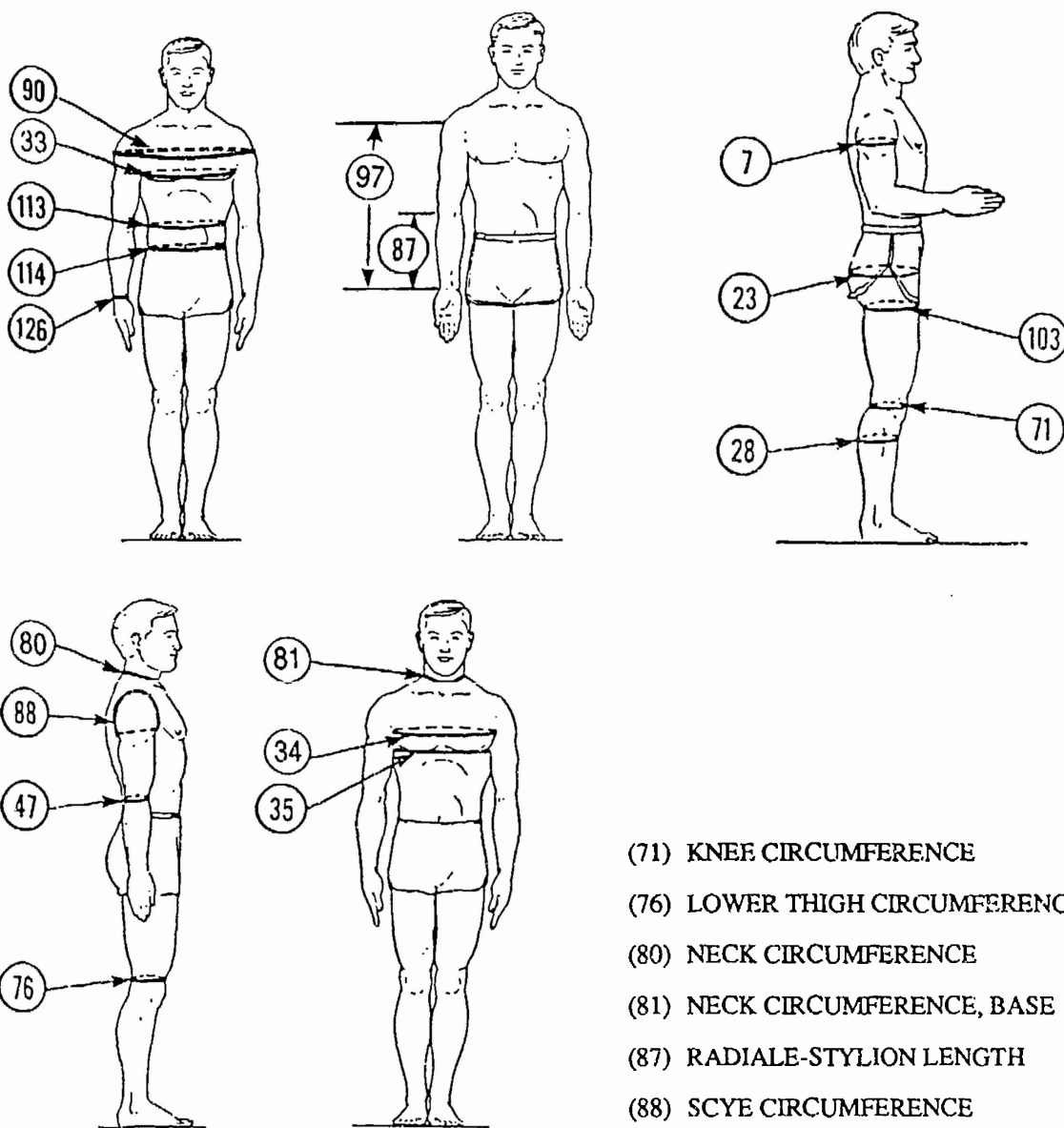
# VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



- (24) BUTTOCK DEPTH
- (29) CALF HEIGHT
- (30) CERVICALE HEIGHT
- (32) CHEST BREADTH

- (36) CHEST DEPTH
- (70) INTERSCYE II
- (72) KNEE HEIGHT, MIDPATELLA
- (92) SHOULDER LENGTH
- (100) STRAP LENGTH
- (110) WAIST BACK LENGTH (NATURAL INDENTATION)
- (111) WAIST BACK LENGTH (OMPHALION)
- (115) WAIST DEPTH
- (116) WAIST FRONT LENGTH (NATURAL INDENTATION)
- (117) WAIST FRONT LENGTH (OMPHALION)
- (123) WAIST (NATURAL INDENTATION) TO WAIST (OMPHALION) LENGTH
- (127) WRIST HEIGHT

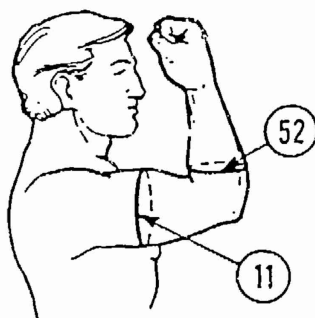
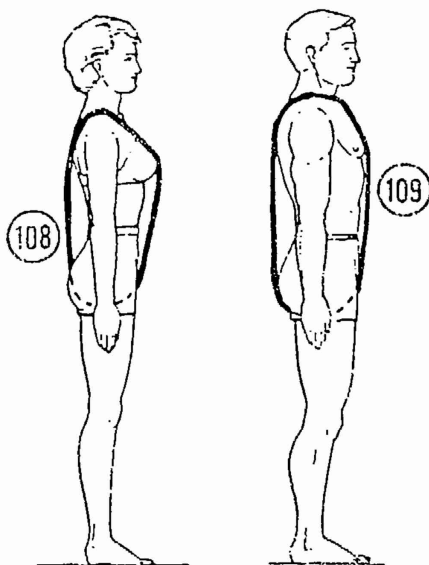
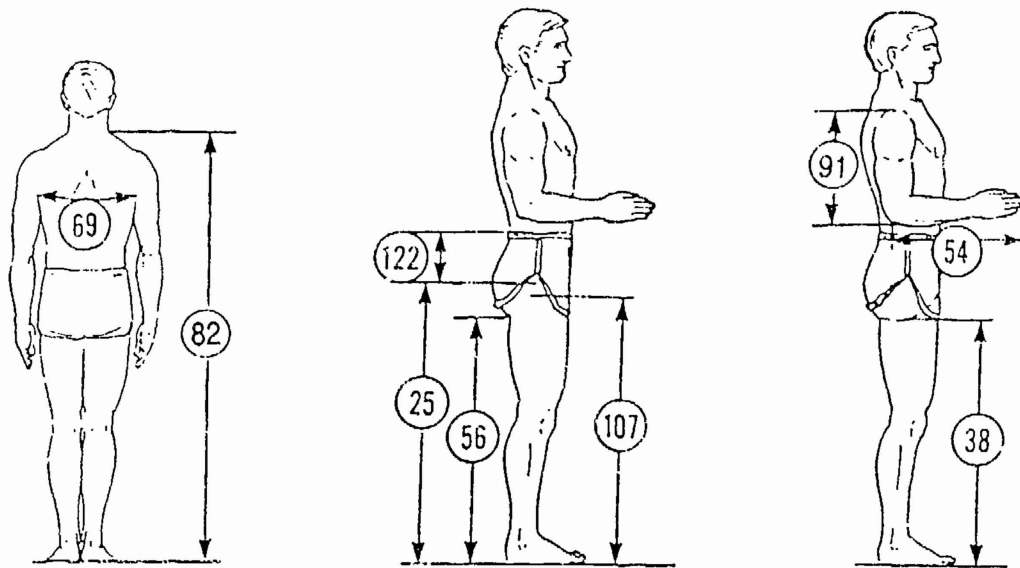
# VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



(7) AXILLARY ARM CIRCUMFERENCE  
 (23) BUTTOCK CIRCUMFERENCE  
 (28) CALF CIRCUMFERENCE  
 (34) CHEST CIRCUMFERENCE AT SCYE  
 (33) CHEST CIRCUMFERENCE  
 (35) CHEST CIRCUMFERENCE BELOW BREAST  
 (47) ELBOW CIRCUMFERENCE

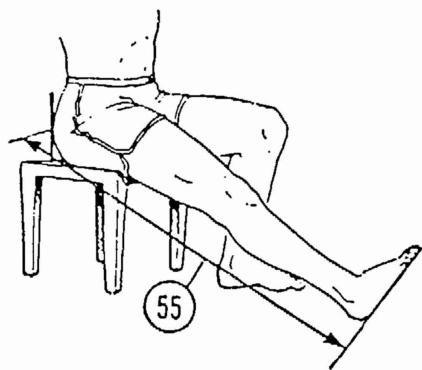
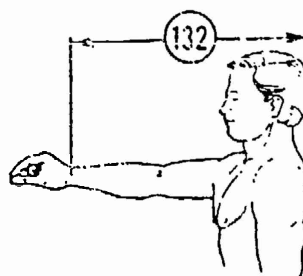
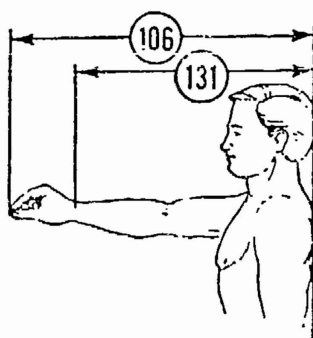
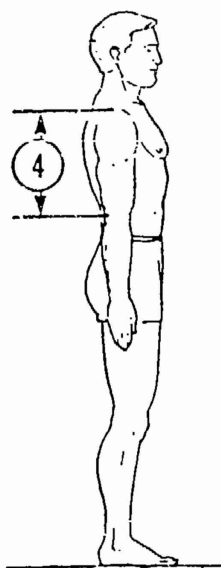
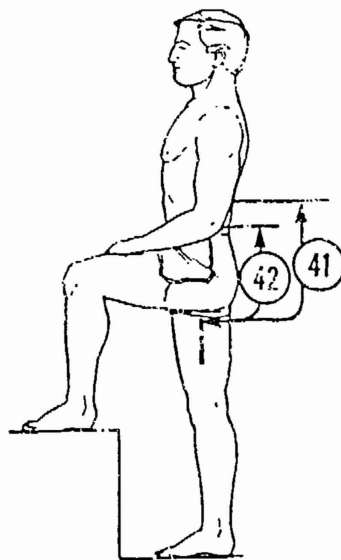
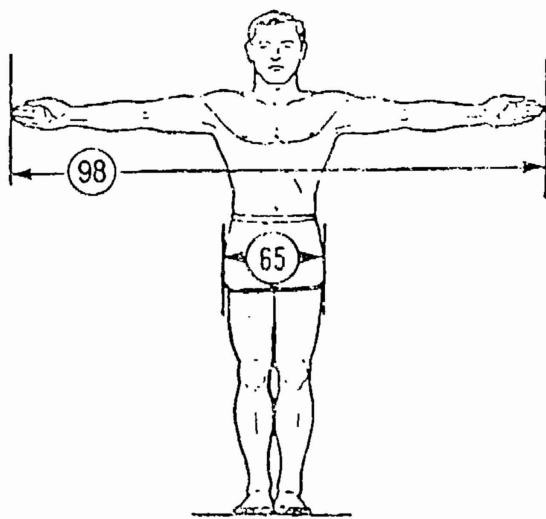
(71) KNEE CIRCUMFERENCE  
 (76) LOWER THIGH CIRCUMFERENCE  
 (80) NECK CIRCUMFERENCE  
 (81) NECK CIRCUMFERENCE, BASE  
 (87) RADIALE-STYLION LENGTH  
 (88) SCYE CIRCUMFERENCE  
 (90) SHOULDER CIRCUMFERENCE  
 (97) SLEEVE OUTSEAM  
 (103) THIGH CIRCUMFERENCE  
 (113) WAIST CIRCUMFERENCE  
 (NATURAL INDENTATION)  
 (114) WAIST CIRCUMFERENCE  
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 (126) WRIST CIRCUMFERENCE

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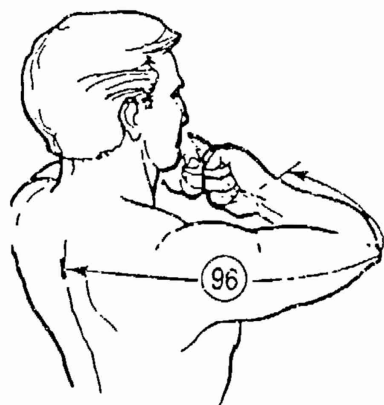
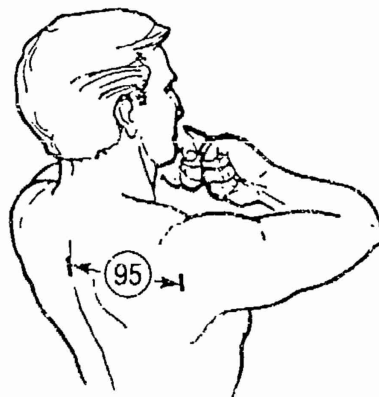
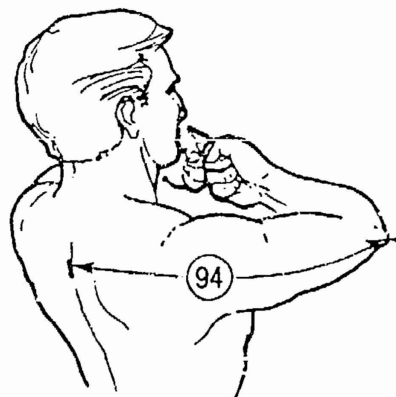
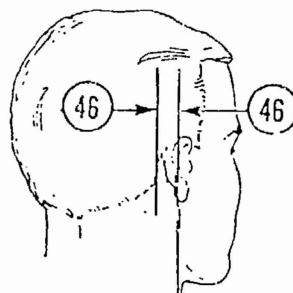
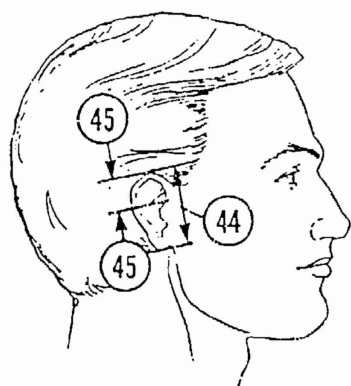
- (11) BICEPS CIRCUMFERENCE, FLEXED
- (25) BUTTOCK HEIGHT
- (38) CROTCH HEIGHT
- (52) FOREARM CIRCUMFERENCE, FLEXED
- (54) FOREARM-HAND LENGTH
- (56) GLUTEAL FURROW HEIGHT
- (69) INTERSCYE I
- (82) NECK HEIGHT, LATERAL
- (91) SHOULDER-ELBOW LENGTH
- (107) TROCHANTERIC HEIGHT
- (108) VERTICAL TRUNK CIRCUMFERENCE (ASCC)
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- (4) ACROMION-RADIALE LENGTH
- (41) CROTCH LENGTH, POSTERIOR  
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- (42) CROTCH LENGTH, POSTERIOR (OMPHALION)
- (55) FUNCTIONAL LEG LENGTH
- (65) HIP BREADTH
- (98) SPAN
- (106) THUMB TIP REACH
- (131) WRIST-WALL LENGTH
- (132) WRIST-WALL LENGTH, EXTENDED

# VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



(44) EAR LENGTH

(45) EAR LENGTH ABOVE TRIGNON

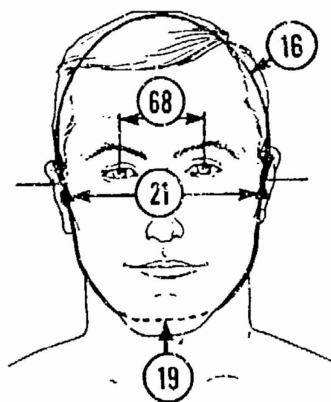
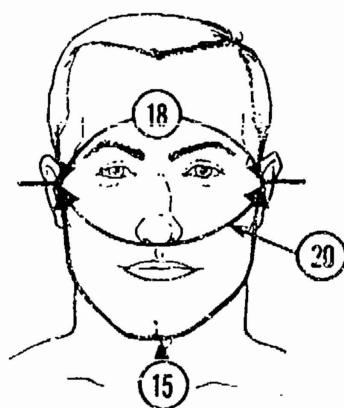
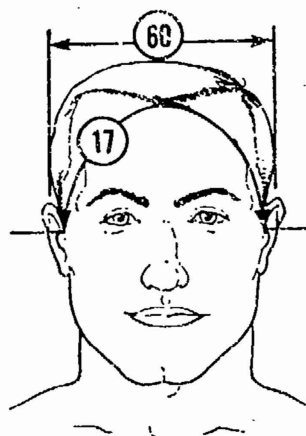
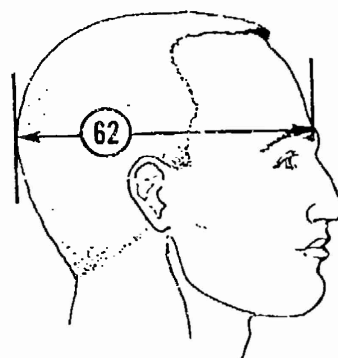
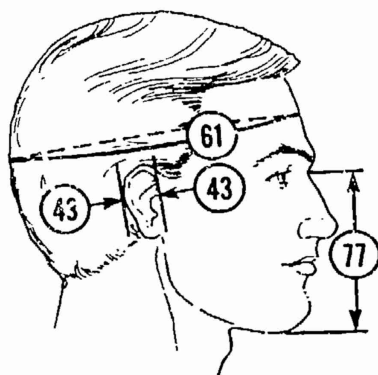
(46) EAR PROTRUSION

(94) SLEEVE LENGTH: SPINE-ELBCW

(95) SLEEVE LENGTH: SPINE-SCYE

(96) SLEEVE LENGTH: SPINE-WRIST

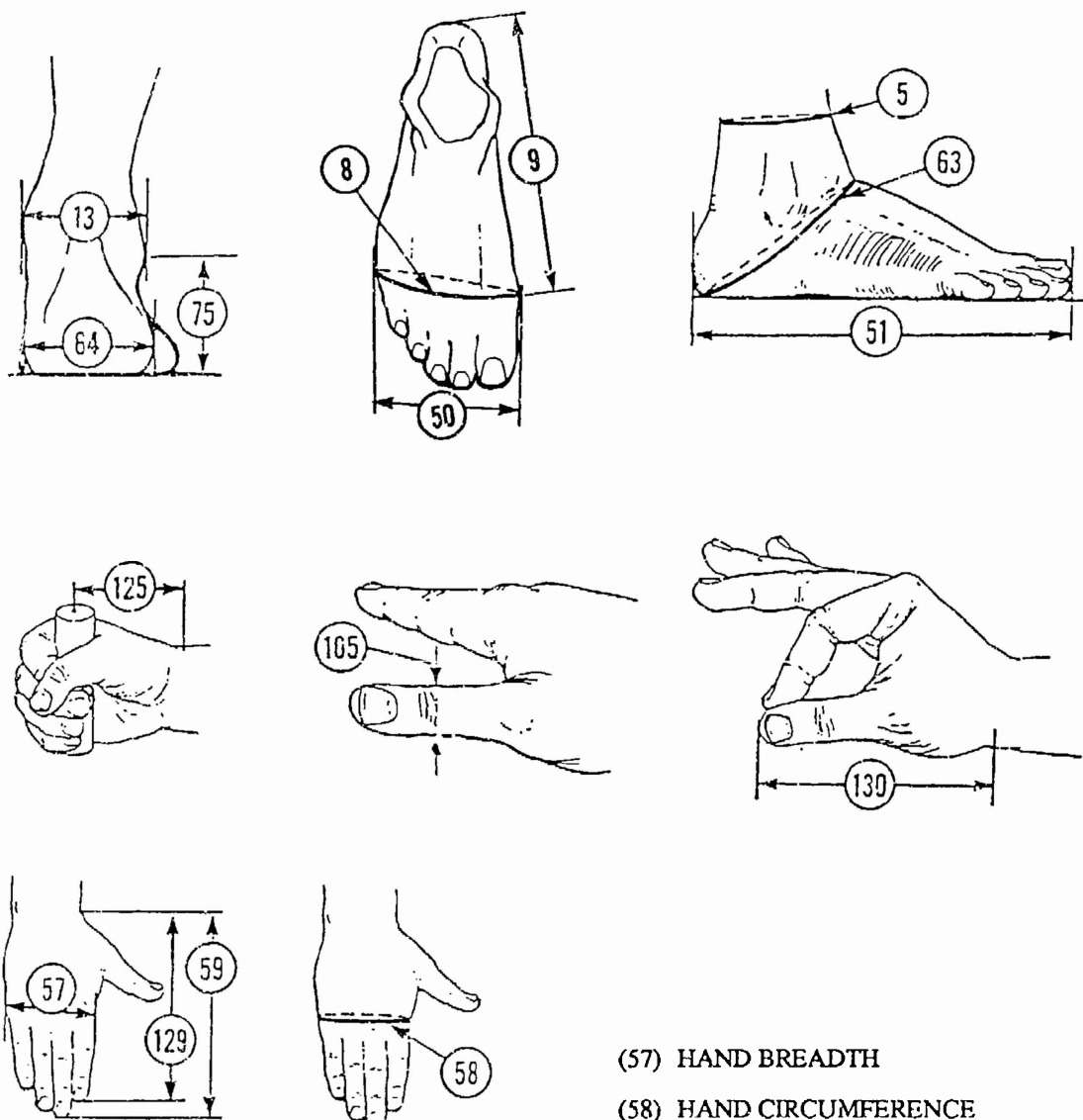
VISUAL INDEX - THE STANDARD MEASUREMENTS (Continued)



- (15) BITRACION CHIN ARC
- (16) BITRACION CORONAL ARC
- (17) BITRACION CRINION ARC
- (18) BITRACION FRONTAL ARC
- (19) BITRACION SUBMANDIBULAR ARC
- (20) BITRACION SUBNASALE ARC
- (21) BIZYGOMATIC BREADTH
- (43) EAR BREADTH
- (60) HEAD BREADTH
- (61) HEAD CIRCUMFERENCE
- (62) HEAD LENGTH
- (68) INTERPUPILLARY BREADTH
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- (5) ANKLE CIRCUMFERENCE
- (8) BALL OF FOOT CIRCUMFERENCE
- (9) BALL OF FOOT LENGTH
- (13) BIMALLEOLAR BREADTH
- (50) FOOT BREADTH, HORIZONTAL
- (51) FOOT LENGTH

- (57) HAND BREADTH
- (58) HAND CIRCUMFERENCE
- (59) HAND LENGTH
- (63) HEEL ANKLE CIRCUMFERENCE
- (64) HEEL BREADTH
- (75) LATERAL MALLEOLUS HEIGHT
- (105) THUMB BREADTH
- (125) WRIST-CENTER OF GRIP LENGTH
- (129) WRIST-INDEX FINGER LENGTH
- (130) WRIST-THUMB TIP LENGTH

## STANDARD MEASUREMENT DESCRIPTIONS

### (1) ABDOMINAL EXTENSION DEPTH, SITTING

The horizontal distance between the anterior point of the abdomen and the back at the same level is measured with a beam caliper. The subject sits erect looking straight ahead. The measurement is made at the maximum point of quiet respiration.

### (2) ACROMIAL HEIGHT

The vertical distance between a standing surface and the acromion landmark on the tip of the right shoulder is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

### (3) ACROMIAL HEIGHT, SITTING

The vertical distance between a sitting surface and the acromion landmark on the tip of the right shoulder is measured with an anthropometer. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The measurement is made at the maximum point of quiet respiration.

### (4) ACROMION-RADIALE LENGTH

The distance between the acromion landmark on the tip of the right shoulder and the radiale landmark on the right elbow is measured with a beam caliper held parallel to the long axis of the arm. The subject stands erect. The shoulders and upper extremities are relaxed with the palms facing the thighs.

### (5) ANKLE CIRCUMFERENCE

The minimum horizontal circumference of the right ankle is measured with a tape. The subject stands with the feet about 10 cm apart and the weight distributed equally on both feet.

### (6) AXILLA HEIGHT

The vertical distance between a standing surface and the right axillary fold, as designated by the anterior-scye-on-the-torso landmark, is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight

distributed equally on both feet. The shoulders and upper extremities are relaxed with the palms facing the thighs. The measurement is taken at the maximum point of quiet respiration.

(7) **AXILLARY ARM CIRCUMFERENCE**

The circumference of the right upper arm perpendicular to its long axis at the level of the anterior-scapula-on-the-upper-arm landmark is measured with a tape. The subject stands erect looking straight ahead with shoulders and upper extremities relaxed and the palms facing the sides.

(8) **BALL OF FOOT CIRCUMFERENCE**

The circumference of the foot at the first and fifth metatarsophalangeal landmarks on the ball of the right foot is measured with a tape. The subject stands with the feet about 10 cm apart and the weight distributed equally on both feet.

(9) **BALL OF FOOT LENGTH**

The distance from the back of the heel to the landmark at the first metatarsophalangeal protrusion on the ball of the right foot is measured in a footbox. The subject stands erect with each foot in a footbox. The weight is distributed equally on both feet. The medial side of the right foot is parallel with the long axis of the box.

(10) **BIACROMIAL BREADTH**

The distance between the right and left acromion landmarks at the tips of the shoulders is measured with a beam caliper. The subject sits erect. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The measurement is taken at the maximum point of quiet respiration.

(11) **BICEPS CIRCUMFERENCE, FLEXED**

The circumference of the right upper arm around the flexed biceps muscle is measured with a tape held perpendicular to the long axis of the upper arm. The subject stands with the upper arm extended horizontally and the elbow flexed 90 degrees. The fist is clenched and held facing the head, and the subject exerts maximum effort in "making a muscle."

(12) **BIDELTOID BREADTH**

The maximum horizontal distance between the lateral margins of the upper arms on the deltoid muscles is measured with a beam caliper. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are

extended forward horizontally with the palms facing each other. The measurement is made at the maximum point of quiet respiration.

(13) **BIMALLEOLAR BREADTH**

The horizontal distance between the maximum protrusions of the ankle bones (lateral and medial malleoli) of the right foot is measured with a Holtain caliper. The subject stands with the weight equally distributed on both feet.

(14) **BISPINOUS BREADTH**

The straight-line distance between the right and left anterior superior iliac spine landmarks is measured with a beam caliper. The subject stands looking straight ahead with the heels together and the weight distributed equally on both feet. **Note:** The possibility of slight variations in measuring techniques between male and female measurers should be noted when combining male and female data for this dimension. (See Chapter VII.)

(15) **BITRAGION CHIN ARC**

The surface distance between the right and left tragon landmarks across the chin landmark at the tip of the chin is measured with a tape. The teeth are lightly occluded.

(16) **BITRAGION CORONAL ARC**

The surface distance between the right and left tragon landmarks across the top of the head is measured with a tape. The head is in the Frankfort plane.

(17) **BITRAGION CRINION ARC**

The surface distance between the right and left tragon landmarks across the top of the forehead at the lowest point of the hairline (crinion) is measured with a tape.

(18) **BITRAGION FRONTAL ARC**

The surface distance between the right and left tragon landmarks across the forehead just above the ridges of the eyebrow is measured with a tape.

(19) **BITRAGION SUBMANDIBULAR ARC**

The surface distance between the right and left tragon landmarks across the submandibular landmark at the juncture of the jaw and the neck is measured with a tape. The head is in the Frankfort plane and the teeth are lightly occluded.

(20) BITRAGION SUBNASALE ARC

The surface distance between the right and left tragon landmarks across the subnasale landmark just under the nose is measured with a tape.

(21) BIZYGOMATIC BREADTH

The maximum horizontal breadth of the face (between the zygomatic arches) is measured with a spreading caliper.

(22) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH

The distance between the right and left bustpoint landmarks on women and the center of the nipples (thelion) on men is measured with a beam caliper. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(23) BUTTOCK CIRCUMFERENCE

The horizontal circumference of the trunk at the level of the maximum protrusion of the right buttock is measured with a tape. The subject stands erect with the heels together and the weight equally distributed on both feet.

(24) BUTTOCK DEPTH

The horizontal depth of the torso at the level of the maximum protrusion of the right buttock is measured using a beam caliper with a fixed paddle blade. The subject stands erect with the heels together and the weight distributed equally on both feet.

(25) BUTTOCK HEIGHT

The vertical distance between a standing surface and the level of the maximum protrusion of the right buttock is measured with an anthropometer at the right side of the thigh. The subject stands erect with the heels together and the weight distributed equally on both feet.

(26) BUTTOCK-KNEE LENGTH

The horizontal distance between a buttock plate placed at the most posterior point on either buttock and the anterior point of the right knee is measured with an anthropometer. The subject sits erect. The thighs are parallel and the knees flexed 90 degrees with the feet in line with the thighs.

(27) BUTTOCK-POPLITEAL LENGTH

The horizontal distance between a buttock plate placed at the most posterior point on either buttock and the back of the right knee (the popliteal fossa at the dorsal juncture of the calf and thigh) is measured with an anthropometer. The subject sits erect. The thighs are parallel and the knees flexed 90 degrees with the feet in line with the thighs.

(28) CALF CIRCUMFERENCE

The maximum horizontal circumference of the right calf is measured with a tape. The subject stands erect with the heels approximately 10 cm apart and the weight distributed equally on both feet.

(29) CALF HEIGHT

The vertical distance between a standing surface and the level of the maximum circumference of the right calf is measured with an anthropometer. The subject stands erect with the heels together and the weight distributed equally on both feet.

(30) CERVICALE HEIGHT

The vertical distance between a standing surface and the cervicale landmark on the spine at the base of the neck is measured with an anthropometer. The subject stands erect with the head in the Frankfort plane. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(31) CERVICALE HEIGHT, SITTING

The vertical distance between a sitting surface and the cervicale landmark on the spine at the base of the neck is measured with an anthropometer. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The thighs are parallel and the knees are flexed 90 degrees. The measurement is taken at the maximum point of quiet respiration.

(32) CHEST BREADTH

The maximum horizontal breadth of the chest at the level of the right bustpoint on women or the nipple on men is measured with a beam caliper. The subject stands erect looking straight ahead with the heels together, the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration. **Note:** Breast tissue and latissimus dorsi muscle tissue are NOT included in this measurement if they extend beyond the rib cage.

(33) CHEST CIRCUMFERENCE

The maximum horizontal circumference of the chest at the fullest part of the breast is measured with a tape. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(34) CHEST CIRCUMFERENCE AT SCYE

The horizontal circumference of the chest at the level of the scye-at-midspine landmark is measured with a tape. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(35) CHEST CIRCUMFERENCE BELOW BREAST

The horizontal circumference of the chest at the level of the inferior juncture of the lowest breast with the rib cage is measured with a tape. On women, the tape may lie on the bra. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(36) CHEST DEPTH

The horizontal distance between the chest, at the level of the right bustpoint on women or the nipple on men, and the back at the same level is measured with a beam caliper. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(37) CHEST HEIGHT

The vertical distance between a standing surface and the right bustpoint on women or the nipple on men is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(38) CROTCH HEIGHT

The vertical distance between the standing surface and the crotch is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together and the weight is distributed equally on both feet.

(39) CROTCH LENGTH (NATURAL INDENTATION)

The distance between the abdomen at the level of the natural indentation of the waist to the same level on the back is measured with a tape passing through the crotch to the right of the genitalia. The tape is held vertically both in front and in back. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration.

(40) CROTCH LENGTH (OMPHALION)

The distance between the abdomen at the level of the center of the navel (omphalion) to the same level on the back is measured with a tape passing through the crotch to the right of the genitalia. The tape is held vertically both in front and in back. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration.

(41) CROTCH LENGTH, POSTERIOR (NATURAL INDENTATION)

The surface distance from the crotch at the inner thigh landmark to the back of the waist at the posterior natural-indentation landmark is measured with a tape. The tape passes between the buttocks to the back of the waist. The subject stands with the left foot on a platform so that the knee is flexed.

(42) CROTCH LENGTH, POSTERIOR (OMPHALION)

The surface distance from the crotch at the inner thigh landmark to the back of the waist at the level of the center of the navel (omphalion) is measured with a tape. The tape passes between the buttocks to the back of the waist. The subject stands with the left foot on a platform so that the knee is flexed.

(43) EAR BREADTH

The maximum breadth of the right ear perpendicular to its long axis is measured with a sliding caliper.

(44) EAR LENGTH

The length of the right ear from its highest to lowest points on a line parallel to the long axis of the ear is measured with a sliding caliper.



(45) EAR LENGTH ABOVE TRAGION

The distance from the right tragon landmark to the top of the right ear on a line parallel to the long axis of the ear is measured with a sliding caliper.

(46) EAR PROTRUSION

The horizontal distance between the mastoid process (the bony area behind the bottom of the ear) and the outside edge of the right ear at its most lateral point is measured using a sliding caliper with its slide reversed.

(47) ELBOW CIRCUMFERENCE

The circumference of the right elbow in a plane perpendicular to the long axis of the arm is measured with a tape passing around the elbow at the level of the olecranon-center landmark. The subject stands with the arm straight and slightly away from the side.

(48) ELBOW REST HEIGHT

The vertical distance between a sitting surface and the olecranon landmark on the bottom of the flexed right elbow is measured with an anthropometer. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The measurement is taken at the maximum point of quiet respiration.

(49) EYE HEIGHT, SITTING

The vertical distance between a sitting surface and the ectocanthus landmark on the outer corner of the right eye is measured with an anthropometer. The subject sits erect with the head in the Frankfort plane. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The thighs are parallel and the knees are flexed 90 degrees with the feet in line with the thighs. The measurement is taken at the maximum point of quiet respiration.

(50) FOOT BREADTH, HORIZONTAL

The maximum breadth of the right foot is measured on a footbox scale. The subject stands with each foot in a footbox and the weight distributed equally on both feet. The heel of the right foot lightly touches the back of the box, and the side of the foot at the fifth-metatarsophalangeal-protrusion landmark lightly touches the side of the box. The medial side of the foot is parallel to the long axis of the box. A block is placed against the landmark at the first metatarsophalangeal protrusion to establish the measurement on the scale.

(51) FOOT LENGTH

The maximum length of the right foot is measured on a footbox scale. The subject stands with each foot in a footbox and the weight distributed equally on both feet. The heel of the right foot lightly touches the back of the box, and the side of the foot at the fifth-metatarsophalangeal-protrusion landmark lightly touches the side of the box. The medial side of the foot is parallel to the long axis of the box. A block is placed against the tip of the longest toe to establish the measurement on the scale.

(52) FOREARM CIRCUMFERENCE, FLEXED

The circumference of the flexed right forearm is measured with a tape passing across the crease at the juncture between the upper arm and the forearm. The measurement is made in a plane perpendicular to the long axis of the forearm. The subject stands with the upper arm extended forward horizontally, the elbow flexed 90 degrees, and the fist tightly clenched and held facing the head.

(53) FOREARM-FOREARM BREADTH

The maximum horizontal distance across the upper body between the outer sides of the forearms is measured with a beam caliper. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The measurement is taken at the maximum point of quiet respiration.

(54) FOREARM-HAND LENGTH

The horizontal distance between the back of the tip of the right elbow to the tip of the right middle finger is measured with a beam caliper. The subject stands erect with the upper arms hanging at the sides and the right elbow flexed 90 degrees. The hand is held out straight with the palm facing inward.

(55) FUNCTIONAL LEG LENGTH

The straight-line distance between the plane of the bottom of the right foot with the leg extended and the back of the body of a seated subject is measured with an anthropometer passing over the trochanter landmark on the side of the hip. The subject sits erect on a stool 40.8 cm high. The right leg is extended and the foot is on the base plate of the anthropometer, which rests on the floor. The measurement is made from the footrest surface of the base plate.

(56) **GLUTEAL FURROW HEIGHT**

The vertical distance between a standing surface and the lowest point of the gluteal furrow(s) under the right buttock is measured with an anthropometer. The subject stands erect with the heels together and the weight distributed equally on both feet.

(57) **HAND BREADTH**

The breadth of the right hand between the landmarks at metacarpale II and metacarpale V is measured with a sliding caliper. The subject places the palm on a table, the fingers together and the thumb abducted. The middle finger is parallel to the long axis of the forearm. The two distal phalanges of the fingers lie on a flat surface 8 mm higher than the table.

(58) **HAND CIRCUMFERENCE**

The circumference of the right hand is measured with a tape passing over the landmarks at metacarpale II and metacarpale V. The subject places the palm on a table, the fingers together, and the thumb abducted. The middle finger is parallel to the long axis of the forearm. The two distal phalanges of the fingers lie on a flat surface 8 mm higher than the table.

(59) **HAND LENGTH**

The length of the right hand between the stylium landmark on the wrist and the tip of the middle finger is measured with a Poech sliding caliper. The subject places the palm on a table, the fingers together, and the thumb abducted. The middle finger is parallel to the long axis of the forearm. The two distal phalanges of the fingers lie on a flat surface 8 mm higher than the table.

(60) **HEAD BREADTH**

The maximum horizontal breadth of the head above the attachment of the ears is measured with a spreading caliper.

(61) **HEAD CIRCUMFERENCE**

The maximum circumference of the head above the attachment of the ears to the head is measured with a tape passing just above the ridges of the eyebrows and around the back of the head.

(62) HEAD LENGTH

The distance from the glabella landmark between the browridges to the posterior point on the back of the head is measured with a spreading caliper.

(63) HEEL ANKLE CIRCUMFERENCE

The circumference of the right foot at the ankle and base of the heel is measured with a tape passing over the point at which the heel first contacts the table and over the dorsal-juncture-of-the-foot-and-leg landmark at the front of the ankle. The subject stands with the feet about 10 cm apart and the weight distributed equally on both feet.

(64) HEEL BREADTH

The maximum horizontal distance between the medial and lateral points on the inside and outside of the right heel, at or posterior to the lateral malleolus landmark, is measured with a Holtain caliper. The measurement is taken just above the level of the standing surface at the most protruding points of the curvature of the heel. The subject stands with the feet about 10 cm apart and the weight distributed equally on both feet.

(65) HIP BREADTH

The horizontal distance between the lateral buttock landmarks on the sides of the hips is measured with a beam caliper. The subject stands erect with the heels together and the weight distributed equally on both feet.

(66) HIP BREADTH, SITTING

The distance between the lateral points of the hips or thighs (whichever are broader) is measured with a beam caliper. The subject sits erect with the feet and knees together.

(67) ILIOCRISTALE HEIGHT

The vertical distance between a standing surface and the ilio Cristale landmark on the top of the right side of the pelvis is measured with an anthropometer. The subject stands erect with the heels together and the weight distributed equally on both feet. The shoulders and upper extremities are relaxed.

(68) INTERPUPILLARY BREADTH

The distance between the two pupils is measured with a pupillometer.

(69) INTERSCYE I

The distance across the back between the right and left posterior-axillary-fold landmarks is measured with a tape. The tape is held on the skin surface except where the tape spans the hollow of the back. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(70) INTERSCYE II

The distance across the back between the right and left midsbye landmarks is measured with a tape. The tape is held on the skin surface except where it spans the hollow of the back. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(71) KNEE CIRCUMFERENCE

The horizontal circumference of the right knee at the level of the midpatella landmark at the center of the knee is measured with a tape. The subject stands erect with the feet about 10 cm apart and the weight distributed equally on both feet.

(72) KNEE HEIGHT, MIDPATELLA

The vertical distance between a standing surface and the midpatella landmark at the center of the right knee is measured with an anthropometer. The subject stands erect with the heels together and the weight distributed equally on both feet.

(73) KNEE HEIGHT, SITTING

The vertical distance between a footrest surface and the suprapatella landmark at the top of the right knee (located and drawn while the subject stands) is measured with an anthropometer. The subject sits with the thighs parallel, the knees flexed 90 degrees, and the feet in line with the thighs.

(74) LATERAL FEMORAL EPICONDYLE HEIGHT

The vertical distance between a standing surface and the standing lateral-femoral-epicondyle landmark on the outside of the right knee is measured with an anthropometer. The subject stands erect with the heels together and the weight distributed equally on both feet.

(75) LATERAL MALLEOLUS HEIGHT

The vertical distance between a standing surface and the lateral malleolus landmark on the outside of the right ankle is measured with a modified sliding caliper. The subject stands erect with the heels together and the weight distributed equally on both feet.

(76) LOWER THIGH CIRCUMFERENCE

The horizontal circumference of the right thigh at the level of the suprapatella landmark at the top of the knee is measured with a tape. The subject stands erect with the feet about 10 cm apart and the weight distributed equally on both feet.

(77) MENTON-SELLION LENGTH

The distance between the menton landmark at the bottom of the chin and the sellion landmark at the deepest point of the nasal root depression is measured with a sliding caliper. The teeth are lightly occluded.

(78) MIDSHOULDER HEIGHT, SITTING

The vertical distance between a sitting surface and the midshoulder landmark at the top of the right shoulder is measured with an anthropometer. The subject sits erect looking straight ahead. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The measurement is taken at the maximum point of quiet respiration.

(79) NECK-BUSTPOINT/THELION LENGTH

The distance between the trapezius landmark at the right side of the neck and the right bustpoint landmark on women or the right nipple (thelion) on men is measured with a tape. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(80) NECK CIRCUMFERENCE

The circumference of the neck at the level of the infrathyroid landmark (Adam's apple) is measured with a tape. The plane of the measurement is perpendicular to the long axis of the neck. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed.

(81) NECK CIRCUMFERENCE, BASE

The circumference of the base of the neck is measured by a tape passing over the drawn lateral and anterior neck landmarks. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed.

(82) NECK HEIGHT, LATERAL

The vertical distance between a standing surface and the trapezius landmark on the right side of the neck is measured with an anthropometer. The subject stands erect with the head in the Frankfort plane. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(83) OVERHEAD FINGERTIP REACH

The vertical distance between a standing surface and the tip of the right middle finger when the arm is extended overhead is measured on a wall scale. The subject stands facing a wall-mounted scale with both arms extended overhead parallel to each other. The toes are 20 cm from the wall and the feet are about 10 cm apart. The palms of the hands rest on the scale. A block is placed against the tip of the finger to establish the measurement. The measurement is taken at the maximum point of quiet respiration.

(84) OVERHEAD FINGERTIP REACH, EXTENDED

The vertical distance between a standing surface and the tip of the right middle finger when the arm is extended overhead as high as possible is measured on a wall scale. The subject stands on his/her toes facing a wall-mounted scale with both arms parallel and extended overhead as high as possible. The toes are 20 cm from the wall and the feet are about 10 cm apart. The palms of the hands rest on the scale. A block is placed against the tip of the finger to establish the measurement. The measurement is taken at the maximum point of quiet respiration.

(85) OVERHEAD FINGERTIP REACH, SITTING

The vertical distance between a sitting surface and the tip of the right middle finger of a seated subject whose arm is extended overhead is measured on a wall scale. The subject sits erect on a flat surface 40.8 cm high with the right arm and hand extended vertically overhead as far as possible and the palm of the hand facing forward. Neither the back nor the arm touches a wall. A block placed at the tip of the middle finger spans the distance between the finger and the wall and establishes the measurement on the wall scale. The measurement is made at the maximum point of quiet respiration.

(86) POPLITEAL HEIGHT

The vertical distance from a footrest surface to the back of the right knee (the popliteal fossa at the dorsal juncture of the right calf and thigh) is measured with an anthropometer. The subject sits with the thighs parallel, the feet in line with the thighs, and the knees flexed 90 degrees.

(87) RADIALE-STYLION LENGTH

The distance between the radiale landmark on the right elbow and the stylium landmark on the right wrist is measured with a beam caliper held parallel to the long axis of the forearm. The subject stands with the arms relaxed at the sides. The hand and fingers are held straight in line with the long axis of the forearm.

(88) SCYE CIRCUMFERENCE

The vertical circumference of the right upper arm (scye) is measured with a tape passing through the armpit and over the acromion landmark on the tip of the shoulder. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed with the palms facing the thighs.

(89) SCYE DEPTH

The surface distance along the spine between the cervicale landmark on the base of the back of the neck and the scye-level-at-midspine landmark is measured with a tape. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed.

(90) SHOULDER CIRCUMFERENCE

The horizontal circumference of the shoulders at the level of the maximum protrusion of the right deltoid muscle is measured with a tape. The subject stands erect looking straight ahead. The shoulders and upper extremities are relaxed with the palms facing the thighs. The measurement is taken at the maximum point of quiet respiration.

(91) SHOULDER-ELBOW LENGTH

The distance between the acromion landmark on the tip of the right shoulder and the olecranon landmark on the bottom of the right elbow is measured with a beam caliper parallel to the long axis of the upper arm. The subject stands with the right upper arm hanging at the side and the elbow flexed 90 degrees. The hand is straight, and the palm faces inward.



(92) **SHOULDER LENGTH**

The surface distance between the trapezius landmark at the base of the side of the neck and the acromion landmark on the tip of the right shoulder is measured with a tape. The subject stands looking straight ahead. The shoulders and upper extremities are relaxed.

(93) **SITTING HEIGHT**

The vertical distance between a sitting surface and the top of the head is measured with an anthropometer. The subject sits erect with the head in the Frankfort plane. The shoulders and upper arms are relaxed and the forearms and hands are extended forward horizontally with the palms facing each other. The thighs are parallel and the knees are flexed 90 degrees with the feet in line with the thighs. The measurement is made at the maximum point of quiet respiration.

(94) **SLEEVE LENGTH: SPINE-ELBOW**

The horizontal surface distance between the midspine landmark and the olecranon-center landmark on the tip of the raised elbow is measured with a tape. The measurement is made while the subject holds his/her arms up in a horizontal position parallel to the standing surface and joins them by bringing the fists together at the metacarpophalangeal and proximal interphalangeal knuckles. The forearms and fists are in a straight line.

(95) **SLEEVE LENGTH: SPINE-SCYE**

The horizontal surface distance between the midspine landmark and the right posterior-diagonal-scye landmark at the back of the raised right arm near the armpit is measured with a tape. The measurement is made while the subject holds his/her arms up in a horizontal position parallel to the standing surface and joins them by bringing the fists together at the metacarpophalangeal and proximal interphalangeal knuckles. The forearms and fists are in a straight line.

(96) **SLEEVE LENGTH: SPINE-WRIST**

The horizontal surface distance from the midspine landmark, across the olecranon-center landmark at the tip of the raised right elbow, to the dorsal wrist landmark is measured with a tape. The measurement is made while the subject holds his/her arms up in a horizontal position parallel to the standing surface and joins them by bringing the fists together at the metacarpophalangeal and proximal interphalangeal knuckles. The forearms and fists are in a straight line.

(97) SLEEVE OUTSEAM

The straight-line distance between the acromion landmark on the tip of the right shoulder and the stylium landmark on the right wrist is measured with a tape. The subject stands erect with both arms straight at the sides and the palms facing forward.

(98) SPAN

The distance between the tips of the middle fingers of the horizontally outstretched arms is measured on a wall chart. The subject stands erect with the back against a wall-mounted scale and the heels together. Both arms and hands are stretched horizontally against a back wall with the tip of the middle finger of one hand just touching a side wall. A block is placed at the tip of the middle finger of the other hand to establish the measurement on the scale. The measurement is taken at the maximum point of quiet respiration.

(99) STATURE

The vertical distance from a standing surface to the top of the head is measured with an anthropometer. The subject stands erect with the head in the Frankfort plane. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

(100) STRAP LENGTH

The surface distance from the right bustpoint landmark on women or the right nipple (thelion) on men across the back of the neck to the left bustpoint or nipple is measured with a tape passing over the left and right lateral neck landmarks. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(101) SUPRASTERNAL HEIGHT

The vertical distance between a standing surface and the suprasternal landmark on the notch at the top of the breastbone is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(102) TENTH RIB HEIGHT

The vertical distance between a standing surface and the tenth rib landmark at the bottom of the right side of the rib cage is measured with an anthropometer. The subjects stands

erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(103) THIGH CIRCUMFERENCE

The circumference of the right thigh at its juncture with the buttock is measured with a tape. The measurement is made perpendicular to the long axis of the thigh. The subject stands erect with the weight distributed equally on both feet. The legs are spread apart just enough so that the thighs do not touch.

(104) THIGH CLEARANCE

The vertical distance between a sitting surface and the highest point on the top of the right thigh is measured with an anthropometer. The subject sits with the thighs parallel, knees flexed 90 degrees, and the feet in line with the thighs.

(105) THUMB BREADTH

The maximum breadth of the right thumb perpendicular to its long axis is measured with a Holtain caliper. The thumb is straight and held away from the hand at about a 45-degree angle.

(106) THUMB TIP REACH

The horizontal distance from a back wall to the tip of the right thumb is measured on a wall scale. The subject stands erect in a corner looking straight ahead with the feet together and the heels 20 cm from the back wall. The buttocks and shoulders are against the wall. The right arm and hand, palm down, are stretched forward horizontally along a scale on the side wall. The thumb continues the horizontal line of the arm and the index finger curves around to touch the pad at the end of the thumb. The subject's right shoulder is held against the rear wall.

(107) TROCHANTERIC HEIGHT

The vertical distance between a standing surface and the trochanterion landmark on the upper side of the right thigh is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet.

**(108) VERTICAL TRUNK CIRCUMFERENCE (ASCC)\***

The vertical circumference of the torso is measured with a tape passing between the buttocks, to the right of the genitalia, over the right bustpoint landmark on women or the nipple (thelion) on men, and across the midshoulder landmark. The subject stands erect looking straight ahead with the right arm hanging relaxed at the side. The heels are together with the weight distributed equally on both feet. The measurement is taken at the midpoint of quiet respiration.

\* Aircrew Standardization Coordinating Committee

**(109) VERTICAL TRUNK CIRCUMFERENCE (USA)\***

The vertical circumference of the torso is measured with a tape passing over the maximum protrusion of the right buttock, to the right of the genitalia, over the right bustpoint landmark on women or the nipple (thelion) on men, and across the midshoulder landmark. The subject stands erect looking straight ahead with the right arm hanging relaxed at the side. The heels are together with the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration.

\*U.S. Army

**(110) WAIST BACK LENGTH (NATURAL INDENTATION)**

The surface distance between the cervicale landmark on the back of the neck and the posterior-waist (natural indentation) landmark is measured with a tape. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

**(111) WAIST BACK LENGTH (OMPHALION)**

The surface distance between the cervicale landmark at the back of the neck and the posterior-waist (omphalion) landmark at the level of the navel is measured with a tape. The subject stands erect with the head in the Frankfort plane. The shoulders and upper extremities are relaxed. The measurement is taken at the maximum point of quiet respiration.

**(112) WAIST BREADTH**

The horizontal breadth of the waist at the level of omphalion is measured with a beam caliper. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration.

(113) WAIST CIRCUMFERENCE (NATURAL INDENTATION)

The horizontal circumference of the waist at the level of its natural indentation is measured with a tape passing over right and left waist (natural indentation) landmarks. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is made at the maximum point of quiet respiration.

(114) WAIST CIRCUMFERENCE (OMPHALION)

The horizontal circumference of the waist at the level of the center of the navel (omphalion) is measured with a tape. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is made at the maximum point of quiet respiration.

(115) WAIST DEPTH

The horizontal distance between the front and back of the waist at the level of the center of the navel (omphalion) is measured with a beam caliper. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The measurement is taken at the maximum point of quiet respiration.

(116) WAIST FRONT LENGTH (NATURAL INDENTATION)

The surface distance between the anterior-neck landmark and the anterior-waist (natural indentation) landmark is measured with a tape. The subject stands erect with the head in the Frankfort plane. The measurement is made at the maximum point of quiet respiration.

(117) WAIST FRONT LENGTH (OMPHALION)

The surface distance between the anterior-neck landmark and the center of the navel (omphalion) is measured with a tape. The subject stands erect with the head in the Frankfort plane. The measurement is made at the maximum point of quiet respiration.

(118) WAIST HEIGHT (NATURAL INDENTATION)

The vertical distance between a standing surface and the landmark at the natural indentation of the right waist is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(119) WAIST HEIGHT (OMPHALION)

The vertical distance between a standing surface and the center of the navel (omphalion) is measured with an anthropometer. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet. The shoulders and upper extremities are relaxed. The measurement is made at the maximum point of quiet respiration.

(120) WAIST HEIGHT, SITTING (NATURAL INDENTATION)

The vertical distance from a sitting surface to the landmark at the natural indentation of the right waist is measured with an anthropometer. The subject sits erect looking straight ahead. The knees are flexed 90 degrees. The measurement is made at the maximum point of quiet respiration.

(121) WAIST HEIGHT, SITTING (OMPHALION)

The vertical distance from a sitting surface to the center of the navel (omphalion) is measured with an anthropometer. The subject sits erect looking straight ahead. The knees are flexed 90 degrees. The measurement is made at the maximum point of quiet respiration.

(122) WAIST-HIP LENGTH

The surface distance between the right waist (omphalion) landmark and the right lateral-buttock-point landmark on the side of the hip is measured with a tape. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet.

(123) WAIST (NATURAL INDENTATION)-WAIST (OMPHALION) LENGTH

The surface distance between the right waist (natural indentation) and right waist (omphalion) landmarks is measured with a tape. The subject stands erect looking straight ahead. The heels are together with the weight distributed equally on both feet.

(124) WEIGHT

The weight of the subject is taken to the nearest tenth of a kilogram. The subject stands on the platform of a scale.

(125) WRIST-CENTER OF GRIP LENGTH

The horizontal distance between the stylium landmark on the right wrist and the center of a dowel (1-1/4" diameter) gripped in the right hand is measured with a Poech caliper. The subject sits grasping a dowel in the right hand. The base of the dowel is flush with the bottom of the fist. The subject puts the bottom of the fist on a flat surface in such a way that the base of the dowel rests on the surface. The fist is in line with the long axis of the forearm.

(126) WRIST CIRCUMFERENCE

The circumference of the wrist perpendicular to the long axis of the forearm is measured with a tape passing over the stylium landmark on the wrist. The subject extends the right arm forward with the palm up.

(127) WRIST HEIGHT

The vertical distance between a standing surface and the stylium landmark on the right wrist is measured with an anthropometer. The subject stands erect looking straight ahead with the heels together and the weight distributed equally on both feet. The shoulders are relaxed and the arms are extended downwards with the elbow, wrist, and fingers held rigidly straight. The arms lightly touch the sides. The measurement is taken at the maximum point of quiet respiration.

(128) WRIST HEIGHT, SITTING

The vertical distance between the floor and the stylium landmark on the right wrist of a seated subject is measured with an anthropometer. The subject sits erect with the trochanter landmark on the hip lined up with a marker placed about 7 cm from the front edge of the seat. The subject looks straight ahead. The shoulders are relaxed and the arms are extended downwards with the elbow, wrist, and fingers held rigidly straight. The arms lightly touch the sides. The measurement is taken at the maximum point of quiet respiration with the subject holding his/her breath. Note: The height of the seat used in this measurement was 45.5 cm.

(129) WRIST-INDEX FINGER LENGTH

The distance between the stylium landmark on the right wrist and the tip of the right index finger is measured with a Poech caliper. The subject places the palm on a table, the fingers together, and the thumb abducted. The middle finger is parallel to the long axis of the forearm. The two distal phalanges of the fingers lie on a flat surface 8 mm higher than the table.

(130) WRIST-THUMB TIP LENGTH

The horizontal distance between the stylium landmark on the right wrist and the tip of the right thumb is measured with a Poech caliper. The subject rests the little finger side of the hand on a flat surface. The thumb is held straight and in line with the long axis of the forearm. The thumb rests on the first knuckle of the curved index finger.

(131) WRIST-WALL LENGTH

The horizontal distance between a back wall and the stylium landmark on the right wrist of the outstretched arm is measured on a wall scale. The subject stands erect in a corner looking straight ahead with the feet together and the heels 20 cm from the back wall. The buttocks and shoulders are against the wall. The right arm and hand with the palm down are stretched forward horizontally against a scale on the side wall. The thumb continues the horizontal line of the arm and the index finger curves around to touch the pad at the end of the thumb. The subject's right shoulder is held against the rear wall.

(132) WRIST-WALL LENGTH, EXTENDED

The horizontal distance between a back wall and the stylium landmark on the right wrist of the maximally outstretched arm is measured on a wall scale. The subject stands erect in a corner looking straight ahead with the feet together and the heels 20 cm from the back wall. The buttocks and left shoulder are against the wall. The right arm and hand with the palm down are stretched forward horizontally as far as possible against the side wall. The thumb continues the horizontal line of the arm and the index finger curves around to touch the pad at the end of the thumb. The subject's left shoulder is held against the rear wall.



(1) ABDOMINAL EXTENSION DEPTH, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.23	MEAN VALUE	8.75
.06	SE(MEAN)	.02
2.63	STD DEVIATION	1.04
.04	SE(STD DEV)	.02
31.60	MAXIMUM	12.44
15.30	MINIMUM	6.02

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SYMMETRY---VETA I = .61  
KURTOSIS---VETA II = 3.32  
COEF. OF VARIATION = 11.9%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.91	MEAN VALUE	9.41
.07	SE(MEAN)	.03
2.83	STD DEVIATION	1.11
.05	SE(STD DEV)	.02
35.00	MAXIMUM	13.78
16.80	MINIMUM	6.61

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SYMMETRY---VETA I = .57  
KURTOSIS---VETA II = 3.23  
COEF. OF VARIATION = 11.8%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.31	1ST	6.82
17.78	2ND	7.00
18.07	3RD	7.11
18.47	5TH	7.27
19.11	10TH	7.52
19.58	15TH	7.71
19.96	20TH	7.86
20.32	25TH	8.00
20.65	30TH	8.13
20.97	35TH	8.26
21.28	40TH	8.38
21.60	45TH	8.50
21.92	50TH	8.63
22.26	55TH	8.76
22.61	60TH	8.90
22.98	65TH	9.05
23.39	70TH	9.21
23.85	75TH	9.39
24.37	80TH	9.59
25.00	85TH	9.84
25.81	90TH	10.16
27.07	95TH	10.66
27.89	97TH	10.98
28.50	98TH	11.22
29.45	99TH	11.59

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.63	1ST	7.33
19.12	2ND	7.53
19.43	3RD	7.65
19.85	5TH	7.82
20.54	10TH	8.09
21.03	15TH	8.28
21.45	20TH	8.45
21.83	25TH	8.60
22.19	30TH	8.74
22.54	35TH	8.87
22.88	40TH	9.01
23.23	45TH	9.14
23.58	50TH	9.28
23.94	55TH	9.43
24.33	60TH	9.58
24.73	65TH	9.74
25.18	70TH	9.91
25.67	75TH	10.10
26.23	80TH	10.33
26.90	85TH	10.59
27.76	90TH	10.93
29.06	95TH	11.44
29.88	97TH	11.77
30.48	98TH	12.00
31.37	99TH	12.35

## (2) ACROMIAL HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
133.36	MEAN VALUE	52.50
.12	SE(MEAN)	.05
5.79	STD DEVIATION	2.28
.09	SE(STD DEV)	.03
156.50	MAXIMUM	61.61
113.90	MINIMUM	44.84

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
144.25	MEAN VALUE	56.79
.15	SE(MEAN)	.06
6.20	STD DEVIATION	2.44
.10	SE(STD DEV)	.04
170.40	MAXIMUM	67.09
118.20	MINIMUM	46.54

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
119.82	1ST	47.17
121.63	2ND	47.89
122.70	3RD	48.31
124.09	5TH	48.85
126.12	10TH	49.65
127.45	15TH	50.18
128.49	20TH	50.59
129.40	25TH	50.95
130.22	30TH	51.27
130.99	35TH	51.57
131.72	40TH	51.86
132.44	45TH	52.14
133.16	50TH	52.43
133.90	55TH	52.72
134.65	60TH	53.01
135.43	65TH	53.32
136.27	70TH	53.65
137.19	75TH	54.01
138.23	80TH	54.42
139.44	85TH	54.90
140.97	90TH	55.50
143.20	95TH	56.38
144.59	97TH	56.93
145.57	98TH	57.31
146.99	99TH	57.87

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
129.86	1ST	51.13
131.62	2ND	51.82
132.71	3RD	52.25
134.16	5TH	52.82
136.35	10TH	53.68
137.83	15TH	54.26
139.00	20TH	54.72
140.02	25TH	55.13
140.93	30TH	55.49
141.78	35TH	55.82
142.60	40TH	56.14
143.39	45TH	56.45
144.18	50TH	56.76
144.97	55TH	57.07
145.77	60TH	57.39
146.61	65TH	57.72
147.50	70TH	58.07
148.46	75TH	58.45
149.53	80TH	58.87
150.77	85TH	59.36
152.32	90TH	59.97
154.56	95TH	60.85
155.95	97TH	61.40
156.93	98TH	61.79
158.38	99TH	62.35

## (3) ACROMIAL HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
55.55	MEAN VALUE	21.87
.06	SE(MEAN)	.02
2.86	STD DEVIATION	1.13
.04	SE(STD DEV)	.02
66.40	MAXIMUM	26.14
46.40	MINIMUM	18.27

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 2.86  
 COEF. OF VARIATION = 5.27  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
59.78	MEAN VALUE	23.53
.07	SE(MEAN)	.03
2.96	STD DEVIATION	1.16
.05	SE(STD DEV)	.02
69.50	MAXIMUM	27.36
50.10	MINIMUM	19.72

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SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 4.98  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
49.24	1ST	19.38
49.88	2ND	19.64
50.31	3RD	19.81
50.91	5TH	20.04
51.87	10TH	20.42
52.54	15TH	20.69
53.09	20TH	20.90
53.56	25TH	21.09
53.99	30TH	21.26
54.39	35TH	21.41
54.77	40TH	21.56
55.14	45TH	21.71
55.51	50TH	21.85
55.88	55TH	22.00
56.25	60TH	22.15
56.64	65TH	22.30
57.05	70TH	22.46
57.50	75TH	22.64
57.99	80TH	22.83
58.57	85TH	23.06
59.29	90TH	23.34
60.36	95TH	23.76
61.05	97TH	24.03
61.55	98TH	24.23
62.33	99TH	24.54

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
52.52	1ST	20.68
53.49	2ND	21.06
54.08	3RD	21.29
54.85	5TH	21.59
55.98	10TH	22.04
56.73	15TH	22.33
57.31	20TH	22.56
57.81	25TH	22.76
58.25	30TH	22.93
58.66	35TH	23.10
59.05	40TH	23.25
59.43	45TH	23.40
59.80	50TH	23.54
60.17	55TH	23.69
60.55	60TH	23.94
60.94	65TH	23.99
61.35	70TH	24.15
61.79	75TH	24.33
62.29	80TH	24.52
62.86	85TH	24.75
63.58	90TH	25.03
64.63	95TH	25.44
65.28	97TH	25.70
65.75	98TH	25.89
66.45	99TH	26.16

(4) ACROMION-RADIALE LENGTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.19	MEAN VALUE	12.28
.04	SE(MEAN)	.01
1.67	STD DEVIATION	.66
.03	SE(STD DEV)	.01
37.00	MAXIMUM	14.57
26.20	MINIMUM	10.31

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SYMMETRY---VETA I = .14  
KURTOSIS---VETA II = 3.02  
COEF. OF VARIATION = 5.38  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
34.08	MEAN VALUE	13.42
.04	SE(MEAN)	.02
1.72	STD DEVIATION	.68
.03	SE(STD DEV)	.01
41.50	MAXIMUM	16.34
27.10	MINIMUM	10.67

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SYMMETRY---VETA I = .12  
KURTOSIS---VETA II = 3.27  
COEF. OF VARIATION = 5.08  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.37	1ST	10.77
27.83	2ND	10.95
28.11	3RD	11.07
28.49	5TH	11.22
29.07	10TH	11.44
29.46	15TH	11.60
29.77	20TH	11.72
30.04	25TH	11.83
30.28	30TH	11.92
30.50	35TH	12.01
30.72	40TH	12.09
30.93	45TH	12.18
31.14	50TH	12.26
31.35	55TH	12.34
31.57	60TH	12.43
31.79	65TH	12.52
32.03	70TH	12.61
32.29	75TH	12.71
32.59	80TH	12.83
32.93	85TH	12.96
33.37	90TH	13.14
34.02	95TH	13.39
34.44	97TH	13.56
34.74	98TH	13.68
35.21	99TH	13.86

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.23	1ST	11.90
30.66	2ND	12.07
30.94	3RD	12.18
31.32	5TH	12.33
31.91	10TH	12.56
32.31	15TH	12.72
32.63	20TH	12.85
32.91	25TH	12.96
33.16	30TH	13.06
33.40	35TH	13.15
33.62	40TH	13.24
33.83	45TH	13.32
34.05	50TH	13.41
34.27	55TH	13.49
34.49	60TH	13.58
34.72	65TH	13.67
34.96	70TH	13.76
35.22	75TH	13.87
35.52	80TH	13.98
35.86	85TH	14.12
36.30	90TH	14.29
36.95	95TH	14.55
37.38	97TH	14.72
37.69	98TH	14.84
38.18	99TH	15.03

## (5) ANKLE CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.53	MEAN VALUE	8.08
.03	SE(MEAN)	.01
1.21	STD DEVIATION	.47
.02	SE(STD DEV)	.01
24.90	MAXIMUM	9.80
15.90	MINIMUM	6.26

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.17	MEAN VALUE	8.73
.03	SE(MEAN)	.01
1.30	STD DEVIATION	.51
.02	SE(STD DEV)	.01
26.70	MAXIMUM	10.51
17.70	MINIMUM	6.97

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SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 2.90  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.99	1ST	7.08
18.21	2ND	7.17
18.37	3RD	7.23
18.60	5TH	7.32
19.00	10TH	7.43
19.28	15TH	7.59
19.50	20TH	7.68
19.70	25TH	7.76
19.88	30TH	7.83
20.05	35TH	7.89
20.20	40TH	7.95
20.36	45TH	8.01
20.51	50TH	8.07
20.66	55TH	8.13
20.81	60TH	8.19
20.96	65TH	8.25
21.13	70TH	8.32
21.31	75TH	8.39
21.52	80TH	8.47
21.76	85TH	8.57
22.07	90TH	8.69
22.56	95TH	8.88
22.90	97TH	9.02
23.16	98TH	9.12
23.64	99TH	9.31

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.32	1ST	7.61
19.57	2ND	7.70
19.75	3RD	7.77
20.02	5TH	7.88
20.47	10TH	8.06
20.79	15TH	8.18
21.05	20TH	8.29
21.28	25TH	8.38
21.48	30TH	8.46
21.67	35TH	8.53
21.85	40TH	8.60
22.02	45TH	8.67
22.19	50TH	8.73
22.35	55TH	8.80
22.52	60TH	8.87
22.69	65TH	8.93
22.87	70TH	9.00
23.06	75TH	9.08
23.27	80TH	9.16
23.52	85TH	9.26
23.82	90TH	9.39
24.27	95TH	9.56
24.57	97TH	9.67
24.79	98TH	9.76
25.15	99TH	9.90

## (6) AXILLA HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
123.36	MEAN VALUE	48.57
.12	SE(MEAN)	.05
5.43	STD DEVIATION	2.14
.08	SE(STD DEV)	.03
145.20	MAXIMUM	57.17
105.10	MINIMUM	41.38

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
132.09	MEAN VALUE	52.00
.14	SE(MEAN)	.05
5.80	STD DEVIATION	2.28
.10	SE(STD DEV)	.04
157.70	MAXIMUM	62.09
107.10	MINIMUM	42.17

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
110.67	1ST	43.57
112.42	2ND	44.26
113.44	3RD	44.66
114.75	5TH	45.18
116.64	10TH	45.92
117.88	15TH	46.41
118.84	20TH	46.79
119.69	25TH	47.12
120.45	30TH	47.42
121.16	35TH	47.70
121.84	40TH	47.97
122.51	45TH	48.23
123.18	50TH	48.50
123.87	55TH	48.77
124.57	60TH	49.04
125.30	65TH	49.33
126.09	70TH	49.64
126.96	75TH	49.98
127.93	80TH	50.37
129.07	85TH	50.82
130.52	90TH	51.39
132.63	95TH	52.22
133.93	97TH	52.73
134.85	98TH	53.09
136.17	99TH	53.61

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
118.45	1ST	46.64
120.19	2ND	47.32
121.25	3RD	47.74
122.65	5TH	48.29
124.73	10TH	49.11
126.12	15TH	49.65
127.21	20TH	50.08
128.16	25TH	50.46
129.00	30TH	50.79
129.79	35TH	51.10
130.54	40TH	51.40
131.27	45TH	51.68
132.00	50TH	51.97
132.74	55TH	52.26
133.48	60TH	52.55
134.26	65TH	52.86
135.08	70TH	53.18
135.98	75TH	53.53
136.98	80TH	53.93
138.15	85TH	54.39
139.62	90TH	54.97
141.76	95TH	55.81
143.12	97TH	56.35
144.08	98TH	56.73
145.53	99TH	57.30

(7) AXILLARY ARM CIRCUMFERENCE

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
29.16	MEAN VALUE	11.48
.05	SE(MEAN)	.02
2.44	STD DEVIATION	.96
.04	SE(STD DEV)	.01
37.70	MAXIMUM	14.84
22.30	MINIMUM	8.78

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SYMMETRY---VETA I = .33  
KURTOSIS---VETA II = 3.10  
COEF. OF VARIATION = 8.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
33.50	MEAN VALUE	13.19
.06	SE(MEAN)	.03
2.71	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
45.30	MAXIMUM	17.83
24.50	MINIMUM	9.65

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SYMMETRY---VETA I = .23  
KURTOSIS---VETA II = 3.20  
COEF. OF VARIATION = 8.1%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.89	1ST	9.41
24.53	2ND	9.66
24.71	3RD	9.81
25.41	5TH	10.00
26.16	10TH	10.30
26.67	15TH	10.50
27.08	20TH	10.66
27.44	25TH	10.80
27.77	30TH	10.93
28.08	35TH	11.05
28.38	40TH	11.17
28.68	45TH	11.29
28.98	50TH	11.41
29.29	55TH	11.53
29.61	60TH	11.66
29.95	65TH	11.79
30.31	70TH	11.93
30.72	75TH	12.09
31.18	80TH	12.27
31.72	85TH	12.49
32.43	90TH	12.77
33.49	95TH	13.18
34.18	97TH	13.46
34.68	98TH	13.65
35.45	99TH	13.96

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.55	1ST	10.85
28.20	2ND	11.10
28.61	3RD	11.27
29.19	5TH	11.49
30.10	10TH	11.85
30.72	15TH	12.09
31.21	20TH	12.29
31.65	25TH	12.46
32.03	30TH	12.61
32.40	35TH	12.75
32.74	40TH	12.89
33.08	45TH	13.02
33.41	50TH	13.15
33.75	55TH	13.29
34.09	60TH	13.42
34.45	65TH	13.56
34.83	70TH	13.71
35.24	75TH	13.87
35.71	80TH	14.06
36.27	85TH	14.28
36.98	90TH	14.56
38.08	95TH	14.99
38.83	97TH	15.29
39.39	98TH	15.51
40.32	99TH	15.87

(8) BALL OF FOOT CIRCUMFERENCE

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.35	MEAN VALUE	8.80
.02	SE(MEAN)	.01
1.13	STD DEVIATION	.44
.02	SE(STD DEV)	.01
26.20	MAXIMUM	10.31
18.50	MINIMUM	7.28

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SYMMETRY---VETA I = .09  
KURTOSIS---VETA II = 3.09  
COEF. OF VARIATION = 5.1%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.85	MEAN VALUE	9.79
.03	SE(MEAN)	.01
1.23	STD DEVIATION	.48
.02	SE(STD DEV)	.01
30.00	MAXIMUM	11.81
21.00	MINIMUM	8.27

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SYMMETRY---VETA I = .16  
KURTOSIS---VETA II = 3.16  
COEF. OF VARIATION = 4.9%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.76	1ST	7.78
20.06	2ND	7.90
20.25	3RD	7.97
20.51	5TH	8.07
20.92	10TH	8.23
21.19	15TH	8.34
21.40	20TH	8.43
21.59	25TH	8.50
21.76	30TH	8.57
21.91	35TH	8.63
22.05	40TH	8.68
22.19	45TH	8.74
22.33	50TH	8.79
22.47	55TH	8.85
22.61	60TH	8.90
22.76	65TH	8.96
22.92	70TH	9.02
23.08	75TH	9.09
23.28	80TH	9.16
23.50	85TH	9.25
23.79	90TH	9.37
24.23	95TH	9.54
24.53	97TH	9.66
24.76	98TH	9.75
25.13	99TH	9.90

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.04	1ST	8.68
22.40	2ND	8.82
22.62	3RD	8.90
22.90	5TH	9.02
23.32	10TH	9.18
23.61	15TH	9.29
23.83	20TH	9.38
24.02	25TH	9.46
24.20	30TH	9.53
24.36	35TH	9.59
24.51	40TH	9.65
24.66	45TH	9.71
24.82	50TH	9.77
24.97	55TH	9.83
25.13	60TH	9.89
25.29	65TH	9.96
25.47	70TH	10.03
25.66	75TH	10.10
25.87	80TH	10.19
26.13	85TH	10.29
26.45	90TH	10.41
26.92	95TH	10.60
27.23	97TH	10.72
27.45	98TH	10.81
27.78	99TH	10.94



## (9) BALL OF FOOT LENGTH

FEMALE			MALE		
<u>CENTIMETERS</u>		<u>INCHES</u>	<u>CENTIMETERS</u>		<u>INCHES</u>
17.94	MEAN VALUE	7.06	19.60	MEAN VALUE	7.72
.02	SE(MEAN)	.01	.02	SE(MEAN)	.01
.96	STD DEVIATION	.38	1.05	STD DEVIATION	.41
.01	SE(STD DEV)	.01	.02	SE(STD DEV)	.01
21.20	MAXIMUM	8.35	23.70	MAXIMUM	9.33
14.80	MINIMUM	5.83	16.60	MINIMUM	6.54
<hr/>			<hr/>		
SYMMETRY---VETA I = .05			SYMMETRY---VETA I = .18		
KURTOSIS---VETA II = 2.91			KURTOSIS---VETA II = 3.03		
COEF. OF VARIATION = 5.3%			COEF. OF VARIATION = 5.3%		
NUMBER OF SUBJECTS = 2208			NUMBER OF SUBJECTS = 1774		
<hr/>			<hr/>		

THE PERCENTILES			THE PERCENTILES		
<u>CENTIMETERS</u>		<u>INCHES</u>	<u>CENTIMETERS</u>		<u>INCHES</u>
15.77	1ST	6.21	17.25	1ST	6.79
16.01	2ND	6.30	17.52	2ND	6.90
16.16	3RD	6.36	17.69	3RD	6.97
16.37	5TH	6.45	17.92	5TH	7.06
16.71	10TH	6.58	18.28	10TH	7.20
16.94	15TH	6.67	18.52	15TH	7.29
17.12	20TH	6.74	18.71	20TH	7.37
17.28	25TH	6.80	18.88	25TH	7.43
17.42	30TH	6.86	19.03	30TH	7.49
17.56	35TH	6.91	19.17	35TH	7.55
17.68	40TH	6.96	19.31	40TH	7.60
17.81	45TH	7.01	19.44	45TH	7.65
17.93	50TH	7.06	19.57	50TH	7.70
18.05	55TH	7.11	19.70	55TH	7.76
18.17	60TH	7.15	19.83	60TH	7.81
18.30	65TH	7.21	19.97	65TH	7.86
18.44	70TH	7.26	20.12	70TH	7.92
18.58	75TH	7.32	20.29	75TH	7.99
18.75	80TH	7.38	20.47	80TH	8.06
18.94	85TH	7.46	20.69	85TH	8.15
19.18	90TH	7.55	20.97	90TH	8.26
19.54	95TH	7.69	21.39	95TH	8.42
19.78	97TH	7.79	21.67	97TH	8.53
19.95	98TH	7.85	21.88	98TH	8.61
20.22	99TH	7.96	22.21	99TH	8.74

## (10) BIACROMIAL BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.26	MEAN VALUE	14.28
.04	SE(MEAN)	.01
1.74	STD DEVIATION	.69
.03	SE(STD DEV)	.01
41.70	MAXIMUM	16.42
30.10	MINIMUM	11.85

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SYMMETRY---VETA I = -.15  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
39.70	MEAN VALUE	15.63
.04	SE(MEAN)	.02
1.80	STD DEVIATION	.71
.03	SE(STD DEV)	.01
45.10	MAXIMUM	17.76
33.00	MINIMUM	12.99

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SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 2.92  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.82	1ST	12.53
32.46	2ND	12.78
32.83	3RD	12.93
33.32	5TH	13.12
34.02	10TH	13.40
34.48	15TH	13.57
34.83	20TH	13.71
35.12	25TH	13.83
35.39	30TH	13.93
35.63	35TH	14.03
35.86	40TH	14.12
36.08	45TH	14.20
36.30	50TH	14.29
36.51	55TH	14.38
36.73	60TH	14.46
36.96	65TH	14.55
37.20	70TH	14.65
37.46	75TH	14.75
37.75	80TH	14.86
38.07	85TH	14.99
38.48	90TH	15.15
39.06	95TH	15.38
39.41	97TH	15.52
39.65	98TH	15.61
40.00	99TH	15.75

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
35.59	1ST	14.01
36.01	2ND	14.18
36.30	3RD	14.29
36.70	5TH	14.45
37.35	10TH	14.70
37.80	15TH	14.88
38.16	20TH	15.02
38.47	25TH	15.15
38.75	30TH	15.26
39.01	35TH	15.36
39.25	40TH	15.45
39.49	45TH	15.55
39.72	50TH	15.64
39.95	55TH	15.73
40.18	60TH	15.82
40.42	65TH	15.91
40.66	70TH	16.01
40.93	75TH	16.11
41.23	80TH	16.23
41.57	85TH	16.37
42.00	90TH	16.53
42.63	95TH	16.78
43.04	97TH	16.95
43.35	98TH	17.07
43.85	99TH	17.26

(11) BICEPS CIRCUMFERENCE, FLEXED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.13	MEAN VALUE	11.08
.05	SE(MEAN)	.02
2.27	STD DEVIATION	.89
.03	SE(STD DEV)	.01
37.10	MAXIMUM	14.61
21.30	MINIMUM	8.39

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SYMMETRY---VETA I = .33  
KURTOSIS---VETA II = 3.23  
COEF. OF VARIATION = 8.1%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
33.75	MEAN VALUE	13.29
.06	SE(MEAN)	.03
2.71	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
43.70	MAXIMUM	17.20
25.90	MINIMUM	10.20

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SYMMETRY---VETA I = .33  
KURTOSIS---VETA II = 3.34  
COEF. OF VARIATION = 8.0%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.14	1ST	9.11
23.76	2ND	9.36
24.13	3RD	9.50
24.62	5TH	9.69
25.35	10TH	9.98
25.83	15TH	10.17
26.22	20TH	10.32
26.56	25TH	10.46
26.86	30TH	10.58
27.15	35TH	10.69
27.43	40TH	10.80
27.71	45TH	10.91
27.98	50TH	11.02
28.27	55TH	11.13
28.56	60TH	11.24
28.87	65TH	11.36
29.20	70TH	11.50
29.56	75TH	11.64
29.98	80TH	11.80
30.48	85TH	12.00
31.13	90TH	12.25
32.10	95TH	12.64
32.75	97TH	12.89
33.22	98TH	13.08
33.96	99TH	13.37

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.68	1ST	10.90
28.48	2ND	11.21
28.95	3RD	11.40
29.57	5TH	11.64
30.47	10TH	11.99
31.05	15TH	12.23
31.51	20TH	12.41
31.91	25TH	12.56
32.27	30TH	12.70
32.60	35TH	12.84
32.93	40TH	12.96
33.24	45TH	13.09
33.56	50TH	13.21
33.89	55TH	13.34
34.23	60TH	13.47
34.58	65TH	13.62
34.97	70TH	13.77
35.40	75TH	13.94
35.89	80TH	14.13
36.49	85TH	14.36
37.27	90TH	14.67
38.50	95TH	15.16
39.35	97TH	15.49
39.99	98TH	15.74
41.03	99TH	16.15

## (12) BIDELOID BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
43.26	MEAN VALUE	17.03
.05	SE(MEAN)	.02
2.26	STD DEVIATION	.89
.03	SE(STD DEV)	.01
53.20	MAXIMUM	20.94
35.90	MINIMUM	14.53

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SYMMETRY---VETA I = .30  
 KURTOSIS---VETA II = 3.46  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
49.18	MEAN VALUE	19.36
.06	SE(MEAN)	.02
2.59	STD DEVIATION	1.02
.04	SE(STD DEV)	.02
59.30	MAXIMUM	23.35
41.00	MINIMUM	16.14

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
38.03	1ST	14.97
38.73	2ND	15.25
39.16	3RD	15.42
39.70	5TH	15.63
40.49	10TH	15.94
41.00	15TH	16.14
41.40	20TH	16.30
41.75	25TH	16.44
42.05	30TH	16.56
42.34	35TH	16.67
42.61	40TH	16.78
42.88	45TH	16.88
43.14	50TH	16.99
43.41	55TH	17.09
43.69	60TH	17.20
43.99	65TH	17.32
44.30	70TH	17.44
44.65	75TH	17.58
45.06	80TH	17.74
45.54	85TH	17.93
46.17	90TH	18.18
47.17	95TH	18.57
47.85	97TH	18.84
48.36	98TH	19.04
49.21	99TH	19.37

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
43.40	1ST	17.09
44.02	2ND	17.33
44.43	3RD	17.49
44.99	5TH	17.71
45.87	10TH	18.06
46.48	15TH	18.30
46.96	20TH	18.49
47.39	25TH	18.66
47.77	30TH	18.81
48.13	35TH	18.95
48.47	40TH	19.08
48.81	45TH	19.22
49.14	50TH	19.35
49.47	55TH	19.48
49.81	60TH	19.61
50.16	65TH	19.75
50.53	70TH	19.89
50.92	75TH	20.05
51.37	80TH	20.23
51.89	85TH	20.43
52.53	90TH	20.68
53.48	95TH	21.05
54.07	97TH	21.29
54.50	98TH	21.46
55.16	99TH	21.71

## (13) BIMALLEOLAR BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.44	MEAN VALUE	2.54
.01	SE(MEAN)	.00
.31	STD DEVIATION	.12
.00	SE(STD DEV)	.00
7.60	MAXIMUM	2.99
5.20	MINIMUM	2.05

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
7.28	MEAN VALUE	2.87
.01	SE(MEAN)	.00
.39	STD DEVIATION	.15
.01	SE(STD DEV)	.00
8.60	MAXIMUM	3.39
6.10	MINIMUM	2.40

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 2.86  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.72	1ST	2.25
5.81	2ND	2.29
5.86	3RD	2.31
5.94	5TH	2.34
6.05	10TH	2.38
6.12	15TH	2.41
6.18	20TH	2.43
6.23	25TH	2.45
6.27	30TH	2.47
6.32	35TH	2.49
6.36	40TH	2.50
6.40	45TH	2.52
6.43	50TH	2.53
6.47	55TH	2.55
6.51	60TH	2.56
6.55	65TH	2.58
6.60	70TH	2.60
6.65	75TH	2.62
6.70	80TH	2.64
6.77	85TH	2.66
6.85	90TH	2.70
6.97	95TH	2.74
7.05	97TH	2.78
7.11	98TH	2.80
7.20	99TH	2.83

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
6.40	1ST	2.52
6.50	2ND	2.56
6.56	3RD	2.58
6.65	5TH	2.62
6.78	10TH	2.67
6.87	15TH	2.71
6.95	20TH	2.73
7.01	25TH	2.76
7.07	30TH	2.78
7.12	35TH	2.80
7.17	40TH	2.82
7.22	45TH	2.84
7.27	50TH	2.86
7.32	55TH	2.88
7.38	60TH	2.90
7.43	65TH	2.92
7.49	70TH	2.95
7.55	75TH	2.97
7.61	80TH	3.00
7.69	85TH	3.03
7.79	90TH	3.07
7.94	95TH	3.13
8.03	97TH	3.16
8.10	98TH	3.19
8.20	99TH	3.23

## (14) BISPINOUS BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.99	MEAN VALUE	8.66
.04	SE(MEAN)	.02
2.05	STD DEVIATION	.81
.03	SE(STD DEV)	.01
29.30	MAXIMUM	11.54
15.10	MINIMUM	5.94

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 2.92  
 COEF. OF VARIATION = 9.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.13	MEAN VALUE	9.11
.05	SE(MEAN)	.02
1.98	STD DEVIATION	.78
.03	SE(STD DEV)	.01
31.10	MAXIMUM	12.24
17.70	MINIMUM	6.97

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SYMMETRY---VETA I = .22  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 8.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.45	1ST	6.87
17.93	2ND	7.06
18.24	3RD	7.18
18.68	5TH	7.35
19.37	10TH	7.62
19.84	15TH	7.81
20.23	20TH	7.96
20.57	25TH	8.10
20.87	30TH	8.22
21.15	35TH	8.33
21.42	40TH	8.43
21.69	45TH	8.54
21.95	50TH	8.64
22.22	55TH	8.75
22.48	60TH	8.85
22.76	65TH	8.96
23.06	70TH	9.08
23.37	75TH	9.20
23.73	80TH	9.34
24.14	85TH	9.50
24.66	90TH	9.71
25.41	95TH	10.01
25.89	97TH	10.19
26.24	98TH	10.33
26.77	99TH	10.54

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.73	1ST	7.37
19.25	2ND	7.58
19.57	3RD	7.70
20.00	5TH	7.87
20.65	10TH	8.13
21.09	15TH	8.30
21.45	20TH	8.44
21.76	25TH	8.57
22.04	30TH	8.68
22.30	35TH	8.78
22.55	40TH	8.88
22.80	45TH	8.98
23.05	50TH	9.07
23.30	55TH	9.17
23.56	60TH	9.27
23.83	65TH	9.38
24.12	70TH	9.49
24.43	75TH	9.62
24.79	80TH	9.76
25.21	85TH	9.93
25.75	90TH	10.14
26.55	95TH	10.45
27.07	97TH	10.66
27.45	98TH	10.81
28.03	99TH	11.03

## (15) BITRAGION CHIN ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.29	MEAN VALUE	11.93
.03	SE(MEAN)	.01
1.32	STD DEVIATION	.52
.02	SE(STD DEV)	.01
35.00	MAXIMUM	13.78
26.10	MINIMUM	10.28

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 2.94  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
32.58	MEAN VALUE	12.83
.03	SE(MEAN)	.01
1.34	STD DEVIATION	.53
.02	SE(STD DEV)	.01
37.20	MAXIMUM	14.65
27.80	MINIMUM	10.94

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.37	1ST	10.78
27.71	2ND	10.91
27.92	3RD	10.99
28.19	5TH	11.10
28.62	10TH	11.27
28.92	15TH	11.39
29.16	20TH	11.48
29.37	25TH	11.56
29.56	30TH	11.64
29.74	35TH	11.71
29.91	40TH	11.78
30.08	45TH	11.84
30.25	50TH	11.91
30.42	55TH	11.98
30.60	60TH	12.05
30.78	65TH	12.12
30.98	70TH	12.20
31.19	75TH	12.28
31.43	80TH	12.37
31.71	85TH	12.48
32.05	90TH	12.62
32.55	95TH	12.81
32.85	97TH	12.93
33.06	98TH	13.02
33.37	99TH	13.14

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.54	1ST	11.63
29.89	2ND	11.77
30.11	3RD	11.85
30.42	5TH	11.97
30.89	10TH	12.16
31.21	15TH	12.29
31.46	20TH	12.39
31.68	25TH	12.47
31.87	30TH	12.55
32.06	35TH	12.62
32.23	40TH	12.69
32.40	45TH	12.76
32.57	50TH	12.82
32.73	55TH	12.89
32.90	60TH	12.95
33.08	65TH	13.02
33.27	70TH	13.10
33.47	75TH	13.18
33.70	80TH	13.27
33.97	85TH	13.37
34.31	90TH	13.51
34.83	95TH	13.71
35.17	97TH	13.85
35.42	98TH	13.95
35.83	99TH	14.10

## (16) BITRAGION CORONAL ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
33.64	MEAN VALUE	13.24
.03	SE(MEAN)	.01
1.29	STD DEVIATION	.51
.02	SE(STD DEV)	.01
39.20	MAXIMUM	15.43
29.80	MINIMUM	11.73

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 3.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.33	MEAN VALUE	13.91
.03	SE(MEAN)	.01
1.29	STD DEVIATION	.51
.02	SE(STD DEV)	.01
39.50	MAXIMUM	15.55
29.90	MINIMUM	11.77

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SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.78	1ST	12.12
31.08	2ND	12.24
31.28	3RD	12.31
31.56	5TH	12.42
32.00	10TH	12.60
32.30	15TH	12.72
32.54	20TH	12.81
32.76	25TH	12.90
32.95	30TH	12.97
33.12	35TH	13.04
33.29	40TH	13.11
33.45	45TH	13.17
33.61	50TH	13.23
33.77	55TH	13.30
33.94	60TH	13.36
34.11	65TH	13.43
34.29	70TH	13.50
34.48	75TH	13.58
34.70	80TH	13.66
34.96	85TH	13.76
35.30	90TH	13.90
35.81	95TH	14.10
36.16	97TH	14.24
36.43	98TH	14.34
36.87	99TH	14.51

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.29	1ST	12.71
32.66	2ND	12.86
32.89	3RD	12.95
33.20	5TH	13.07
33.68	10TH	13.26
34.00	15TH	13.39
34.26	20TH	13.49
34.47	25TH	13.57
34.66	30TH	13.65
34.84	35TH	13.72
35.01	40TH	13.78
35.17	45TH	13.85
35.33	50TH	13.91
35.49	55TH	13.97
35.65	60TH	14.03
35.81	65TH	14.10
35.99	70TH	14.17
36.18	75TH	14.24
36.40	80TH	14.33
36.65	85TH	14.43
36.97	90TH	14.56
37.47	95TH	14.75
37.81	97TH	14.88
38.06	98TH	14.98
38.48	99TH	15.15



## (17) BITRAGION CRINION ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.75	MEAN VALUE	12.11
.02	SE(MEAN)	.01
1.07	STD DEVIATION	.42
.02	SE(STD DEV)	.01
34.70	MAXIMUM	13.66
26.70	MINIMUM	10.51

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 3.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
32.64	MEAN VALUE	12.85
.03	SE(MEAN)	.01
1.16	STD DEVIATION	.46
.02	SE(STD DEV)	.01
37.00	MAXIMUM	14.57
29.30	MINIMUM	11.54

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 1749

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
28.24	1ST	11.12
28.56	2ND	11.24
28.75	3RD	11.32
29.01	5TH	11.42
29.40	10TH	11.58
29.66	15TH	11.68
29.86	20TH	11.76
30.03	25TH	11.82
30.19	30TH	11.89
30.33	35TH	11.94
30.47	40TH	12.00
30.60	45TH	12.05
30.73	50TH	12.10
30.87	55TH	12.15
31.00	60TH	12.20
31.14	65TH	12.26
31.29	70TH	12.32
31.45	75TH	12.38
31.64	80TH	12.45
31.85	85TH	12.54
32.13	90TH	12.65
32.55	95TH	12.82
32.83	97TH	12.93
33.04	98TH	13.01
33.38	99TH	13.11

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.07	1ST	11.84
30.34	2ND	11.95
30.52	3RD	12.02
30.77	5TH	12.11
31.16	10TH	12.27
31.43	15TH	12.37
31.65	20TH	12.46
31.83	25TH	12.53
32.00	30TH	12.60
32.16	35TH	12.66
32.31	40TH	12.72
32.46	45TH	12.78
32.60	50TH	12.84
32.75	55TH	12.89
32.90	60TH	12.95
33.06	65TH	13.01
33.22	70TH	13.08
33.40	75TH	13.15
33.60	80TH	13.23
33.84	85TH	13.32
34.15	90TH	13.44
34.61	95TH	13.63
34.92	97TH	13.75
35.15	98TH	13.84
35.52	99TH	13.99

## (18) BITRAGION FRONTAL ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.79	MEAN VALUE	11.33
.02	SE(MEAN)	.01
.99	STD DEVIATION	.39
.01	SE(STD DEV)	.01
32.00	MAXIMUM	12.60
25.00	MINIMUM	9.84

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 3.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.43	MEAN VALUE	11.98
.03	SE(MEAN)	.01
1.06	STD DEVIATION	.42
.02	SE(STD DEV)	.01
34.80	MAXIMUM	13.70
27.10	MINIMUM	10.67

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 3.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.45	1ST	10.41
26.74	2ND	10.53
26.93	3RD	10.60
27.17	5TH	10.70
27.54	10TH	10.84
27.78	15TH	10.94
27.97	20TH	11.01
28.13	25TH	11.08
28.28	30TH	11.13
28.41	35TH	11.18
28.54	40TH	11.23
28.66	45TH	11.28
28.78	50TH	11.33
28.90	55TH	11.38
29.02	60TH	11.43
29.15	65TH	11.48
29.29	70TH	11.53
29.43	75TH	11.59
29.60	80TH	11.65
29.80	85TH	11.73
30.06	90TH	11.83
30.45	95TH	11.99
30.72	97TH	12.09
30.92	98TH	12.17
31.25	99TH	12.30

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
28.18	1ST	11.09
28.38	2ND	11.17
28.52	3RD	11.23
28.73	5TH	11.31
29.07	10TH	11.45
29.31	15TH	11.54
29.51	20TH	11.62
29.69	25TH	11.69
29.85	30TH	11.75
29.99	35TH	11.81
30.14	40TH	11.86
30.27	45TH	11.92
30.41	50TH	11.97
30.55	55TH	12.03
30.69	60TH	12.08
30.83	65TH	12.14
30.98	70TH	12.20
31.15	75TH	12.26
31.34	80TH	12.34
31.55	85TH	12.42
31.82	90TH	12.53
32.23	95TH	12.69
32.50	97TH	12.79
32.69	98TH	12.87
33.01	99TH	13.00

## (19) BITRAGION SUBMANDIBULAR ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.60	MEAN VALUE	10.87
.03	SE(MEAN)	.01
1.28	STD DEVIATION	.50
.02	SE(STD DEV)	.01
32.90	MAXIMUM	12.95
23.50	MINIMUM	9.25

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.42	MEAN VALUE	11.98
.03	SE(MEAN)	.01
1.45	STD DEVIATION	.57
.02	SE(STD DEV)	.01
37.30	MAXIMUM	14.69
26.10	MINIMUM	10.28

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.78	1ST	9.75
25.08	2ND	9.87
25.28	3RD	9.95
25.55	5TH	10.06
25.99	10TH	10.23
26.28	15TH	10.35
26.52	20TH	10.44
26.73	25TH	10.52
26.92	30TH	10.60
27.09	35TH	10.66
27.25	40TH	10.73
27.41	45TH	10.79
27.57	50TH	10.86
27.73	55TH	10.92
27.89	60TH	10.98
28.06	65TH	11.05
28.24	70TH	11.12
28.44	75TH	11.20
28.66	80TH	11.28
28.91	85TH	11.38
29.24	90TH	11.51
29.74	95TH	11.71
30.07	97TH	11.84
30.32	98TH	11.94
30.73	99TH	12.10

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.15	1ST	10.69
27.54	2ND	10.84
27.78	3RD	10.94
28.11	5TH	11.07
28.60	10TH	11.26
28.94	15TH	11.39
29.20	20TH	11.50
29.43	25TH	11.59
29.64	30TH	11.67
29.83	35TH	11.74
30.02	40TH	11.82
30.20	45TH	11.89
30.38	50TH	11.96
30.56	55TH	12.03
30.74	60TH	12.10
30.94	65TH	12.18
31.15	70TH	12.26
31.37	75TH	12.35
31.63	80TH	12.45
31.93	85TH	12.57
32.32	90TH	12.72
32.90	95TH	12.95
33.28	97TH	13.10
33.56	98TH	13.21
34.01	99TH	13.39

## (20) BITRAGION SUBNASALE ARC

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.62	MEAN VALUE	10.87
.02	SE(MEAN)	.01
1.17	STD DEVIATION	.46
.02	SE(STD DEV)	.01
31.50	MAXIMUM	12.40
24.20	MINIMUM	9.53

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 2.84  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
29.20	MEAN VALUE	11.50
.03	SE(MEAN)	.01
1.11	STD DEVIATION	.44
.02	SE(STD DEV)	.01
32.80	MAXIMUM	12.91
25.50	MINIMUM	10.04

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 3.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
25.11	1ST	9.88
25.38	2ND	9.99
25.55	3RD	10.06
25.78	5TH	10.15
26.14	10TH	10.29
26.39	15TH	10.39
26.60	20TH	10.47
26.78	25TH	10.54
26.95	30TH	10.61
27.11	35TH	10.67
27.26	40TH	10.73
27.41	45TH	10.79
27.57	50TH	10.85
27.72	55TH	10.91
27.88	60TH	10.98
28.05	65TH	11.04
28.22	70TH	11.11
28.42	75TH	11.19
28.63	80TH	11.27
28.88	85TH	11.37
29.20	90TH	11.49
29.64	95TH	11.67
29.91	97TH	11.78
30.10	98TH	11.85
30.36	99TH	11.95

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.72	1ST	10.52
26.97	2ND	10.62
27.15	3RD	10.69
27.39	5TH	10.78
27.78	10TH	10.94
28.04	15TH	11.04
28.26	20TH	11.13
28.44	25TH	11.20
28.61	30TH	11.26
28.77	35TH	11.33
28.91	40TH	11.38
29.05	45TH	11.44
29.19	50TH	11.49
29.33	55TH	11.55
29.47	60TH	11.60
29.62	65TH	11.66
29.77	70TH	11.72
29.94	75TH	11.79
30.13	80TH	11.86
30.35	85TH	11.95
30.63	90TH	12.06
31.06	95TH	12.23
31.34	97TH	12.34
31.56	98TH	12.43
31.92	99TH	12.57

(21) BIZYGOMATIC BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.13	MEAN VALUE	5.17
.01	SE(MEAN)	.00
.50	STD DEVIATION	.20
.01	SE(STD DEV)	.00
15.00	MAXIMUM	5.91
11.70	MINIMUM	4.61

---

SYMMETRY---VETA I = .26  
KURTOSIS---VETA II = 3.24  
COEF. OF VARIATION = 3.8%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.05	MEAN VALUE	5.53
.01	SE(MEAN)	.01
.56	STD DEVIATION	.22
.01	SE(STD DEV)	.00
16.10	MAXIMUM	6.34
11.80	MINIMUM	4.65

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SYMMETRY---VETA I = .18  
KURTOSIS---VETA II = 3.15  
COEF. OF VARIATION = 4.0%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.08	1ST	4.75
12.17	2ND	4.79
12.23	3RD	4.82
12.33	5TH	4.85
12.49	10TH	4.92
12.61	15TH	4.96
12.70	20TH	5.00
12.78	25TH	5.03
12.86	30TH	5.06
12.92	35TH	5.09
12.99	40TH	5.11
13.05	45TH	5.14
13.11	50TH	5.16
13.18	55TH	5.19
13.24	60TH	5.21
13.31	65TH	5.24
13.38	70TH	5.27
13.45	75TH	5.30
13.54	80TH	5.33
13.64	85TH	5.37
13.77	90TH	5.42
13.98	95TH	5.50
14.12	97TH	5.56
14.24	98TH	5.61
14.43	99TH	5.66

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.79	1ST	5.03
12.95	2ND	5.10
13.04	3RD	5.14
13.17	5TH	5.19
13.36	10TH	5.26
13.48	15TH	5.31
13.58	20TH	5.35
13.66	25TH	5.38
13.74	30TH	5.41
13.81	35TH	5.44
13.88	40TH	5.47
13.95	45TH	5.49
14.02	50TH	5.52
14.09	55TH	5.55
14.16	60TH	5.58
14.24	65TH	5.61
14.32	70TH	5.64
14.41	75TH	5.67
14.51	80TH	5.71
14.63	85TH	5.76
14.78	90TH	5.82
15.01	95TH	5.91
15.15	97TH	5.97
15.26	98TH	6.01
15.42	99TH	6.07

## (22) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.48	MEAN VALUE	7.28
.03	SE(MEAN)	.01
1.62	STD DEVIATION	.64
.02	SE(STD DEV)	.01
24.10	MAXIMUM	9.49
12.80	MINIMUM	5.04

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.59	MEAN VALUE	8.50
.04	SE(MEAN)	.02
1.89	STD DEVIATION	.74
.03	SE(STD DEV)	.01
28.50	MAXIMUM	11.22
16.50	MINIMUM	6.50

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.88	1ST	5.86
15.25	2ND	6.01
15.50	3RD	6.10
15.85	5TH	6.24
16.41	10TH	6.46
16.80	15TH	6.61
17.11	20TH	6.74
17.38	25TH	6.84
17.62	30TH	6.94
17.84	35TH	7.02
18.05	40TH	7.11
18.26	45TH	7.19
18.46	50TH	7.27
18.66	55TH	7.35
18.87	60TH	7.43
19.08	65TH	7.51
19.31	70TH	7.60
19.55	75TH	7.70
19.83	80TH	7.81
20.15	85TH	7.93
20.55	90TH	8.09
21.18	95TH	8.34
21.59	97TH	8.50
21.91	98TH	8.63
22.43	99TH	8.83

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.39	1ST	6.85
17.83	2ND	7.02
18.13	3RD	7.14
18.54	5TH	7.30
19.18	10TH	7.55
19.63	15TH	7.73
19.98	20TH	7.87
20.29	25TH	7.99
20.57	30TH	8.10
20.82	35TH	8.20
21.07	40TH	8.29
21.30	45TH	8.39
21.54	50TH	8.48
21.77	55TH	8.57
22.01	60TH	8.67
22.26	65TH	8.76
22.52	70TH	8.87
22.81	75TH	8.98
23.14	80TH	9.11
23.53	85TH	9.26
24.03	90TH	9.46
24.82	95TH	9.77
25.36	97TH	9.99
25.79	98TH	10.15
26.49	99TH	10.43

# (23) BUTTOCK CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
96.69	MEAN VALUE	38.07
.13	SE(MEAN)	.05
6.02	STD DEVIATION	2.37
.09	SE(STD DEV)	.04
118.90	MAXIMUM	46.81
78.70	MINIMUM	30.98

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SYMMETRY---VETA I = .28  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 6.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
98.37	MEAN VALUE	38.73
.15	SE(MEAN)	.06
6.22	STD DEVIATION	2.45
.10	SE(STD DEV)	.04
123.90	MAXIMUM	48.78
80.50	MINIMUM	31.69

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SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 6.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
84.14	1ST	33.13
85.25	2ND	33.56
86.04	3RD	33.87
87.18	5TH	34.32
89.09	10TH	35.08
90.45	15TH	35.61
91.55	20TH	36.04
92.51	25TH	36.42
93.38	30TH	36.77
94.20	35TH	37.08
94.97	40TH	37.39
95.72	45TH	37.69
96.47	50TH	37.98
97.23	55TH	38.28
97.99	60TH	38.58
98.79	65TH	38.89
99.63	70TH	39.23
100.56	75TH	39.59
101.61	80TH	40.00
102.85	85TH	40.49
104.47	90TH	41.13
107.00	95TH	42.13
108.76	97TH	42.82
110.13	98TH	43.36
112.45	99TH	44.27

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
84.76	1ST	33.37
86.34	2ND	33.99
87.31	3RD	34.38
88.63	5TH	34.89
90.64	10TH	35.69
92.02	15TH	36.23
93.12	20TH	36.66
94.08	25TH	37.04
94.96	30TH	37.38
95.78	35TH	37.71
96.57	40TH	38.02
97.34	45TH	38.32
98.12	50TH	38.63
98.91	55TH	38.94
99.71	60TH	39.26
100.56	65TH	39.59
101.46	70TH	39.94
102.45	75TH	40.33
103.56	80TH	40.77
104.87	85TH	41.29
106.54	90TH	41.95
109.03	95TH	42.92
110.63	97TH	43.55
111.79	98TH	44.01
113.57	99TH	44.71

## (24) BUTTOCK DEPTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.71	MEAN VALUE	8.94
.04	SE(MEAN)	.02
2.10	STD DEVIATION	.83
.03	SE(STD DEV)	.01
33.40	MAXIMUM	13.15
16.90	MINIMUM	6.65

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SYMMETRY---VETA I = .62  
 KURTOSIS---VETA II = 3.99  
 COEF. OF VARIATION = 9.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.86	MEAN VALUE	9.79
.05	SE(MEAN)	.02
2.07	STD DEVIATION	.82
.03	SE(STD DEV)	.01
35.60	MAXIMUM	14.02
19.30	MINIMUM	7.60

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SYMMETRY---VETA I = .32  
 KURTOSIS---VETA II = 3.35  
 COEF. OF VARIATION = 8.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.52	1ST	7.29
18.93	2ND	7.45
19.21	3RD	7.56
19.59	5TH	7.71
20.21	10TH	7.96
20.64	15TH	8.13
20.99	20TH	8.26
21.29	25TH	8.38
21.56	30TH	8.49
21.81	35TH	8.59
22.05	40TH	8.68
22.29	45TH	8.78
22.53	50TH	8.87
22.77	55TH	8.97
23.03	60TH	9.07
23.29	65TH	9.17
23.58	70TH	9.28
23.91	75TH	9.41
24.29	80TH	9.56
24.75	85TH	9.74
25.39	90TH	10.00
26.45	95TH	10.41
27.24	97TH	10.72
27.87	98TH	10.97
28.98	99TH	11.41

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
20.43	1ST	8.04
20.90	2ND	8.23
21.20	3RD	8.35
21.62	5TH	8.51
22.27	10TH	8.77
22.72	15TH	8.95
23.09	20TH	9.09
23.41	25TH	9.22
23.71	30TH	9.33
23.98	35TH	9.44
24.25	40TH	9.55
24.51	45TH	9.65
24.77	50TH	9.75
25.04	55TH	9.86
25.31	60TH	9.96
25.59	65TH	10.08
25.90	70TH	10.20
26.23	75TH	10.33
26.61	80TH	10.48
27.05	85TH	10.65
27.61	90TH	10.87
28.43	95TH	11.19
28.97	97TH	11.40
29.36	98TH	11.56
29.95	99TH	11.79



(25) BUTTOCK HEIGHT

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
83.83	MEAN VALUE	33.01
.10	SE(MEAN)	.04
4.52	STD DEVIATION	1.78
.07	SE(STD DEV)	.03
102.20	MAXIMUM	40.24
65.30	MINIMUM	25.71

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SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.24  
COEF. OF VARIATION = 5.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
88.74	MEAN VALUE	34.94
.11	SE(MEAN)	.04
4.71	STD DEVIATION	1.85
.08	SE(STD DEV)	.03
111.40	MAXIMUM	43.86
71.50	MINIMUM	28.15

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SYMMETRY---VETA I = .31  
KURTOSIS---VETA II = 3.46  
COEF. OF VARIATION = 5.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
73.89	1ST	29.09
75.02	2ND	29.53
75.73	3RD	29.81
76.69	5TH	30.19
78.18	10TH	30.78
79.20	15TH	31.18
80.01	20TH	31.50
80.72	25TH	31.78
81.36	30TH	32.03
81.96	35TH	32.27
82.54	40TH	32.50
83.10	45TH	32.72
83.66	50TH	32.94
84.23	55TH	33.16
84.81	60TH	33.39
85.42	65TH	33.63
86.07	70TH	33.88
86.77	75TH	34.16
87.57	80TH	34.48
88.51	85TH	34.85
89.71	90TH	35.32
91.50	95TH	36.02
92.67	97TH	36.48
93.53	98TH	36.82
94.86	99TH	37.35

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
78.43	1ST	30.88
79.71	2ND	31.38
80.48	3RD	31.68
81.48	5TH	32.08
82.98	10TH	32.67
83.99	15TH	33.07
84.79	20TH	33.38
85.49	25TH	33.66
86.13	30TH	33.91
86.74	35TH	34.15
87.32	40TH	34.38
87.89	45TH	34.60
88.47	50TH	34.83
89.06	55TH	35.06
89.66	60TH	35.30
90.30	65TH	35.55
90.99	70TH	35.82
91.75	75TH	36.12
92.61	80TH	36.46
93.62	85TH	36.86
94.93	90TH	37.37
96.89	95TH	38.14
98.15	97TH	38.64
99.06	98TH	39.00
100.46	99TH	39.55

## (26) BUTTOCK-KNEE LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
58.89	MEAN VALUE	23.19
.06	SE(MEAN)	.02
2.96	STD DEVIATION	1.17
.04	SE(STD DEV)	.02
69.10	MAXIMUM	27.20
49.10	MINIMUM	19.33

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 2.99  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
61.64	MEAN VALUE	24.27
.07	SE(MEAN)	.03
2.99	STD DEVIATION	1.18
.05	SE(STD DEV)	.02
72.30	MAXIMUM	28.46
50.60	MINIMUM	19.92

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 2.97  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
52.18	1ST	20.54
53.03	2ND	20.88
53.54	3RD	21.08
54.21	5TH	21.34
55.20	10TH	21.73
55.87	15TH	22.00
56.39	20TH	22.20
56.85	25TH	22.38
57.27	30TH	22.55
57.66	35TH	22.70
58.04	40TH	22.85
58.41	45TH	23.00
58.78	50TH	23.14
59.15	55TH	23.29
59.54	60TH	23.44
59.95	65TH	23.60
60.38	70TH	23.77
60.85	75TH	23.96
61.39	80TH	24.17
62.01	85TH	24.41
62.81	90TH	24.73
63.98	95TH	25.19
64.72	97TH	25.48
65.24	98TH	25.69
66.02	99TH	25.99

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
55.07	1ST	21.68
55.81	2ND	21.97
56.28	3RD	22.16
56.90	5TH	22.40
57.87	10TH	22.78
58.54	15TH	23.05
59.08	20TH	23.26
59.55	25TH	23.45
59.98	30TH	23.62
60.39	35TH	23.77
60.78	40TH	23.93
61.16	45TH	24.08
61.54	50TH	24.23
61.93	55TH	24.38
62.32	60TH	24.54
62.73	65TH	24.70
63.17	70TH	24.87
63.65	75TH	25.06
64.19	80TH	25.27
64.81	85TH	25.52
65.60	90TH	25.83
66.74	95TH	26.28
67.45	97TH	26.56
67.95	98TH	26.75
68.69	99TH	27.04

## (27) BUTTOCK-POPLITEAL LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
48.17	MEAN VALUE	18.96
.06	SE(MEAN)	.02
2.66	STD DEVIATION	1.05
.04	SE(STD DEV)	.02
57.80	MAXIMUM	22.76
39.40	MINIMUM	15.51

---

SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 2.96  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
50.04	MEAN VALUE	19.70
.06	SE(MEAN)	.02
2.66	STD DEVIATION	1.05
.04	SE(STD DEV)	.02
59.70	MAXIMUM	23.50
40.10	MINIMUM	15.79

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
42.10	1ST	16.57
42.91	2ND	16.89
43.39	3RD	17.08
44.00	5TH	17.32
44.89	10TH	17.67
45.47	15TH	17.90
45.93	20TH	18.08
46.34	25TH	18.24
46.71	30TH	18.39
47.05	35TH	18.52
47.39	40TH	18.66
47.72	45TH	18.79
48.05	50TH	18.92
48.39	55TH	19.05
48.73	60TH	19.19
49.10	65TH	19.33
49.49	70TH	19.49
49.93	75TH	19.66
50.42	80TH	19.85
50.99	85TH	20.07
51.72	90TH	20.36
52.77	95TH	20.78
53.43	97TH	21.03
53.88	98TH	21.21
54.54	99TH	21.47

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
44.13	1ST	17.37
44.81	2ND	17.64
45.24	3RD	17.81
45.81	5TH	18.04
46.70	10TH	18.39
47.30	15TH	18.62
47.79	20TH	18.81
48.21	25TH	18.98
48.59	30TH	19.13
48.95	35TH	19.27
49.29	40TH	19.41
49.63	45TH	19.54
49.96	50TH	19.67
50.30	55TH	19.80
50.65	60TH	19.94
51.01	65TH	20.08
51.39	70TH	20.23
51.81	75TH	20.40
52.28	80TH	20.58
52.83	85TH	20.80
53.53	90TH	21.07
54.55	95TH	21.48
55.21	97TH	21.74
55.68	98TH	21.92
56.40	99TH	22.21

## (28) CALF CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.24	MEAN VALUE	13.87
.05	SE(MEAN)	.02
2.32	STD DEVIATION	.91
.03	SE(STD DEV)	.01
45.90	MAXIMUM	18.07
28.50	MINIMUM	11.22

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.26  
 COEF. OF VARIATION = 6.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.81	MEAN VALUE	14.88
.06	SE(MEAN)	.02
2.54	STD DEVIATION	1.00
.04	SE(STD DEV)	.02
47.00	MAXIMUM	18.50
30.40	MINIMUM	11.97

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 2.96  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.12	1ST	11.86
30.62	2ND	12.05
30.97	3RD	12.19
31.46	5TH	12.39
32.27	10TH	12.70
32.83	15TH	12.92
33.28	20TH	13.10
33.67	25TH	13.25
34.02	30TH	13.39
34.34	35TH	13.52
34.64	40TH	13.64
34.93	45TH	13.75
35.22	50TH	13.87
35.51	55TH	13.98
35.80	60TH	14.10
36.10	65TH	14.21
36.42	70TH	14.34
36.77	75TH	14.47
37.15	80TH	14.63
37.60	85TH	14.80
38.19	90TH	15.03
39.09	95TH	15.39
39.72	97TH	15.64
40.21	98TH	15.83
41.03	99TH	16.15

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.13	1ST	12.65
32.71	2ND	12.88
33.10	3RD	13.03
33.64	5TH	13.25
34.52	10TH	13.59
35.13	15TH	13.83
35.62	20TH	14.03
36.05	25TH	14.19
36.43	30TH	14.34
36.79	35TH	14.48
37.13	40TH	14.62
37.46	45TH	14.75
37.78	50TH	14.87
38.11	55TH	15.00
38.43	60TH	15.13
38.77	65TH	15.26
39.13	70TH	15.41
39.52	75TH	15.56
39.95	80TH	15.73
40.46	85TH	15.93
41.10	90TH	16.18
42.07	95TH	16.56
42.71	97TH	16.82
43.19	98TH	17.01
43.97	99TH	17.31

## (29) CALF HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.61	MEAN VALUE	12.45
.05	SE(MEAN)	.02
2.40	STD DEVIATION	.94
.04	SE(STD DEV)	.01
41.30	MAXIMUM	16.26
23.60	MINIMUM	9.29

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SYMMETRY---VETA I = .26  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.34	MEAN VALUE	13.91
.06	SE(MEAN)	.02
2.37	STD DEVIATION	.93
.04	SE(STD DEV)	.02
44.20	MAXIMUM	17.40
27.10	MINIMUM	10.67

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.48	1ST	10.42
26.99	2ND	10.63
27.33	3RD	10.76
27.82	5TH	10.95
28.60	10TH	11.26
29.15	15TH	11.47
29.58	20TH	11.65
29.97	25TH	11.80
30.31	30TH	11.93
30.63	35TH	12.06
30.94	40TH	12.18
31.24	45TH	12.30
31.54	50TH	12.42
31.83	55TH	12.53
32.14	60TH	12.65
32.46	65TH	12.78
32.79	70TH	12.91
33.16	75TH	13.06
33.58	80TH	13.22
34.07	85TH	13.41
34.71	90TH	13.67
35.71	95TH	14.06
36.40	97TH	14.33
36.92	98TH	14.54
37.80	99TH	14.88

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.24	1ST	11.91
30.75	2ND	12.11
31.09	3RD	12.24
31.57	5TH	12.43
32.33	10TH	12.73
32.87	15TH	12.94
33.31	20TH	13.11
33.69	25TH	13.26
34.03	30TH	13.40
34.36	35TH	13.53
34.67	40TH	13.65
34.97	45TH	13.77
35.27	50TH	13.89
35.58	55TH	14.01
35.89	60TH	14.13
36.21	65TH	14.26
36.55	70TH	14.39
36.93	75TH	14.54
37.35	80TH	14.70
37.83	85TH	14.90
38.46	90TH	15.14
39.39	95TH	15.51
40.00	97TH	15.75
40.45	98TH	15.92
41.16	99TH	16.20

## (30) CERVICALE HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
140.80	MEAN VALUE	55.43
.13	SE(MEAN)	.05
5.92	STD DEVIATION	2.33
.09	SE(STD DEV)	.04
164.30	MAXIMUM	64.69
121.20	MINIMUM	47.72

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
151.94	MEAN VALUE	59.82
.15	SE(MEAN)	.06
6.27	STD DEVIATION	2.47
.11	SE(STD DEV)	.04
177.60	MAXIMUM	69.92
126.70	MINIMUM	49.88

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
127.32	1ST	50.13
128.99	2ND	50.78
130.01	3RD	51.18
131.35	5TH	51.71
133.37	10TH	52.51
134.72	15TH	53.04
135.80	20TH	53.46
136.73	25TH	53.83
137.58	30TH	54.16
138.37	35TH	54.48
139.13	40TH	54.77
139.87	45TH	55.07
140.61	50TH	55.36
141.36	55TH	55.65
142.12	60TH	55.95
142.93	65TH	56.27
143.78	70TH	56.61
144.71	75TH	56.97
145.76	80TH	57.39
146.98	85TH	57.87
148.53	90TH	58.48
150.80	95TH	59.37
152.23	97TH	59.93
153.25	98TH	60.33
154.77	99TH	60.93

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
137.38	1ST	54.09
139.24	2ND	54.82
140.36	3RD	55.26
141.83	5TH	55.84
144.01	10TH	56.70
145.47	15TH	57.27
146.62	20TH	57.72
147.62	25TH	58.12
148.53	30TH	58.48
149.38	35TH	58.81
150.19	40TH	59.13
150.99	45TH	59.44
151.78	50TH	59.76
152.59	55TH	60.07
153.41	60TH	60.40
154.26	65TH	60.73
155.17	70TH	61.09
156.16	75TH	61.48
157.27	80TH	61.92
158.55	85TH	62.42
160.15	90TH	63.05
162.43	95TH	63.95
163.81	97TH	64.49
164.76	98TH	64.87
166.10	99TH	65.40

## (31) CERVICAL HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
62.91	MEAN VALUE	24.77
.06	SE(MEAN)	.02
2.98	STD DEVIATION	1.17
.04	SE(STD DEV)	.02
74.10	MAXIMUM	29.17
53.60	MINIMUM	21.10

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 2.81  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
67.63	MEAN VALUE	26.62
.07	SE(MEAN)	.03
3.05	STD DEVIATION	1.20
.05	SE(STD DEV)	.02
77.50	MAXIMUM	30.51
58.00	MINIMUM	22.83

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SYMMETRY---VETA I = -.07  
 KURTOSIS---VETA II = 2.95  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
56.36	1ST	22.19
57.06	2ND	22.46
57.51	3RD	22.64
58.12	5TH	22.88
59.10	10TH	23.27
59.78	15TH	23.54
60.33	20TH	23.75
60.82	25TH	23.94
61.26	30TH	24.12
61.67	35TH	24.28
62.07	40TH	24.44
62.46	45TH	24.59
62.85	50TH	24.74
63.24	55TH	24.90
63.63	60TH	25.05
64.05	65TH	25.22
64.49	70TH	25.39
64.96	75TH	25.58
65.49	80TH	25.78
66.10	85TH	26.02
66.86	90TH	26.32
67.95	95TH	26.75
68.61	97TH	27.01
69.08	98TH	27.20
69.76	99TH	27.46

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
60.22	1ST	23.71
61.15	2ND	24.07
61.73	3RD	24.30
62.51	5TH	24.61
63.68	10TH	25.07
64.46	15TH	25.38
65.07	20TH	25.62
65.60	25TH	25.83
66.06	30TH	26.01
66.49	35TH	26.18
66.89	40TH	26.34
67.28	45TH	26.49
67.66	50TH	26.64
68.05	55TH	26.79
68.43	60TH	26.94
68.83	65TH	27.10
69.25	70TH	27.26
69.70	75TH	27.44
70.20	80TH	27.64
70.78	85TH	27.87
71.51	90TH	28.15
72.58	95TH	28.58
73.27	97TH	28.85
73.77	98TH	29.04
74.55	99TH	29.35

## (32) CHEST BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.96	MEAN VALUE	11.01
.04	SE(MEAN)	.02
1.97	STD DEVIATION	.78
.03	SE(STD DEV)	.01
37.50	MAXIMUM	14.76
22.20	MINIMUM	8.74

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SYMMETRY---VETA I = .56  
 KURTOSIS---VETA II = 3.61  
 COEF. OF VARIATION = 7.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
32.15	MEAN VALUE	12.66
.06	SE(MEAN)	.02
2.55	STD DEVIATION	1.01
.04	SE(STD DEV)	.02
42.20	MAXIMUM	16.61
25.70	MINIMUM	10.12

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SYMMETRY---VETA I = .44  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 7.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.01	1ST	9.45
24.43	2ND	9.62
24.69	3RD	9.72
25.04	5TH	9.86
25.60	10TH	10.08
25.99	15TH	10.23
26.30	20TH	10.36
26.58	25TH	10.47
26.84	30TH	10.57
27.08	35TH	10.66
27.32	40TH	10.76
27.55	45TH	10.85
27.79	50TH	10.94
28.03	55TH	11.04
28.29	60TH	11.14
28.56	65TH	11.24
28.85	70TH	11.36
29.17	75TH	11.48
29.54	80TH	11.63
29.99	85TH	11.81
30.59	90TH	12.04
31.51	95TH	12.41
32.15	97TH	12.66
32.63	98TH	12.85
33.41	99TH	13.15

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.06	1ST	10.65
27.55	2ND	10.85
27.87	3RD	10.97
28.31	5TH	11.15
29.02	10TH	11.43
29.53	15TH	11.63
29.94	20TH	11.79
30.32	25TH	11.94
30.66	30TH	12.07
30.99	35TH	12.20
31.30	40TH	12.32
31.62	45TH	12.45
31.94	50TH	12.57
32.26	55TH	12.70
32.60	60TH	12.83
32.95	65TH	12.97
33.34	70TH	13.12
33.76	75TH	13.29
34.24	80TH	13.48
34.81	85TH	13.71
35.55	90TH	14.00
36.67	95TH	14.44
37.41	97TH	14.73
37.95	98TH	14.94
38.81	99TH	15.28



## (33) CHEST CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
90.71	MEAN VALUE	35.71
.14	SE(MEAN)	.05
6.35	STD DEVIATION	2.50
.10	SE(STD DEV)	.04
117.60	MAXIMUM	46.30
71.10	MINIMUM	27.99

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SYMMETRY---VETA I = .50  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 7.0%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
99.14	MEAN VALUE	39.03
.16	SE(MEAN)	.06
6.90	STD DEVIATION	2.72
.12	SE(STD DEV)	.05
128.10	MAXIMUM	50.43
77.50	MINIMUM	30.51

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SYMMETRY---VETA I = .36  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 7.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
78.14	1ST	30.76
79.49	2ND	31.29
80.31	3RD	31.62
81.41	5TH	32.05
83.12	10TH	32.72
84.31	15TH	33.19
85.29	20TH	33.58
86.18	25TH	33.93
86.99	30TH	34.25
87.78	35TH	34.56
88.55	40TH	34.86
89.31	45TH	35.16
90.09	50TH	35.47
90.90	55TH	35.79
91.74	60TH	36.12
92.63	65TH	36.47
93.60	70TH	36.85
94.68	75TH	37.28
95.92	80TH	37.77
97.40	85TH	38.35
99.32	90TH	39.10
102.24	95TH	40.25
104.14	97TH	41.00
105.54	98TH	41.55
107.69	99TH	42.40

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
84.50	1ST	33.27
86.16	2ND	33.92
87.18	3RD	34.32
88.55	5TH	34.86
90.66	10TH	35.69
92.10	15TH	36.26
93.27	20TH	36.72
94.29	25TH	37.12
95.23	30TH	37.49
96.12	35TH	37.84
96.98	40TH	38.18
97.83	45TH	38.52
98.69	50TH	38.85
99.56	55TH	39.20
100.46	60TH	39.55
101.41	65TH	39.93
102.43	70TH	40.33
103.56	75TH	40.77
104.85	80TH	41.28
106.36	85TH	41.88
108.33	90TH	42.65
111.28	95TH	43.81
113.21	97TH	44.57
114.63	98TH	45.13
116.82	99TH	45.99

## (34) CHEST CIRCUMFERENCE AT SCYE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
88.70	MEAN VALUE	34.92
.11	SE(MEAN)	.04
5.32	STD DEVIATION	2.10
.08	SE(STD DEV)	.03
112.10	MAXIMUM	44.13
75.30	MINIMUM	29.65

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SYMMETRY---VETA I = .51  
 KURTOSIS---VETA II = 3.51  
 COEF. OF VARIATION = 6.0%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
102.32	MEAN VALUE	40.28
.16	SE(MEAN)	.06
6.53	STD DEVIATION	2.57
.11	SE(STD DEV)	.04
129.80	MAXIMUM	51.10
80.70	MINIMUM	31.77

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SYMMETRY---VETA I = .27  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 6.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
77.61	1ST	30.55
78.97	2ND	31.09
79.78	3RD	31.41
80.82	5TH	31.82
82.38	10TH	32.43
83.43	15TH	32.84
84.26	20TH	33.17
85.00	25TH	33.47
85.68	30TH	33.73
86.33	35TH	33.99
86.96	40TH	34.24
87.58	45TH	34.48
88.22	50TH	34.73
88.88	55TH	34.99
89.56	60TH	35.26
90.29	65TH	35.55
91.08	70TH	35.86
91.96	75TH	36.20
92.98	80TH	36.61
94.20	85TH	37.09
95.80	90TH	37.72
98.28	95TH	38.69
99.93	97TH	39.34
101.16	98TH	39.83
103.09	99TH	40.59

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
88.54	1ST	34.86
89.93	2ND	35.40
90.83	3RD	35.76
92.09	5TH	36.26
94.12	10TH	37.05
95.54	15TH	37.61
96.69	20TH	38.07
97.72	25TH	38.47
98.65	30TH	38.84
99.52	35TH	39.18
100.37	40TH	39.51
101.19	45TH	39.84
102.02	50TH	40.17
102.86	55TH	40.50
103.71	60TH	40.83
104.61	65TH	41.18
105.56	70TH	41.56
106.60	75TH	41.97
107.77	80TH	42.43
109.13	85TH	42.96
110.86	90TH	43.64
113.42	95TH	44.65
115.06	97TH	45.30
116.25	98TH	45.77
118.09	99TH	46.49

(35) CHEST CIRCUMFERENCE BELOW BREAST

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
76.97	MEAN VALUE	30.30
.11	SE(MEAN)	.04
5.10	STD DEVIATION	2.01
.08	SE(STD DEV)	.03
98.80	MAXIMUM	38.90
64.00	MINIMUM	25.20

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SYMMETRY---VETA I = .62  
KURTOSIS---VETA II = 3.61  
COEF. OF VARIATION = 6.6%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
92.61	MEAN VALUE	36.46
.16	SE(MEAN)	.06
6.54	STD DEVIATION	2.58
.11	SE(STD DEV)	.04
121.10	MAXIMUM	47.68
72.30	MINIMUM	28.46

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SYMMETRY---VETA I = .36  
KURTOSIS---VETA II = 3.26  
COEF. OF VARIATION = 7.1%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
67.09	1ST	26.41
68.10	2ND	26.81
68.74	3RD	27.06
69.60	5TH	27.40
70.95	10TH	27.93
71.90	15TH	28.31
72.67	20TH	28.61
73.37	25TH	28.88
74.01	30TH	29.14
74.62	35TH	29.38
75.22	40TH	29.61
75.82	45TH	29.85
76.43	50TH	30.09
77.06	55TH	30.34
77.72	60TH	30.60
78.42	65TH	30.87
79.18	70TH	31.17
80.03	75TH	31.51
81.02	80TH	31.90
82.21	85TH	32.37
83.79	90TH	32.99
86.27	95TH	33.96
87.96	97TH	34.63
89.25	98TH	35.14
91.33	99TH	35.96

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
78.91	1ST	31.07
80.42	2ND	31.66
81.36	3RD	32.03
82.63	5TH	32.53
84.59	10TH	33.30
85.95	15TH	33.84
87.05	20TH	34.27
88.02	25TH	34.65
88.91	30TH	35.00
89.75	35TH	35.33
90.56	40TH	35.65
91.36	45TH	35.97
92.17	50TH	36.29
93.00	55TH	36.61
93.85	60TH	36.95
94.75	65TH	37.30
95.72	70TH	37.68
96.78	75TH	38.10
98.00	80TH	38.58
99.44	85TH	39.15
101.29	90TH	39.88
104.10	95TH	40.98
105.93	97TH	41.71
107.28	98TH	42.24
109.38	99TH	43.06

## (36) CHEST DEPTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.94	MEAN VALUE	9.43
.04	SE(MEAN)	.02
2.11	STD DEVIATION	.83
.03	SE(STD DEV)	.01
32.50	MAXIMUM	12.80
17.00	MINIMUM	6.69

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SYMMETRY---VETA I = .44  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.32	MEAN VALUE	9.58
.05	SE(MEAN)	.02
2.15	STD DEVIATION	.85
.04	SE(STD DEV)	.01
32.20	MAXIMUM	12.68
18.50	MINIMUM	7.28

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SYMMETRY---VETA I = .26  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.71	1ST	7.76
20.20	2ND	7.95
20.48	3RD	8.06
20.86	5TH	8.21
21.43	10TH	8.44
21.83	15TH	8.59
22.15	20TH	8.72
22.44	25TH	8.84
22.71	30TH	8.94
22.97	35TH	9.04
23.22	40TH	9.14
23.48	45TH	9.24
23.74	50TH	9.35
24.00	55TH	9.45
24.28	60TH	9.56
24.58	65TH	9.68
24.90	70TH	9.80
25.26	75TH	9.95
25.68	80TH	10.11
26.17	85TH	10.30
26.81	90TH	10.56
27.78	95TH	10.94
28.41	97TH	11.18
28.86	98TH	11.36
29.54	99TH	11.63

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.67	1ST	7.74
20.20	2ND	7.95
20.52	3RD	8.08
20.96	5TH	8.25
21.64	10TH	8.52
22.11	15TH	8.71
22.49	20TH	8.85
22.82	25TH	8.98
23.12	30TH	9.10
23.40	35TH	9.21
23.68	40TH	9.32
23.95	45TH	9.43
24.22	50TH	9.53
24.49	55TH	9.64
24.78	60TH	9.75
25.07	65TH	9.87
25.39	70TH	10.00
25.73	75TH	10.13
26.13	80TH	10.29
26.59	85TH	10.47
27.17	90TH	10.70
28.04	95TH	11.04
28.59	97TH	11.26
28.99	98TH	11.41
29.60	99TH	11.65

## (37) CHEST HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
117.44	MEAN VALUE	46.24
.12	SE(MEAN)	.05
5.50	STD DEVIATION	2.17
.08	SE(STD DEV)	.03
140.20	MAXIMUM	55.20
99.60	MINIMUM	39.21

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
127.59	MEAN VALUE	50.23
.13	SE(MEAN)	.05
5.61	STD DEVIATION	2.21
.09	SE(STD DEV)	.04
151.20	MAXIMUM	59.53
103.50	MINIMUM	40.75

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
105.13	1ST	41.39
106.70	2ND	42.01
107.64	3RD	42.38
108.85	5TH	42.86
110.66	10TH	43.56
111.86	15TH	44.04
112.81	20TH	44.42
113.65	25TH	44.75
114.42	30TH	45.05
115.13	35TH	45.33
115.83	40TH	45.60
116.51	45TH	45.87
117.20	50TH	46.14
117.90	55TH	46.42
118.61	60TH	46.70
119.37	65TH	47.00
120.18	70TH	47.31
121.07	75TH	47.66
122.07	80TH	48.06
123.24	85TH	48.52
124.73	90TH	49.10
126.89	95TH	49.96
128.23	97TH	50.48
129.17	98TH	50.85
130.53	99TH	51.39

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
114.72	1ST	45.17
115.34	2ND	45.80
117.32	3RD	46.19
118.61	5TH	46.70
120.54	10TH	47.46
121.84	15TH	47.97
122.86	20TH	48.37
123.76	25TH	48.72
124.57	30TH	49.04
125.32	35TH	49.34
126.04	40TH	49.62
126.75	45TH	49.90
127.46	50TH	50.18
128.17	55TH	50.46
128.90	60TH	50.75
129.66	65TH	51.05
130.46	70TH	51.36
131.34	75TH	51.71
132.33	80TH	52.10
133.47	85TH	52.55
134.91	90TH	53.11
136.98	95TH	53.93
138.26	97TH	54.43
139.15	98TH	54.78
140.45	99TH	55.30

## (38) CROTCH HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
77.14	MEAN VALUE	30.37
.09	SE(MEAN)	.04
4.41	STD DEVIATION	1.74
.07	SE(STD DEV)	.03
94.80	MAXIMUM	37.32
59.40	MINIMUM	23.39

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
83.72	MEAN VALUE	32.96
.11	SE(MEAN)	.04
4.62	STD DEVIATION	1.82
.08	SE(STD DEV)	.03
106.70	MAXIMUM	42.01
67.50	MINIMUM	26.57

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.30  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
67.00	1ST	26.38
68.23	2ND	26.86
68.99	3RD	27.16
70.02	5TH	27.57
71.58	10TH	28.18
72.62	15TH	28.59
73.44	20TH	28.91
74.15	25TH	29.19
74.78	30TH	29.44
75.37	35TH	29.67
75.93	40TH	29.89
76.47	45TH	30.11
77.01	50TH	30.32
77.56	55TH	30.53
78.11	60TH	30.75
78.69	65TH	30.98
79.30	70TH	31.22
79.98	75TH	31.49
80.74	80TH	31.79
81.64	85TH	32.14
82.80	90TH	32.60
84.58	95TH	33.30
85.77	97TH	33.77
86.68	98TH	34.12
88.14	99TH	34.70

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
73.16	1ST	28.80
74.56	2ND	29.35
75.38	3RD	29.68
76.44	5TH	30.09
77.99	10TH	30.70
79.01	15TH	31.11
79.82	20TH	31.43
80.53	25TH	31.70
81.17	30TH	31.96
81.77	35TH	32.19
82.35	40TH	32.42
82.93	45TH	32.65
83.50	50TH	32.88
84.09	55TH	33.11
84.69	60TH	33.34
85.33	65TH	33.59
86.01	70TH	33.86
86.75	75TH	34.16
87.60	80TH	34.49
88.58	85TH	34.87
89.83	90TH	35.37
91.64	95TH	36.06
92.75	97TH	36.52
93.53	98TH	36.87
94.64	99TH	37.26

(39) CROTCH LENGTH (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
75.43	MEAN VALUE	29.70
.12	SE(MEAN)	.05
5.57	STD DEVIATION	2.19
.08	SE(STD DEV)	.03
95.30	MAXIMUM	37.52
59.00	MINIMUM	23.23

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SYMMETRY---VETA I = .24  
KURTOSIS---VETA II = 2.90  
COEF. OF VARIATION = 7.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
76.67	MEAN VALUE	30.18
.13	SE(MEAN)	.05
5.55	STD DEVIATION	2.19
.09	SE(STD DEV)	.04
98.20	MAXIMUM	38.66
60.10	MINIMUM	23.66

---

SYMMETRY---VETA I = .34  
KURTOSIS---VETA II = 3.14  
COEF. OF VARIATION = 7.2%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
63.47	1ST	24.99
64.78	2ND	25.50
65.61	3RD	25.83
66.72	5TH	26.27
68.46	10TH	26.95
69.67	15TH	27.43
70.64	20TH	27.81
71.50	25TH	28.15
72.28	30TH	28.46
73.02	35TH	28.75
73.74	40TH	29.03
74.44	45TH	29.31
75.14	50TH	29.58
75.86	55TH	29.87
76.59	60TH	30.15
77.36	65TH	30.46
78.19	70TH	30.78
79.09	75TH	31.14
80.12	80TH	31.54
81.32	85TH	32.02
82.86	90TH	32.62
85.14	95TH	33.52
86.61	97TH	34.10
87.68	98TH	34.52
89.31	99TH	35.16

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
64.98	1ST	25.58
66.22	2ND	26.07
67.01	3RD	26.38
68.10	5TH	26.81
69.80	10TH	27.48
70.98	15TH	27.94
71.93	20TH	28.32
72.78	25TH	28.65
73.55	30TH	28.96
74.27	35TH	29.24
74.97	40TH	29.52
75.65	45TH	29.79
76.34	50TH	30.06
77.05	55TH	30.33
77.77	60TH	30.62
78.52	65TH	30.91
79.33	70TH	31.23
80.22	75TH	31.58
81.24	80TH	31.98
82.43	85TH	32.45
83.97	90TH	33.06
86.29	95TH	33.97
87.82	97TH	34.58
88.95	98TH	35.02
90.73	99TH	35.72

(40) CROTCH LENGTH (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
60.67	MEAN VALUE	23.89
.08	SE(MEAN)	.03
3.94	STD DEVIATION	1.55
.06	SE(STD DEV)	.02
76.30	MAXIMUM	30.04
48.70	MINIMUM	19.17

SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.04  
COEF. OF VARIATION = 6.5%  
NUMBER OF SUBJECTS = 2208

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
64.01	MEAN VALUE	25.20
.10	SE(MEAN)	.04
4.32	STD DEVIATION	1.70
.07	SE(STD DEV)	.03
79.10	MAXIMUM	31.14
51.10	MINIMUM	20.12

SYMMETRY---VETA I = .19  
KURTOSIS---VETA II = 3.06  
COEF. OF VARIATION = 6.8%  
NUMBER OF SUBJECTS = 1774

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
51.60	1ST	20.31
52.78	2ND	20.78
53.49	3RD	21.06
54.41	5TH	21.42
55.77	10TH	21.96
56.67	15TH	22.31
57.38	20TH	22.59
57.99	25TH	22.83
58.55	30TH	23.05
59.06	35TH	23.25
59.56	40TH	23.45
60.05	45TH	23.64
60.54	50TH	23.83
61.03	55TH	24.03
61.54	60TH	24.23
62.07	65TH	24.44
62.64	70TH	24.66
63.27	75TH	24.91
63.98	80TH	25.19
64.81	85TH	25.52
65.87	90TH	25.93
67.46	95TH	26.56
68.48	97TH	26.96
69.22	98TH	27.25
70.34	99TH	27.69

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
54.34	1ST	21.39
55.43	2ND	21.82
56.13	3RD	22.10
57.08	5TH	22.47
58.56	10TH	23.05
59.56	15TH	23.45
60.36	20TH	23.76
61.05	25TH	24.04
61.68	30TH	24.28
62.26	35TH	24.51
62.81	40TH	24.73
63.35	45TH	24.94
63.89	50TH	25.15
64.43	55TH	25.37
64.98	60TH	25.58
65.55	65TH	25.81
66.16	70TH	26.05
66.83	75TH	26.31
67.59	80TH	26.61
68.48	85TH	26.96
69.63	90TH	27.41
71.40	95TH	28.11
72.60	97TH	28.58
73.50	98TH	28.94
74.97	99TH	29.52



(41) CROTCH LENGTH, POSTERIOR (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.64	MEAN VALUE	15.21
.07	SE(MEAN)	.03
3.10	STD DEVIATION	1.22
.05	SE(STD DEV)	.02
49.50	MAXIMUM	19.49
28.90	MINIMUM	11.38

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SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 8.0%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.80	MEAN VALUE	15.27
.07	SE(MEAN)	.03
2.85	STD DEVIATION	1.12
.05	SE(STD DEV)	.02
48.70	MAXIMUM	19.17
29.60	MINIMUM	11.65

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SYMMETRY---VETA I = .23  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 7.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.46	1ST	12.39
32.41	2ND	12.76
32.98	3RD	12.98
33.70	5TH	13.27
34.77	10TH	13.69
35.48	15TH	13.97
36.04	20TH	14.19
36.52	25TH	14.38
36.95	30TH	14.55
37.36	35TH	14.71
37.75	40TH	14.86
38.14	45TH	15.01
38.52	50TH	15.17
38.91	55TH	15.32
39.32	60TH	15.48
39.74	65TH	15.64
40.19	70TH	15.82
40.68	75TH	16.02
41.24	80TH	16.24
41.90	85TH	16.49
42.73	90TH	16.82
43.97	95TH	17.31
44.75	97TH	17.62
45.31	98TH	17.84
46.14	99TH	18.17

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.64	1ST	12.85
33.31	2ND	13.11
33.74	3RD	13.28
34.32	5TH	13.51
35.22	10TH	13.87
35.85	15TH	14.11
36.36	20TH	14.31
36.80	25TH	14.49
37.21	30TH	14.65
37.59	35TH	14.80
37.96	40TH	14.94
38.32	45TH	15.09
38.68	50TH	15.23
39.05	55TH	15.37
39.42	60TH	15.52
39.81	65TH	15.67
40.23	70TH	15.84
40.68	75TH	16.02
41.20	80TH	16.22
41.79	85TH	16.45
42.55	90TH	16.75
43.67	95TH	17.19
44.39	97TH	17.48
44.90	98TH	17.68
45.69	99TH	17.99

(42) CROTCH LENGTH, POSTERIOR (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.62	MEAN VALUE	12.05
.05	SE(MEAN)	.02
2.52	STD DEVIATION	.99
.04	SE(STD DEV)	.01
41.30	MAXIMUM	16.26
20.70	MINIMUM	8.15

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SYMMETRY---VETA I = .08  
KURTOSIS---VETA II = 3.33  
COEF. OF VARIATION = 8.2%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.60	MEAN VALUE	12.44
.06	SE(MEAN)	.02
2.47	STD DEVIATION	.97
.04	SE(STD DEV)	.02
40.30	MAXIMUM	15.87
23.30	MINIMUM	9.17

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SYMMETRY---VETA I = .04  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 7.8%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.71	1ST	9.73
25.46	2ND	10.02
25.92	3RD	10.21
26.54	5TH	10.45
27.46	10TH	10.81
28.07	15TH	11.05
28.55	20TH	11.24
28.96	25TH	11.40
29.33	30TH	11.55
29.66	35TH	11.68
29.98	40TH	11.80
30.29	45TH	11.92
30.59	50TH	12.04
30.90	55TH	12.17
31.21	60TH	12.29
31.54	65TH	12.42
31.88	70TH	12.55
32.26	75TH	12.70
32.68	80TH	12.87
33.18	85TH	13.06
33.83	90TH	13.32
34.83	95TH	13.71
35.50	97TH	13.98
36.01	98TH	14.18
36.83	99TH	14.50

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
25.97	1ST	10.22
26.58	2ND	10.46
26.97	3RD	10.62
27.53	5TH	10.84
28.40	10TH	11.18
29.01	15TH	11.42
29.49	20TH	11.61
29.91	25TH	11.77
30.28	30TH	11.92
30.63	35TH	12.06
30.96	40TH	12.19
31.28	45TH	12.32
31.60	50TH	12.44
31.92	55TH	12.57
32.24	60TH	12.69
32.57	65TH	12.82
32.91	70TH	12.96
33.29	75TH	13.11
33.71	80TH	13.27
34.18	85TH	13.46
34.78	90TH	13.69
35.66	95TH	14.04
36.22	97TH	14.26
36.63	98TH	14.42
37.27	99TH	14.67

## (43) EAR BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
3.48	MEAN VALUE	1.37
.01	SE(MEAN)	.00
.25	STD DEVIATION	.10
.00	SE(STD DEV)	.00
4.40	MAXIMUM	1.73
2.70	MINIMUM	1.06

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 7.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
3.77	MEAN VALUE	1.48
.01	SE(MEAN)	.00
.27	STD DEVIATION	.11
.00	SE(STD DEV)	.00
5.10	MAXIMUM	2.01
2.70	MINIMUM	1.06

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.61  
 COEF. OF VARIATION = 7.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.93	1ST	1.15
2.98	2ND	1.17
3.02	3RD	1.19
3.07	5TH	1.21
3.15	10TH	1.24
3.21	15TH	1.26
3.26	20TH	1.28
3.30	25TH	1.30
3.34	30TH	1.31
3.37	35TH	1.33
3.41	40TH	1.34
3.44	45TH	1.35
3.47	50TH	1.37
3.50	55TH	1.38
3.54	60TH	1.39
3.57	65TH	1.41
3.61	70TH	1.42
3.65	75TH	1.44
3.69	80TH	1.45
3.74	85TH	1.47
3.81	90TH	1.50
3.90	95TH	1.54
3.96	97TH	1.56
4.01	98TH	1.58
4.07	99TH	1.60

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
3.15	1ST	1.24
3.22	2ND	1.27
3.27	3RD	1.29
3.33	5TH	1.31
3.43	10TH	1.35
3.49	15TH	1.38
3.54	20TH	1.40
3.59	25TH	1.41
3.63	30TH	1.43
3.66	35TH	1.44
3.70	40TH	1.46
3.73	45TH	1.47
3.76	50TH	1.48
3.80	55TH	1.49
3.83	60TH	1.51
3.86	65TH	1.52
3.90	70TH	1.54
3.94	75TH	1.55
3.98	80TH	1.57
4.04	85TH	1.59
4.11	90TH	1.62
4.22	95TH	1.66
4.30	97TH	1.69
4.36	98TH	1.72
4.47	99TH	1.76

## (44) EAR LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.98	MEAN VALUE	2.35
.01	SE(MEAN)	.00
.38	STD DEVIATION	.15
.01	SE(STD DEV)	.00
7.20	MAXIMUM	2.83
4.50	MINIMUM	1.77

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SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 6.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.47	MEAN VALUE	2.55
.01	SE(MEAN)	.00
.43	STD DEVIATION	.17
.01	SE(STD DEV)	.00
8.00	MAXIMUM	3.15
5.10	MINIMUM	2.01

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SYMMETRY---VETA 1 = .19  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.11	1ST	2.01
5.21	2ND	2.05
5.27	3RD	2.08
5.36	5TH	2.11
5.50	10TH	2.16
5.59	15TH	2.20
5.66	20TH	2.23
5.72	25TH	2.25
5.78	30TH	2.28
5.83	35TH	2.30
5.88	40TH	2.32
5.93	45TH	2.33
5.97	50TH	2.35
6.02	55TH	2.37
6.07	60TH	2.39
6.12	65TH	2.41
6.17	70TH	2.43
6.23	75TH	2.45
6.29	80TH	2.48
6.37	85TH	2.51
6.46	90TH	2.54
6.60	95TH	2.60
6.69	97TH	2.64
6.76	98TH	2.66
6.87	99TH	2.71

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.44	1ST	2.14
5.59	2ND	2.20
5.68	3RD	2.23
5.78	5TH	2.28
5.94	10TH	2.34
6.04	15TH	2.38
6.11	20TH	2.41
6.18	25TH	2.43
6.24	30TH	2.46
6.29	35TH	2.48
6.35	40TH	2.50
6.40	45TH	2.52
6.45	50TH	2.54
6.50	55TH	2.56
6.55	60TH	2.58
6.61	65TH	2.60
6.67	70TH	2.63
6.74	75TH	2.65
6.82	80TH	2.68
6.91	85TH	2.72
7.03	90TH	2.77
7.21	95TH	2.84
7.34	97TH	2.89
7.43	98TH	2.92
7.57	99TH	2.98

## (45) EAR LENGTH ABOVE TRAGION

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
2.87	MEAN VALUE	1.13
.00	SE(MEAN)	.00
.23	STD DEVIATION	.09
.00	SE(STD DEV)	.00
3.80	MAXIMUM	1.50
2.00	MINIMUM	.79

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.39  
 CCEF. OF VARIATION = 8.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
3.19	MEAN VALUE	1.25
.01	SE(MEAN)	.00
.25	STD DEVIATION	.10
.00	SE(STD DEV)	.00
4.20	MAXIMUM	1.65
2 40	MINIMUM	.94

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.46  
 COEF. OF VARIATION = 7.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.31	1ST	.91
2.38	2ND	.94
2.43	3RD	.96
2.49	5TH	.98
2.58	10TH	1.02
2.64	15TH	1.04
2.68	20TH	1.06
2.72	25TH	1.07
2.76	30TH	1.09
2.79	35TH	1.10
2.82	40TH	1.11
2.85	45TH	1.12
2.87	50TH	1.13
2.90	55TH	1.14
2.93	60TH	1.15
2.96	65TH	1.17
2.99	70TH	1.18
3.03	75TH	1.19
3.07	80TH	1.21
3.11	85TH	1.22
3.17	90TH	1.25
3.26	95TH	1.28
3.32	97TH	1.31
3.36	98TH	1.32
3.44	99TH	1.35

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.57	1ST	1.01
2.65	2ND	1.04
2.70	3RD	1.06
2.77	5TH	1.09
2.87	10TH	1.13
2.94	15TH	1.16
2.99	20TH	1.18
3.03	25TH	1.19
3.06	30TH	1.21
3.10	35TH	1.22
3.13	40TH	1.23
3.16	45TH	1.24
3.19	50TH	1.26
3.22	55TH	1.27
3.25	60TH	1.28
3.28	65TH	1.29
3.31	70TH	1.30
3.35	75TH	1.32
3.39	80TH	1.33
3.44	85TH	1.35
3.50	90TH	1.38
3.60	95TH	1.42
3.67	97TH	1.44
3.73	98TH	1.47
3.82	99TH	1.50

## (46) EAR PROTRUSION

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
2.18	MEAN VALUE	.86
.01	SE(MEAN)	.00
.30	STD DEVIATION	.12
.00	SE(STD DEV)	.00
3.30	MAXIMUM	1.30
1.40	MINIMUM	.55

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SYMMETRY---VETA I = .37  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 13.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
2.42	MEAN VALUE	.95
.01	SE(MEAN)	.00
.36	STD DEVIATION	.14
.01	SE(STD DEV)	.00
4.00	MAXIMUM	1.57
1.30	MINIMUM	.51

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SYMMETRY---VETA I = .31  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 14.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
1.56	1ST	.61
1.62	2ND	.64
1.66	3RD	.66
1.72	5TH	.68
1.81	10TH	.71
1.87	15TH	.74
1.92	20TH	.76
1.96	25TH	.77
2.01	30TH	.79
2.05	35TH	.81
2.08	40TH	.82
2.12	45TH	.84
2.16	50TH	.85
2.20	55TH	.87
2.24	60TH	.88
2.28	65TH	.90
2.33	70TH	.92
2.38	75TH	.94
2.44	80TH	.96
2.51	85TH	.99
2.59	90TH	1.02
2.72	95TH	1.07
2.81	97TH	1.11
2.87	98TH	1.13
2.97	99TH	1.17

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
1.66	1ST	.66
1.74	2ND	.69
1.79	3RD	.71
1.86	5TH	.73
1.98	10TH	.78
2.06	15TH	.81
2.12	20TH	.83
2.17	25TH	.86
2.22	30TH	.88
2.27	35TH	.89
2.32	40TH	.91
2.36	45TH	.93
2.40	50TH	.95
2.45	55TH	.96
2.49	60TH	.98
2.54	65TH	1.00
2.59	70TH	1.02
2.65	75TH	1.04
2.71	80TH	1.07
2.79	85TH	1.10
2.88	90TH	1.13
3.03	95TH	1.19
3.13	97TH	1.23
3.21	98TH	1.26
3.33	99TH	1.31

## (47) ELBOW CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>	<u>INCHES</u>
23.83 MEAN VALUE	9.38
.03 SE(MEAN)	.01
1.34 STD DEVIATION	.53
.02 SE(STD DEV)	.01
29.20 MAXIMUM	11.50
20.10 MINIMUM	7.91

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SYMMETRY---VETA I = .36  
 KURTOSIS---VETA II = 3.41  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>	<u>INCHES</u>
27.71 MEAN VALUE	10.91
.04 SE(MEAN)	.01
1.53 STD DEVIATION	.60
.03 SE(STD DEV)	.01
33.90 MAXIMUM	13.35
21.90 MINIMUM	8.62

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.37  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
20.96	1ST	8.25
21.27	2ND	8.37
21.47	3RD	8.45
21.75	5TH	8.56
22.18	10TH	8.73
22.47	15TH	8.85
22.71	20TH	8.94
22.91	25TH	9.02
23.10	30TH	9.09
23.27	35TH	9.16
23.44	40TH	9.23
23.60	45TH	9.29
23.76	50TH	9.35
23.92	55TH	9.42
24.09	60TH	9.49
24.27	65TH	9.55
24.46	70TH	9.63
24.67	75TH	9.71
24.91	80TH	9.81
25.19	85TH	9.92
25.57	90TH	10.07
26.17	95TH	10.30
26.58	97TH	10.46
26.90	98TH	10.59
27.43	99TH	10.80

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.28	1ST	9.56
24.71	2ND	9.73
24.96	3RD	9.83
25.30	5TH	9.96
25.81	10TH	10.16
26.16	15TH	10.30
26.43	20TH	10.40
26.66	25TH	10.50
26.88	30TH	10.58
27.08	35TH	10.66
27.27	40TH	10.74
27.46	45TH	10.81
27.65	50TH	10.88
27.84	55TH	10.96
28.03	60TH	11.04
28.24	65TH	11.12
28.46	70TH	11.20
28.70	75TH	11.30
28.97	80TH	11.41
29.29	85TH	11.53
29.70	90TH	11.69
30.32	95TH	11.94
30.72	97TH	12.09
31.01	98TH	12.21
31.46	99TH	12.39

## (48) ELBOW REST HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.05	MEAN VALUE	8.68
.06	SE(MEAN)	.02
2.68	STD DEVIATION	1.05
.04	SE(STD DEV)	.02
30.20	MAXIMUM	11.89
12.40	MINIMUM	4.88

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SYMMETRY---VETA I = -.04  
 KURTOSIS---VETA II = 2.88  
 COEF. OF VARIATION = 12.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.06	MEAN VALUE	9.08
.06	SE(MEAN)	.03
2.72	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
31.10	MAXIMUM	12.24
14.00	MINIMUM	5.51

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SYMMETRY---VETA I = -.15  
 KURTOSIS---VETA II = 2.82  
 COEF. OF VARIATION = 11.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.80	1ST	6.22
16.49	2ND	6.49
16.94	3RD	6.67
17.57	5TH	6.92
18.56	10TH	7.31
19.24	15TH	7.57
19.77	20TH	7.78
20.24	25TH	7.97
20.65	30TH	8.13
21.03	35TH	8.28
21.39	40TH	8.42
21.74	45TH	8.56
22.08	50TH	8.69
22.42	55TH	8.83
22.77	60TH	8.96
23.12	65TH	9.10
23.49	70TH	9.25
23.89	75TH	9.41
24.33	80TH	9.58
24.84	85TH	9.78
25.49	90TH	10.03
26.44	95TH	10.41
27.06	97TH	10.65
27.52	98TH	10.83
28.24	99TH	11.12

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.75	1ST	6.60
17.35	2ND	6.83
17.78	3RD	7.00
18.41	5TH	7.25
19.44	10TH	7.65
20.17	15TH	7.94
20.74	20TH	8.17
21.24	25TH	8.36
21.69	30TH	8.54
22.09	35TH	8.70
22.47	40TH	8.85
22.83	45TH	8.99
23.19	50TH	9.13
23.53	55TH	9.27
23.88	60TH	9.40
24.23	65TH	9.54
24.59	70TH	9.68
24.98	75TH	9.83
25.40	80TH	10.00
25.88	85TH	10.19
26.48	90TH	10.43
27.37	95TH	10.78
27.96	97TH	11.01
28.41	98TH	11.19
29.16	99TH	11.48



(49) EYE HEIGHT, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
73.87	MEAN VALUE	29.08
.07	SE(MEAN)	.03
3.32	STD DEVIATION	1.31
.05	SE(STD DEV)	.02
86.40	MAXIMUM	34.02
64.00	MINIMUM	25.20

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SYMMETRY---VETA I = .10  
KURTOSIS---VETA II = 2.87  
COEF. OF VARIATION = 4.5%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
79.20	MEAN VALUE	31.18
.08	SE(MEAN)	.03
3.42	STD DEVIATION	1.35
.06	SE(STD DEV)	.02
90.30	MAXIMUM	35.55
67.30	MINIMUM	26.50

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SYMMETRY---VETA I = -.04  
KURTOSIS---VETA II = 2.92  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
66.40	1ST	26.14
67.21	2ND	26.46
67.74	3RD	26.67
68.46	5TH	26.95
69.60	10TH	27.40
70.38	15TH	27.71
71.01	20TH	27.96
71.56	25TH	28.17
72.06	30TH	28.37
72.52	35TH	28.55
72.96	40TH	28.72
73.39	45TH	28.89
73.82	50TH	29.06
74.25	55TH	29.23
74.68	60TH	29.40
75.13	65TH	29.58
75.61	70TH	29.77
76.13	75TH	29.97
76.71	80TH	30.20
77.37	85TH	30.46
78.21	90TH	30.79
79.43	95TH	31.27
80.20	97TH	31.57
80.75	98TH	31.79
81.59	99TH	32.12

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
71.18	1ST	28.02
72.11	2ND	28.39
72.70	3RD	28.62
73.50	5TH	28.94
74.76	10TH	29.43
75.61	15TH	29.77
76.29	20TH	30.04
76.88	25TH	30.27
77.40	30TH	30.47
77.88	35TH	30.66
78.34	40TH	30.84
78.79	45TH	31.02
79.23	50TH	31.19
79.66	55TH	31.36
80.10	60TH	31.54
80.56	65TH	31.72
81.04	70TH	31.90
81.55	75TH	32.11
82.13	80TH	32.33
82.78	85TH	32.59
83.61	90TH	32.92
84.80	95TH	33.39
85.56	97TH	33.68
86.10	98TH	33.90
86.93	99TH	34.23

(50) FOOT BREADTH, HORIZONTAL

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
8.97	MEAN VALUE	3.53
.01	SE(MEAN)	.00
.49	STD DEVIATION	.19
.01	SE(STD DEV)	.00
10.90	MAXIMUM	4.29
7.30	MINIMUM	2.87

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SYMMETRY---VETA I = .13  
KURTOSIS---VETA II = 3.18  
COEF. OF VARIATION = 5.5%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.06	MEAN VALUE	3.96
.01	SE(MEAN)	.00
.53	STD DEVIATION	.21
.01	SE(STD DEV)	.00
12.20	MAXIMUM	4.80
8.00	MINIMUM	3.15

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SYMMETRY---VETA I = .21  
KURTOSIS---VETA II = 3.36  
COEF. OF VARIATION = 5.2%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.87	1ST	3.10
7.98	2ND	3.14
8.06	3RD	3.17
8.16	5TH	3.21
8.34	10TH	3.28
8.46	15TH	3.33
8.55	20TH	3.37
8.63	25TH	3.40
8.71	30TH	3.43
8.78	35TH	3.46
8.84	40TH	3.48
8.90	45TH	3.50
8.96	50TH	3.53
9.02	55TH	3.55
9.08	60TH	3.58
9.15	65TH	3.60
9.21	70TH	3.63
9.29	75TH	3.66
9.37	80TH	3.69
9.46	85TH	3.73
9.59	90TH	3.77
9.78	95TH	3.85
9.91	97TH	3.90
10.02	98TH	3.94
10.20	99TH	4.02

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
8.90	1ST	3.51
9.03	2ND	3.56
9.11	3RD	3.59
9.23	5TH	3.63
9.41	10TH	3.70
9.53	15TH	3.75
9.62	20TH	3.79
9.71	25TH	3.82
9.78	30TH	3.85
9.85	35TH	3.88
9.92	40TH	3.90
9.98	45TH	3.93
10.05	50TH	3.96
10.11	55TH	3.98
10.18	60TH	4.01
10.25	65TH	4.03
10.32	70TH	4.06
10.40	75TH	4.09
10.49	80TH	4.13
10.60	85TH	4.17
10.74	90TH	4.23
10.95	95TH	4.31
11.10	97TH	4.37
11.21	98TH	4.41
11.40	99TH	4.49

## (51) FOOT LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.44	MEAN VALUE	9.62
.03	SE(MEAN)	.01
1.22	STD DEVIATION	.48
.02	SE(STD DEV)	.01
29.00	MAXIMUM	11.42
20.30	MINIMUM	7.99

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SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 2.89  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
26.97	MEAN VALUE	10.62
.03	SE(MEAN)	.01
1.31	STD DEVIATION	.52
.02	SE(STD DEV)	.01
31.00	MAXIMUM	12.20
22.80	MINIMUM	8.98

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
21.69	1ST	8.54
21.98	2ND	8.66
22.17	3RD	8.73
22.44	5TH	8.83
22.86	10TH	9.00
23.15	15TH	9.12
23.39	20TH	9.21
23.60	25TH	9.29
23.78	30TH	9.36
23.95	35TH	9.43
24.12	40TH	9.50
24.28	45TH	9.56
24.43	50TH	9.62
24.59	55TH	9.68
24.75	60TH	9.75
24.92	65TH	9.81
25.09	70TH	9.88
25.28	75TH	9.95
25.49	80TH	10.03
25.73	85TH	10.13
26.03	90TH	10.25
26.46	95TH	10.42
26.73	97TH	10.52
26.92	98TH	10.60
27.22	99TH	10.72

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.99	1ST	9.44
24.35	2ND	9.59
24.58	3RD	9.68
24.88	5TH	9.79
25.33	10TH	9.97
25.63	15TH	10.09
25.87	20TH	10.19
26.08	25TH	10.27
26.27	30TH	10.34
26.44	35TH	10.41
26.60	40TH	10.47
26.77	45TH	10.54
26.93	50TH	10.60
27.09	55TH	10.67
27.26	60TH	10.73
27.43	65TH	10.80
27.62	70TH	10.87
27.82	75TH	10.95
28.05	80TH	11.04
28.32	85TH	11.15
28.67	90TH	11.29
29.20	95TH	11.50
29.55	97TH	11.63
29.81	98TH	11.73
30.21	99TH	11.90

(52) FOREARM CIRCUMFERENCE, FLEXED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
25.37	MEAN VALUE	9.99
.03	SE(MEAN)	.01
1.51	STD DEVIATION	.59
.02	SE(STD DEV)	.01
32.50	MAXIMUM	12.80
21.00	MINIMUM	8.27

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SYMMETRY---VETA I = .30  
KURTOSIS---VETA II = 3.54  
COEF. OF VARIATION = 5.9%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.35	MEAN VALUE	11.95
.04	SE(MEAN)	.02
1.88	STD DEVIATION	.74
.03	SE(STD DEV)	.01
37.20	MAXIMUM	14.65
23.30	MINIMUM	9.17

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SYMMETRY---VETA I = .24  
KURTOSIS---VETA II = 3.29  
COEF. OF VARIATION = 6.2%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
21.99	1ST	8.66
22.40	2ND	8.82
22.65	3RD	8.92
22.99	5TH	9.05
23.51	10TH	9.26
23.85	15TH	9.39
24.13	20TH	9.50
24.36	25TH	9.59
24.57	30TH	9.67
24.77	35TH	9.75
24.95	40TH	9.82
25.13	45TH	9.89
25.31	50TH	9.97
25.50	55TH	10.04
25.68	60TH	10.11
25.87	65TH	10.19
26.08	70TH	10.27
26.31	75TH	10.36
26.57	80TH	10.46
26.88	85TH	10.58
27.29	90TH	10.75
27.94	95TH	11.00
28.38	97TH	11.17
28.73	98TH	11.31
29.30	99TH	11.54

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.29	1ST	10.35
26.78	2ND	10.54
27.08	3RD	10.66
27.47	5TH	10.81
28.06	10TH	11.05
28.45	15TH	11.20
28.77	20TH	11.33
29.05	25TH	11.44
29.31	30TH	11.54
29.55	35TH	11.63
29.78	40TH	11.72
30.01	45TH	11.82
30.24	50TH	11.91
30.48	55TH	12.00
30.72	60TH	12.10
30.98	65TH	12.20
31.25	70TH	12.30
31.56	75TH	12.42
31.90	80TH	12.56
32.31	85TH	12.72
32.83	90TH	12.93
33.61	95TH	13.23
34.11	97TH	13.43
34.47	98TH	13.57
35.02	99TH	13.79

## (53) FOREARM-FOREARM BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
46.85	MEAN VALUE	18.44
.07	SE(MEAN)	.03
3.47	STD DEVIATION	1.36
.05	SE(STD DEV)	.02
60.90	MAXIMUM	23.98
37.30	MINIMUM	14.69

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SYMMETRY---VETA I = .34  
 KURTOSIS---VETA II = 3.26  
 COEF. OF VARIATION = 7.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
54.61	MEAN VALUE	21.50
.10	SE(MEAN)	.04
4.36	STD DEVIATION	1.72
.07	SE(STD DEV)	.03
72.50	MAXIMUM	28.54
39.90	MINIMUM	15.71

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 8.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
39.42	1ST	15.52
40.24	2ND	15.84
40.76	3RD	16.05
41.47	5TH	16.33
42.58	10TH	16.76
43.33	15TH	17.06
43.94	20TH	17.30
44.47	25TH	17.51
44.94	30TH	17.69
45.39	35TH	17.87
45.82	40TH	18.04
46.24	45TH	18.20
46.66	50TH	18.37
47.08	55TH	18.54
47.52	60TH	18.71
47.98	65TH	18.89
48.47	70TH	19.08
49.01	75TH	19.30
49.63	80TH	19.54
50.37	85TH	19.83
51.33	90TH	20.21
52.84	95TH	20.80
53.87	97TH	21.21
54.66	98TH	21.52
55.95	99TH	22.03

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
45.12	1ST	17.76
46.17	2ND	18.18
46.84	3RD	18.44
47.74	5TH	18.80
49.16	10TH	19.35
50.13	15TH	19.74
50.91	20TH	20.04
51.59	25TH	20.31
52.21	30TH	20.56
52.79	35TH	20.79
53.35	40TH	21.00
53.90	45TH	21.22
54.45	50TH	21.44
55.00	55TH	21.65
55.56	60TH	21.88
56.16	65TH	22.11
56.79	70TH	22.36
57.47	75TH	22.63
58.25	80TH	22.93
59.16	85TH	23.29
60.32	90TH	23.75
62.06	95TH	24.43
63.18	97TH	24.87
64.00	98TH	25.20
65.27	99TH	25.70

## (54) FOREARM-HAND LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
44.29	MEAN VALUE	17.44
.05	SE(MEAN)	.02
2.34	STD DEVIATION	.92
.04	SE(STD DEV)	.01
54.60	MAXIMUM	21.50
32.40	MINIMUM	12.76

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.29  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
48.40	MEAN VALUE	19.06
.06	SE(MEAN)	.02
2.33	STD DEVIATION	.92
.04	SE(STD DEV)	.02
57.80	MAXIMUM	22.76
38.60	MINIMUM	15.20

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SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.43  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
39.14	1ST	15.41
39.74	2ND	15.65
40.12	3RD	15.79
40.62	5TH	15.99
41.38	10TH	16.29
41.91	15TH	16.50
42.32	20TH	16.66
42.69	25TH	16.81
43.02	30TH	16.94
43.33	35TH	17.06
43.63	40TH	17.18
43.92	45TH	17.29
44.21	50TH	17.41
44.51	55TH	17.52
44.81	60TH	17.64
45.13	65TH	17.77
45.47	70TH	17.90
45.84	75TH	18.05
46.26	80TH	18.21
46.74	85TH	18.40
47.35	90TH	18.64
48.25	95TH	18.99
48.81	97TH	19.22
49.21	98TH	19.38
49.81	99TH	19.61

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
43.43	1ST	17.10
43.98	2ND	17.31
44.32	3RD	17.45
44.79	5TH	17.63
45.52	10TH	17.92
46.02	15TH	18.12
46.42	20TH	18.28
46.78	25TH	18.42
47.10	30TH	18.54
47.41	35TH	18.66
47.70	40TH	18.78
47.99	45TH	18.89
48.28	50TH	19.01
48.58	55TH	19.12
48.88	60TH	19.24
49.20	65TH	19.37
49.53	70TH	19.50
49.91	75TH	19.65
50.33	80TH	19.82
50.83	85TH	20.01
51.46	90TH	20.26
52.42	95TH	20.64
53.04	97TH	20.88
53.49	98TH	21.06
54.20	99TH	21.34

## (55) FUNCTIONAL LEG LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
101.20	MEAN VALUE	39.84
.10	SE(MEAN)	.04
4.91	STD DEVIATION	1.93
.07	SE(STD DEV)	.03
118.00	MAXIMUM	46.46
81.90	MINIMUM	32.24

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
108.21	MEAN VALUE	42.60
.12	SE(MEAN)	.05
5.10	STD DEVIATION	2.01
.09	SE(STD DEV)	.03
129.10	MAXIMUM	50.83
88.10	MINIMUM	34.69

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
89.76	1ST	35.34
91.20	2ND	35.91
92.09	3RD	36.25
93.25	5TH	36.71
94.99	10TH	37.40
96.15	15TH	37.86
97.07	20TH	38.21
97.86	25TH	38.53
98.57	30TH	38.81
99.22	35TH	39.06
99.85	40TH	39.31
100.47	45TH	39.55
101.08	50TH	39.79
101.70	55TH	40.04
102.32	60TH	40.28
102.98	65TH	40.54
103.67	70TH	40.82
104.43	75TH	41.12
105.29	80TH	41.45
106.28	85TH	41.84
107.55	90TH	42.34
109.42	95TH	43.08
110.62	97TH	43.55
111.49	98TH	43.89
112.82	99TH	44.42

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
96.90	1ST	38.15
98.26	2ND	38.69
99.09	3RD	39.01
100.19	5TH	39.44
101.85	10TH	40.10
102.98	15TH	40.54
103.88	20TH	40.90
104.67	25TH	41.21
105.39	30TH	41.49
106.06	35TH	41.76
106.71	40TH	42.01
107.35	45TH	42.26
107.99	50TH	42.52
108.64	55TH	42.77
109.30	60TH	43.03
110.00	65TH	43.31
110.75	70TH	43.60
111.56	75TH	43.92
112.48	80TH	44.28
113.55	85TH	44.71
114.91	90TH	45.24
116.89	95TH	46.02
118.14	97TH	46.51
119.02	98TH	46.86
120.33	99TH	47.38

## (56) GLUTEAL FURROW HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
74.43	MEAN VALUE	29.30
.09	SE(MEAN)	.04
4.30	STD DEVIATION	1.69
.06	SE(STD DEV)	.03
91.60	MAXIMUM	36.06
56.80	MINIMUM	22.36

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 5.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
81.44	MEAN VALUE	32.06
.11	SE(MEAN)	.04
4.56	STD DEVIATION	1.80
.08	SE(STD DEV)	.03
102.50	MAXIMUM	40.35
64.90	MINIMUM	25.55

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
64.79	1ST	25.51
65.89	2ND	25.94
66.59	3RD	26.22
67.54	5TH	26.59
69.01	10TH	27.17
70.01	15TH	27.56
70.81	20TH	27.88
71.50	25TH	28.15
72.12	30TH	28.39
72.70	35TH	28.62
73.25	40TH	28.84
73.79	45TH	29.05
74.33	50TH	29.26
74.87	55TH	29.48
75.42	60TH	29.69
75.99	65TH	29.92
76.60	70TH	30.16
77.27	75TH	30.42
78.02	80TH	30.72
78.90	85TH	31.06
80.03	90TH	31.51
81.74	95TH	32.18
82.87	97TH	32.62
83.71	98TH	32.96
85.04	99TH	33.48

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
71.32	1ST	28.08
72.54	2ND	28.56
73.29	3RD	28.85
74.26	5TH	29.24
75.75	10TH	29.82
76.75	15TH	30.22
77.55	20TH	30.53
78.26	25TH	30.81
78.90	30TH	31.06
79.51	35TH	31.30
80.09	40TH	31.53
80.66	45TH	31.76
81.24	50TH	31.98
81.82	55TH	32.21
82.42	60TH	32.45
83.05	65TH	32.70
83.72	70TH	32.96
84.46	75TH	33.25
85.28	80TH	33.58
86.24	85TH	33.95
87.46	90TH	34.43
89.21	95TH	35.12
90.30	97TH	35.55
91.06	98TH	35.85
92.16	99TH	36.28



## (57) HAND BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
7.94	MEAN VALUE	3.13
.01	SE(MEAN)	.00
.38	STD DEVIATION	.15
.01	SE(STD DEV)	.00
9.80	MAXIMUM	3.86
6.60	MINIMUM	2.60

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.49  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.04	MEAN VALUE	3.56
.01	SE(MEAN)	.00
.42	STD DEVIATION	.17
.01	SE(STD DEV)	.00
10.60	MAXIMUM	4.17
7.70	MINIMUM	3.03

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.09	1ST	2.79
7.19	2ND	2.83
7.25	3RD	2.86
7.34	5TH	2.89
7.47	10TH	2.94
7.56	15TH	2.98
7.63	20TH	3.00
7.69	25TH	3.03
7.74	30TH	3.05
7.79	35TH	3.07
7.84	40TH	3.09
7.89	45TH	3.11
7.93	50TH	3.12
7.98	55TH	3.14
8.03	60TH	3.16
8.08	65TH	3.18
8.13	70TH	3.20
8.18	75TH	3.22
8.25	80TH	3.25
8.32	85TH	3.28
8.42	90TH	3.31
8.56	95TH	3.37
8.66	97TH	3.41
8.74	98TH	3.44
8.86	99TH	3.49

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
8.07	1ST	3.18
8.19	2ND	3.22
8.27	3RD	3.25
8.36	5TH	3.29
8.51	10TH	3.35
8.61	15TH	3.39
8.69	20TH	3.42
8.75	25TH	3.45
8.82	30TH	3.47
8.87	35TH	3.49
8.93	40TH	3.51
8.98	45TH	3.54
9.03	50TH	3.56
9.09	55TH	3.58
9.14	60TH	3.60
9.20	65TH	3.62
9.26	70TH	3.64
9.32	75TH	3.67
9.40	80TH	3.70
9.48	85TH	3.73
9.59	90TH	3.78
9.76	95TH	3.84
9.86	97TH	3.88
9.93	98TH	3.91
10.04	99TH	3.95

## (58) HAND CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.62	MEAN VALUE	7.33
.02	SE(MEAN)	.01
.85	STD DEVIATION	.33
.01	SE(STD DEV)	.01
23.00	MAXIMUM	9.06
15.80	MINIMUM	6.22

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.46  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.38	MEAN VALUE	8.42
.02	SE(MEAN)	.01
.97	STD DEVIATION	.38
.02	SE(STD DEV)	.01
24.70	MAXIMUM	9.72
18.20	MINIMUM	7.17

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.73	1ST	6.59
16.93	2ND	6.67
17.07	3RD	6.72
17.25	5TH	6.79
17.55	10TH	6.91
17.75	15TH	6.99
17.91	20TH	7.05
18.04	25TH	7.10
18.17	30TH	7.15
18.28	35TH	7.20
18.39	40TH	7.24
18.50	45TH	7.28
18.60	50TH	7.32
18.70	55TH	7.36
18.81	60TH	7.41
18.92	65TH	7.45
19.04	70TH	7.49
19.16	75TH	7.54
19.30	80TH	7.60
19.47	85TH	7.67
19.69	90TH	7.75
20.03	95TH	7.88
20.25	97TH	7.97
20.43	98TH	8.04
20.72	99TH	8.16

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.16	1ST	7.54
19.45	2ND	7.66
19.62	3RD	7.72
19.85	5TH	7.81
20.18	10TH	7.94
20.40	15TH	8.03
20.57	20TH	8.10
20.72	25TH	8.16
20.86	30TH	8.21
20.98	35TH	8.26
21.11	40TH	8.31
21.22	45TH	8.36
21.34	50TH	8.40
21.46	55TH	8.45
21.59	60TH	8.50
21.72	65TH	8.55
21.86	70TH	8.61
22.01	75TH	8.67
22.18	80TH	8.73
22.38	85TH	8.81
22.64	90TH	8.92
23.03	95TH	9.07
23.28	97TH	9.17
23.46	98TH	9.24
23.74	99TH	9.35

## (59) HAND LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.05	MEAN VALUE	7.10
.02	SE(MEAN)	.01
.97	STD DEVIATION	.38
.01	SE(STD DEV)	.01
21.50	MAXIMUM	8.46
14.90	MINIMUM	5.87

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.38	MEAN VALUE	7.63
.02	SE(MEAN)	.01
.98	STD DEVIATION	.39
.02	SE(STD DEV)	.01
23.30	MAXIMUM	9.17
16.00	MINIMUM	6.30

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SYMMETRY---VETA I = .31  
 KURTOSIS---VETA II = 3.45  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.89	1ST	6.26
16.13	2ND	6.35
16.29	3RD	6.41
16.50	5TH	6.50
16.83	10TH	6.63
17.06	15TH	6.72
17.24	20TH	6.79
17.39	25TH	6.85
17.53	30TH	6.90
17.66	35TH	6.95
17.78	40TH	7.00
17.90	45TH	7.05
18.02	50TH	7.09
18.14	55TH	7.14
18.26	60TH	7.19
18.39	65TH	7.24
18.52	70TH	7.29
18.67	75TH	7.35
18.84	80TH	7.42
19.04	85TH	7.49
19.29	90TH	7.60
19.69	95TH	7.75
19.96	97TH	7.86
20.16	98TH	7.94
20.50	99TH	8.07

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.28	1ST	6.80
17.52	2ND	6.90
17.67	3RD	6.96
17.87	5TH	7.04
18.18	10TH	7.16
18.39	15TH	7.24
18.56	20TH	7.31
18.71	25TH	7.37
18.85	30TH	7.42
18.97	35TH	7.47
19.09	40TH	7.52
19.21	45TH	7.56
19.33	50TH	7.61
19.45	55TH	7.66
19.57	60TH	7.70
19.70	65TH	7.75
19.84	70TH	7.81
19.99	75TH	7.87
20.16	80TH	7.94
20.37	85TH	8.02
20.64	90TH	8.13
21.06	95TH	8.29
21.34	97TH	8.40
21.55	98TH	8.49
21.90	99TH	8.62

## (60) HEAD BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.44	MEAN VALUE	5.69
.01	SE(MEAN)	.00
.49	STD DEVIATION	.19
.01	SE(STD DEV)	.00
16.70	MAXIMUM	6.57
12.60	MINIMUM	4.96

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SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.52  
 COEF. OF VARIATION = 3.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.17	MEAN VALUE	5.97
.01	SE(MEAN)	.01
.54	STD DEVIATION	.21
.01	SE(STD DEV)	.00
17.30	MAXIMUM	6.81
12.80	MINIMUM	5.04

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.33	1ST	5.25
13.46	2ND	5.30
13.55	3RD	5.33
13.66	5TH	5.38
13.83	10TH	5.45
13.95	15TH	5.49
14.04	20TH	5.53
14.12	25TH	5.56
14.19	30TH	5.59
14.25	35TH	5.61
14.31	40TH	5.63
14.37	45TH	5.66
14.43	50TH	5.68
14.49	55TH	5.70
14.55	60TH	5.73
14.61	65TH	5.75
14.68	70TH	5.78
14.75	75TH	5.81
14.84	80TH	5.84
14.94	85TH	5.88
15.07	90TH	5.93
15.27	95TH	6.01
15.41	97TH	6.07
15.51	98TH	6.11
15.69	99TH	6.18

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.92	1ST	5.48
14.08	2ND	5.54
14.18	3RD	5.58
14.31	5TH	5.63
14.50	10TH	5.71
14.62	15TH	5.76
14.72	20TH	5.80
14.81	25TH	5.83
14.88	30TH	5.86
14.96	35TH	5.89
15.02	40TH	5.91
15.09	45TH	5.94
15.15	50TH	5.97
15.22	55TH	5.99
15.29	60TH	6.02
15.36	65TH	6.05
15.43	70TH	6.08
15.51	75TH	6.11
15.61	80TH	6.15
15.72	85TH	6.19
15.86	90TH	6.25
16.08	95TH	6.33
16.23	97TH	6.39
16.34	98TH	6.43
16.52	99TH	6.50

(61) HEAD CIRCUMFERENCE

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
54.62	MEAN VALUE	21.50
.03	SE(MEAN)	.01
1.46	STD DEVIATION	.58
.02	SE(STD DEV)	.01
61.10	MAXIMUM	24.06
50.00	MINIMUM	19.69

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SYMMETRY---VETA I = .19  
KURTOSIS---VETA II = 3.34  
COEF. OF VARIATION = 2.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
56.77	MEAN VALUE	22.35
.04	SE(MEAN)	.01
1.54	STD DEVIATION	.60
.03	SE(STD DEV)	.01
62.70	MAXIMUM	24.69
51.40	MINIMUM	20.24

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SYMMETRY---VETA I = .10  
KURTOSIS---VETA II = 3.16  
COEF. OF VARIATION = 2.7%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
51.34	1ST	20.21
51.69	2ND	20.35
51.92	3RD	20.44
52.25	5TH	20.57
52.77	10TH	20.78
53.13	15TH	20.92
53.41	20TH	21.03
53.65	25TH	21.12
53.86	30TH	21.20
54.06	35TH	21.28
54.24	40TH	21.36
54.42	45TH	21.43
54.60	50TH	21.50
54.77	55TH	21.56
54.95	60TH	21.63
55.14	65TH	21.71
55.33	70TH	21.78
55.55	75TH	21.87
55.79	80TH	21.96
56.07	85TH	22.08
56.45	90TH	22.23
57.05	95TH	22.46
57.48	97TH	22.63
57.82	98TH	22.76
58.40	99TH	22.99

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
53.32	1ST	20.99
53.69	2ND	21.14
53.93	3RD	21.23
54.27	5TH	21.37
54.81	10TH	21.58
55.18	15TH	21.72
55.47	20TH	21.84
55.73	25TH	21.94
55.96	30TH	22.03
56.17	35TH	22.11
56.37	40TH	22.19
56.56	45TH	22.27
56.75	50TH	22.34
56.94	55TH	22.42
57.13	60TH	22.49
57.33	65TH	22.57
57.54	70TH	22.65
57.77	75TH	22.75
58.03	80TH	22.85
58.34	85TH	22.97
58.73	90TH	23.12
59.35	95TH	23.37
59.77	97TH	23.53
60.10	98TH	23.66
60.65	99TH	23.88

## (62) HEAD LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.72	MEAN VALUE	7.37
.01	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
21.10	MAXIMUM	8.31
15.80	MINIMUM	6.22

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SYMMETRY---VETA I = -.11  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 3.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.71	MEAN VALUE	7.76
.02	SE(MEAN)	.01
.71	STD DEVIATION	.28
.01	SE(STD DEV)	.00
22.00	MAXIMUM	8.66
17.30	MINIMUM	6.81

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SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.23	1ST	6.78
17.48	2ND	6.84
17.63	3RD	6.88
17.87	5TH	6.94
18.04	10TH	7.04
18.17	15TH	7.10
18.29	20TH	7.16
18.39	25TH	7.20
18.48	30TH	7.24
18.57	35TH	7.28
18.66	40TH	7.31
18.74	45TH	7.34
18.82	50TH	7.38
18.90	55TH	7.41
18.98	60TH	7.44
19.07	65TH	7.47
19.16	70TH	7.51
19.26	75TH	7.54
19.38	80TH	7.58
19.53	85TH	7.63
19.75	90TH	7.69
19.90	95TH	7.77
20.01	97TH	7.83
20.19	98TH	7.88
	99TH	7.95

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.02	1ST	7.09
18.23	2ND	7.18
18.36	3RD	7.23
18.53	5TH	7.30
18.81	10TH	7.40
18.99	15TH	7.47
19.13	20TH	7.53
19.25	25TH	7.58
19.35	30TH	7.62
19.45	35TH	7.66
19.54	40TH	7.69
19.63	45TH	7.73
19.72	50TH	7.76
19.81	55TH	7.80
19.90	60TH	7.83
19.99	65TH	7.87
20.08	70TH	7.91
20.18	75TH	7.95
20.30	80TH	7.99
20.43	85TH	8.04
20.60	90TH	8.11
20.85	95TH	8.21
21.01	97TH	8.27
21.14	98TH	8.32
21.34	99TH	8.40

## (63) HEEL ANKLE CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.48	MEAN VALUE	12.00
.03	SE(MEAN)	.01
1.49	STD DEVIATION	.59
.02	SE(STD DEV)	.01
36.50	MAXIMUM	14.37
25.70	MINIMUM	10.12

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
33.90	MEAN VALUE	13.35
.04	SE(MEAN)	.02
1.63	STD DEVIATION	.64
.03	SE(STD DEV)	.01
40.20	MAXIMUM	15.83
28.80	MINIMUM	11.34

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
27.25	1ST	10.73
27.56	2ND	10.85
27.77	3RD	10.93
28.08	5TH	11.06
28.58	10TH	11.25
28.93	15TH	11.39
29.21	20TH	11.50
29.46	25TH	11.60
29.68	30TH	11.68
29.88	35TH	11.76
30.07	40TH	11.84
30.26	45TH	11.91
30.44	50TH	11.99
30.63	55TH	12.06
30.82	60TH	12.13
31.01	65TH	12.21
31.22	70TH	12.29
31.44	75TH	12.38
31.69	80TH	12.48
31.99	85TH	12.60
32.38	90TH	12.75
33.00	95TH	12.99
33.43	97TH	13.16
33.76	98TH	13.29
34.34	99TH	13.52

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.31	1ST	11.93
30.69	2ND	12.08
30.94	3RD	12.18
31.29	5TH	12.32
31.84	10TH	12.54
32.23	15TH	12.69
32.53	20TH	12.81
32.80	25TH	12.91
33.03	30TH	13.01
33.25	35TH	13.09
33.46	40TH	13.17
33.67	45TH	13.25
33.87	50TH	13.33
34.07	55TH	13.41
34.27	60TH	13.49
34.49	65TH	13.58
34.71	70TH	13.67
34.96	75TH	13.76
35.24	80TH	13.87
35.56	85TH	14.00
35.99	90TH	14.17
36.65	95TH	14.43
37.11	97TH	14.61
37.46	98TH	14.75
38.04	99TH	14.98

(64) HEEL BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.30	MEAN VALUE	2.48
.01	SE(MEAN)	.00
.48	STD DEVIATION	.19
.01	SE(STD DEV)	.00
8.40	MAXIMUM	3.31
5.00	MINIMUM	1.97

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SYMMETRY---VETA I = .41  
KURTOSIS---VETA II = 3.29  
COEF. OF VARIATION = 7.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
7.01	MEAN VALUE	2.76
.01	SE(MEAN)	.00
.53	STD DEVIATION	.21
.01	SE(STD DEV)	.00
9.00	MAXIMUM	3.54
5.50	MINIMUM	2.17

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SYMMETRY---VETA I = .49  
KURTOSIS---VETA II = 3.36  
COEF. OF VARIATION = 7.5%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.32	1ST	2.09
5.41	2ND	2.13
5.48	3RD	2.16
5.57	5TH	2.19
5.71	10TH	2.25
5.81	15TH	2.29
5.89	20TH	2.32
5.96	25TH	2.35
6.03	30TH	2.37
6.09	35TH	2.40
6.15	40TH	2.42
6.21	45TH	2.44
6.27	50TH	2.47
6.33	55TH	2.49
6.39	60TH	2.52
6.46	65TH	2.54
6.53	70TH	2.57
6.61	75TH	2.60
6.69	80TH	2.64
6.80	85TH	2.68
6.94	90TH	2.73
7.14	95TH	2.81
7.28	97TH	2.87
7.39	98TH	2.91
7.56	99TH	2.98

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.97	1ST	2.35
6.07	2ND	2.39
6.14	3RD	2.42
6.23	5TH	2.45
6.38	10TH	2.51
6.48	15TH	2.55
6.57	20TH	2.59
6.64	25TH	2.62
6.71	30TH	2.64
6.78	35TH	2.67
6.84	40TH	2.69
6.90	45TH	2.72
6.97	50TH	2.74
7.03	55TH	2.77
7.10	60TH	2.80
7.17	65TH	2.82
7.25	70TH	2.86
7.34	75TH	2.89
7.44	80TH	2.93
7.56	85TH	2.98
7.71	90TH	3.04
7.95	95TH	3.13
8.12	97TH	3.20
8.24	98TH	3.25
8.45	99TH	3.33



## (65) HIP BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
34.27	MEAN VALUE	13.49
.05	SE(MEAN)	.02
2.24	STD DEVIATION	.88
.03	SE(STD DEV)	.01
42.00	MAXIMUM	16.54
27.00	MINIMUM	10.63

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SYMMETRY---VETA I = .29  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 6.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
34.18	MEAN VALUE	13.46
.05	SE(MEAN)	.02
2.03	STD DEVIATION	.80
.03	SE(STD DEV)	.01
41.60	MAXIMUM	16.38
28.20	MINIMUM	11.10

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.58	1ST	11.65
30.05	2ND	11.83
30.35	3RD	11.95
30.78	5TH	12.12
31.47	10TH	12.39
31.96	15TH	12.58
32.35	20TH	12.74
32.70	25TH	12.87
33.01	30TH	13.00
33.31	35TH	13.11
33.59	40TH	13.23
33.87	45TH	13.34
34.15	50TH	13.45
34.44	55TH	13.56
34.73	60TH	13.67
35.03	65TH	13.79
35.36	70TH	13.92
35.71	75TH	14.06
36.12	80TH	14.22
36.59	85TH	14.41
37.21	90TH	14.65
38.15	95TH	15.02
38.77	97TH	15.27
39.24	98TH	15.45
40.00	99TH	15.75

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.64	1ST	11.67
30.18	2ND	11.88
30.51	3RD	12.01
30.97	5TH	12.19
31.66	10TH	12.46
32.12	15TH	12.65
32.49	20TH	12.79
32.81	25TH	12.92
33.10	30TH	13.03
33.36	35TH	13.14
33.62	40TH	13.24
33.87	45TH	13.33
34.12	50TH	13.43
34.37	55TH	13.53
34.62	60TH	13.63
34.89	65TH	13.74
35.18	70TH	13.85
35.49	75TH	13.97
35.85	80TH	14.11
36.27	85TH	14.28
36.82	90TH	14.50
37.65	95TH	14.82
38.22	97TH	15.05
38.64	98TH	15.21
39.32	99TH	15.48

(66) HIP BREADTH, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.45	MEAN VALUE	15.14
.06	SE (MEAN)	.02
2.72	STD DEVIATION	1.07
.04	SE (STD DEV)	.02
49.30	MAXIMUM	19.41
30.80	MINIMUM	12.13

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SYMMETRY---VETA I = .34  
KURTOSIS---VETA II = 3.11  
COEF. OF VARIATION = 7.18  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.68	MEAN VALUE	14.44
.06	SE (MEAN)	.02
2.52	STD DEVIATION	.99
.04	SE (STD DEV)	.02
48.40	MAXIMUM	19.06
29.90	MINIMUM	11.77

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SYMMETRY---VETA I = .36  
KURTOSIS---VETA II = 3.22  
COEF. OF VARIATION = 6.98  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.71	1ST	12.88
33.33	2ND	13.12
33.72	3RD	13.28
34.25	5TH	13.48
35.08	10TH	13.81
35.65	15TH	14.03
36.11	20TH	14.22
36.52	25TH	14.38
36.90	30TH	14.53
37.25	35TH	14.67
37.60	40TH	14.80
37.94	45TH	14.94
38.28	50TH	15.07
38.63	55TH	15.21
38.99	60TH	15.35
39.36	65TH	15.50
39.77	70TH	15.66
40.21	75TH	15.83
40.72	80TH	16.03
41.32	85TH	16.27
42.08	90TH	16.57
43.22	95TH	17.02
43.96	97TH	17.31
44.49	98TH	17.52
45.32	99TH	17.84

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.15	1ST	12.26
31.90	2ND	12.56
32.33	3RD	12.73
32.87	5TH	12.94
33.64	10TH	13.24
34.15	15TH	13.45
34.56	20TH	13.60
34.91	25TH	13.75
35.24	30TH	13.88
35.56	35TH	14.00
35.86	40TH	14.12
36.16	45TH	14.24
36.47	50TH	14.36
36.79	55TH	14.49
37.12	60TH	14.62
37.48	65TH	14.75
37.86	70TH	14.90
38.28	75TH	15.07
38.77	80TH	15.26
39.34	85TH	15.49
40.07	90TH	15.78
41.16	95TH	16.20
41.84	97TH	16.47
42.32	98TH	16.66
43.00	99TH	16.93

## (67) ILIOCRISTALE HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
98.88	MEAN VALUE	38.93
.10	SE(MEAN)	.04
4.82	STD DEVIATION	1.90
.07	SE(STD DEV)	.03
117.80	MAXIMUM	46.38
81.50	MINIMUM	32.09

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
107.34	MEAN VALUE	42.26
.12	SE(MEAN)	.05
5.14	STD DEVIATION	2.02
.09	SE(STD DEV)	.03
131.70	MAXIMUM	51.85
87.70	MINIMUM	34.53

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
87.95	1ST	34.63
89.24	2ND	35.13
90.05	3RD	35.45
91.13	5TH	35.88
92.79	10TH	36.53
93.90	15TH	36.97
94.79	20TH	37.32
95.56	25TH	37.62
96.26	30TH	37.90
96.90	35TH	38.15
97.52	40TH	38.39
98.12	45TH	38.63
98.73	50TH	38.87
99.33	55TH	39.11
99.95	60TH	39.35
100.60	65TH	39.61
101.29	70TH	39.88
102.04	75TH	40.17
102.90	80TH	40.51
103.90	85TH	40.90
105.18	90TH	41.41
107.12	95TH	42.17
108.39	97TH	42.67
109.33	98TH	43.04
110.82	99TH	43.63

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
95.66	1ST	37.66
97.07	2ND	38.22
97.94	3RD	38.56
99.10	5TH	39.02
100.86	10TH	39.71
102.05	15TH	40.18
102.99	20TH	40.55
103.81	25TH	40.87
104.56	30TH	41.16
105.25	35TH	41.44
105.91	40TH	41.70
106.56	45TH	41.95
107.21	50TH	42.21
107.86	55TH	42.46
108.52	60TH	42.73
109.22	65TH	43.00
109.95	70TH	43.29
110.75	75TH	43.60
111.65	80TH	43.96
112.69	85TH	44.36
114.00	90TH	44.88
115.89	95TH	45.63
117.07	97TH	46.09
117.91	98TH	46.42
119.15	99TH	46.91

(68) INTERPUPILLARY BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.23	MEAN VALUE	2.45
.01	SE(MEAN)	.00
.36	STD DEVIATION	.14
.01	SE(STD DEV)	.00
7.60	MAXIMUM	2.99
5.20	MINIMUM	2.05

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SYMMETRY---VETA I = .18  
KURTOSIS---VETA II = 2.97  
COEF. OF VARIATION = 5.8%  
NUMBER OF SUBJECTS = 2205

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.47	MEAN VALUE	2.55
.01	SE(MEAN)	.00
.37	STD DEVIATION	.15
.01	SE(STD DEV)	.00
7.80	MAXIMUM	3.07
5.20	MINIMUM	2.05

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SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 2.89  
COEF. OF VARIATION = 5.7%  
NUMBER OF SUBJECTS = 1771

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.45	1ST	2.14
5.53	2ND	2.18
5.58	3RD	2.20
5.66	5TH	2.23
5.77	10TH	2.27
5.86	15TH	2.31
5.92	20TH	2.33
5.98	25TH	2.35
6.03	30TH	2.37
6.08	35TH	2.39
6.13	40TH	2.41
6.17	45TH	2.43
6.22	50TH	2.45
6.26	55TH	2.47
6.31	60TH	2.48
6.36	65TH	2.50
6.41	70TH	2.52
6.47	75TH	2.55
6.53	80TH	2.57
6.61	85TH	2.60
6.70	90TH	2.64
6.85	95TH	2.70
6.94	97TH	2.73
7.01	98TH	2.76
7.11	99TH	2.80

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.68	1ST	2.24
5.76	2ND	2.27
5.81	3RD	2.29
5.88	5TH	2.31
6.00	10TH	2.36
6.08	15TH	2.39
6.15	20TH	2.42
6.21	25TH	2.44
6.26	30TH	2.46
6.31	35TH	2.48
6.36	40TH	2.50
6.41	45TH	2.52
6.45	50TH	2.54
6.50	55TH	2.56
6.55	60TH	2.58
6.60	65TH	2.60
6.65	70TH	2.62
6.71	75TH	2.64
6.78	80TH	2.67
6.86	85TH	2.70
6.96	90TH	2.74
7.10	95TH	2.80
7.20	97TH	2.83
7.27	98TH	2.86
7.38	99TH	2.91

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.20	MEAN VALUE	13.86
.06	SE(MEAN)	.02
2.65	STD DEVIATION	1.04
.04	SE(STD DEV)	.02
44.50	MAXIMUM	17.52
26.60	MINIMUM	10.47

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 2.96  
 COEF. OF VARIATION = 7.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
40.15	MEAN VALUE	15.81
.07	SE(MEAN)	.03
3.14	STD DEVIATION	1.24
.05	SE(STD DEV)	.02
54.10	MAXIMUM	21.30
28.50	MINIMUM	11.22

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 7.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.39	1ST	11.57
30.03	2ND	11.82
30.43	3RD	11.98
30.99	5TH	12.20
31.85	10TH	12.54
32.45	15TH	12.78
32.93	20TH	12.96
33.35	25TH	13.13
33.73	30TH	13.28
34.08	35TH	13.42
34.42	40TH	13.55
34.76	45TH	13.68
35.09	50TH	13.82
35.43	55TH	13.95
35.78	60TH	14.09
36.14	65TH	14.23
36.52	70TH	14.38
36.95	75TH	14.55
37.42	80TH	14.73
37.98	85TH	14.95
38.70	90TH	15.24
39.78	95TH	15.66
40.49	97TH	15.94
41.01	98TH	16.15
41.83	99TH	16.47

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
33.23	1ST	13.08
34.02	2ND	13.40
34.52	3RD	13.59
35.19	5TH	13.85
36.21	10TH	14.26
36.91	15TH	14.53
37.48	20TH	14.75
37.97	25TH	14.95
38.42	30TH	15.13
38.84	35TH	15.29
39.24	40TH	15.45
39.64	45TH	15.61
40.04	50TH	15.76
40.44	55TH	15.92
40.85	60TH	16.08
41.29	65TH	16.25
41.75	70TH	16.44
42.25	75TH	16.63
42.82	80TH	16.86
43.48	85TH	17.12
44.32	90TH	17.45
45.56	95TH	17.94
46.35	97TH	18.25
46.91	98TH	18.47
47.77	99TH	18.81

## (70) INTERSCYE II

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.62	MEAN VALUE	14.81
.05	SE(MEAN)	.02
2.41	STD DEVIATION	.95
.04	SE(STD DEV)	.01
47.00	MAXIMUM	18.50
28.40	MINIMUM	11.18

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SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 6.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
40.68	MEAN VALUE	16.02
.06	SE(MEAN)	.03
2.74	STD DEVIATION	1.08
.05	SE(STD DEV)	.02
50.50	MAXIMUM	19.88
31.30	MINIMUM	12.32

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.14	1ST	12.66
32.69	2ND	12.87
33.07	3RD	13.02
33.61	5TH	13.23
34.48	10TH	13.57
35.08	15TH	13.81
35.56	20TH	14.00
35.98	25TH	14.17
36.35	30TH	14.31
36.70	35TH	14.45
37.02	40TH	14.58
37.33	45TH	14.70
37.64	50TH	14.82
37.94	55TH	14.94
38.25	60TH	15.06
38.57	65TH	15.18
38.90	70TH	15.31
39.25	75TH	15.45
39.65	80TH	15.61
40.10	85TH	15.79
40.69	90TH	16.02
41.57	95TH	16.36
42.16	97TH	16.60
42.61	98TH	16.77
43.35	99TH	17.07

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.56	1ST	13.61
35.29	2ND	13.89
35.74	3RD	14.07
36.34	5TH	14.31
37.26	10TH	14.67
37.89	15TH	14.92
38.39	20TH	15.11
38.82	25TH	15.28
39.21	30TH	15.44
39.58	35TH	15.58
39.94	40TH	15.72
40.28	45TH	15.86
40.62	50TH	15.99
40.97	55TH	16.13
41.33	60TH	16.27
41.70	65TH	16.42
42.09	70TH	16.57
42.52	75TH	16.74
43.00	80TH	16.93
43.57	85TH	17.15
44.28	90TH	17.43
45.32	95TH	17.84
45.97	97TH	18.10
46.44	98TH	18.28
47.15	99TH	18.56

## (71) KN E CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.52	MEAN VALUE	14.38
.05	SE(MEAN)	.02
2.33	STD DEVIATION	.92
.04	SE(STD DEV)	.01
46.10	MAXIMUM	18.15
30.20	MINIMUM	11.89

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SYMMETRY---VETA I = .42  
 KURTOSIS---VETA II = 3.51  
 COEF. OF VARIATION = 6.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.64	MEAN VALUE	15.21
.05	SE(MEAN)	.02
2.21	STD DEVIATION	.87
.04	SE(STD DEV)	.01
46.40	MAXIMUM	18.27
31.70	MINIMUM	12.48

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.58	1ST	12.43
32.11	2ND	12.64
32.46	3RD	12.78
32.93	5TH	12.97
33.67	10TH	13.26
34.18	15TH	13.46
34.58	20TH	13.62
34.93	25TH	13.75
35.25	30TH	13.88
35.54	35TH	13.99
35.83	40TH	14.11
36.10	45TH	14.21
36.38	50TH	14.32
36.66	55TH	14.43
36.95	60TH	14.55
37.25	65TH	14.67
37.58	70TH	14.79
37.94	75TH	14.94
38.36	80TH	15.10
38.86	85TH	15.30
39.53	90TH	15.56
40.60	95TH	15.99
41.37	97TH	16.29
41.97	98TH	16.52
42.99	99TH	16.93

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
33.70	1ST	13.27
34.23	2ND	13.48
34.57	3RD	13.61
35.05	5TH	13.80
35.82	10TH	14.10
36.34	15TH	14.31
36.76	20TH	14.47
37.12	25TH	14.61
37.45	30TH	14.74
37.75	35TH	14.86
38.04	40TH	14.98
38.32	45TH	15.09
38.59	50TH	15.19
38.87	55TH	15.30
39.15	60TH	15.41
39.45	65TH	15.53
39.75	70TH	15.65
40.09	75TH	15.78
40.47	80TH	15.93
40.92	85TH	16.11
41.49	90TH	16.33
42.36	95TH	16.68
42.95	97TH	16.91
43.39	98TH	17.08
44.13	99TH	17.37

## (72) KNEE HEIGHT, MIDPATELLA

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
45.87	MEAN VALUE	18.06
.06	SE(MEAN)	.02
2.61	STD DEVIATION	1.03
.04	SE(STD DEV)	.02
58.40	MAXIMUM	22.99
35.80	MINIMUM	14.09

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.18  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
50.48	MEAN VALUE	19.88
.07	SE(MEAN)	.03
2.76	STD DEVIATION	1.09
.05	SE(STD DEV)	.02
62.00	MAXIMUM	24.41
40.60	MINIMUM	15.98

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
39.94	1ST	15.73
40.64	2ND	16.00
41.07	3RD	16.17
41.67	5TH	16.40
42.58	10TH	16.76
43.19	15TH	17.00
43.68	20TH	17.20
44.10	25TH	17.36
44.48	30TH	17.51
44.83	35TH	17.65
45.16	40TH	17.78
45.48	45TH	17.91
45.81	50TH	18.03
46.13	55TH	18.16
46.46	60TH	18.29
46.81	65TH	18.43
47.17	70TH	18.57
47.57	75TH	18.73
48.02	80TH	18.91
48.55	85TH	19.11
49.23	90TH	19.38
50.25	95TH	19.78
50.94	97TH	20.05
51.45	98TH	20.26
52.27	99TH	20.58

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
44.30	1ST	17.44
45.05	2ND	17.74
45.50	3RD	17.91
46.10	5TH	18.15
47.01	10TH	18.51
47.63	15TH	18.75
48.13	20TH	18.95
48.56	25TH	19.12
48.96	30TH	19.27
49.33	35TH	19.42
49.69	40TH	19.56
50.04	45TH	19.70
50.39	50TH	19.84
50.75	55TH	19.98
51.11	60TH	20.12
51.49	65TH	20.27
51.90	70TH	20.43
52.34	75TH	20.61
52.84	80TH	20.80
53.41	85TH	21.03
54.13	90TH	21.31
55.16	95TH	21.72
55.78	97TH	21.96
56.21	98TH	22.13
56.81	99TH	22.37



## (73) KNEE HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
51.54	MEAN VALUE	20.29
.06	SE(MEAN)	.02
2.63	STD DEVIATION	1.04
.04	SE(STD DEV)	.02
63.30	MAXIMUM	24.92
40.60	MINIMUM	15.98

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.29  
 COEF. OF VARIATION = 5.18  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
55.88	MEAN VALUE	22.00
.07	SE(MEAN)	.03
2.79	STD DEVIATION	1.10
.05	SE(STD DEV)	.02
67.50	MAXIMUM	26.57
45.40	MINIMUM	17.87

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 5.08  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
45.47	1ST	17.90
46.30	2ND	18.23
46.78	3RD	18.42
47.40	5TH	18.66
48.30	10TH	19.02
48.89	15TH	19.25
49.35	20TH	19.43
49.76	25TH	19.59
50.12	30TH	19.73
50.46	35TH	19.87
50.79	40TH	20.00
51.11	45TH	20.12
51.43	50TH	20.25
51.76	55TH	20.38
52.10	60TH	20.51
52.46	65TH	20.65
52.84	70TH	20.80
53.26	75TH	20.97
53.73	80TH	21.15
54.28	85TH	21.37
54.99	90TH	21.65
56.02	95TH	22.05
56.66	97TH	22.31
57.12	98TH	22.49
57.78	99TH	22.75

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
49.66	1ST	19.55
50.38	2ND	19.84
50.83	3RD	20.01
51.44	5TH	20.25
52.36	10TH	20.62
53.00	15TH	20.86
53.50	20TH	21.06
53.95	25TH	21.24
54.35	30TH	21.40
54.73	35TH	21.55
55.09	40TH	21.69
55.44	45TH	21.83
55.80	50TH	21.97
56.16	55TH	22.11
56.52	60TH	22.25
56.90	65TH	22.40
57.31	70TH	22.56
57.75	75TH	22.74
58.24	80TH	22.93
58.82	85TH	23.16
59.54	90TH	23.44
60.57	95TH	23.85
61.22	97TH	24.10
61.67	98TH	24.28
62.34	99TH	24.54

## (74) LATERAL FEMORAL EPICONDYLE HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
46.11	MEAN VALUE	18.15
.05	SE(MEAN)	.02
2.47	STD DEVIATION	.97
.04	SE(STD DEV)	.01
57.10	MAXIMUM	22.48
35.90	MINIMUM	14.13

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.18  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
50.15	MEAN VALUE	19.75
.06	SE(MEAN)	.02
2.63	STD DEVIATION	1.03
.04	SE(STD DEV)	.02
62.60	MAXIMUM	24.65
39.80	MINIMUM	15.67

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.33  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
40.59	1ST	15.98
41.23	2ND	16.23
41.63	3RD	16.39
42.18	5TH	16.60
43.01	10TH	16.93
43.58	15TH	17.16
44.03	20TH	17.33
44.42	25TH	17.49
44.78	30TH	17.63
45.11	35TH	17.76
45.42	40TH	17.88
45.73	45TH	18.00
46.04	50TH	18.13
46.35	55TH	18.25
46.66	60TH	18.37
46.99	65TH	18.50
47.35	70TH	18.64
47.73	75TH	18.79
48.16	80TH	18.96
48.67	85TH	19.16
49.32	90TH	19.42
50.30	95TH	19.80
50.94	97TH	20.06
51.42	98TH	20.24
52.16	99TH	20.54

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
44.31	1ST	17.45
45.01	2ND	17.72
45.44	3RD	17.89
46.01	5TH	18.12
46.88	10TH	18.46
47.47	15TH	18.69
47.95	20TH	18.88
48.36	25TH	19.04
48.73	30TH	19.19
49.08	35TH	19.32
49.42	40TH	19.46
49.74	45TH	19.58
50.07	50TH	19.71
50.41	55TH	19.84
50.74	60TH	19.98
51.10	65TH	20.12
51.48	70TH	20.27
51.89	75TH	20.43
52.35	80TH	20.61
52.89	85TH	20.82
53.57	90TH	21.09
54.57	95TH	21.48
55.20	97TH	21.73
55.64	98TH	21.91
56.31	99TH	22.17

## (75) LATERAL MALLEOLUS HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.06	MEAN VALUE	2.39
.01	SE(MEAN)	.00
.53	STD DEVIATION	.21
.01	SE(STD DEV)	.00
8.30	MAXIMUM	3.27
4.20	MINIMUM	1.65

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SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.71	MEAN VALUE	2.64
.01	SE(MEAN)	.01
.55	STD DEVIATION	.22
.01	SE(STD DEV)	.00
9.30	MAXIMUM	3.66
5.20	MINIMUM	2.05

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SYMMETRY---VETA I = .25  
 KURTOSIS---VETA II = 3.38  
 COEF. OF VARIATION = 8.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
4.96	1ST	1.95
5.06	2ND	1.99
5.13	3RD	2.02
5.23	5TH	2.06
5.39	10TH	2.12
5.51	15TH	2.17
5.61	20TH	2.21
5.69	25TH	2.24
5.77	30TH	2.27
5.84	35TH	2.30
5.91	40TH	2.33
5.97	45TH	2.35
6.04	50TH	2.38
6.11	55TH	2.40
6.18	60TH	2.43
6.25	65TH	2.46
6.33	70TH	2.49
6.41	75TH	2.52
6.50	80TH	2.56
6.61	85TH	2.60
6.76	90TH	2.66
6.97	95TH	2.74
7.11	97TH	2.80
7.22	98TH	2.84
7.39	99TH	2.91

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.48	1ST	2.16
5.62	2ND	2.21
5.71	3RD	2.25
5.84	5TH	2.30
6.02	10TH	2.37
6.15	15TH	2.42
6.25	20TH	2.46
6.34	25TH	2.50
6.42	30TH	2.53
6.49	35TH	2.55
6.56	40TH	2.58
6.62	45TH	2.61
6.69	50TH	2.63
6.76	55TH	2.66
6.82	60TH	2.69
6.90	65TH	2.71
6.97	70TH	2.74
7.05	75TH	2.78
7.15	80TH	2.81
7.26	85TH	2.86
7.41	90TH	2.92
7.64	95TH	3.01
7.79	97TH	3.07
7.91	98TH	3.12
8.11	99TH	3.19

## (76) LOWER THIGH CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.75	MEAN VALUE	14.86
.06	SE(MEAN)	.02
2.76	STD DEVIATION	1.09
.04	SE(STD DEV)	.02
49.20	MAXIMUM	19.37
30.30	MINIMUM	11.93

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SYMMETRY---VETA I = .36  
 KURTOSIS---VETA II = 3.40  
 COEF. OF VARIATION = 7.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
39.18	MEAN VALUE	15.43
.06	SE(MEAN)	.03
2.71	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
49.00	MAXIMUM	19.29
30.10	MINIMUM	11.85

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 6.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.93	1ST	12.57
32.52	2ND	12.80
32.91	3RD	12.96
33.46	5TH	13.17
34.34	10TH	13.52
34.95	15TH	13.76
35.44	20TH	13.95
35.87	25TH	14.12
36.25	30TH	14.27
36.61	35TH	14.41
36.96	40TH	14.55
37.29	45TH	14.68
37.63	50TH	14.81
37.96	55TH	14.95
38.31	60TH	15.08
38.67	65TH	15.22
39.05	70TH	15.38
39.48	75TH	15.54
39.97	80TH	15.73
40.55	85TH	15.96
41.31	90TH	16.26
42.52	95TH	16.74
43.37	97TH	17.07
44.03	98TH	17.33
45.14	99TH	17.77

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
33.09	1ST	13.03
33.75	2ND	13.29
34.19	3RD	13.46
34.78	5TH	13.69
35.73	10TH	14.07
36.38	15TH	14.32
36.89	20TH	14.53
37.34	25TH	14.70
37.75	30TH	14.86
38.12	35TH	15.01
38.47	40TH	15.15
38.82	45TH	15.28
39.16	50TH	15.42
39.50	55TH	15.55
39.84	60TH	15.69
40.20	65TH	15.83
40.58	70TH	15.98
40.99	75TH	16.14
41.45	80TH	16.32
41.98	85TH	16.53
42.67	90TH	16.80
43.69	95TH	17.20
44.38	97TH	17.47
44.88	98TH	17.67
45.70	99TH	17.99

## (77) MENTON-SELLION LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.35	MEAN VALUE	4.47
.01	SE(MEAN)	.00
.60	STD DEVIATION	.23
.01	SE(STD DEV)	.00
13.40	MAXIMUM	5.28
9.50	MINIMUM	3.74

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 2.98  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.19	MEAN VALUE	4.80
.02	SE(MEAN)	.01
.65	STD DEVIATION	.26
.01	SE(STD DEV)	.00
14.80	MAXIMUM	5.83
10.10	MINIMUM	3.98

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.06	1ST	3.96
10.18	2ND	4.01
10.27	3RD	4.04
10.39	5TH	4.09
10.59	10TH	4.17
10.73	15TH	4.22
10.84	20TH	4.27
10.93	25TH	4.30
11.02	30TH	4.34
11.10	35TH	4.37
11.18	40TH	4.40
11.25	45TH	4.43
11.33	50TH	4.46
11.40	55TH	4.49
11.48	60TH	4.52
11.56	65TH	4.55
11.64	70TH	4.58
11.73	75TH	4.62
11.84	80TH	4.66
11.96	85TH	4.71
12.12	90TH	4.77
12.36	95TH	4.87
12.53	97TH	4.93
12.65	98TH	4.98
12.86	99TH	5.06

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.77	1ST	4.24
10.93	2ND	4.30
11.03	3RD	4.34
11.16	5TH	4.39
11.37	10TH	4.48
11.52	15TH	4.54
11.64	20TH	4.58
11.74	25TH	4.62
11.83	30TH	4.66
11.92	35TH	4.69
12.01	40TH	4.73
12.09	45TH	4.76
12.17	50TH	4.79
12.25	55TH	4.82
12.34	60TH	4.86
12.43	65TH	4.89
12.52	70TH	4.93
12.62	75TH	4.97
12.74	80TH	5.01
12.87	85TH	5.07
13.04	90TH	5.13
13.29	95TH	5.23
13.45	97TH	5.30
13.57	98TH	5.34
13.74	99TH	5.41

(78) MIDSHOULDER HEIGHT, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
58.40	MEAN VALUE	22.99
.06	SE(MEAN)	.02
2.77	STD DEVIATION	1.09
.04	SE(STD DEV)	.02
69.40	MAXIMUM	27.32
48.80	MINIMUM	19.21

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SYMMETRY---VETA I = .08  
KURTOSIS---VETA II = 2.85  
COEF. OF VARIATION = 4.78  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
63.03	MEAN VALUE	24.81
.07	SE(MEAN)	.03
2.82	STD DEVIATION	1.11
.05	SE(STD DEV)	.02
73.00	MAXIMUM	28.74
53.80	MINIMUM	21.18

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SYMMETRY---VETA I = -.06  
KURTOSIS---VETA II = 2.93  
COEF. OF VARIATION = 4.58  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
52.31	1ST	20.60
52.94	2ND	20.84
53.35	3RD	21.00
53.92	5TH	21.23
54.84	10TH	21.59
55.48	15TH	21.84
56.00	20TH	22.05
56.46	25TH	22.23
56.88	30TH	22.39
57.26	35TH	22.54
57.64	40TH	22.69
58.00	45TH	22.83
58.36	50TH	22.98
58.72	55TH	23.12
59.09	60TH	23.26
59.47	65TH	23.41
59.87	70TH	23.57
60.31	75TH	23.74
60.80	80TH	23.94
61.35	85TH	24.15
62.05	90TH	24.43
63.05	95TH	24.82
63.66	97TH	25.06
64.10	98TH	25.24
64.74	99TH	25.49

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
56.28	1ST	22.16
57.12	2ND	22.49
57.64	3RD	22.69
58.34	5TH	22.97
59.39	10TH	23.38
60.09	15TH	23.66
60.65	20TH	23.88
61.12	25TH	24.06
61.55	30TH	24.23
61.95	35TH	24.39
62.32	40TH	24.54
62.68	45TH	24.68
63.04	50TH	24.82
63.40	55TH	24.96
63.77	60TH	25.10
64.14	65TH	25.25
64.54	70TH	25.41
64.97	75TH	25.58
65.44	80TH	25.76
65.99	85TH	25.98
66.67	90TH	26.25
67.66	95TH	26.64
68.27	97TH	26.88
68.71	98TH	27.05
69.36	99TH	27.31

## (79) NECK-BUSTPOINT/THELION LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
26.80	MEAN VALUE	10.55
.05	SE(MEAN)	.02
2.23	STD DEVIATION	.88
.03	SE(STD DEV)	.01
35.40	MAXIMUM	13.94
20.20	MINIMUM	7.95

---

SYMMETRY---VETA I = .31  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 8.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.24	MEAN VALUE	10.73
.04	SE(MEAN)	.02
1.81	STD DEVIATION	.71
.03	SE(STD DEV)	.01
34.20	MAXIMUM	13.46
22.20	MINIMUM	8.74

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SYMMETRY---VETA I = .33  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.02	1ST	8.67
22.55	2ND	8.88
22.88	3RD	9.01
23.34	5TH	9.19
24.04	10TH	9.47
24.53	15TH	9.66
24.91	20TH	9.81
25.25	25TH	9.94
25.56	30TH	10.06
25.85	35TH	10.18
26.13	40TH	10.29
26.40	45TH	10.39
26.67	50TH	10.50
26.95	55TH	10.61
27.23	60TH	10.72
27.53	65TH	10.84
27.85	70TH	10.96
28.20	75TH	11.10
28.60	80TH	11.26
29.08	85TH	11.45
29.70	90TH	11.69
30.65	95TH	12.07
31.30	97TH	12.32
31.78	98TH	12.51
32.57	99TH	12.82

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.27	1ST	9.16
23.73	2ND	9.34
24.02	3RD	9.46
24.40	5TH	9.61
25.00	10TH	9.84
25.40	15TH	10.00
25.72	20TH	10.12
25.99	25TH	10.23
26.24	30TH	10.33
26.48	35TH	10.42
26.70	40TH	10.51
26.92	45TH	10.60
27.14	50TH	10.68
27.36	55TH	10.77
27.59	60TH	10.86
27.83	65TH	10.96
28.09	70TH	11.06
28.37	75TH	11.17
28.70	80TH	11.30
29.08	85TH	11.45
29.59	90TH	11.65
30.38	95TH	11.96
30.92	97TH	12.17
31.33	98TH	12.34
32.00	99TH	12.60

## (80) NECK CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.57	MEAN VALUE	12.43
.03	SE(MEAN)	.01
1.53	STD DEVIATION	.60
.02	SE(STD DEV)	.01
37.20	MAXIMUM	14.65
27.20	MINIMUM	10.71

---

SYMMETRY---VETA I = .36  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.96	MEAN VALUE	14.94
.05	SE(MEAN)	.02
1.97	STD DEVIATION	.77
.03	SE(STD DEV)	.01
47.00	MAXIMUM	18.50
31.60	MINIMUM	12.44

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SYMMETRY---VETA I = .32  
 KURTOSIS---VETA II = 3.50  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
28.43	1ST	11.19
28.73	2ND	11.31
28.93	3RD	11.39
29.22	5TH	11.50
29.68	10TH	11.68
30.00	15TH	11.81
30.27	20TH	11.92
30.50	25TH	12.01
30.71	30TH	12.09
30.91	35TH	12.17
31.10	40TH	12.24
31.29	45TH	12.32
31.48	50TH	12.39
31.67	55TH	12.47
31.87	60TH	12.55
32.07	65TH	12.63
32.30	70TH	12.71
32.54	75TH	12.81
32.82	80TH	12.92
33.15	85TH	13.05
33.58	90TH	13.22
34.25	95TH	13.48
34.70	97TH	13.66
35.04	98TH	13.80
35.60	99TH	14.02

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
33.66	1ST	13.25
34.17	2ND	13.45
34.48	3RD	13.57
34.90	5TH	13.74
35.53	10TH	13.99
35.96	15TH	14.16
36.31	20TH	14.29
36.61	25TH	14.41
36.88	30TH	14.52
37.14	35TH	14.62
37.38	40TH	14.72
37.63	45TH	14.81
37.87	50TH	14.91
38.12	55TH	15.01
38.37	60TH	15.11
38.63	65TH	15.21
38.92	70TH	15.32
39.23	75TH	15.44
39.58	80TH	15.58
40.00	85TH	15.75
40.53	90TH	15.96
41.34	95TH	16.28
41.87	97TH	16.48
42.25	98TH	16.64
42.86	99TH	16.87



(81) NECK CIRCUMFERENCE, BASE

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
34.62	MEAN VALUE	13.63
.03	SE(MEAN)	.01
1.63	STD DEVIATION	.64
.02	SE(STD DEV)	.01
40.90	MAXIMUM	16.10
29.80	MINIMUM	11.73

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SYMMETRY---VETA I = .21  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 4.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
40.84	MEAN VALUE	16.08
.05	SE(MEAN)	.02
2.05	STD DEVIATION	.81
.03	SE(STD DEV)	.01
50.50	MAXIMUM	19.88
34.90	MINIMUM	13.74

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SYMMETRY---VETA I = .29  
KURTOSIS---VETA II = 3.48  
COEF. OF VARIATION = 5.0%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.18	1ST	12.28
31.50	2ND	12.40
31.72	3RD	12.49
32.03	5TH	12.61
32.55	10TH	12.81
32.91	15TH	12.96
33.21	20TH	13.07
33.47	25TH	13.18
33.71	30TH	13.27
33.93	35TH	13.36
34.15	40TH	13.44
34.35	45TH	13.53
34.56	50TH	13.61
34.77	55TH	13.69
34.98	60TH	13.77
35.21	65TH	13.86
35.44	70TH	13.95
35.70	75TH	14.05
35.99	80TH	14.17
36.33	85TH	14.30
36.76	90TH	14.47
37.42	95TH	14.73
37.85	97TH	14.90
38.18	98TH	15.03
38.71	99TH	15.24

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
36.32	1ST	14.30
36.83	2ND	14.50
37.15	3RD	14.63
37.59	5TH	14.80
38.28	10TH	15.07
38.75	15TH	15.26
39.12	20TH	15.40
39.45	25TH	15.53
39.74	30TH	15.64
40.01	35TH	15.75
40.27	40TH	15.85
40.52	45TH	15.95
40.77	50TH	16.05
41.02	55TH	16.15
41.28	60TH	16.25
41.55	65TH	16.36
41.84	70TH	16.47
42.16	75TH	16.60
42.52	80TH	16.74
42.94	85TH	16.90
43.49	90TH	17.12
44.33	95TH	17.45
44.91	97TH	17.68
45.34	98TH	17.85
46.05	99TH	18.13

(82) NECK HEIGHT, LATERAL

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
139.55	MEAN VALUE	54.98
.12	SE(MEAN)	.05
5.84	STD DEVIATION	2.30
.09	SE(STD DEV)	.03
161.30	MAXIMUM	63.50
120.60	MINIMUM	47.48

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SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 4.2%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
150.95	MEAN VALUE	59.43
.15	SE(MEAN)	.06
6.16	STD DEVIATION	2.42
.10	SE(STD DEV)	.04
177.10	MAXIMUM	69.72
125.40	MINIMUM	49.37

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SYMMETRY---VETA I = .06  
KURTOSIS---VETA II = 3.20  
COEF. OF VARIATION = 4.1%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
126.30	1ST	49.72
127.97	2ND	50.38
128.98	3RD	50.78
130.32	5TH	51.31
132.32	10TH	52.10
133.66	15TH	52.62
134.73	20TH	53.04
135.65	25TH	53.41
136.49	30TH	53.73
137.27	35TH	54.04
138.01	40TH	54.34
138.74	45TH	54.62
139.48	50TH	54.91
140.22	55TH	55.20
140.97	60TH	55.50
141.76	65TH	55.81
142.60	70TH	56.14
143.52	75TH	56.50
144.56	80TH	56.91
145.76	85TH	57.39
147.29	90TH	57.99
149.54	95TH	58.87
150.96	97TH	59.43
151.97	98TH	59.83
153.49	99TH	60.43

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
136.42	1ST	53.71
138.30	2ND	54.45
139.44	3RD	54.90
140.93	5TH	55.48
143.15	10TH	56.36
144.62	15TH	56.94
145.77	20TH	57.39
146.78	25TH	57.79
147.68	30TH	58.14
148.51	35TH	58.47
149.31	40TH	58.78
150.09	45TH	59.09
150.86	50TH	59.39
151.64	55TH	59.70
152.43	60TH	60.01
153.26	65TH	60.34
154.13	70TH	60.68
155.08	75TH	61.06
156.15	80TH	61.48
157.38	85TH	61.96
158.93	90TH	62.57
161.16	95TH	63.45
162.55	97TH	63.99
163.52	98TH	64.38
164.94	99TH	64.94

## (83) OVERHEAD FINGERTIP REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
206.15	MEAN VALUE	81.16
.20	SE(MEAN)	.08
9.24	STD DEVIATION	3.64
.14	SE(STD DEV)	.05
239.30	MAXIMUM	94.21
172.10	MINIMUM	67.76

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
223.14	MEAN VALUE	87.85
.23	SE(MEAN)	.09
9.75	STD DEVIATION	3.84
.16	SE(STD DEV)	.06
267.60	MAXIMUM	105.35
179.90	MINIMUM	70.83

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.30  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
184.98	1ST	72.83
187.68	2ND	73.89
189.31	3RD	74.53
191.45	5TH	75.37
194.64	10TH	76.63
196.76	15TH	77.47
198.44	20TH	78.13
199.91	25TH	78.70
201.22	30TH	79.22
202.45	35TH	79.71
203.63	40TH	80.17
204.79	45TH	80.62
205.94	50TH	81.08
207.10	55TH	81.54
208.29	60TH	82.01
209.54	65TH	82.50
210.86	70TH	83.02
212.31	75TH	83.59
213.94	80TH	84.23
215.83	85TH	84.97
218.23	90TH	85.92
221.73	95TH	87.30
223.93	97TH	88.16
225.50	98TH	88.78
227.82	99TH	89.69

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
200.56	1ST	78.96
203.35	2ND	80.06
205.06	3RD	80.73
207.33	5TH	81.63
210.77	10TH	82.98
213.07	15TH	83.89
214.90	20TH	84.61
216.49	25TH	85.23
217.92	30TH	85.80
219.26	35TH	86.32
220.54	40TH	86.83
221.78	45TH	87.32
223.02	50TH	87.80
224.27	55TH	88.30
225.54	60TH	88.80
226.87	65TH	89.32
228.26	70TH	89.87
229.78	75TH	90.46
231.47	80TH	91.13
233.42	85TH	91.90
235.85	90TH	92.85
239.32	95TH	94.22
241.43	97TH	95.05
242.90	98TH	95.63
245.00	99TH	96.46

(84) OVERHEAD FINGERTIP REACH, EXTENDED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
215.34	MEAN VALUE	84.78
.20	SE(MEAN)	.08
9.50	STD DEVIATION	3.74
.14	SE(STD DEV)	.06
248.80	MAXIMUM	97.95
182.00	MINIMUM	71.65

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SYMMETRY---VETA I = .06  
KURTOSIS---VETA II = 3.01  
COEF. OF VARIATION = 4.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
232.80	MEAN VALUE	91.65
.24	SE(MEAN)	.09
9.99	STD DEVIATION	3.94
.17	SE(STD DEV)	.07
281.10	MAXIMUM	110.67
191.70	MINIMUM	75.47

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SYMMETRY---VETA I = .09  
KURTOSIS---VETA II = 3.25  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
193.57	1ST	76.21
196.30	2ND	77.28
197.97	3RD	77.94
200.16	5TH	78.80
203.45	10TH	80.10
205.65	15TH	80.96
207.39	20TH	81.65
208.90	25TH	82.25
210.27	30TH	82.78
211.54	35TH	83.28
212.76	40TH	83.76
213.95	45TH	84.23
215.14	50TH	84.70
216.34	55TH	85.17
217.56	60TH	85.65
218.84	65TH	86.16
220.20	70TH	86.69
221.68	75TH	87.28
223.35	80TH	87.93
225.28	85TH	88.69
227.72	90TH	89.66
231.28	95TH	91.06
233.52	97TH	91.94
235.10	98TH	92.56
237.45	99TH	93.48

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
209.93	1ST	82.65
212.68	2ND	83.73
214.39	3RD	84.40
216.68	5TH	85.31
220.16	10TH	86.68
222.52	15TH	87.60
224.38	20TH	88.34
226.01	25TH	88.98
227.47	30TH	89.56
228.83	35TH	90.09
230.14	40TH	90.60
231.40	45TH	91.10
232.66	50TH	91.60
233.93	55TH	92.10
235.22	60TH	92.61
236.56	65TH	93.14
237.98	70TH	93.69
239.53	75TH	94.30
241.26	80TH	94.98
243.26	85TH	95.77
245.77	90TH	96.76
249.44	95TH	98.20
251.74	97TH	99.11
253.38	98TH	99.75
255.84	99TH	100.72

## (85) OVERHEAD FINGERTIP REACH, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
132.65	MEAN VALUE	52.22
.12	SE (MEAN)	.05
5.59	STD DEVIATION	2.20
.08	SE (STD DEV)	.03
151.40	MAXIMUM	59.61
112.90	MINIMUM	44.45

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SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 2.93  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
143.38	MEAN VALUE	56.45
.14	SE (MEAN)	.06
5.90	STD DEVIATION	2.32
.10	SE (STD DEV)	.04
169.30	MAXIMUM	66.65
116.40	MINIMUM	45.83

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SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
119.72	1ST	47.13
121.12	2ND	47.69
122.05	3RD	48.05
123.33	5TH	48.55
125.35	10TH	49.35
126.75	15TH	49.90
127.85	20TH	50.34
128.81	25TH	50.71
129.68	30TH	51.05
130.47	35TH	51.37
131.22	40TH	51.66
131.95	45TH	51.95
132.67	50TH	52.23
133.39	55TH	52.51
134.11	60TH	52.80
134.85	65TH	53.09
135.63	70TH	53.40
136.47	75TH	53.73
137.40	80TH	54.09
138.47	85TH	54.52
139.81	90TH	55.04
141.77	95TH	55.81
143.03	97TH	56.31
143.94	98TH	56.67
145.38	99TH	57.24

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
129.31	1ST	50.91
131.19	2ND	51.65
132.32	3RD	52.09
133.78	5TH	52.67
135.93	10TH	53.52
137.35	15TH	54.07
138.46	20TH	54.51
139.42	25TH	54.89
140.28	30TH	55.23
141.07	35TH	55.54
141.84	40TH	55.84
142.58	45TH	56.13
143.32	50TH	56.42
144.06	55TH	56.72
144.82	60TH	57.02
145.61	65TH	57.33
146.45	70TH	57.66
147.36	75TH	58.01
148.38	80TH	58.42
149.56	85TH	58.88
151.04	90TH	59.46
153.17	95TH	60.30
154.48	97TH	60.82
155.39	98TH	61.18
156.72	99TH	61.70

## (86) POPLITEAL HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.94	MEAN VALUE	15.33
.05	SE(MEAN)	.02
2.37	STD DEVIATION	.93
.04	SE(STD DEV)	.01
50.00	MAXIMUM	19.69
29.90	MINIMUM	11.77

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 6.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
43.41	MEAN VALUE	17.09
.06	SE(MEAN)	.02
2.49	STD DEVIATION	.98
.04	SE(STD DEV)	.02
54.70	MAXIMUM	21.54
33.80	MINIMUM	13.31

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
33.67	1ST	13.25
34.24	2ND	13.48
34.61	3RD	13.63
35.13	5TH	13.83
35.93	10TH	14.14
36.48	15TH	14.36
36.92	20TH	14.53
37.30	25TH	14.69
37.65	30TH	14.82
37.98	35TH	14.95
38.29	40TH	15.07
38.59	45TH	15.19
38.89	50TH	15.31
39.19	55TH	15.43
39.50	60TH	15.55
39.82	65TH	15.68
40.16	70TH	15.81
40.53	75TH	15.96
40.94	80TH	16.12
41.42	85TH	16.31
42.04	90TH	16.55
42.94	95TH	16.91
43.53	97TH	17.14
43.96	98TH	17.31
44.63	99TH	17.57

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
37.83	1ST	14.89
38.49	2ND	15.15
38.90	3RD	15.32
39.46	5TH	15.53
40.30	10TH	15.86
40.86	15TH	16.09
41.31	20TH	16.26
41.70	25TH	16.42
42.06	30TH	16.56
42.39	35TH	16.69
42.70	40TH	16.81
43.01	45TH	16.93
43.32	50TH	17.06
43.63	55TH	17.18
43.95	60TH	17.30
44.28	65TH	17.43
44.64	70TH	17.57
45.03	75TH	17.73
45.47	80TH	17.90
45.98	85TH	18.10
46.64	90TH	18.36
47.63	95TH	18.75
48.28	97TH	19.01
48.75	98TH	19.19
49.49	99TH	19.48

## (87) RADIALE-STYLION LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.34	MEAN VALUE	9.58
.03	SE(MEAN)	.01
1.55	STD DEVIATION	.61
.02	SE(STD DEV)	.01
31.20	MAXIMUM	12.28
15.70	MINIMUM	6.18

---

SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.48  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
26.99	MEAN VALUE	10.62
.04	SE(MEAN)	.01
1.57	STD DEVIATION	.62
.03	SE(STD DEV)	.01
32.50	MAXIMUM	12.80
21.20	MINIMUM	8.35

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 5.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
20.97	1ST	8.26
21.32	2ND	8.39
21.55	3RD	8.49
21.87	5TH	8.61
22.39	10TH	8.81
22.74	15TH	8.95
23.03	20TH	9.07
23.28	25TH	9.16
23.50	30TH	9.25
23.71	35TH	9.33
23.91	40TH	9.41
24.10	45TH	9.49
24.30	50TH	9.57
24.49	55TH	9.64
24.69	60TH	9.72
24.89	65TH	9.80
25.11	70TH	9.89
25.35	75TH	9.98
25.62	80TH	10.09
25.93	85TH	10.21
26.33	90TH	10.37
26.94	95TH	10.61
27.35	97TH	10.77
27.65	98TH	10.89
28.14	99TH	11.08

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.67	1ST	9.32
24.01	2ND	9.45
24.23	3RD	9.54
24.54	5TH	9.66
25.03	10TH	9.85
25.37	15TH	9.99
25.65	20TH	10.10
25.89	25TH	10.19
26.11	30TH	10.28
26.32	35TH	10.36
26.52	40TH	10.44
26.72	45TH	10.52
26.92	50TH	10.60
27.12	55TH	10.68
27.32	60TH	10.76
27.53	65TH	10.84
27.76	70TH	10.93
28.01	75TH	11.03
28.29	80TH	11.14
28.62	85TH	11.27
29.05	90TH	11.44
29.69	95TH	11.69
30.11	97TH	11.85
30.42	98TH	11.98
30.92	99TH	12.17

## (88) SCYE CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.13	MEAN VALUE	14.62
.05	SE(MEAN)	.02
2.30	STD DEVIATION	.91
.03	SE(STD DEV)	.01
45.60	MAXIMUM	17.95
29.80	MINIMUM	11.73

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SYMMETRY---VETA I = .39  
 KURTOSIS---VETA II = 3.30  
 COEF. OF VARIATION = 6.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
44.55	MEAN VALUE	17.54
.06	SE(MEAN)	.03
2.71	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
55.30	MAXIMUM	21.77
35.80	MINIMUM	14.09

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SYMMETRY---VETA I = .24  
 KURTOSIS---VETA II = 3.41  
 COEF. OF VARIATION = 6.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.40	1ST	12.76
32.87	2ND	12.94
33.18	3RD	13.06
33.62	5TH	13.24
34.32	10TH	13.51
34.80	15TH	13.70
35.20	20TH	13.86
35.55	25TH	13.99
35.86	30TH	14.12
36.16	35TH	14.23
36.44	40TH	14.35
36.72	45TH	14.46
37.00	50TH	14.57
37.28	55TH	14.68
37.58	60TH	14.79
37.88	65TH	14.92
38.21	70TH	15.05
38.58	75TH	15.19
39.00	80TH	15.35
39.50	85TH	15.55
40.16	90TH	15.81
41.19	95TH	16.22
41.91	97TH	16.50
42.46	98TH	16.72
43.38	99TH	17.08

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
38.42	1ST	15.13
39.18	2ND	15.43
39.65	3RD	15.61
40.27	5TH	15.85
41.20	10TH	16.22
41.82	15TH	16.47
42.31	20TH	16.66
42.73	25TH	16.82
43.11	30TH	16.97
43.46	35TH	17.11
43.80	40TH	17.24
44.13	45TH	17.37
44.46	50TH	17.50
44.79	55TH	17.63
45.12	60TH	17.77
45.48	65TH	17.90
45.85	70TH	18.05
46.27	75TH	18.22
46.74	80TH	18.40
47.30	85TH	18.62
48.02	90TH	18.91
49.13	95TH	19.34
49.88	97TH	19.64
50.45	98TH	19.86
51.36	99TH	20.22



## (89) SCYE DEPTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.57	MEAN VALUE	7.31
.03	SE(MEAN)	.01
1.44	STD DEVIATION	.57
.02	SE(STD DEV)	.01
23.50	MAXIMUM	9.25
14.20	MINIMUM	5.59

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 2.93  
 COEF. OF VARIATION = 7.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.27	MEAN VALUE	8.38
.04	SE(MEAN)	.01
1.55	STD DEVIATION	.61
.03	SE(STD DEV)	.01
28.40	MAXIMUM	11.18
16.60	MINIMUM	6.54

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.46  
 COEF. OF VARIATION = 7.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.31	1ST	6.03
15.70	2ND	6.18
15.95	3RD	6.28
16.27	5TH	6.41
16.77	10TH	6.60
17.10	15TH	6.73
17.36	20TH	6.83
17.59	25TH	6.92
17.79	30TH	7.01
17.99	35TH	7.08
18.17	40TH	7.15
18.35	45TH	7.22
18.53	50TH	7.30
18.71	55TH	7.37
18.90	60TH	7.44
19.10	65TH	7.52
19.30	70TH	7.60
19.53	75TH	7.69
19.79	80TH	7.79
20.09	85TH	7.91
20.47	90TH	8.06
21.04	95TH	8.28
21.40	97TH	8.43
21.67	98TH	8.53
22.08	99TH	8.69

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.77	1ST	6.99
18.11	2ND	7.13
18.35	3RD	7.22
18.70	5TH	7.36
19.26	10TH	7.58
19.66	15TH	7.74
19.97	20TH	7.86
20.24	25TH	7.97
20.47	30TH	8.06
20.69	35TH	8.15
20.90	40TH	8.23
21.09	45TH	8.30
21.28	50TH	8.38
21.47	55TH	8.45
21.66	60TH	8.53
21.86	65TH	8.61
22.06	70TH	8.69
22.28	75TH	8.77
22.53	80TH	8.87
22.82	85TH	8.98
23.19	90TH	9.13
23.77	95TH	9.36
24.18	97TH	9.52
24.50	98TH	9.64
25.05	99TH	9.86

## (90) SHOULDER CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
102.69	MEAN VALUE	40.43
.11	SE(MEAN)	.04
5.22	STD DEVIATION	2.05
.08	SE(STD DEV)	.03
126.10	MAXIMUM	49.65
86.20	MINIMUM	33.94

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SYMMETRY---VETA I = .36  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
117.52	MEAN VALUE	46.27
.14	SE(MEAN)	.06
6.04	STD DEVIATION	2.38
.10	SE(STD DEV)	.04
142.40	MAXIMUM	56.06
96.60	MINIMUM	38.03

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
91.38	1ST	35.98
92.71	2ND	36.50
93.54	3RD	36.83
94.64	5TH	37.26
96.32	10TH	37.92
97.44	15TH	38.36
98.34	20TH	38.72
99.12	25TH	39.02
99.82	30TH	39.30
100.48	35TH	39.56
101.12	40TH	39.81
101.74	45TH	40.06
102.37	50TH	40.30
103.00	55TH	40.55
103.66	60TH	40.81
104.35	65TH	41.08
105.10	70TH	41.38
105.92	75TH	41.70
106.87	80TH	42.08
108.01	85TH	42.52
109.50	90TH	43.11
111.85	95TH	44.03
113.46	97TH	44.67
114.68	98TH	45.15
116.70	99TH	45.94

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
103.66	1ST	40.81
105.32	2ND	41.46
106.36	3RD	41.87
107.77	5TH	42.43
109.92	10TH	43.28
111.37	15TH	43.84
112.50	20TH	44.29
113.49	25TH	44.68
114.37	30TH	45.03
115.18	35TH	45.35
115.95	40TH	45.65
116.70	45TH	45.94
117.44	50TH	46.24
118.19	55TH	46.53
118.94	60TH	46.83
119.73	65TH	47.14
120.56	70TH	47.47
121.47	75TH	47.82
122.50	80TH	48.23
123.70	85TH	48.70
125.25	90TH	49.31
127.61	95TH	50.24
129.19	97TH	50.86
130.38	98TH	51.33
132.30	99TH	52.09

## (91) SHOULDER-ELBOW LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
33.58	MEAN VALUE	13.22
.04	SE(MEAN)	.01
1.74	STD DEVIATION	.68
.03	SE(STD DEV)	.01
40.10	MAXIMUM	15.79
28.20	MINIMUM	11.10

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.90	MEAN VALUE	14.53
.04	SE(MEAN)	.02
1.79	STD DEVIATION	.71
.03	SE(STD DEV)	.01
44.60	MAXIMUM	17.56
29.70	MINIMUM	11.69

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.62	1ST	11.66
30.08	2ND	11.84
30.37	3RD	11.96
30.76	5TH	12.11
31.36	10TH	12.35
31.77	15TH	12.51
32.09	20TH	12.64
32.38	25TH	12.75
32.63	30TH	12.85
32.87	35TH	12.94
33.10	40TH	13.03
33.32	45TH	13.12
33.54	50TH	13.20
33.76	55TH	13.29
33.98	60TH	13.38
34.22	65TH	13.47
34.47	70TH	13.57
34.74	75TH	13.68
35.05	80TH	13.80
35.40	85TH	13.94
35.85	90TH	14.11
36.51	95TH	14.37
36.92	97TH	14.54
37.23	98TH	14.66
37.69	99TH	14.84

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.88	1ST	12.94
33.33	2ND	13.12
33.62	3RD	13.24
34.02	5TH	13.39
34.64	10TH	13.64
35.06	15TH	13.80
35.40	20TH	13.94
35.69	25TH	14.05
35.95	30TH	14.15
36.20	35TH	14.25
36.43	40TH	14.34
36.66	45TH	14.43
36.88	50TH	14.52
37.11	55TH	14.61
37.34	60TH	14.70
37.58	65TH	14.79
37.83	70TH	14.89
38.10	75TH	15.00
38.41	80TH	15.12
38.76	85TH	15.26
39.21	90TH	15.44
39.88	95TH	15.70
40.31	97TH	15.87
40.63	98TH	16.00
41.13	99TH	16.19

## (92) SHOULDER LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.47	MEAN VALUE	5.70
.02	SE (MEAN)	.01
1.08	STD DEVIATION	.43
.02	SE (STD DEV)	.01
18.20	MAXIMUM	7.17
11.10	MINIMUM	4.37

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 2.99  
 COEF. OF VARIATION = 7.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.05	MEAN VALUE	5.92
.03	SE (MEAN)	.01
1.10	STD DEVIATION	.43
.02	SE (STD DEV)	.01
18.50	MAXIMUM	7.28
11.40	MINIMUM	4.49

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 7.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.97	1ST	4.71
12.23	2ND	4.82
12.41	3RD	4.89
12.66	5TH	4.98
13.05	10TH	5.14
13.33	15TH	5.25
13.54	20TH	5.33
13.73	25TH	5.41
13.90	30TH	5.47
14.05	35TH	5.53
14.20	40TH	5.59
14.34	45TH	5.64
14.47	50TH	5.70
14.61	55TH	5.75
14.74	60TH	5.80
14.88	65TH	5.86
15.03	70TH	5.92
15.19	75TH	5.98
15.37	80TH	6.05
15.57	85TH	6.13
15.84	90TH	6.24
16.24	95TH	6.39
16.51	97TH	6.50
16.73	98TH	6.59
17.08	99TH	6.72

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.44	1ST	4.90
12.79	2ND	5.03
12.99	3RD	5.12
13.26	5TH	5.22
13.66	10TH	5.38
13.92	15TH	5.48
14.13	20TH	5.56
14.30	25TH	5.63
14.46	30TH	5.69
14.61	35TH	5.75
14.75	40TH	5.81
14.89	45TH	5.86
15.02	50TH	5.92
15.16	55TH	5.97
15.30	60TH	6.03
15.45	65TH	6.08
15.61	70TH	6.15
15.76	75TH	6.21
15.98	80TH	6.29
16.20	85TH	6.38
16.49	90TH	6.49
16.91	95TH	6.66
17.18	97TH	6.76
17.37	98TH	6.84
17.66	99TH	6.95

## (93) SITTING HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
85.20	MEAN VALUE	33.54
.07	SE(MEAN)	.03
3.49	STD DEVIATION	1.37
.05	SE(STD DEV)	.02
97.10	MAXIMUM	38.23
74.80	MINIMUM	29.45

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 2.82  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
91.39	MEAN VALUE	35.98
.08	SE(MEAN)	.03
3.56	STD DEVIATION	1.40
.06	SE(STD DEV)	.02
103.20	MAXIMUM	40.63
80.80	MINIMUM	31.81

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SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 2.87  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
77.48	1ST	30.50
78.27	2ND	30.81
78.79	3RD	31.02
79.53	5TH	31.31
80.70	10TH	31.77
81.52	15TH	32.09
82.18	20TH	32.35
82.76	25TH	32.58
83.28	30TH	32.79
83.77	35TH	32.98
84.23	40TH	33.16
84.69	45TH	33.34
85.14	50TH	33.52
85.59	55TH	33.70
86.05	60TH	33.88
86.52	65TH	34.06
87.02	70TH	34.26
87.57	75TH	34.48
88.17	80TH	34.71
88.87	85TH	34.99
89.75	90TH	35.33
91.02	95TH	35.84
91.83	97TH	36.15
92.42	98TH	36.38
93.31	99TH	36.74

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
82.79	1ST	32.59
83.88	2ND	33.02
84.55	3RD	33.29
85.45	5TH	33.64
86.79	10TH	34.17
87.68	15TH	34.52
88.38	20TH	34.80
88.99	25TH	35.03
89.53	30TH	35.25
90.03	35TH	35.44
90.51	40TH	35.63
90.97	45TH	35.81
91.42	50TH	35.99
91.88	55TH	36.17
92.34	60TH	36.35
92.82	65TH	36.54
93.32	70TH	36.74
93.86	75TH	36.95
94.46	80TH	37.19
95.14	85TH	37.46
95.99	90TH	37.79
97.19	95TH	38.26
97.91	97TH	38.55
98.42	98TH	38.75
99.14	99TH	39.03

## (94) SLEEVE LENGTH: SPINE-ELBOW

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
53.71	MEAN VALUE	21.14
.05	SE(MEAN)	.02
2.47	STD DEVIATION	.97
.04	SE(STD DEV)	.01
61.60	MAXIMUM	24.25
44.80	MINIMUM	17.64

---

SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
59.12	MEAN VALUE	23.28
.06	SE(MEAN)	.03
2.70	STD DEVIATION	1.06
.05	SE(STD DEV)	.02
68.90	MAXIMUM	27.13
48.40	MINIMUM	19.06

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
47.94	1ST	18.87
48.64	2ND	19.15
49.07	3RD	19.32
49.65	5TH	19.55
50.53	10TH	19.89
51.13	15TH	20.13
51.60	20TH	20.32
52.01	25TH	20.48
52.38	30TH	20.62
52.73	35TH	20.76
53.06	40TH	20.89
53.38	45TH	21.02
53.70	50TH	21.14
54.02	55TH	21.27
54.34	60TH	21.39
54.68	65TH	21.53
55.04	70TH	21.67
55.42	75TH	21.82
55.85	80TH	21.99
56.34	85TH	22.18
56.95	90TH	22.42
57.83	95TH	22.77
58.36	97TH	22.98
58.74	98TH	23.12
59.28	99TH	23.34

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
52.88	1ST	20.82
53.63	2ND	21.11
54.10	3RD	21.30
54.74	5TH	21.55
55.71	10TH	21.93
56.36	15TH	22.19
56.88	20TH	22.39
57.32	25TH	22.57
57.72	30TH	22.72
58.08	35TH	22.87
58.43	40TH	23.00
58.77	45TH	23.14
59.10	50TH	23.27
59.43	55TH	23.40
59.77	60TH	23.53
60.13	65TH	23.67
60.50	70TH	23.82
60.91	75TH	23.98
61.37	80TH	24.16
61.90	85TH	24.37
62.59	90TH	24.64
63.63	95TH	25.05
64.33	97TH	25.33
64.85	98TH	25.53
65.69	99TH	25.86

## (95) SLEEVE LENGTH: SPINE-SCYE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.83	MEAN VALUE	8.20
.03	SE(MEAN)	.01
1.29	STD DEVIATION	.51
.02	SE(STD DEV)	.01
25.20	MAXIMUM	9.92
16.70	MINIMUM	6.57

---

SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 6.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.59	MEAN VALUE	8.89
.04	SE(MEAN)	.01
1.48	STD DEVIATION	.58
.02	SE(STD DEV)	.01
27.50	MAXIMUM	10.83
17.50	MINIMUM	6.89

---

SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 2.99  
 COEF. OF VARIATION = 6.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.85	1ST	7.03
18.19	2ND	7.16
18.41	3RD	7.25
18.71	5TH	7.37
19.18	10TH	7.55
19.50	15TH	7.68
19.75	20TH	7.78
19.97	25TH	7.86
20.16	30TH	7.94
20.33	35TH	8.01
20.50	40TH	8.07
20.66	45TH	8.14
20.82	50TH	8.20
20.98	55TH	8.26
21.14	60TH	8.32
21.31	65TH	8.39
21.48	70TH	8.46
21.68	75TH	8.53
21.89	80TH	8.62
22.14	85TH	8.72
22.47	90TH	8.85
22.97	95TH	9.04
23.31	97TH	9.18
23.58	98TH	9.28
24.01	99TH	9.45

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.35	1ST	7.62
19.69	2ND	7.75
19.92	3RD	7.84
20.23	5TH	7.96
20.72	10TH	8.16
21.06	15TH	8.29
21.33	20TH	8.40
21.57	25TH	8.49
21.78	30TH	8.58
21.99	35TH	8.66
22.18	40TH	8.73
22.37	45TH	8.81
22.56	50TH	8.88
22.75	55TH	8.95
22.94	60TH	9.03
23.14	65TH	9.11
23.35	70TH	9.19
23.58	75TH	9.28
23.84	80TH	9.39
24.14	85TH	9.50
24.52	90TH	9.65
25.08	95TH	9.87
25.44	97TH	10.02
25.70	98TH	10.12
26.11	99TH	10.28

(96) SLEEVE LENGTH: SPINE-WRIST

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
80.67	MEAN VALUE	31.76
.08	SE(MEAN)	.03
3.63	STD DEVIATION	1.43
.05	SE(STD DEV)	.02
94.80	MAXIMUM	37.32
67.10	MINIMUM	26.42

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SYMMETRY---VETA I = .05  
KURTOSIS---VETA II = 3.11  
COEF. OF VARIATION = 4.5%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
88.60	MEAN VALUE	34.88
.09	SE(MEAN)	.04
3.79	STD DEVIATION	1.49
.06	SE(STD DEV)	.03
103.70	MAXIMUM	40.83
73.10	MINIMUM	28.78

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SYMMETRY---VETA I = .03  
KURTOSIS---VETA II = 3.23  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
72.41	1ST	28.51
73.40	2ND	28.90
74.01	3RD	29.14
74.82	5TH	29.46
76.07	10TH	29.95
76.91	15TH	30.28
77.58	20TH	30.54
78.17	25TH	30.77
78.70	30TH	30.98
79.20	35TH	31.18
79.67	40TH	31.37
80.14	45TH	31.55
80.60	50TH	31.73
81.07	55TH	31.92
81.55	60TH	32.11
82.04	65TH	32.30
82.57	70TH	32.51
83.14	75TH	32.73
83.78	80TH	32.98
84.51	85TH	33.27
85.42	90TH	33.63
86.71	95TH	34.14
87.49	97TH	34.45
88.03	98TH	34.66
88.79	99TH	34.95

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
80.12	1ST	31.54
81.06	2ND	31.91
81.66	3RD	32.15
82.49	5TH	32.47
83.78	10TH	32.98
84.67	15TH	33.33
85.38	20TH	33.61
86.00	25TH	33.86
86.56	30TH	34.08
87.08	35TH	34.28
87.58	40TH	34.48
88.06	45TH	34.67
88.54	50TH	34.86
89.03	55TH	35.05
89.52	60TH	35.24
90.03	65TH	35.44
90.56	70TH	35.65
91.15	75TH	35.88
91.80	80TH	36.14
92.56	85TH	36.44
93.52	90TH	36.82
94.93	95TH	37.37
95.84	97TH	37.73
96.50	98TH	37.99
97.51	99TH	38.39



## (97) SLEEVE OUTSEAM

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
54.72	MEAN VALUE	21.54
.06	SE(MEAN)	.03
3.02	STD DEVIATION	1.19
.05	SE(STD DEV)	.02
67.80	MAXIMUM	26.69
42.10	MINIMUM	16.57

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 5.58  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
60.15	MEAN VALUE	23.68
.07	SE(MEAN)	.03
3.07	STD DEVIATION	1.21
.05	SE(STD DEV)	.02
74.50	MAXIMUM	29.33
48.10	MINIMUM	18.94

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.29  
 COEF. OF VARIATION = 5.18  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
47.91	1ST	18.86
48.66	2ND	19.16
49.15	3RD	19.35
49.81	5TH	19.61
50.85	10TH	20.02
51.56	15TH	20.30
52.13	20TH	20.52
52.62	25TH	20.72
53.07	30TH	20.89
53.48	35TH	21.06
53.88	40TH	21.21
54.26	45TH	21.36
54.64	50TH	21.51
55.02	55TH	21.66
55.41	60TH	21.82
55.82	65TH	21.97
56.24	70TH	22.14
56.71	75TH	22.33
57.24	80TH	22.53
57.85	85TH	22.77
58.63	90TH	23.08
59.81	95TH	23.55
60.58	97TH	23.85
61.16	98TH	24.08
62.09	99TH	24.44

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
53.24	1ST	20.96
54.03	2ND	21.27
54.52	3RD	21.47
55.19	5TH	21.73
56.24	10TH	22.14
56.95	15TH	22.42
57.52	20TH	22.64
58.01	25TH	22.84
58.46	30TH	23.02
58.88	35TH	23.18
59.28	40TH	23.34
59.67	45TH	23.49
60.07	50TH	23.65
60.46	55TH	23.80
60.86	60TH	23.96
61.28	65TH	24.13
61.72	70TH	24.30
62.21	75TH	24.49
62.75	80TH	24.71
63.39	85TH	24.96
64.20	90TH	25.27
65.39	95TH	25.74
66.16	97TH	26.05
66.72	98TH	26.27
67.58	99TH	26.61

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
167.19	MEAN VALUE	65.82
.17	SE(MEAN)	.07
8.13	STD DEVIATION	3.20
.12	SE(STD DEV)	.05
196.80	MAXIMUM	77.48
135.60	MINIMUM	53.39

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
182.31	MEAN VALUE	71.77
.19	SE(MEAN)	.08
8.19	STD DEVIATION	3.23
.14	SE(STD DEV)	.05
215.90	MAXIMUM	85.00
147.40	MINIMUM	58.03

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
148.81	1ST	58.59
151.02	2ND	59.46
152.38	3RD	59.99
154.21	5TH	60.71
157.00	10TH	61.81
158.88	15TH	62.55
160.37	20TH	63.14
161.67	25TH	63.65
162.85	30TH	64.11
163.94	35TH	64.54
164.98	40TH	64.95
166.00	45TH	65.36
167.02	50TH	65.76
168.04	55TH	66.16
169.09	60TH	66.57
170.18	65TH	67.00
171.33	70TH	67.45
172.60	75TH	67.95
174.02	80TH	68.51
175.67	85TH	69.16
177.76	90TH	69.99
180.86	95TH	71.20
182.84	97TH	71.98
184.27	98TH	72.55
186.45	99TH	73.41

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
164.79	1ST	64.88
166.53	2ND	65.56
167.68	3RD	66.02
169.31	5TH	66.66
171.94	10TH	67.69
173.78	15TH	68.42
175.28	20TH	69.01
176.60	25TH	69.53
177.80	30TH	70.00
178.92	35TH	70.44
179.99	40TH	70.86
181.04	45TH	71.28
182.09	50TH	71.69
183.14	55TH	72.10
184.21	60TH	72.52
185.32	65TH	72.96
186.50	70TH	73.42
187.77	75TH	73.93
189.21	80TH	74.49
190.86	85TH	75.14
192.96	90TH	75.97
196.03	95TH	77.18
197.99	97TH	77.95
199.42	98TH	78.51
201.62	99TH	79.38

## (99) STATURE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
162.94	MEAN VALUE	64.15
.14	SE(MEAN)	.05
6.36	STD DEVIATION	2.50
.10	SE(STD DEV)	.04
187.00	MAXIMUM	73.62
142.80	MINIMUM	56.22

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
175.58	MEAN VALUE	69.13
.16	SE(MEAN)	.06
6.68	STD DEVIATION	2.63
.11	SE(STD DEV)	.04
204.20	MAXIMUM	80.39
149.70	MINIMUM	58.94

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 3.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
148.32	1ST	58.39
150.18	2ND	59.13
151.31	3RD	59.57
152.78	5TH	60.15
154.97	10TH	61.01
156.43	15TH	61.59
157.58	20TH	62.04
158.58	25TH	62.43
159.48	30TH	62.79
160.32	35TH	63.12
161.14	40TH	63.44
161.92	45TH	63.75
162.72	50TH	64.06
163.53	55TH	64.38
164.35	60TH	64.70
165.21	65TH	65.04
166.13	70TH	65.40
167.13	75TH	65.80
168.27	80TH	66.25
169.59	85TH	66.77
171.27	90TH	67.43
173.73	95TH	68.40
175.28	97TH	69.01
176.39	98TH	69.44
178.04	99TH	70.09

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
160.27	1ST	63.10
162.05	2ND	63.80
163.17	3RD	64.24
164.69	5TH	64.84
167.03	10TH	65.76
168.62	15TH	66.39
169.89	20TH	66.88
170.99	25TH	67.32
171.98	30TH	67.71
172.90	35TH	68.07
173.78	40TH	68.42
174.64	45TH	68.76
175.49	50TH	69.09
176.34	55TH	69.43
177.21	60TH	69.77
178.11	65TH	70.12
179.06	70TH	70.50
180.09	75TH	70.90
181.24	80TH	71.35
182.57	85TH	71.88
184.23	90TH	72.53
185.65	95TH	73.48
188.16	97TH	74.08
189.24	98TH	74.50
190.87	99TH	75.14

(100) STRAP LENGTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
67.86	MEAN VALUE	26.72
.10	SE(MEAN)	.04
4.62	STD DEVIATION	1.82
.07	SE(STD DEV)	.03
86.70	MAXIMUM	34.13
54.50	MINIMUM	21.46

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SYMMETRY---VETA I = .28  
KURTOSIS---VETA II = 3.17  
COEF. OF VARIATION = 6.8%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
71.07	MEAN VALUE	27.98
.10	SE(MEAN)	.04
4.01	STD DEVIATION	1.58
.07	SE(STD DEV)	.03
88.20	MAXIMUM	34.72
59.20	MINIMUM	23.31

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SYMMETRY---VETA I = .30  
KURTOSIS---VETA II = 3.35  
COEF. OF VARIATION = 5.7%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
57.95	1ST	22.82
58.98	2ND	23.22
59.65	3RD	23.48
60.58	5TH	23.85
62.05	10TH	24.43
63.08	15TH	24.83
63.90	20TH	25.16
64.63	25TH	25.44
65.28	30TH	25.70
65.90	35TH	25.94
66.49	40TH	26.18
67.06	45TH	26.40
67.64	50TH	26.63
68.22	55TH	26.86
68.81	60TH	27.09
69.43	65TH	27.34
70.09	70TH	27.60
70.82	75TH	27.88
71.64	80TH	28.20
72.60	85TH	28.58
73.85	90TH	29.07
75.74	95TH	29.82
77.00	97TH	30.31
77.94	98TH	30.69
79.46	99TH	31.28

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
62.35	1ST	24.55
63.29	2ND	24.92
63.89	3RD	25.15
64.73	5TH	25.49
66.06	10TH	26.01
66.97	15TH	26.36
67.69	20TH	26.65
68.32	25TH	26.90
68.89	30TH	27.12
69.42	35TH	27.33
69.93	40TH	27.53
70.42	45TH	27.72
70.91	50TH	27.92
71.40	55TH	28.11
71.90	60TH	28.31
72.43	65TH	28.52
72.99	70TH	28.74
73.61	75TH	28.98
74.31	80TH	29.26
75.14	85TH	29.58
76.22	90TH	30.01
77.91	95TH	30.67
79.08	97TH	31.13
79.97	98TH	31.49
81.46	99TH	32.07

## (101) SUPRASTERNAL HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
133.03	MEAN VALUE	52.37
.12	SE(MEAN)	.05
5.60	STD DEVIATION	2.20
.08	SE(STD DEV)	.03
153.80	MAXIMUM	60.55
115.10	MINIMUM	45.31

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
143.84	MEAN VALUE	56.63
.14	SE(MEAN)	.06
5.93	STD DEVIATION	2.33
.10	SE(STD DEV)	.04
168.60	MAXIMUM	66.38
118.80	MINIMUM	46.77

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
120.74	1ST	47.53
122.08	2ND	48.06
122.93	3RD	48.40
124.11	5TH	48.86
125.96	10TH	49.59
127.24	15TH	50.09
128.26	20TH	50.50
129.16	25TH	50.85
129.97	30TH	51.17
130.73	35TH	51.47
131.46	40TH	51.76
132.17	45TH	52.04
132.88	50TH	52.31
133.59	55TH	52.60
134.32	60TH	52.88
135.08	65TH	53.18
135.88	70TH	53.50
136.76	75TH	53.84
137.74	80TH	54.23
138.89	85TH	54.63
140.34	90TH	55.25
142.48	95TH	56.09
143.86	97TH	56.64
144.85	98TH	57.03
146.40	99TH	57.64

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
130.24	1ST	51.28
131.91	2ND	51.93
132.94	3RD	52.34
134.30	5TH	52.88
136.37	10TH	53.69
137.76	15TH	54.24
138.87	20TH	54.67
139.82	25TH	55.05
140.69	30TH	55.39
141.49	35TH	55.70
142.25	40TH	56.01
143.00	45TH	56.30
143.74	50TH	56.59
144.49	55TH	56.89
145.26	60TH	57.19
146.05	65TH	57.50
146.89	70TH	57.83
147.80	75TH	58.19
148.83	80TH	58.59
150.01	85TH	59.06
151.51	90TH	59.65
153.68	95TH	60.50
155.04	97TH	61.04
156.01	98TH	61.42
157.45	99TH	61.99

(102) TENTH RIB HEIGHT

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
104.44	MEAN VALUE	41.12
.10	SE(MEAN)	.04
4.87	STD DEVIATION	1.92
.07	SE(STD DEV)	.03
124.30	MAXIMUM	48.94
87.60	MINIMUM	34.49

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SYMMETRY---VETA I = .16  
KURTOSIS---VETA II = 3.14  
COEF. OF VARIATION = 4.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
112.12	MEAN VALUE	44.14
.12	SE(MEAN)	.05
5.13	STD DEVIATION	2.02
.09	SE(STD DEV)	.03
135.30	MAXIMUM	53.27
90.50	MINIMUM	35.63

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SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 3.31  
COEF. OF VARIATION = 4.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
93.23	1ST	36.71
94.69	2ND	37.28
95.56	3RD	37.62
96.70	5TH	38.07
98.38	10TH	38.73
99.49	15TH	39.17
100.37	20TH	39.52
101.13	25TH	39.81
101.81	30TH	40.08
102.45	35TH	40.34
103.07	40TH	40.58
103.66	45TH	40.81
104.26	50TH	41.05
104.87	55TH	41.29
105.50	60TH	41.53
106.15	65TH	41.79
106.85	70TH	42.07
107.62	75TH	42.37
108.49	80TH	42.71
109.51	85TH	43.11
110.82	90TH	43.63
112.77	95TH	44.40
114.04	97TH	44.90
114.96	98TH	45.26
116.37	99TH	45.82

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
100.52	1ST	39.57
101.89	2ND	40.11
102.75	3RD	40.45
103.90	5TH	40.91
105.67	10TH	41.60
106.86	15TH	42.07
107.81	20TH	42.44
108.63	25TH	42.77
109.37	30TH	43.06
110.06	35TH	43.33
110.72	40TH	43.59
111.36	45TH	43.84
112.00	50TH	44.10
112.65	55TH	44.35
113.30	60TH	44.61
113.99	65TH	44.88
114.71	70TH	45.16
115.50	75TH	45.47
116.39	80TH	45.82
117.42	85TH	46.23
118.73	90TH	46.74
120.66	95TH	47.50
121.91	97TH	47.99
122.81	98TH	48.35
124.20	99TH	48.90

## (103) THIGH CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
58.03	MEAN VALUE	22.85
.10	SE(MEAN)	.04
4.50	STD DEVIATION	1.77
.07	SE(STD DEV)	.03
74.80	MAXIMUM	29.45
45.40	MINIMUM	17.87

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SYMMETRY---VETA I = .24  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 7.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
59.65	MEAN VALUE	23.48
.12	SE(MEAN)	.05
4.93	STD DEVIATION	1.94
.08	SE(STD DEV)	.03
78.70	MAXIMUM	30.98
45.80	MINIMUM	18.02

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 2.95  
 COEF. OF VARIATION = 8.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
48.05	1ST	18.92
49.16	2ND	19.35
49.87	3RD	19.63
50.83	5TH	20.01
52.34	10TH	20.61
53.37	15TH	21.01
54.19	20TH	21.33
54.91	25TH	21.62
55.55	30TH	21.87
56.16	35TH	22.11
56.73	40TH	22.34
57.29	45TH	22.56
57.85	50TH	22.78
58.42	55TH	23.00
59.00	60TH	23.23
59.60	65TH	23.46
60.24	70TH	23.72
60.94	75TH	23.99
61.74	80TH	24.31
62.68	85TH	24.68
63.89	90TH	25.15
65.74	95TH	25.88
66.98	97TH	26.37
67.91	98TH	26.74
69.42	99TH	27.33

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
48.72	1ST	19.18
49.85	2ND	19.62
50.60	3RD	19.92
51.65	5TH	20.33
53.33	10TH	21.00
54.49	15TH	21.45
55.43	20TH	21.82
56.25	25TH	22.15
56.98	30TH	22.43
57.67	35TH	22.70
58.32	40TH	22.96
58.95	45TH	23.21
59.58	50TH	23.46
60.21	55TH	23.70
60.85	60TH	23.96
61.51	65TH	24.22
62.21	70TH	24.49
62.96	75TH	24.79
63.81	80TH	25.12
64.79	85TH	25.51
66.04	90TH	26.00
67.90	95TH	26.73
69.12	97TH	27.21
70.03	98TH	27.57
71.46	99TH	28.13

## (104) THIGH CLEARANCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.89	MEAN VALUE	6.26
.03	SE(MEAN)	.01
1.21	STD DEVIATION	.48
.02	SE(STD DEV)	.01
20.60	MAXIMUM	8.11
12.10	MINIMUM	4.76

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SYMMETRY---VETA I = .35  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.82	MEAN VALUE	6.62
.03	SE(MEAN)	.01
1.26	STD DEVIATION	.49
.02	SE(STD DEV)	.01
22.00	MAXIMUM	8.66
12.90	MINIMUM	5.08

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SYMMETRY---VETA I = .30  
 KURTOSIS---VETA II = 3.27  
 COEF. OF VARIATION = 7.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.38	1ST	5.27
13.64	2ND	5.37
13.81	3RD	5.44
14.04	5TH	5.53
14.40	10TH	5.67
14.65	15TH	5.77
14.86	20TH	5.85
15.04	25TH	5.92
15.21	30TH	5.99
15.36	35TH	6.05
15.51	40TH	6.11
15.66	45TH	6.17
15.82	50TH	6.23
15.97	55TH	6.29
16.13	60TH	6.35
16.29	65TH	6.41
16.47	70TH	6.48
16.67	75TH	6.56
16.89	80TH	6.65
17.16	85TH	6.75
17.50	90TH	6.89
18.02	95TH	7.09
18.36	97TH	7.23
18.61	98TH	7.33
19.01	99TH	7.48

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.09	1ST	5.55
14.40	2ND	5.67
14.59	3RD	5.75
14.86	5TH	5.85
15.27	10TH	6.01
15.54	15TH	6.12
15.76	20TH	6.21
15.96	25TH	6.28
16.13	30TH	6.35
16.30	35TH	6.42
16.45	40TH	6.48
16.61	45TH	6.54
16.76	50TH	6.60
16.91	55TH	6.66
17.07	60TH	6.72
17.24	65TH	6.79
17.42	70TH	6.86
17.62	75TH	6.94
17.84	80TH	7.03
18.11	85TH	7.13
18.46	90TH	7.27
18.99	95TH	7.48
19.35	97TH	7.62
19.63	98TH	7.73
20.07	99TH	7.90



## (105) THUMB BREADTH

## FEMALE

<u>CENTIMETERS</u>	<u>INCHES</u>
2.07 MEAN VALUE	.81
.00 SE (MEAN)	.00
.13 STD DEVIATION	.05
.00 SE (STD DEV)	.00
2.50 MAXIMUM	.98
1.70 MINIMUM	.67

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 2.88  
 COEF. OF VARIATION = 6.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>	<u>INCHES</u>
2.41 MEAN VALUE	.95
.00 SE (MEAN)	.00
.14 STD DEVIATION	.05
.00 SE (STD DEV)	.00
2.90 MAXIMUM	1.14
1.90 MINIMUM	.75

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
1.78 1ST	.70
1.81 2ND	.71
1.84 3RD	.72
1.86 5TH	.73
1.91 10TH	.75
1.93 15TH	.76
1.96 20TH	.77
1.97 25TH	.78
1.99 30TH	.78
2.01 35TH	.79
2.03 40TH	.80
2.04 45TH	.80
2.06 50TH	.81
2.08 55TH	.82
2.09 60TH	.82
2.11 65TH	.83
2.13 70TH	.84
2.15 75TH	.85
2.18 80TH	.86
2.20 85TH	.87
2.24 90TH	.88
2.29 95TH	.90
2.31 97TH	.91
2.33 98TH	.92
2.35 99TH	.93

## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
2.09 1ST	.82
2.13 2ND	.84
2.16 3RD	.85
2.19 5TH	.86
2.24 10TH	.88
2.27 15TH	.90
2.30 20TH	.91
2.32 25TH	.91
2.34 30TH	.92
2.36 35TH	.93
2.38 40TH	.94
2.39 45TH	.94
2.41 50TH	.95
2.43 55TH	.96
2.45 60TH	.96
2.46 65TH	.97
2.48 70TH	.98
2.51 75TH	.99
2.53 80TH	1.00
2.56 85TH	1.01
2.60 90TH	1.02
2.65 95TH	1.04
2.68 97TH	1.06
2.71 98TH	1.07
2.74 99TH	1.08

## (106) THUMB TIP REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
73.46	MEAN VALUE	28.92
.08	SE(MEAN)	.03
3.64	STD DEVIATION	1.43
.05	SE(STD DEV)	.02
89.80	MAXIMUM	35.35
60.50	MINIMUM	23.82

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
80.08	MEAN VALUE	31.53
.09	SE(MEAN)	.04
3.92	STD DEVIATION	1.54
.07	SE(STD DEV)	.03
98.00	MAXIMUM	38.58
66.20	MINIMUM	26.06

---

SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
65.80	1ST	25.91
66.49	2ND	26.18
66.97	3RD	26.37
67.67	5TH	26.64
68.81	10TH	27.09
69.63	15TH	27.41
70.30	20TH	27.68
70.89	25TH	27.91
71.43	30TH	28.12
71.93	35TH	28.32
72.41	40TH	28.51
72.88	45TH	28.69
73.35	50TH	28.88
73.82	55TH	29.06
74.30	60TH	29.25
74.80	65TH	29.45
75.33	70TH	29.66
75.90	75TH	29.88
76.54	80TH	30.14
77.29	85TH	30.43
78.25	90TH	30.81
79.67	95TH	31.37
80.60	97TH	31.73
81.29	98TH	32.01
82.39	99TH	32.44

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
71.98	1ST	28.34
72.69	2ND	28.62
73.19	3RD	28.81
73.92	5TH	29.10
75.14	10TH	29.58
76.02	15TH	29.93
76.74	20TH	30.21
77.37	25TH	30.46
77.95	30TH	30.69
78.48	35TH	30.90
79.00	40TH	31.10
79.50	45TH	31.30
80.00	50TH	31.49
80.50	55TH	31.69
81.01	60TH	31.89
81.53	65TH	32.10
82.09	70TH	32.32
82.70	75TH	32.56
83.38	80TH	32.83
84.17	85TH	33.14
85.18	90TH	33.54
86.70	95TH	34.14
87.71	97TH	34.53
88.46	98TH	34.83
89.68	99TH	35.31

## (107) TROCHANTERIC HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
86.16	MEAN VALUE	33.92
.10	SE(MEAN)	.04
4.52	STD DEVIATION	1.78
.07	SE(STD DEV)	.03
106.20	MAXIMUM	41.81
67.30	MINIMUM	26.50

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.33  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
92.83	MEAN VALUE	36.55
.11	SE(MEAN)	.04
4.77	STD DEVIATION	1.88
.08	SE(STD DEV)	.03
116.20	MAXIMUM	45.75
75.00	MINIMUM	29.53

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
76.05	1ST	29.94
77.19	2ND	30.39
77.93	3RD	30.68
78.93	5TH	31.08
80.48	10TH	31.69
81.54	15TH	32.10
82.37	20TH	32.43
83.09	25TH	32.71
83.74	30TH	32.97
84.34	35TH	33.21
84.92	40TH	33.43
85.47	45TH	33.65
86.03	50TH	33.87
86.59	55TH	34.09
87.15	60TH	34.31
87.74	65TH	34.54
88.37	70TH	34.79
89.06	75TH	35.06
89.84	80TH	35.37
90.75	85TH	35.73
91.94	90TH	36.20
93.77	95TH	36.92
95.01	97TH	37.41
95.96	98TH	37.78
97.50	99TH	38.39

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
82.13	1ST	32.33
83.44	2ND	32.85
84.23	3RD	33.16
85.29	5TH	33.58
86.87	10TH	34.20
87.94	15TH	34.62
88.79	20TH	34.96
89.54	25TH	35.25
90.21	30TH	35.52
90.85	35TH	35.77
91.45	40TH	36.01
92.05	45TH	36.24
92.65	50TH	36.48
93.25	55TH	36.71
93.87	60TH	36.96
94.52	65TH	37.21
95.21	70TH	37.49
95.97	75TH	37.78
96.82	80TH	38.12
97.81	85TH	38.51
99.06	90TH	39.00
100.89	95TH	39.72
102.03	97TH	40.17
102.83	98TH	40.49
104.02	99TH	40.95

(108) VERTICAL TRUNK CIRCUMFERENCE (ASCC)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
148.89	MEAN VALUE	58.62
.14	SE(MEAN)	.06
6.75	STD DEVIATION	2.66
.10	SE(STD DEV)	.04
174.00	MAXIMUM	68.50
128.20	MINIMUM	50.47

---

SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.08  
COEF. OF VARIATION = 4.5%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
158.91	MEAN VALUE	62.56
.18	SE(MEAN)	.07
7.74	STD DEVIATION	3.05
.13	SE(STD DEV)	.05
187.50	MAXIMUM	73.82
134.00	MINIMUM	52.76

---

SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.37  
COEF. OF VARIATION = 4.9%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
134.43	1ST	52.93
135.81	2ND	53.47
136.75	3RD	53.84
138.10	5TH	54.37
140.31	10TH	55.24
141.87	15TH	55.85
143.12	20TH	56.35
144.22	25TH	56.78
145.20	30TH	57.17
146.12	35TH	57.53
147.00	40TH	57.87
147.85	45TH	58.21
148.70	50TH	58.54
149.55	55TH	58.88
150.41	60TH	59.22
151.31	65TH	59.57
152.26	70TH	59.94
153.29	75TH	60.35
154.47	80TH	60.81
155.84	85TH	61.36
157.63	90TH	62.06
160.38	95TH	63.14
162.26	97TH	63.88
163.71	98TH	64.45
166.11	99TH	65.40

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
141.22	1ST	55.60
143.39	2ND	56.45
144.75	3RD	56.99
146.57	5TH	57.71
149.33	10TH	58.79
151.17	15TH	59.51
152.60	20TH	60.08
153.83	25TH	60.56
154.93	30TH	60.99
155.94	35TH	61.39
156.89	40TH	61.77
157.82	45TH	62.13
158.74	50TH	62.50
159.67	55TH	62.86
160.61	60TH	63.23
161.59	65TH	63.62
162.64	70TH	64.03
163.78	75TH	64.48
165.09	80TH	65.00
166.64	85TH	65.60
168.67	90TH	66.40
171.85	95TH	67.66
174.06	97TH	68.53
175.77	98TH	69.20
178.62	99TH	70.32

## (109) VERTICAL TRUNK CIRCUMFERENCE (USA)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
153.02	MEAN VALUE	60.24
.15	SE(MEAN)	.06
6.92	STD DEVIATION	2.72
.10	SE(STD DEV)	.04
177.30	MAXIMUM	69.80
132.30	MINIMUM	52.09

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
163.18	MEAN VALUE	64.24
.19	SE(MEAN)	.07
7.81	STD DEVIATION	3.07
.13	SE(STD DEV)	.05
190.40	MAXIMUM	74.96
137.70	MINIMUM	54.21

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.31  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
137.99	1ST	54.33
139.57	2ND	54.95
140.60	3RD	55.35
142.04	5TH	55.92
144.32	10TH	56.82
145.89	15TH	57.44
147.15	20TH	57.93
148.26	25TH	58.37
149.25	30TH	58.76
150.18	35TH	59.13
151.07	40TH	59.47
151.93	45TH	59.81
152.79	50TH	60.15
153.66	55TH	60.49
154.54	60TH	60.84
155.46	65TH	61.21
156.44	70TH	61.59
157.51	75TH	62.01
158.73	80TH	62.49
160.16	85TH	63.05
162.01	90TH	63.78
164.84	95TH	64.90
166.76	97TH	65.65
168.21	98TH	66.22
170.58	99TH	67.16

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
144.55	1ST	56.91
147.11	2ND	57.92
148.64	3RD	58.52
150.64	5TH	59.31
153.54	10TH	60.45
155.41	15TH	61.18
156.85	20TH	61.75
158.09	25TH	62.24
159.18	30TH	62.67
160.19	35TH	63.07
161.15	40TH	63.45
162.08	45TH	63.81
163.01	50TH	64.18
163.95	55TH	64.55
164.90	60TH	64.92
165.90	65TH	65.31
166.96	70TH	65.73
168.13	75TH	66.19
169.47	80TH	66.72
171.06	85TH	67.34
173.13	90TH	68.16
176.34	95TH	69.43
178.53	97TH	70.29
180.19	98TH	70.94
182.90	99TH	72.01

(110) WAIST BACK LENGTH (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.73	MEAN VALUE	14.46
.05	SE(MEAN)	.02
2.50	STD DEVIATION	.99
.04	SE(STD DEV)	.01
47.70	MAXIMUM	18.78
28.30	MINIMUM	11.14

---

SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.07  
COEF. OF VARIATION = 6.8%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
41.20	MEAN VALUE	16.22
.06	SE(MEAN)	.02
2.32	STD DEVIATION	.91
.04	SE(STD DEV)	.02
49.30	MAXIMUM	19.41
34.50	MINIMUM	13.58

---

SYMMETRY---VETA I = .07  
KURTOSIS---VETA II = 2.92  
COEF. OF VARIATION = 5.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.35	1ST	12.34
31.88	2ND	12.55
32.23	3RD	12.69
32.73	5TH	12.89
33.54	10TH	13.21
34.11	15TH	13.43
34.57	20TH	13.61
34.98	25TH	13.77
35.35	30TH	13.92
35.69	35TH	14.05
36.02	40TH	14.18
36.34	45TH	14.31
36.65	50TH	14.43
36.97	55TH	14.56
37.30	60TH	14.69
37.64	65TH	14.82
38.00	70TH	14.96
38.39	75TH	15.11
38.83	80TH	15.29
39.34	85TH	15.49
39.99	90TH	15.75
40.98	95TH	16.13
41.62	97TH	16.39
42.11	98TH	16.58
42.88	99TH	16.88

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
35.98	1ST	14.17
36.49	2ND	14.37
36.85	3RD	14.51
37.35	5TH	14.71
38.17	10TH	15.03
38.74	15TH	15.25
39.20	20TH	15.43
39.60	25TH	15.59
39.95	30TH	15.73
40.28	35TH	15.86
40.59	40TH	15.98
40.89	45TH	16.10
41.19	50TH	16.22
41.48	55TH	16.33
41.78	60TH	16.45
42.09	65TH	16.57
42.41	70TH	16.70
42.76	75TH	16.84
43.15	80TH	16.99
43.61	85TH	17.17
44.19	90TH	17.40
45.06	95TH	17.74
45.65	97TH	17.97
46.11	98TH	18.15
46.85	99TH	18.44

(111) WAIST BACK LENGTH (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
44.25	MEAN VALUE	17.42
.05	SE(MEAN)	.02
2.46	STD DEVIATION	.97
.04	SE(STD DEV)	.01
55.50	MAXIMUM	21.85
36.30	MINIMUM	14.29

---

SYMMETRY---VETA I = .27  
KURTOSIS---VETA II = 3.30  
COEF. OF VARIATION = 5.6%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
47.85	MEAN VALUE	18.84
.06	SE(MEAN)	.03
2.68	STD DEVIATION	1.06
.05	SE(STD DEV)	.02
57.10	MAXIMUM	22.48
38.50	MINIMUM	15.16

---

SYMMETRY---VETA I = .18  
KURTOSIS---VETA II = 3.24  
COEF. OF VARIATION = 5.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
38.98	1ST	15.35
39.52	2ND	15.56
39.87	3RD	15.70
40.37	5TH	15.89
41.16	10TH	16.21
41.72	15TH	16.42
42.16	20TH	16.60
42.56	25TH	16.75
42.91	30TH	16.89
43.24	35TH	17.02
43.55	40TH	17.15
43.85	45TH	17.27
44.16	50TH	17.39
44.47	55TH	17.51
44.78	60TH	17.63
45.11	65TH	17.76
45.45	70TH	17.89
45.83	75TH	18.04
46.27	80TH	18.22
46.78	85TH	18.42
47.44	90TH	18.68
48.47	95TH	19.08
49.17	97TH	19.36
49.71	98TH	19.57
50.60	99TH	19.92

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
41.91	1ST	16.50
42.53	2ND	16.74
42.95	3RD	16.91
43.54	5TH	17.14
44.47	10TH	17.51
45.12	15TH	17.76
45.63	20TH	17.96
46.06	25TH	18.14
46.46	30TH	18.29
46.82	35TH	18.43
47.16	40TH	18.57
47.48	45TH	18.69
47.81	50TH	18.82
48.13	55TH	18.95
48.46	60TH	19.08
48.80	65TH	19.21
49.16	70TH	19.35
49.55	75TH	19.51
50.00	80TH	19.68
50.52	85TH	19.89
51.21	90TH	20.16
52.32	95TH	20.60
53.10	97TH	20.91
53.72	98TH	21.15
54.78	99TH	21.57

## (112) WAIST BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.97	MEAN VALUE	11.40
.06	SE(MEAN)	.02
2.83	STD DEVIATION	1.11
.04	SE(STD DEV)	.02
39.00	MAXIMUM	15.35
22.50	MINIMUM	8.86

---

SYMMETRY---VETA I = .57  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 9.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.93	MEAN VALUE	12.18
.07	SE(MEAN)	.03
2.87	STD DEVIATION	1.13
.05	SE(STD DEV)	.02
40.50	MAXIMUM	15.94
23.50	MINIMUM	9.25

---

SYMMETRY---VETA I = .34  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 9.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
23.72	1ST	9.34
24.18	2ND	9.52
24.48	3RD	9.64
24.89	5TH	9.80
25.58	10TH	10.07
26.07	15TH	10.26
26.49	20TH	10.43
26.88	25TH	10.58
27.24	30TH	10.72
27.59	35TH	10.86
27.93	40TH	11.00
28.27	45TH	11.13
28.63	50TH	11.27
28.99	55TH	11.41
29.38	60TH	11.57
29.78	65TH	11.73
30.23	70TH	11.90
30.72	75TH	12.09
31.29	80TH	12.32
31.97	85TH	12.59
32.86	90TH	12.94
34.22	95TH	13.47
35.11	97TH	13.82
35.77	98TH	14.08
36.79	99TH	14.49

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.98	1ST	9.83
25.59	2ND	10.08
25.98	3RD	10.23
26.51	5TH	10.44
27.36	10TH	10.77
27.95	15TH	11.00
28.43	20TH	11.19
28.87	25TH	11.36
29.26	30TH	11.52
29.64	35TH	11.67
30.00	40TH	11.81
30.36	45TH	11.95
30.73	50TH	12.10
31.10	55TH	12.24
31.48	60TH	12.39
31.88	65TH	12.55
32.31	70TH	12.72
32.79	75TH	12.91
33.32	80TH	13.12
33.95	85TH	13.37
34.76	90TH	13.68
35.95	95TH	14.16
36.72	97TH	14.46
37.27	98TH	14.67
38.11	99TH	15.01



## (113) WAIST CIRCUMFERENCE (NATURAL INDENTATION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
72.55	MEAN VALUE	28.56
.13	SE(MEAN)	.05
6.30	STD DEVIATION	2.48
.09	SE(STD DEV)	.04
98.70	MAXIMUM	38.86
56.80	MINIMUM	22.36

---

SYMMETRY---VETA J = .73  
 KURTOSIS---VETA II = 3.72  
 COEF. OF VARIATION = 8.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
83.99	MEAN VALUE	33.07
.18	SE(MEAN)	.07
7.40	STD DEVIATION	2.91
.12	SE(STD DEV)	.05
112.20	MAXIMUM	44.17
64.70	MINIMUM	25.47

---

SYMMETRY---VETA I = .41  
 KURTOSIS---VETA II = 2.96  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
60.69	1ST	23.89
61.96	2ND	24.39
62.72	3RD	24.69
63.74	5TH	25.09
65.30	10TH	25.71
66.38	15TH	26.13
67.27	20TH	26.49
68.08	25TH	26.80
68.83	30TH	27.10
69.55	35TH	27.38
70.27	40TH	27.66
70.99	45TH	27.95
71.73	50TH	28.24
72.50	55TH	28.54
73.31	60TH	28.86
74.18	65TH	29.20
75.13	70TH	29.58
76.21	75TH	30.01
77.48	80TH	30.50
79.01	85TH	31.11
81.07	90TH	31.92
84.32	95TH	33.20
86.56	97TH	34.08
88.27	98TH	34.75
91.03	99TH	35.84

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
69.92	1ST	27.53
71.07	2ND	27.98
71.85	3RD	28.29
72.99	5TH	28.73
74.91	10TH	29.49
76.33	15TH	30.05
77.53	20TH	30.52
78.61	25TH	30.95
79.61	30TH	31.34
80.58	35TH	31.72
81.52	40TH	32.09
82.45	45TH	32.46
83.40	50TH	32.83
84.36	55TH	33.21
85.36	60TH	33.61
86.41	65TH	34.02
87.54	70TH	34.47
88.79	75TH	34.96
90.20	80TH	35.51
91.86	85TH	36.17
93.98	90TH	37.00
97.14	95TH	38.24
99.16	97TH	39.04
100.62	98TH	39.62
102.86	99TH	40.50

## (114) WAIST CIRCUMFERENCE (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
79.19	MEAN VALUE	31.18
.18	SE(MEAN)	.07
8.27	STD DEVIATION	3.26
.12	SE(STD DEV)	.05
110.80	MAXIMUM	43.62
61.00	MINIMUM	24.02

---

SYMMETRY---VETA I = .67  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 10.48  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
86.24	MEAN VALUE	33.95
.21	SE(MEAN)	.08
8.64	STD DEVIATION	3.40
.15	SE(STD DEV)	.06
118.50	MAXIMUM	46.65
65.40	MINIMUM	25.75

---

SYMMETRY---VETA I = .40  
 KURTOSIS---VETA II = 2.85  
 COEF. OF VARIATION = 10.08  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
64.42	1ST	25.36
65.64	2ND	25.84
66.44	3RD	26.16
67.56	5TH	26.60
69.43	10TH	27.34
70.82	15TH	27.88
72.00	20TH	28.35
73.09	25TH	28.78
74.11	30TH	29.18
75.11	35TH	29.57
76.09	40TH	29.96
77.08	45TH	30.35
78.10	50TH	30.75
79.16	55TH	31.17
80.27	60TH	31.60
81.46	65TH	32.07
82.75	70TH	32.58
84.20	75TH	33.15
85.88	80TH	33.81
87.89	85TH	34.60
90.54	90TH	35.65
94.63	95TH	37.26
97.37	97TH	38.33
99.40	98TH	39.13
102.61	99TH	40.40

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
69.65	1ST	27.42
71.01	2ND	27.96
71.94	3RD	28.32
73.26	5TH	28.84
75.51	10TH	29.73
77.18	15TH	30.39
78.58	20TH	30.94
79.86	25TH	31.44
81.05	30TH	31.91
82.19	35TH	32.36
83.31	40TH	32.80
84.42	45TH	33.24
85.55	50TH	33.68
86.70	55TH	34.13
87.89	60TH	34.60
89.14	65TH	35.09
90.48	70TH	35.62
91.95	75TH	36.20
93.62	80TH	36.86
95.56	85TH	37.62
98.02	90TH	38.59
101.59	95TH	40.00
103.82	97TH	40.87
105.38	98TH	41.49
107.67	99TH	42.39

## (115) WAIST DEPTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.39	MEAN VALUE	8.03
.05	SE(MEAN)	.02
2.49	STD DEVIATION	.98
.04	SE(STD DEV)	.01
30.40	MAXIMUM	11.97
14.70	MINIMUM	5.79

---

SYMMETRY---VETA I = .75  
 KURTOSIS---VETA II = 3.56  
 COEF. OF VARIATION = 12.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.62	MEAN VALUE	8.91
.06	SE(MEAN)	.02
2.56	STD DEVIATION	1.01
.04	SE(STD DEV)	.02
33.20	MAXIMUM	13.07
15.90	MINIMUM	6.26

---

SYMMETRY---VETA I = .61  
 KURTOSIS---VETA II = 3.35  
 COEF. OF VARIATION = 11.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.84	1ST	6.24
16.34	2ND	6.43
16.62	3RD	6.54
16.99	5TH	6.69
17.56	10TH	6.91
17.95	15TH	7.07
18.28	20TH	7.20
18.58	25TH	7.32
18.87	30TH	7.43
19.15	35TH	7.54
19.43	40TH	7.65
19.72	45TH	7.76
20.01	50TH	7.88
20.32	55TH	8.00
20.65	60TH	8.13
21.01	65TH	8.27
21.40	70TH	8.43
21.84	75TH	8.60
22.36	80TH	8.80
22.99	85TH	9.05
23.81	90TH	9.37
25.09	95TH	9.88
25.93	97TH	10.21
26.55	98TH	10.45
27.50	99TH	10.83

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.91	1ST	7.05
18.32	2ND	7.21
18.59	3RD	7.32
18.95	5TH	7.46
19.56	10TH	7.70
20.01	15TH	7.88
20.39	20TH	8.03
20.74	25TH	8.16
21.06	30TH	8.29
21.37	35TH	8.42
21.68	40TH	8.54
21.99	45TH	8.66
22.31	50TH	8.78
22.64	55TH	8.91
22.98	60TH	9.05
23.35	65TH	9.19
23.75	70TH	9.35
24.19	75TH	9.52
24.70	80TH	9.72
25.30	85TH	9.96
26.09	90TH	10.27
27.28	95TH	10.74
28.06	97TH	11.05
28.62	98TH	11.27
29.50	99TH	11.61

(116) WAIST FRONT LENGTH (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.17	MEAN VALUE	12.27
.05	SE(MEAN)	.02
2.35	STD DEVIATION	.92
.04	SE(STD DEV)	.01
40.40	MAXIMUM	15.91
23.80	MINIMUM	9.37

---

SYMMETRY---VETA I = .25  
KURTOSIS---VETA II = 3.22  
COEF. OF VARIATION = 7.5%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
34.57	MEAN VALUE	13.61
.05	SE(MEAN)	.02
2.18	STD DEVIATION	.86
.04	SE(STD DEV)	.01
42.40	MAXIMUM	16.69
27.80	MINIMUM	10.94

---

SYMMETRY---VETA I = .08  
KURTOSIS---VETA II = 3.05  
COEF. OF VARIATION = 6.3%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.09	1ST	10.27
26.64	2ND	10.49
27.00	3RD	10.63
27.49	5TH	10.82
28.25	10TH	11.12
28.78	15TH	11.33
29.20	20TH	11.50
29.57	25TH	11.64
29.90	30TH	11.77
30.21	35TH	11.89
30.50	40TH	12.01
30.79	45TH	12.12
31.08	50TH	12.23
31.37	55TH	12.35
31.66	60TH	12.47
31.97	65TH	12.59
32.31	70TH	12.72
32.67	75TH	12.86
33.08	80TH	13.03
33.57	85TH	13.22
34.21	90TH	13.47
35.20	95TH	13.86
35.87	97TH	14.12
36.38	98TH	14.32
37.22	99TH	14.65

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.70	1ST	11.69
30.18	2ND	11.88
30.50	3RD	12.01
30.97	5TH	12.19
31.74	10TH	12.50
32.28	15TH	12.71
32.71	20TH	12.88
33.08	25TH	13.02
33.41	30TH	13.15
33.72	35TH	13.28
34.01	40TH	13.39
34.29	45TH	13.50
34.57	50TH	13.61
34.84	55TH	13.72
35.12	60TH	13.83
35.40	65TH	13.94
35.70	70TH	14.06
36.02	75TH	14.18
36.38	80TH	14.32
36.80	85TH	14.49
37.33	90TH	14.70
38.14	95TH	15.01
38.68	97TH	15.23
39.10	98TH	15.39
39.78	99TH	15.66

## (117) WAIST FRONT LENGTH (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.98	MEAN VALUE	15.35
.05	SE(MEAN)	.02
2.23	STD DEVIATION	.38
.03	SE(STD DEV)	.01
48.10	MAXIMUM	18.94
32.30	MINIMUM	12.72

---

SYMMETRY---VETA I = .28  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
41.45	MEAN VALUE	16.32
.06	SE(MEAN)	.02
2.45	STD DEVIATION	.96
.04	SE(STD DEV)	.02
52.10	MAXIMUM	20.51
34.00	MINIMUM	13.39

---

SYMMETRY---VETA I = .34  
 KURTOSIS---VETA II = 3.52  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.24	1ST	13.48
34.69	2ND	13.66
35.00	3RD	13.78
35.45	5TH	13.96
36.17	10TH	14.24
36.68	15TH	14.44
37.09	20TH	14.60
37.45	25TH	14.74
37.77	30TH	14.87
38.07	35TH	14.99
38.35	40TH	15.10
38.63	45TH	15.21
38.90	50TH	15.32
39.18	55TH	15.43
39.46	60TH	15.54
39.75	65TH	15.65
40.06	70TH	15.77
40.40	75TH	15.91
40.79	80TH	16.06
41.25	85TH	16.24
41.85	90TH	16.47
42.79	95TH	16.85
43.45	97TH	17.11
43.97	98TH	17.31
44.84	99TH	17.65

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
36.10	1ST	14.21
36.71	2ND	14.45
37.10	3RD	14.60
37.62	5TH	14.81
38.43	10TH	15.13
38.98	15TH	15.35
39.41	20TH	15.52
39.79	25TH	15.66
40.13	30TH	15.80
40.44	35TH	15.92
40.74	40TH	16.04
41.04	45TH	16.16
41.33	50TH	16.27
41.63	55TH	16.39
41.93	60TH	16.51
42.25	65TH	16.63
42.59	70TH	16.77
42.97	75TH	16.92
43.40	80TH	17.09
43.92	85TH	17.29
44.61	90TH	17.56
45.69	95TH	17.99
46.46	97TH	18.29
47.05	98TH	18.52
48.04	99TH	18.91

(118) WAIST HEIGHT (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
105.65	MEAN VALUE	41.60
.11	SE(MEAN)	.04
5.17	STD DEVIATION	2.04
.08	SE(STD DEV)	.03
123.40	MAXIMUM	48.58
86.30	MINIMUM	33.98

---

SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 3.11  
COEF. OF VARIATION = 4.9%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
112.71	MEAN VALUE	44.37
.12	SE(MEAN)	.05
5.20	STD DEVIATION	2.05
.09	SE(STD DEV)	.03
134.80	MAXIMUM	53.07
91.70	MINIMUM	36.10

---

SYMMETRY---VETA I = .12  
KURTOSIS---VETA II = 3.20  
COEF. OF VARIATION = 4.6%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
94.14	1ST	37.06
95.39	2ND	37.56
96.20	3RD	37.88
97.32	5TH	38.32
99.09	10TH	39.01
100.30	15TH	39.49
101.26	20TH	39.87
102.10	25TH	40.20
102.86	30TH	40.50
103.56	35TH	40.77
104.23	40TH	41.04
104.88	45TH	41.29
105.53	50TH	41.55
106.18	55TH	41.80
106.84	60TH	42.06
107.52	65TH	42.33
108.25	70TH	42.62
109.04	75TH	42.93
109.93	80TH	43.28
110.97	85TH	43.69
112.31	90TH	44.22
114.33	95TH	45.01
115.67	97TH	45.54
116.68	98TH	45.94
118.30	99TH	46.58

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
100.91	1ST	39.73
102.28	2ND	40.27
103.15	3RD	40.61
104.31	5TH	41.07
106.11	10TH	41.78
107.33	15TH	42.26
108.30	20TH	42.64
109.15	25TH	42.97
109.91	30TH	43.27
110.62	35TH	43.55
111.29	40TH	43.82
111.95	45TH	44.07
112.60	50TH	44.33
113.26	55TH	44.59
113.92	60TH	44.85
114.62	65TH	45.13
115.35	70TH	45.41
116.15	75TH	45.73
117.05	80TH	46.08
118.08	85TH	46.49
119.40	90TH	47.01
121.34	95TH	47.77
122.58	97TH	48.26
123.48	98TH	48.61
124.86	99TH	49.16

## (119) WAIST HEIGHT (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
98.21	MEAN VALUE	38.67
.10	SE(MEAN)	.04
4.88	STD DEVIATION	1.92
.07	SE(STD DEV)	.03
117.50	MAXIMUM	46.26
80.20	MINIMUM	31.57

---

SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
105.88	MEAN VALUE	41.69
.12	SE(MEAN)	.05
5.09	STD DEVIATION	2.00
.09	SE(STD DEV)	.03
130.50	MAXIMUM	51.38
86.00	MINIMUM	33.86

---

SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.35  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
86.89	1ST	34.21
88.30	2ND	34.76
89.16	3RD	35.10
90.30	5TH	35.55
92.01	10TH	36.23
93.16	15TH	36.68
94.07	20TH	37.03
94.86	25TH	37.34
95.57	30TH	37.62
96.23	35TH	37.88
96.86	40TH	38.13
97.48	45TH	38.38
98.09	50TH	38.62
98.71	55TH	38.86
99.35	60TH	39.11
100.01	65TH	39.37
100.71	70TH	39.65
101.48	75TH	39.95
102.34	80TH	40.29
103.34	85TH	40.69
104.61	90TH	41.19
106.47	95TH	41.92
107.65	97TH	42.38
108.49	98TH	42.71
109.76	99TH	43.21

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
94.20	1ST	37.09
95.61	2ND	37.64
96.49	3RD	37.99
97.67	5TH	38.45
99.46	10TH	39.16
100.67	15TH	39.63
101.63	20TH	40.01
102.45	25TH	40.34
103.20	30TH	40.63
103.89	35TH	40.90
104.54	40TH	41.16
105.18	45TH	41.41
105.82	50TH	41.66
106.45	55TH	41.91
107.10	60TH	42.17
107.77	65TH	42.43
108.48	70TH	42.71
109.26	75TH	43.01
110.12	80TH	43.36
111.13	85TH	43.75
112.40	90TH	44.25
114.26	95TH	44.98
115.45	97TH	45.45
116.31	98TH	45.79
117.63	99TH	46.31

(120) WAIST HEIGHT, SITTING (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.95	MEAN VALUE	11.01
.05	SE(MEAN)	.02
2.14	STD DEVIATION	.84
.03	SE(STD DEV)	.01
36.00	MAXIMUM	14.17
20.80	MINIMUM	8.19

---

SYMMETRY---VETA I = -.04  
KURTOSIS---VETA II = 2.99  
COEF. OF VARIATION = 7.6%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.73	MEAN VALUE	11.31
.04	SE(MEAN)	.02
1.66	STD DEVIATION	.65
.03	SE(STD DEV)	.01
34.70	MAXIMUM	13.66
23.10	MINIMUM	9.09

---

SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 3.32  
COEF. OF VARIATION = 5.8%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.81	1ST	8.98
23.48	2ND	9.24
23.88	3RD	9.40
24.42	5TH	9.61
25.22	10TH	9.93
25.75	15TH	10.14
26.16	20TH	10.30
26.52	25TH	10.44
26.84	30TH	10.57
27.14	35TH	10.69
27.42	40TH	10.80
27.70	45TH	10.90
27.97	50TH	11.01
28.24	55TH	11.12
28.51	60TH	11.23
28.80	65TH	11.34
29.10	70TH	11.46
29.42	75TH	11.58
29.78	80TH	11.73
30.20	85TH	11.89
30.72	90TH	12.09
31.46	95TH	12.39
31.92	97TH	12.57
32.25	98TH	12.70
32.73	99TH	12.89

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.79	1ST	9.76
25.31	2ND	9.96
25.63	3RD	10.09
26.04	5TH	10.25
26.66	10TH	10.50
27.06	15TH	10.65
27.37	20TH	10.78
27.64	25TH	10.88
27.88	30TH	10.98
28.10	35TH	11.06
28.30	40TH	11.14
28.51	45TH	11.22
28.70	50TH	11.30
28.90	55TH	11.38
29.11	60TH	11.46
29.32	65TH	11.54
29.55	70TH	11.63
29.79	75TH	11.73
30.07	80TH	11.84
30.41	85TH	11.97
30.84	90TH	12.14
31.50	95TH	12.40
31.95	97TH	12.58
32.29	98TH	12.71
32.85	99TH	12.93



(121) WAIST HEIGHT, SITTING (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.76	MEAN VALUE	8.96
.03	SE(MEAN)	.01
1.51	STD DEVIATION	.60
.02	SE(STD DEV)	.01
27.50	MAXIMUM	10.83
17.70	MINIMUM	6.97

---

SYMMETRY---VETA I = -.08  
KURTOSIS---VETA II = 2.99  
COEF. OF VARIATION = 6.7%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.46	MEAN VALUE	9.23
.04	SE(MEAN)	.01
1.52	STD DEVIATION	.60
.03	SE(STD DEV)	.01
28.50	MAXIMUM	11.22
17.40	MINIMUM	6.85

---

SYMMETRY---VETA I = -.07  
KURTOSIS---VETA II = 3.04  
COEF. OF VARIATION = 6.5%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.02	1ST	7.49
19.54	2ND	7.69
19.85	3RD	7.81
20.25	5TH	7.97
20.83	10TH	8.20
21.21	15TH	8.35
21.51	20TH	8.47
21.76	25TH	8.57
21.98	30TH	8.65
22.19	35TH	8.74
22.39	40TH	8.81
22.58	45TH	8.89
22.76	50TH	8.96
22.95	55TH	9.04
23.14	60TH	9.11
23.34	65TH	9.19
23.55	70TH	9.27
23.78	75TH	9.36
24.04	80TH	9.46
24.33	85TH	9.58
24.70	90TH	9.73
25.24	95TH	9.94
25.58	97TH	10.07
25.82	98TH	10.16
26.17	99TH	10.30

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.94	1ST	7.85
20.36	2ND	8.02
20.62	3RD	8.12
20.98	5TH	8.26
21.52	10TH	8.47
21.88	15TH	8.61
22.17	20TH	8.73
22.42	25TH	8.83
22.65	30TH	8.92
22.86	35TH	9.00
23.06	40TH	9.08
23.26	45TH	9.16
23.45	50TH	9.23
23.65	55TH	9.31
23.85	60TH	9.39
24.05	65TH	9.47
24.27	70TH	9.56
24.51	75TH	9.65
24.77	80TH	9.75
25.07	85TH	9.87
25.44	90TH	10.02
25.97	95TH	10.22
26.29	97TH	10.35
26.51	98TH	10.44
26.83	99TH	10.56

## (122) WAIST-HIP LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.84	MEAN VALUE	5.84
.05	SE(MEAN)	.02
2.13	STD DEVIATION	.84
.03	SE(STD DEV)	.01
21.60	MAXIMUM	8.50
7.70	MINIMUM	3.03

---

SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 2.92  
 COEF. OF VARIATION = 14.3%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.68	MEAN VALUE	6.96
.05	SE(MEAN)	.02
2.04	STD DEVIATION	.80
.03	SE(STD DEV)	.01
24.10	MAXIMUM	9.49
12.00	MINIMUM	4.72

---

SYMMETRY---VETA I = -.09  
 KURTOSIS---VETA II = 2.89  
 COEF. OF VARIATION = 11.6%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.08	1ST	3.97
10.54	2ND	4.15
10.86	3RD	4.28
11.32	5TH	4.46
12.07	10TH	4.75
12.60	15TH	4.96
13.02	20TH	5.13
13.39	25TH	5.27
13.72	30TH	5.40
14.02	35TH	5.52
14.31	40TH	5.63
14.59	45TH	5.74
14.86	50TH	5.85
15.13	55TH	5.96
15.40	60TH	6.06
15.68	65TH	6.17
15.97	70TH	6.29
16.28	75TH	6.41
16.63	80TH	6.55
17.03	85TH	6.71
17.54	90TH	6.91
18.30	95TH	7.21
18.81	97TH	7.40
19.19	98TH	7.55
19.81	99TH	7.80

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.68	1ST	4.99
13.30	2ND	5.24
13.69	3RD	5.39
14.22	5TH	5.60
15.01	10TH	5.91
15.54	15TH	6.12
15.96	20TH	6.28
16.32	25TH	6.42
16.63	30TH	6.55
16.92	35TH	6.66
17.20	40TH	6.77
17.46	45TH	6.87
17.72	50TH	6.98
17.98	55TH	7.08
18.24	60TH	7.18
18.51	65TH	7.29
18.78	70TH	7.40
19.08	75TH	7.51
19.42	80TH	7.64
19.80	85TH	7.79
20.27	90TH	7.98
20.96	95TH	8.25
21.39	97TH	8.42
21.70	98TH	8.54
22.18	99TH	8.73

## (123) WAIST (NATURAL INDENTATION)-WAIST (OMPHALION) LENGTH

## FEMALE

<u>CENTIMETERS</u>	<u>INCHES</u>
7.57 MEAN VALUE	2.98
.05 SE(MEAN)	.02
2.13 STD DEVIATION	.84
.03 SE(STD DEV)	.01
15.50 MAXIMUM	6.10
.70 MINIMUM	.28

---

SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.35  
 COEF. OF VARIATION = 28.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>	<u>INCHES</u>
6.98 MEAN VALUE	2.75
.04 SE(MEAN)	.02
1.84 STD DEVIATION	.72
.03 SE(STD DEV)	.01
13.30 MAXIMUM	5.24
1.60 MINIMUM	.63

---

SYMMETRY---VETA I = .34  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 26.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
2.57 1ST	1.01
3.28 2ND	1.29
3.69 3RD	1.45
4.21 5TH	1.66
4.96 10TH	1.95
5.44 15TH	2.14
5.82 20TH	2.29
6.14 25TH	2.42
6.43 30TH	2.53
6.70 35TH	2.64
6.96 40TH	2.74
7.21 45TH	2.84
7.47 50TH	2.94
7.72 55TH	3.04
7.99 60TH	3.15
8.27 65TH	3.26
8.58 70TH	3.38
8.91 75TH	3.51
9.30 80TH	3.66
9.75 85TH	3.84
10.35 90TH	4.07
11.26 95TH	4.43
11.87 97TH	4.67
12.32 98TH	4.85
13.02 99TH	5.13

## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
3.04 1ST	1.20
3.48 2ND	1.37
3.76 3RD	1.48
4.14 5TH	1.63
4.72 10TH	1.86
5.11 15TH	2.01
5.43 20TH	2.14
5.70 25TH	2.25
5.95 30TH	2.34
6.19 35TH	2.44
6.41 40TH	2.53
6.64 45TH	2.61
6.86 50TH	2.70
7.09 55TH	2.79
7.32 60TH	2.88
7.57 65TH	2.98
7.83 70TH	3.08
8.12 75TH	3.20
8.46 80TH	3.33
8.86 85TH	3.49
9.38 90TH	3.69
10.20 95TH	4.02
10.76 97TH	4.24
11.19 98TH	4.40
11.88 99TH	4.68

## (124) WEIGHT

## FEMALE

<u>KILOGRAMS</u>		<u>POUNDS</u>
62.01	MEAN VALUE	136.72
.18	SE(MEAN)	.39
8.35	STD DEVIATION	18.41
.13	SE(STD DEV)	.28
96.70	MAXIMUM	213.19
41.30	MINIMUM	91.05

---

SYMMETRY---VETA I = .53  
 KURTOSIS---VETA II = 3.51  
 COEF. OF VARIATION = 13.5%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>KILOGRAMS</u>		<u>POUNDS</u>
78.49	MEAN VALUE	173.03
.26	SE(MEAN)	.58
11.10	STD DEVIATION	24.48
.19	SE(STD DEV)	.41
127.80	MAXIMUM	281.75
47.60	MINIMUM	104.94

---

SYMMETRY---VETA I = .43  
 KURTOSIS---VETA II = 3.40  
 COEF. OF VARIATION = 14.1%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>KILOGRAMS</u>		<u>POUNDS</u>
45.24	1ST	99.73
47.02	2ND	103.66
48.13	3RD	106.11
49.64	5TH	109.43
51.98	10TH	114.60
53.61	15TH	118.19
54.94	20TH	121.12
56.12	25TH	123.72
57.20	30TH	126.12
58.24	35TH	128.39
59.24	40TH	130.60
60.24	45TH	132.80
61.25	50TH	135.03
62.29	55TH	137.32
63.37	60TH	139.70
64.51	65TH	142.22
65.75	70TH	144.95
67.13	75TH	147.99
68.72	80TH	151.50
70.62	85TH	155.68
73.11	90TH	161.19
76.98	95TH	169.72
79.59	97TH	175.48
81.56	98TH	179.81
84.70	99TH	186.74

## THE PERCENTILES

<u>KILOGRAMS</u>		<u>POUNDS</u>
55.27	1ST	121.86
57.83	2ND	127.50
59.43	3RD	131.03
61.59	5TH	135.78
64.93	10TH	143.14
67.22	15TH	148.20
69.08	20TH	152.28
70.71	25TH	155.89
72.21	30TH	159.19
73.61	35TH	162.29
74.98	40TH	165.30
76.33	45TH	168.27
77.69	50TH	171.27
79.07	55TH	174.33
80.50	60TH	177.48
82.02	65TH	180.82
83.64	70TH	184.40
85.45	75TH	188.38
87.51	80TH	192.94
89.96	85TH	198.34
93.16	90TH	205.39
98.07	95TH	216.21
101.35	97TH	223.44
103.80	98TH	228.85
107.71	99TH	237.46

(125) WRIST-CENTER OF GRIP LENGTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.63	MEAN VALUE	2.61
.01	SE(MEAN)	.00
.49	STD DEVIATION	.19
.01	SE(STD DEV)	.00
8.30	MAXIMUM	3.27
5.20	MINIMUM	2.05

---

SYMMETRY---VETA I = .26  
KURTOSIS---VETA II = 2.90  
COEF. OF VARIATION = 7.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.97	MEAN VALUE	2.75
.01	SE(MEAN)	.00
.49	STD DEVIATION	.19
.01	SE(STD DEV)	.00
8.70	MAXIMUM	3.43
5.70	MINIMUM	2.24

---

SYMMETRY---VETA I = .33  
KURTOSIS---VETA II = 2.87  
COEF. OF VARIATION = 7.0%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.57	1ST	2.19
5.69	2ND	2.24
5.77	3RD	2.27
5.87	5TH	2.31
6.02	10TH	2.37
6.12	15TH	2.41
6.21	20TH	2.44
6.28	25TH	2.47
6.35	30TH	2.50
6.41	35TH	2.52
6.47	40TH	2.55
6.54	45TH	2.57
6.60	50TH	2.60
6.66	55TH	2.62
6.73	60TH	2.65
6.80	65TH	2.68
6.87	70TH	2.70
6.95	75TH	2.74
7.04	80TH	2.77
7.15	85TH	2.81
7.29	90TH	2.87
7.49	95TH	2.95
7.62	97TH	3.00
7.71	98TH	3.04
7.85	99TH	3.09

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.99	1ST	2.36
6.08	2ND	2.40
6.15	3RD	2.42
6.23	5TH	2.45
6.37	10TH	2.51
6.47	15TH	2.55
6.55	20TH	2.58
6.62	25TH	2.61
6.69	30TH	2.63
6.75	35TH	2.66
6.82	40TH	2.68
6.88	45TH	2.71
6.94	50TH	2.73
7.01	55TH	2.76
7.07	60TH	2.78
7.14	65TH	2.81
7.22	70TH	2.84
7.30	75TH	2.87
7.39	80TH	2.91
7.50	85TH	2.95
7.63	90TH	3.00
7.83	95TH	3.08
7.95	97TH	3.13
8.04	98TH	3.16
8.16	99TH	3.21

## (126) WRIST CIRCUMFERENCE

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.12	MEAN VALUE	5.95
.01	SE(MEAN)	.01
.69	STD DEVIATION	.27
.01	SE(STD DEV)	.00
17.40	MAXIMUM	6.85
12.90	MINIMUM	5.08

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.42	MEAN VALUE	6.86
.02	SE(MEAN)	.01
.83	STD DEVIATION	.33
.01	SE(STD DEV)	.01
20.40	MAXIMUM	8.03
14.30	MINIMUM	5.63

---

SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.61	1ST	5.36
13.78	2ND	5.43
13.89	3RD	5.47
14.03	5TH	5.52
14.26	10TH	5.61
14.41	15TH	5.67
14.54	20TH	5.72
14.65	25TH	5.77
14.74	30TH	5.80
14.84	35TH	5.84
14.92	40TH	5.88
15.01	45TH	5.91
15.10	50TH	5.94
15.18	55TH	5.98
15.27	60TH	6.01
15.37	65TH	6.05
15.46	70TH	6.09
15.57	75TH	6.13
15.69	80TH	6.18
15.84	85TH	6.23
16.02	90TH	6.31
16.29	95TH	6.42
16.47	97TH	6.49
16.61	98TH	6.54
16.82	99TH	6.62

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.59	1ST	6.14
15.81	2ND	6.23
15.95	3RD	6.28
16.13	5TH	6.35
16.40	10TH	6.46
16.59	15TH	6.53
16.73	20TH	6.59
16.86	25TH	6.64
16.98	30TH	6.68
17.09	35TH	6.73
17.19	40TH	6.77
17.29	45TH	6.81
17.40	50TH	6.85
17.50	55TH	6.89
17.61	60TH	6.93
17.72	65TH	6.98
17.84	70TH	7.02
17.97	75TH	7.07
18.12	80TH	7.13
18.29	85TH	7.20
18.51	90TH	7.29
18.84	95TH	7.42
19.05	97TH	7.50
19.21	98TH	7.56
19.44	99TH	7.66

## (127) WRIST HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
79.03	MEAN VALUE	31.11
.08	SE(MEAN)	.03
3.86	STD DEVIATION	1.52
.06	SE(STD DEV)	.02
93.90	MAXIMUM	36.97
67.30	MINIMUM	26.50

---

SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 2.92  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
84.65	MEAN VALUE	33.33
.10	SE(MEAN)	.04
4.15	STD DEVIATION	1.63
.07	SE(STD DEV)	.03
100.50	MAXIMUM	39.57
70.20	MINIMUM	27.64

---

SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
70.80	1ST	27.87
71.53	2ND	28.16
72.04	3RD	28.36
72.79	5TH	28.66
74.04	10TH	29.15
74.94	15TH	29.50
75.67	20TH	29.79
76.31	25TH	30.04
76.89	30TH	30.27
77.43	35TH	30.48
77.95	40TH	30.69
78.45	45TH	30.89
78.95	50TH	31.08
79.45	55TH	31.28
79.95	60TH	31.48
80.48	65TH	31.68
81.03	70TH	31.90
81.63	75TH	32.14
82.29	80TH	32.40
83.07	85TH	32.70
84.05	90TH	33.09
85.51	95TH	33.67
86.47	97TH	34.04
87.19	98TH	34.33
88.34	99TH	34.78

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
74.89	1ST	29.49
76.07	2ND	29.95
76.81	3RD	30.24
77.79	5TH	30.63
79.30	10TH	31.22
80.32	15TH	31.62
81.12	20TH	31.94
81.82	25TH	32.21
82.45	30TH	32.46
83.02	35TH	32.69
83.58	40TH	32.90
84.11	45TH	33.11
84.64	50TH	33.32
85.17	55TH	33.53
85.71	60TH	33.74
86.27	65TH	33.96
86.86	70TH	34.20
87.49	75TH	34.45
88.20	80TH	34.73
89.02	85TH	35.05
90.04	90TH	35.45
91.52	95TH	36.03
92.44	97TH	36.40
93.10	98TH	36.65
94.09	99TH	37.04

## (128) WRIST HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
47.13	MEAN VALUE	18.55
.07	SE(MEAN)	.03
3.44	STD DEVIATION	1.36
.05	SE(STD DEV)	.02
57.20	MAXIMUM	22.52
35.50	MINIMUM	13.98

---

SYMMETRY---VETA I = -.11  
 KURTOSIS---VETA II = 2.71  
 COEF. OF VARIATION = 7.3%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
45.98	MEAN VALUE	18.10
.08	SE(MEAN)	.03
3.52	STD DEVIATION	1.39
.06	SE(STD DEV)	.02
55.90	MAXIMUM	22.01
34.30	MINIMUM	13.50

---

SYMMETRY---VETA I = -.24  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 7.7%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
39.46	1ST	15.53
40.09	2ND	15.78
40.57	3RD	15.97
41.29	5TH	16.25
42.52	10TH	16.74
43.40	15TH	17.09
44.12	20TH	17.37
44.75	25TH	17.62
45.31	30TH	17.84
45.83	35TH	18.04
46.32	40TH	18.24
46.79	45TH	18.42
47.25	50TH	18.60
47.71	55TH	18.78
48.16	60TH	18.96
48.62	65TH	19.14
49.10	70TH	19.33
49.61	75TH	19.53
50.16	80TH	19.75
50.79	85TH	19.99
51.56	90TH	20.30
52.66	95TH	20.73
53.37	97TH	21.01
53.89	98TH	21.22
54.72	99TH	21.54

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
37.13	1ST	14.62
38.19	2ND	15.04
38.88	3RD	15.31
39.84	5TH	15.68
41.32	10TH	16.27
42.30	15TH	16.66
43.07	20TH	16.96
43.72	25TH	17.21
44.29	30TH	17.44
44.81	35TH	17.64
45.29	40TH	17.83
45.74	45TH	18.01
46.19	50TH	18.18
46.62	55TH	18.35
47.05	60TH	18.52
47.49	65TH	18.70
47.94	70TH	18.88
48.43	75TH	19.07
48.96	80TH	19.28
49.57	85TH	19.52
50.34	90TH	19.82
51.50	95TH	20.27
52.27	97TH	20.58
52.87	98TH	20.82
53.88	99TH	21.21



## (129) WRIST-INDEX FINGER LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.92	MEAN VALUE	6.66
.02	SE(MEAN)	.01
.89	STD DEVIATION	.35
.01	SE(STD DEV)	.01
20.20	MAXIMUM	7.95
14.00	MINIMUM	5.51

---

SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.08	MEAN VALUE	7.12
.02	SE(MEAN)	.01
.91	STD DEVIATION	.36
.02	SE(STD DEV)	.01
21.60	MAXIMUM	8.50
14.80	MINIMUM	5.83

---

SYMMETRY---VETA I = .22  
 KURTOSIS---VETA II = 3.27  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.90	1ST	5.86
15.12	2ND	5.95
15.27	3RD	6.01
15.48	5TH	6.09
15.79	10TH	6.22
16.01	15TH	6.30
16.18	20TH	6.37
16.33	25TH	6.43
16.46	30TH	6.48
16.58	35TH	6.53
16.69	40TH	6.57
16.80	45TH	6.61
16.91	50TH	6.66
17.02	55TH	6.70
17.13	60TH	6.74
17.24	65TH	6.78
17.36	70TH	6.84
17.50	75TH	6.89
17.65	80TH	6.95
17.82	85TH	7.02
18.05	90TH	7.11
18.41	95TH	7.25
18.66	97TH	7.35
18.86	98TH	7.42
19.19	99TH	7.55

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.06	1ST	6.32
16.32	2ND	6.42
16.47	3RD	6.49
16.68	5TH	6.57
16.98	10TH	6.68
17.18	15TH	6.76
17.33	20TH	6.82
17.47	25TH	6.88
17.60	30TH	6.93
17.71	35TH	6.97
17.82	40TH	7.02
17.93	45TH	7.06
18.04	50TH	7.10
18.16	55TH	7.15
18.27	60TH	7.19
18.39	65TH	7.24
18.52	70TH	7.29
18.67	75TH	7.35
18.83	80TH	7.41
19.02	85TH	7.49
19.27	90TH	7.59
19.64	95TH	7.73
19.88	97TH	7.83
20.06	98TH	7.90
20.34	99TH	8.01

## (130) WRIST-THUMB TIP LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.76	MEAN VALUE	4.63
.01	SE(MEAN)	.01
.67	STD DEVIATION	.26
.01	SE(STD DEV)	.00
14.20	MAXIMUM	5.59
9.60	MINIMUM	3.78

---

SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.44	MEAN VALUE	4.90
.02	SE(MEAN)	.01
.67	STD DEVIATION	.27
.01	SE(STD DEV)	.00
15.10	MAXIMUM	5.94
10.40	MINIMUM	4.09

---

SYMMETRY---VETA I = .23  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.28	1ST	4.05
10.45	2ND	4.11
10.55	3RD	4.16
10.70	5TH	4.21
10.92	10TH	4.30
11.08	15TH	4.36
11.20	20TH	4.41
11.30	25TH	4.45
11.40	30TH	4.49
11.49	35TH	4.52
11.58	40TH	4.56
11.66	45TH	4.59
11.75	50TH	4.62
11.83	55TH	4.66
11.92	60TH	4.69
12.01	65TH	4.73
12.11	70TH	4.77
12.21	75TH	4.81
12.33	80TH	4.85
12.47	85TH	4.91
12.64	90TH	4.98
12.90	95TH	5.08
13.06	97TH	5.14
13.18	98TH	5.19
13.36	99TH	5.26

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.94	1ST	4.31
11.12	2ND	4.38
11.23	3RD	4.42
11.38	5TH	4.48
11.61	10TH	4.57
11.76	15TH	4.63
11.88	20TH	4.68
11.99	25TH	4.72
12.08	30TH	4.76
12.17	35TH	4.79
12.25	40TH	4.82
12.33	45TH	4.86
12.42	50TH	4.89
12.50	55TH	4.92
12.58	60TH	4.95
12.67	65TH	4.99
12.77	70TH	5.03
12.87	75TH	5.07
12.99	80TH	5.11
13.13	85TH	5.17
13.31	90TH	5.24
13.59	95TH	5.35
13.78	97TH	5.43
13.92	98TH	5.48
14.15	99TH	5.57

## (131) WRIST-WALL LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
61.98	MEAN VALUE	24.40
.07	SE(MEAN)	.03
3.21	STD DEVIATION	1.26
.05	SE(STD DEV)	.02
76.30	MAXIMUM	30.04
50.80	MINIMUM	20.00

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
68.09	MEAN VALUE	26.81
.08	SE(MEAN)	.03
3.48	STD DEVIATION	1.37
.06	SE(STD DEV)	.02
83.50	MAXIMUM	32.87
56.50	MINIMUM	22.24

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
55.30	1ST	21.77
55.89	2ND	22.00
56.30	3RD	22.16
56.89	5TH	22.40
57.89	10TH	22.79
58.60	15TH	23.07
59.19	20TH	23.30
59.71	25TH	23.51
60.18	30TH	23.69
60.62	35TH	23.87
61.05	40TH	24.04
61.47	45TH	24.20
61.89	50TH	24.36
62.31	55TH	24.52
62.73	60TH	24.70
63.18	65TH	24.87
63.65	70TH	25.06
64.16	75TH	25.26
64.74	80TH	25.49
65.41	85TH	25.75
66.26	90TH	26.09
67.52	95TH	26.58
68.34	97TH	26.91
68.95	98TH	27.15
69.91	99TH	27.52

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
50.69	1ST	23.90
61.36	2ND	24.16
61.83	3RD	24.34
62.51	5TH	24.61
63.65	10TH	25.06
64.46	15TH	25.38
65.12	20TH	25.64
65.70	25TH	25.86
66.22	30TH	26.07
66.70	35TH	26.26
67.16	40TH	26.44
67.61	45TH	26.62
68.05	50TH	26.79
68.49	55TH	26.96
68.94	60TH	27.14
69.40	65TH	27.32
69.89	70TH	27.52
70.42	75TH	27.73
71.02	80TH	27.96
71.71	85TH	28.23
72.60	90TH	28.58
73.96	95TH	29.12
74.88	97TH	29.48
75.58	98TH	29.75
76.73	99TH	30.21

## (132) WRIST-WALL LENGTH, EXTENDED

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
67.93	MEAN VALUE	26.74
.07	SE(MEAN)	.03
3.43	STD DEVIATION	1.35
.05	SE(STD DEV)	.02
84.50	MAXIMUM	33.27
56.00	MINIMUM	22.05

---

SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 5.16  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
74.84	MEAN VALUE	29.47
.09	SE(MEAN)	.03
3.73	STD DEVIATION	1.47
.06	SE(STD DEV)	.02
90.30	MAXIMUM	35.55
63.00	MINIMUM	24.80

---

SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 5.08  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
60.56	1ST	23.84
61.29	2ND	24.13
61.78	3RD	24.32
62.47	5TH	24.60
63.59	10TH	25.04
64.37	15TH	25.34
65.01	20TH	25.59
65.56	25TH	25.81
66.07	30TH	26.01
66.54	35TH	26.20
66.99	40TH	26.37
67.43	45TH	26.55
67.87	50TH	26.72
68.31	55TH	26.89
68.76	60TH	27.07
69.22	65TH	27.25
69.72	70TH	27.45
70.25	75TH	27.66
70.85	80TH	27.90
71.55	85TH	28.17
72.43	90TH	28.52
73.74	95TH	29.03
74.59	97TH	29.37
75.21	98TH	29.61
76.19	99TH	29.99

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
66.43	1ST	26.15
67.34	2ND	26.51
67.94	3RD	26.75
68.78	5TH	27.08
70.09	10TH	27.59
70.98	15TH	27.95
71.69	20TH	28.23
72.31	25TH	28.47
72.86	30TH	28.69
73.37	35TH	28.89
73.85	40TH	29.08
74.32	45TH	29.26
74.79	50TH	29.44
75.25	55TH	29.63
75.72	60TH	29.81
76.21	65TH	30.00
76.72	70TH	30.20
77.28	75TH	30.43
77.91	80TH	30.67
78.65	85TH	30.97
79.61	90TH	31.34
81.07	95TH	31.92
82.06	97TH	32.31
82.82	98TH	32.61
84.08	99TH	33.10

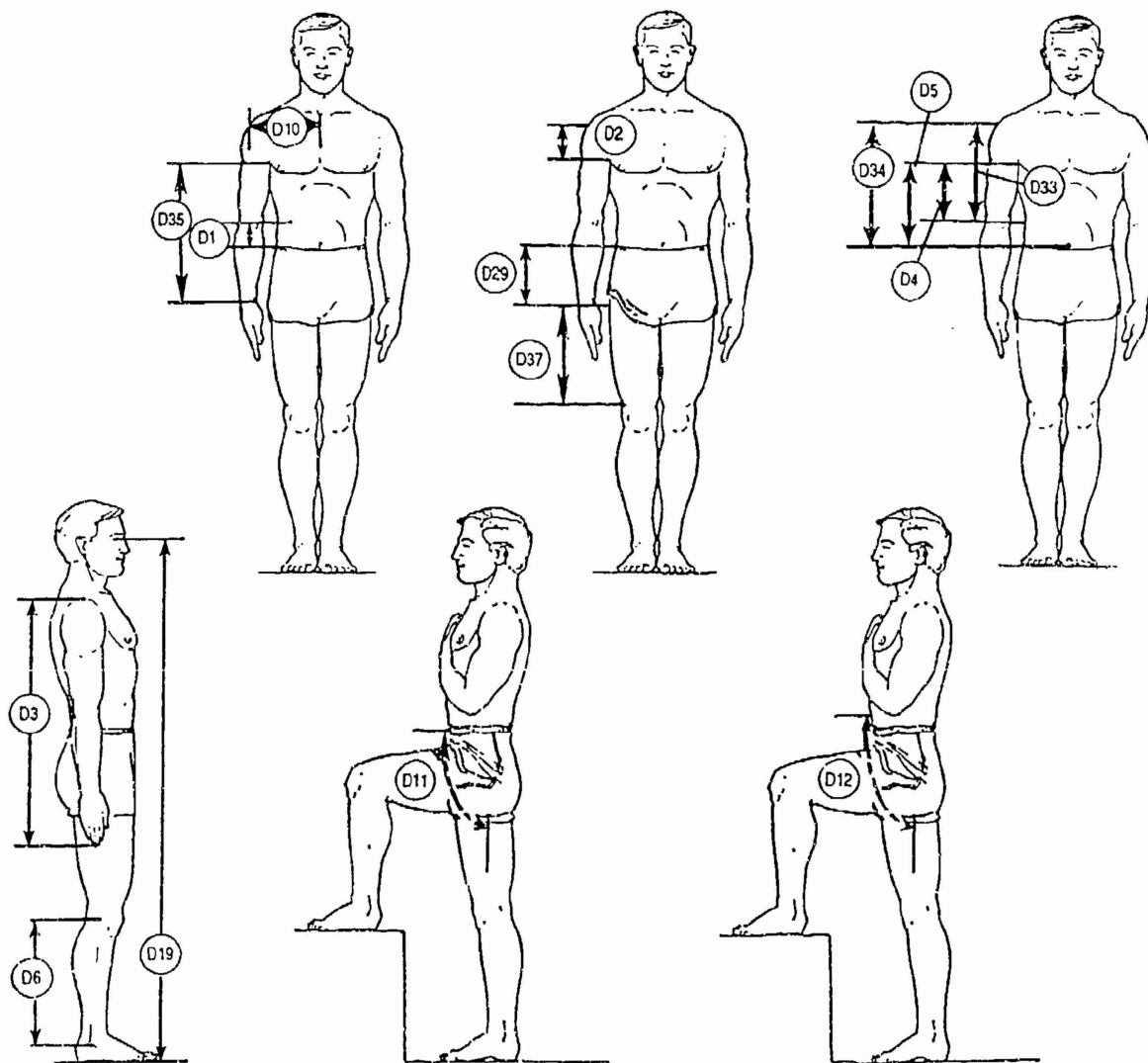
## CHAPTER IV

### THE DERIVED DIMENSIONS

While logistics demand a reasonable limit to the number of dimensions that can be measured in an anthropometric survey, there is an almost infinite number of additional dimensions that can be calculated from the measured data. Some 60 additional dimensions, concentrated in areas applicable to clothing, workspace, and analog design, were derived from the measured dimensions in this survey. These are intended to meet some of the more specialized needs of designers and engineers in these fields, though users should be cautioned that calculated data may not be as consistently reliable as data obtained by direct measurement.

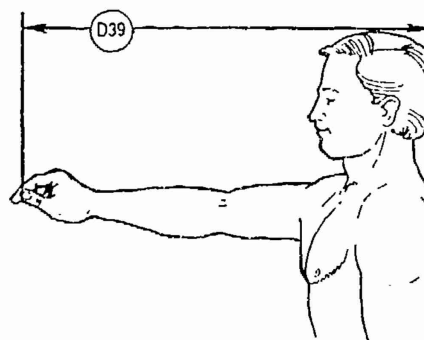
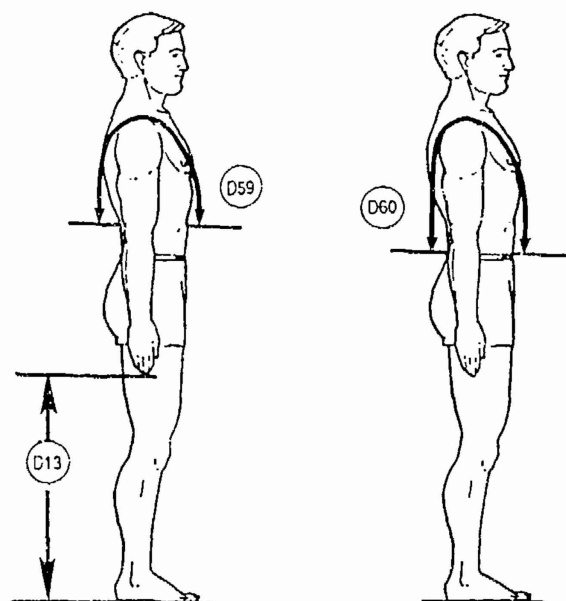
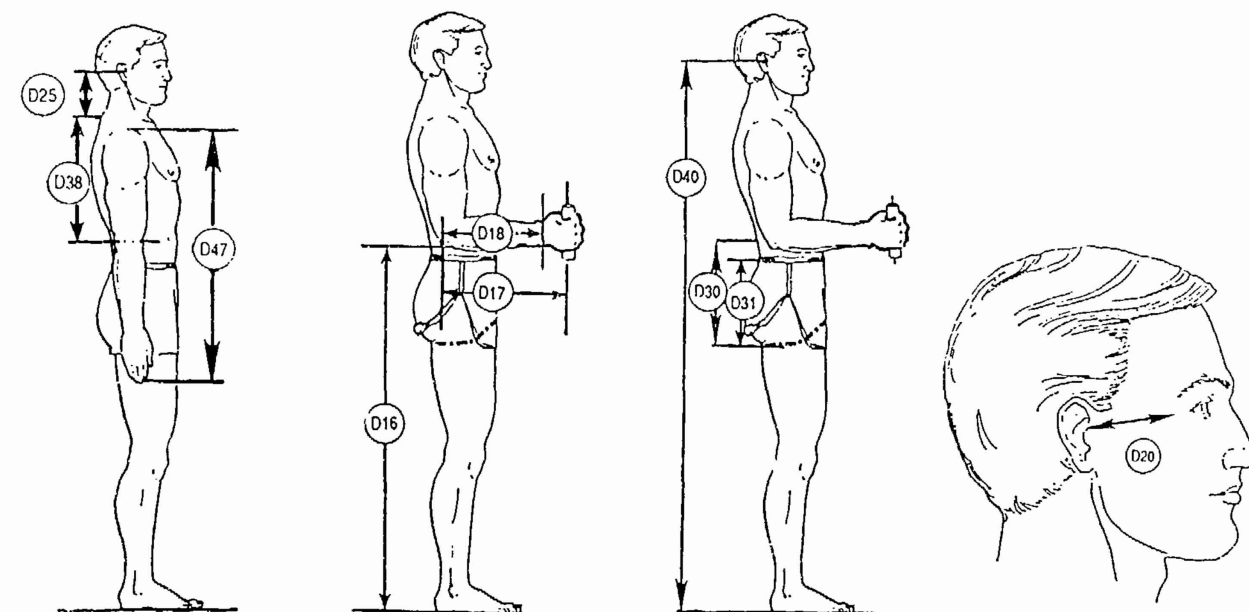
A visual index begins on the next page and is followed by dimension descriptions (page 185) and summary statistics (page 195).

# VISUAL INDEX - DERIVED DIMENSIONS



- |   |   |
|---|---|
| (D1) ABDOMINAL LINK                                 | (D12) CROTCH LENGTH ANTERIOR (OMPHALION)          |
| (D2) ACROMION-AXILLA LENGTH                         | (D19) EYE HEIGHT                                  |
| (D3) ARM LENGTH                                     | (D29) PELVIC LINK                                 |
| (D4) AXILLA-WAIST LENGTH (NATURAL INDENTATION)      | (D33) SHOULDER-WAIST LENGTH (NATURAL INDENTATION) |
| (D5) AXILLA-WAIST LENGTH (OMPHALION)                | (D34) SHOULDER-WAIST LENGTH (OMPHALION)           |
| (D6) CALF LINK                                      | (D35) SLEEVE INSEAM                               |
| (D10) CLAVICLE LINK                                 | (D37) THIGH LINK                                  |
| (D11) CROTCH LENGTH, ANTERIOR (NATURAL INDENTATION) |   |

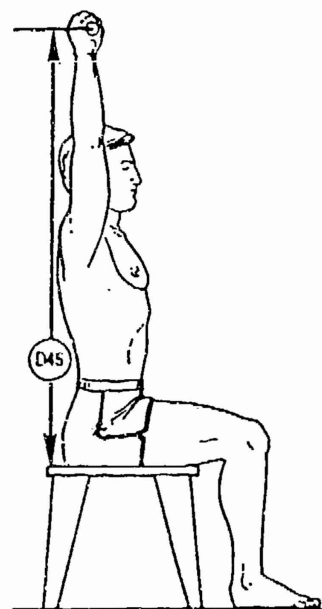
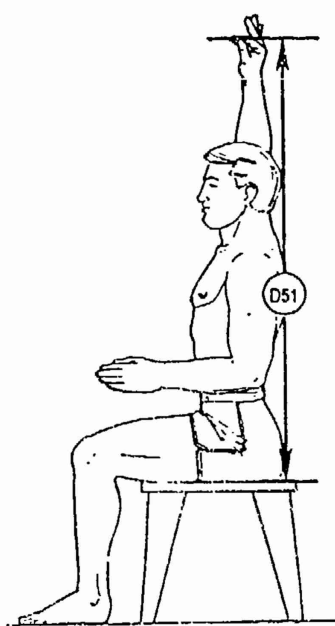
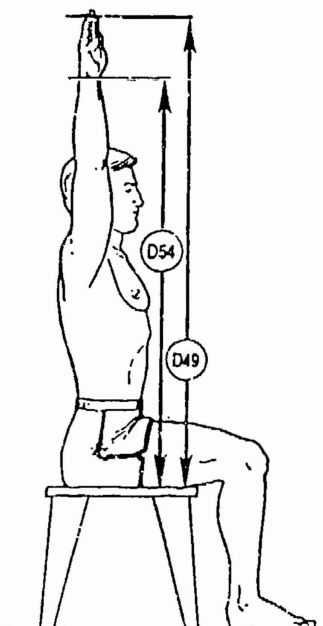
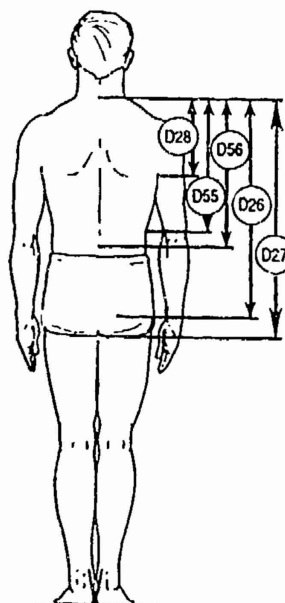
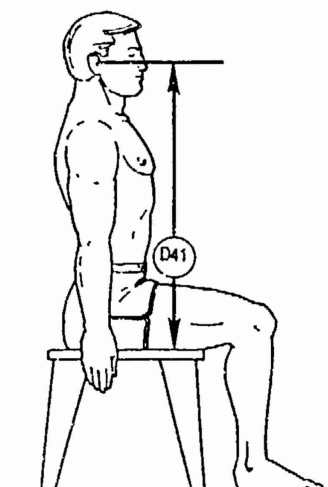
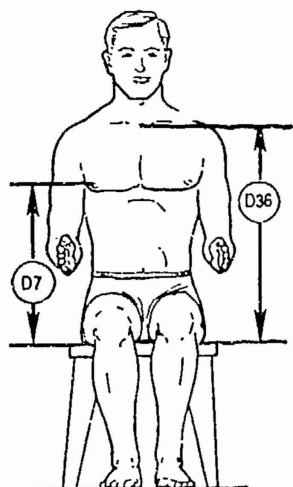
# VISUAL INDEX - DERIVED DIMENSIONS (Continued)



- (D13) DACTYLION HEIGHT
- (D16) ELBOW REST HEIGHT, STANDING
- (D17) ELBOW-CENTER OF GRIP LENGTH
- (D18) ELBOW-WRIST LENGTH
- (D20) EYE-TRAGON LINK

- (D25) NECK LINK
- (D30) RISE (NATURAL INDENTATION)
- (D31) RISE (OMPHALION)
- (D38) THORAX LINK
- (D39) THUMB TIP REACH, EXTENDED
- (D40) TRAGON HEIGHT
- (D47) VERTICAL INDEX FINGERTIP REACH DOWN
- (D59) WAIST-WAIST (NATURAL INDENTATION) OVER SHOULDER
- (D60) WAIST-WAIST (OMPHALION) OVER SHOULDER

# VISUAL INDEX - DERIVED DIMENSIONS (Continued)



(D7) CHEST HEIGHT, SITTING

(D26) NECK-BUTTOCK LENGTH

(D27) NECK-GLUTEAL FURROW LENGTH

(D28) NECK-SCYE LENGTH

(D36) SUPRATERNALE HEIGHT, SITTING

(D41) TRAGON HEIGHT, SITTING

(D45) VERTICAL GRIP REACH, SITTING

(D49) VERTICAL INDEX FINGER TIP REACH, SITTING

(D51) VERTICAL THUMB TIP REACH, SITTING

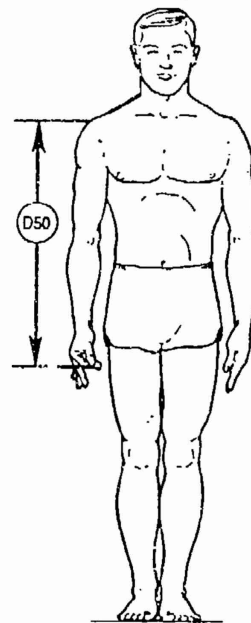
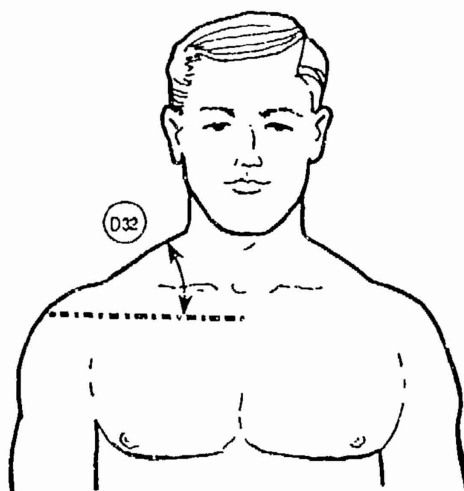
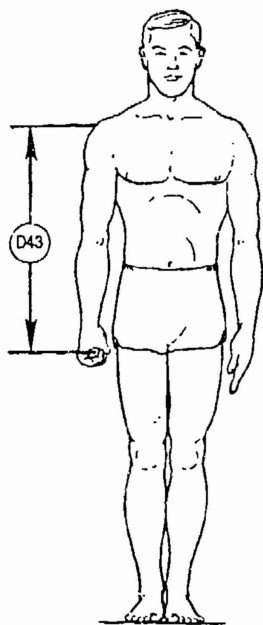
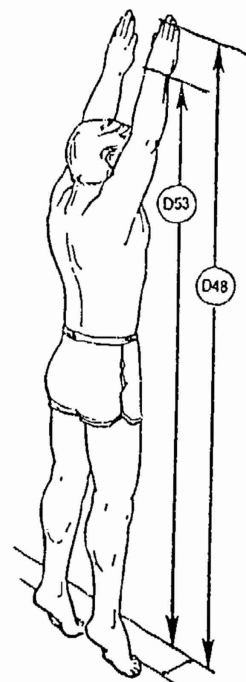
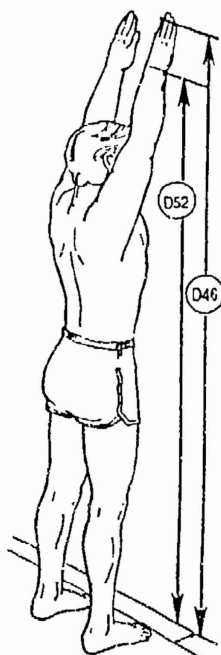
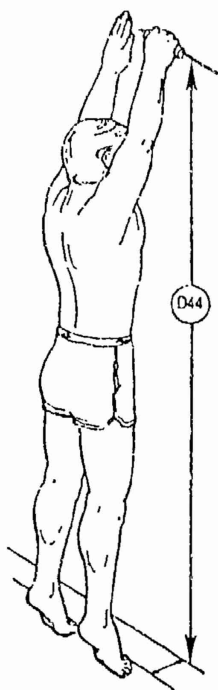
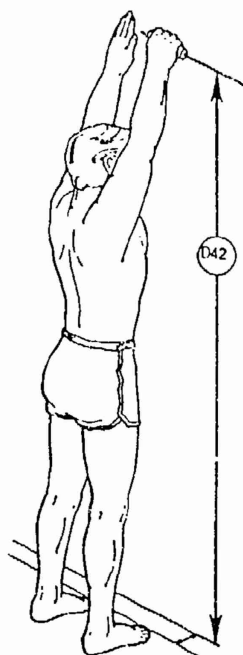
(D54) VERTICAL WRIST HEIGHT, SITTING

(D55) WAIST BACK, VERTICAL (NATURAL INDENTATION)

(D56) WAIST BACK, VERTICAL (OMPHALION)



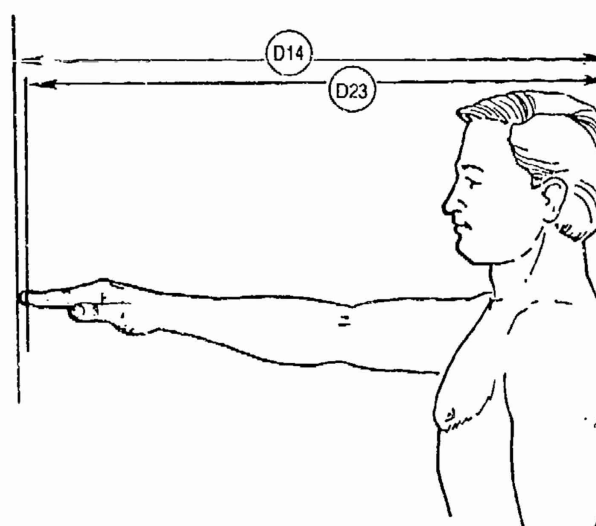
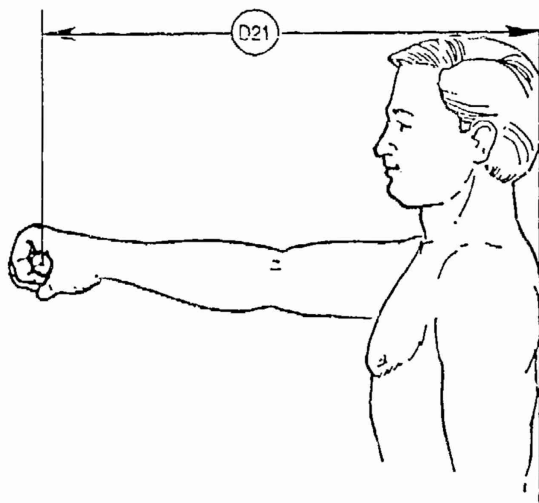
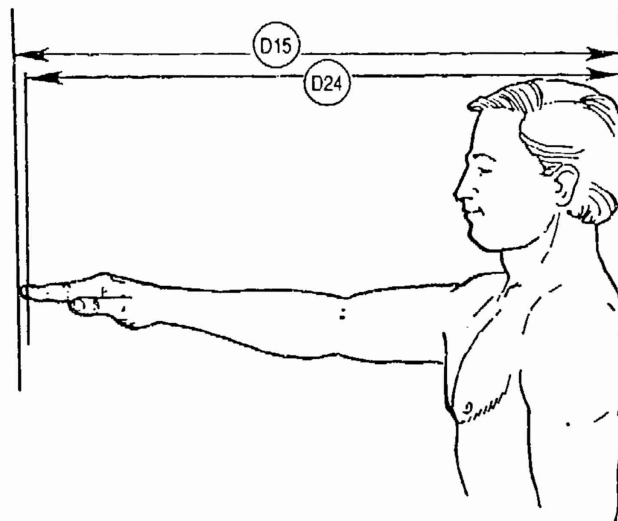
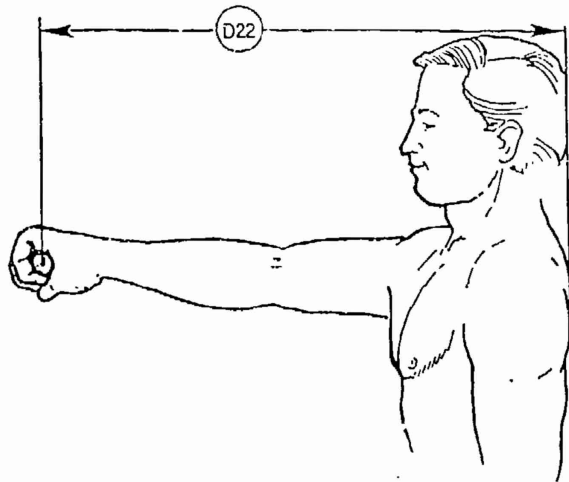
# VISUAL INDEX - DERIVED DIMENSIONS (Continued)



- (D32) SHOULDER SLOPE
- (D42) VERTICAL GRIP REACH
- (D43) VERTICAL GRIP REACH DOWN
- (D44) VERTICAL GRIP REACH, EXTENDED
- (D46) VERTICAL INDEX FINGERTIP REACH

- (D48) VERTICAL INDEX FINGERTIP REACH, EXTENDED
- (D50) VERTICAL THUMB TIP REACH DOWN
- (D52) VERTICAL WRIST HEIGHT
- (D53) VERTICAL WRIST HEIGHT, EXTENDED

# VISUAL INDEX - DERIVED DIMENSIONS (Continued)



- (D14) DACTYLION REACH FROM WALL
- (D15) DACTYLION REACH FROM WALL, EXTENDED
- (D21) FUNCTIONAL GRIP REACH
- (D22) FUNCTIONAL GRIP REACH, EXTENDED
- (D23) INDEX FINGER REACH
- (D24) INDEX FINGER REACH, EXTENDED

## DERIVED VALUES, NOT ILLUSTRATED:

- (D8) CHEST-WAIST DROP, NATURAL INDENTATION
- (D9) CHEST-WAIST DROP, OMPHALION
- (D57) WAIST-BUTTOCK DROP (NATURAL INDENTATION)
- (D58) WAIST-BUTTOCK DROP (OMPHALION)

## DERIVED DIMENSION DESCRIPTIONS

(D1) ABDOMINAL LINK

The vertical distance between the inferior point of the right tenth rib and the superior point of the iliocrestale landmark on the right side of the pelvis is calculated as follows: TENTH RIB HEIGHT minus ILIOCRISTALE HEIGHT.

(D2) ACROMION-AXILLA LENGTH

The vertical distance between the acromion landmark on the tip of the right shoulder and the anterior-scye-on-the-torso landmark of a subject standing erect with the arms relaxed at the sides is calculated as follows: ACROMIAL HEIGHT minus AXILLA HEIGHT.

(D3) ARM LENGTH

The vertical distance between the acromion landmark on the tip of the right shoulder and the tip of the middle finger of a subject standing erect with the arms straight at the sides is calculated as follows: ACROMIAL HEIGHT minus WRIST HEIGHT plus HAND LENGTH.

(D4) AXILLA-WAIST LENGTH (NATURAL INDENTATION)

The vertical distance between the right anterior-scye-on-the-torso landmark and the level of the waist at its natural indentation is calculated as follows: AXILLA HEIGHT minus WAIST HEIGHT (NATURAL INDENTATION).

(D5) AXILLA-WAIST LENGTH (OMPHALION)

The vertical distance between the anterior-scye-on-the-torso landmark and the level of the waist at the navel (omphalion) is calculated as follows: AXILLA HEIGHT minus WAIST HEIGHT (OMPHALION).

(D6) CALF LINK

The vertical distance between the lateral femoral epicondyle landmark on the side of the right knee and the lateral malleolus landmark on the outside of the right ankle is calculated as follows: LATERAL FEMORAL EPICONDYLE HEIGHT minus LATERAL MALLEOLUS HEIGHT.

(D7) CHEST HEIGHT, SITTING

The vertical distance between a sitting surface and the right nipple on men or the right bustpoint on women, sitting erect, is calculated as follows: SITTING HEIGHT minus (STATURE minus CHEST HEIGHT).

(D8) CHEST-WAIST DROP (NATURAL INDENTATION)

The difference between the circumference of the chest and the circumference of the waist at the level of its natural indentation is calculated as follows: CHEST CIRCUMFERENCE minus WAIST CIRCUMFERENCE (NATURAL INDENTATION).

(D9) CHEST-WAIST DROP (OMPHALION)

The difference between the circumference of the chest and the circumference of the waist at the level of the navel (omphalion) is calculated as follows: CHEST CIRCUMFERENCE minus WAIST CIRCUMFERENCE (OMPHALION).

(D10) CLAVICLE LINK

The distance between the midline of the body and the acromion landmark on the tip of the right shoulder is calculated as one-half of BIACROMIAL BREADTH.

(D11) CROTCH LENGTH, ANTERIOR (NATURAL INDENTATION)

The surface distance between the inner thigh landmark and the abdomen at the level of the waist at its natural indentation of a subject standing with one leg on a step is calculated as follows: CROTCH LENGTH (NATURAL INDENTATION) minus CROTCH LENGTH, POSTERIOR (NATURAL INDENTATION).

(D12) CROTCH LENGTH ANTERIOR (OMPHALION)

The surface distance between the inner thigh landmark and the abdomen at the level of the waist at the navel (omphalion) of a subject standing with one leg on a step is calculated as follows: CROTCH LENGTH (OMPHALION) minus CROTCH LENGTH POSTERIOR (OMPHALION).

(D13) DACTYLION HEIGHT

The vertical distance between a standing surface and the tip of the right middle finger (dactylion) of a subject standing erect with the arms and hands straight at the sides is calculated as follows: WRIST HEIGHT minus HAND LENGTH.

(D14) DACTYLION REACH FROM WALL

The horizontal distance between the plane of the back and the tip of the right middle finger of a subject standing erect with the back against a wall and the arm, hand, and fingers extended forward horizontally is calculated as follows: WRIST-WALL LENGTH plus HAND LENGTH.

(D15) DACTYLION REACH FROM WALL, EXTENDED

The horizontal distance between the plane of the back and the tip of the right middle finger of a subject standing erect with the left shoulder against a wall and the right shoulder, arm, hand, and fingers extended forward horizontally is calculated as follows: WRIST-WALL LENGTH, EXTENDED plus HAND LENGTH.

(D16) ELBOW REST HEIGHT, STANDING

The vertical distance between a standing surface and the lowest point of the right elbow of a subject standing erect with the right elbow flexed 90 degrees is calculated as follows: ELBOW REST HEIGHT plus STATURE minus SITTING HEIGHT.

(D17) ELBOW-CENTER OF GRIP LENGTH

The horizontal distance between the posterior point of the right elbow flexed 90 degrees and the center of a 1-1/4" diameter dowel gripped vertically in the right hand is calculated as follows: FOREARM-HAND LENGTH minus HAND LENGTH plus WRIST-CENTER OF GRIP LENGTH.

(D18) ELBOW-WRIST LENGTH

The horizontal distance between the posterior point of the right elbow flexed 90 degrees and the stylium landmark on the right wrist of a subject standing with the forearm and hand held horizontally is calculated as follows: FOREARM-HAND LENGTH minus HAND LENGTH.

(D19) EYE HEIGHT

The vertical distance between a standing surface and the outer corner of the right eye of a subject standing erect with the head in the Frankfort plane is calculated as follows: EYE HEIGHT, SITTING plus STATURE minus SITTING HEIGHT.

(D20) EYE-TRAGION LINK

The distance between the ectoorbitale landmark near the outer corner of the eye and the tragon landmark on the cartilaginous flap of flesh in front of the earhole is calculated using the distance formula for the points: ECTOORBITALE and TRAGON.

(D21) FUNCTIONAL GRIP REACH

The horizontal distance between the vertical plane of the back and the center of a 1-1/4" diameter dowel gripped in the right hand of a subject standing erect with the back against a wall and the arm and hand extended forward horizontally is calculated as follows: WRIST-WALL LENGTH plus WRIST-CENTER OF GRIP LENGTH.

(D22) FUNCTIONAL GRIP REACH, EXTENDED

The horizontal distance between the vertical plane of the back and the center of a 1-1/4" diameter dowel gripped in the right hand of a subject standing erect with the left shoulder against a wall and the right shoulder, arm, and hand extended forward horizontally as far as possible is calculated as follows: WALL-WRIST LENGTH, EXTENDED plus WRIST-CENTER OF GRIP LENGTH.

(D23) INDEX FINGER REACH

The horizontal distance between the vertical plane of the back and the tip of the right index finger of a subject standing erect with the back against a wall and the arm, hand, and fingers extended forward horizontally is calculated as follows: WRIST-WALL LENGTH plus WRIST-INDEX FINGER LENGTH.

(D24) INDEX FINGER REACH, EXTENDED

The horizontal distance between the vertical plane of the back and the tip of the right index finger of a subject standing erect with the left shoulder against a wall and the right shoulder, arm, hand, and fingers extended forward horizontally as far as possible is calculated as follows: WALL-WRIST LENGTH, EXTENDED plus WRIST-INDEX FINGER LENGTH.

(D25) NECK LINK

The vertical distance between the cervicale landmark at the base of the back of the neck and the tragon landmark on the cartilaginous flap of flesh in front of the earhole is calculated as follows: STATURE minus TRAGON-TOP OF HEAD minus CERVICALE HEIGHT

(D26) NECK-BUTTOCK LENGTH

The vertical distance between the cervicale landmark at the base of the back of the neck and the level of the maximum protrusion of the right buttock is calculated as follows: CERVICALE HEIGHT minus BUTTOCK HEIGHT.

(D27) NECK-GLUTEAL FURROW LENGTH

The vertical distance between the cervicale landmark at the base of the back of the neck and the gluteal furrow landmark at the juncture of the right buttock with the back of the thigh is calculated as follows: CERVICALE HEIGHT minus GLUTEAL FURROW HEIGHT.

(D28) NECK-SCYE LENGTH

The vertical distance between the cervicale landmark at the base of the back of the neck and the anterior scye landmark at the bottom of the axillary fold is calculated as follows: CERVICALE HEIGHT minus AXILLA HEIGHT.

(D29) PELVIC LINK

The vertical distance between the iliocristale landmark on the right side of the pelvis and the level of the trochanterion landmark on the right hip is calculated as follows: ILIOCRISTALE HEIGHT minus TROCHANTERIC HEIGHT.

(D30) RISE (NATURAL INDENTATION)

The vertical distance between the level of the waist at its natural indentation and the crotch of a subject standing erect is calculated as follows: WAIST HEIGHT (NATURAL INDENTATION) minus CROTCH HEIGHT.

(D31) RISE (OMPHALION)

The vertical distance between the level of the waist at the navel (omphalion) and the crotch of a subject standing erect is calculated as follows: WAIST HEIGHT (OMPHALION) minus CROTCH HEIGHT.

(D32) SHOULDER SLOPE

The degree of the slope of the right shoulder of a subject standing erect with the arms relaxed at the sides is calculated as follows: Arcsin of (NECK HEIGHT, LATERAL minus ACROMIAL HEIGHT) divided by SHOULDER LENGTH.

(D33) SHOULDER-WAIST LENGTH (NATURAL INDENTATION)

The vertical distance between the acromion landmark on the tip of the right shoulder and the level of the waist at its natural indentation of a subject standing erect is calculated as follows: ACROMIAL HEIGHT minus WAIST HEIGHT (NATURAL INDENTATION).

(D34) SHOULDER-WAIST LENGTH (OMPHALION)

The vertical distance between the acromion landmark on the tip of the right shoulder and the level of the waist at the navel (omphalion) of a subject standing erect is calculated as follows: ACROMIAL HEIGHT minus WAIST HEIGHT (OMPHALION).

(D35) SLEEVE INSEAM

The vertical distance between the right anterior-scye-on-the-torso landmark and the stylium landmark on the right wrist of a subject standing erect with the arms straight at the sides is calculated as follows: AXILLA HEIGHT minus WRIST HEIGHT.

(D36) SUPRASTERNALE HEIGHT, SITTING

The vertical distance between a sitting surface and the suprasternale landmark on the lowest point of the notch at the top of the breastbone of a subject sitting erect is calculated as follows: SUPRASTERNALE HEIGHT minus (STATURE minus SITTING HEIGHT).

(D37) THIGH LINK

The vertical distance between the trochanterion landmark on the right thigh and the lateral femoral epicondyle landmark on the side of the knee is calculated as follows: TROCHANTERIC HEIGHT minus LATERAL FEMORAL EPICONDYLE HEIGHT.

(D38) THORAX LINK

The vertical distance between the cervicale landmark at the base of the back of the neck and the level of the inferior point of the right tenth rib is calculated as follows: CERVICALE HEIGHT minus TENTH RIB HEIGHT.



(D39) THUMB TIP REACH, EXTENDED

The horizontal distance between the vertical plane of the back and the tip of the right thumb of a subject standing erect with the left shoulder against a wall and the right shoulder, arm, and hand extended forward horizontally with the thumb lying on the first knuckle of the forefinger is calculated as follows: WRIST-WALL LENGTH, EXTENDED plus WRIST-THUMB TIP LENGTH.

(D40) TRAGION HEIGHT

The vertical distance between a standing surface and the tragon landmark on the cartilaginous flap of flesh in front of the right earhole of a subject standing erect with the head in the Frankfort plane is calculated as follows: STATURE minus TRAGION-TOP OF HEAD.

(D41) TRAGION HEIGHT, SITTING

The vertical distance between a sitting surface and the tragon landmark on the cartilaginous flap of flesh in front of the right earhole of a subject sitting erect with the head in the Frankfort plane is calculated as follows: SITTING HEIGHT minus TRAGION-TOP OF HEAD.

(D42) VERTICAL GRIP REACH

The vertical distance between a standing surface and the center of a 1-1/4" diameter dowel gripped horizontally in the right hand of a subject standing erect with the shoulder, arm, and hand held straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH minus HAND LENGTH plus WRIST-CENTER OF GRIP LENGTH.

(D43) VERTICAL GRIP REACH DOWN

The vertical distance between the acromion landmark on the tip of the right shoulder and the center of a 1-1/4" diameter dowel gripped perpendicularly in the right hand of a subject standing erect with the arms held straight at the sides is calculated as follows: ACROMIAL HEIGHT minus WRIST HEIGHT plus WRIST-CENTER OF GRIP LENGTH.

(D44) VERTICAL GRIP REACH, EXTENDED

The vertical distance between a standing surface and the center of a 1-1/4" diameter dowel gripped horizontally in the right hand of a subject standing on the toes and reaching straight overhead as far as possible is calculated as follows: OVERHEAD FINGERTIP REACH, EXTENDED minus HAND LENGTH plus WRIST-CENTER OF GRIP LENGTH.

(D45) VERTICAL GRIP REACH, SITTING

The vertical distance between a sitting surface and the center of a 1-1/4" diameter dowel gripped horizontally in the right hand of a subject sitting erect with the arm held straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH, SITTING minus HAND LENGTH plus WRIST-CENTER OF GRIP LENGTH.

(D46) VERTICAL INDEX FINGERTIP REACH

The vertical distance between a standing surface and the tip of the right index finger of a subject standing erect with the right shoulder, arm, and fingers stretched straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH minus HAND LENGTH plus WRIST-INDEX FINGER LENGTH.

(D47) VERTICAL INDEX FINGERTIP REACH DOWN

The vertical distance between the acromion landmark on the tip of the right shoulder and the tip of the right index finger of a subject standing erect with the arms, hands, and fingers held straight down at the sides is calculated as follows: ACROMIAL HEIGHT minus WRIST HEIGHT plus WRIST-INDEX FINGER LENGTH.

(D48) VERTICAL INDEX FINGERTIP REACH, EXTENDED

The vertical distance between a standing surface and the tip of the right index finger of a subject standing on the tips of the toes and reaching overhead as far as possible with the arms, hands, and fingers straight and parallel is calculated as follows: OVERHEAD FINGERTIP REACH, EXTENDED minus HAND LENGTH plus WRIST-INDEX FINGER LENGTH.

(D49) VERTICAL INDEX FINGERTIP REACH, SITTING

The vertical distance between a sitting surface and the tip of the right index finger of a subject sitting erect and raising the right shoulder, arm, and fingers straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH, SITTING minus HAND LENGTH plus WRIST-INDEX FINGER LENGTH.

(D50) VERTICAL THUMB TIP REACH DOWN

The vertical distance between the acromion landmark on the tip of the right shoulder and the tip of the right thumb of a subject standing erect with the arms held straight down and the thumb lying on the first knuckle of the index finger is calculated as follows: ACROMIAL HEIGHT minus WRIST HEIGHT plus WRIST-THUMB TIP LENGTH.

(D51) VERTICAL THUMB TIP REACH, SITTING

The vertical distance between a sitting surface and the tip of the right thumb of a subject sitting erect with the right shoulder, arm, and hand held straight overhead with the thumb lying on the first knuckle of the index finger is calculated as follows: OVERHEAD FINGERTIP REACH, SITTING minus HAND LENGTH plus WRIST-THUMB TIP LENGTH.

(D52) VERTICAL WRIST HEIGHT

The vertical distance between a standing surface and the styliion landmark on the right wrist of a subject standing erect with the shoulder, arm, and hand held straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH minus HAND LENGTH.

(D53) VERTICAL WRIST HEIGHT, EXTENDED

The vertical distance between a standing surface and the styliion landmark on the right wrist of a subject standing on the toes and reaching straight overhead as far as possible is calculated as follows: OVERHEAD FINGERTIP REACH, EXTENDED minus HAND LENGTH.

(D54) VERTICAL WRIST HEIGHT, SITTING

The vertical distance between a sitting surface and the styliion landmark on the right wrist of a subject sitting erect reaching straight overhead is calculated as follows: OVERHEAD FINGERTIP REACH, SITTING minus HAND LENGTH.

(D55) WAIST BACK, VERTICAL (NATURAL INDENTATION)

The vertical distance between the cervicale landmark at the base of the back of the neck and the level of the waist at its natural indentation is calculated as follows: CERVICALE HEIGHT minus WAIST HEIGHT (NATURAL INDENTATION).

(D56) WAIST BACK, VERTICAL (OMPHALION)

The vertical distance between the cervicale landmark at the base of the back of the neck and the waist at the level of the navel (omphalion) is calculated as follows: CERVICALE HEIGHT minus WAIST HEIGHT (OMPHALION).

(D57) WAIST-BUTTOCK DROP (NATURAL INDENTATION)

The difference between the circumference of the waist at the level of its natural indentation and the torso circumference at the level of the maximum protrusion of the right buttock is calculated as follows: BUTTOCK CIRCUMFERENCE minus WAIST CIRCUMFERENCE (NATURAL INDENTATION).

(D58) WAIST-BUTTOCK DROP (OMPHALION)

The difference between the circumference of the waist at the level of the navel (omphalion) and the torso circumference at the level of the maximum protrusion of the right buttock is calculated as follows: BUTTOCK CIRCUMFERENCE minus WAIST CIRCUMFERENCE (OMPHALION).

(D59) WAIST-WAIST (NATURAL INDENTATION) OVER SHOULDER

The vertical circumference of the upper torso between the front of the waist at its natural indentation passing up over the right nipple on men or the right bustpoint on women, over the shoulder, and down the back to the waist at the level of its natural indentation is calculated as follows: VERTICAL TRUNK CIRCUMFERENCE (USA) minus CROTCH LENGTH (NATURAL INDENTATION).

(D60) WAIST-WAIST (OMPHALION) OVER SHOULDER

The vertical circumference of the upper torso between the front of the waist at the navel (omphalion) passing up over the right nipple on men or the right bustpoint on women, over the shoulder, and down the back to the waist at the level of the navel is calculated as follows: VERTICAL TRUNK CIRCUMFERENCE (USA) minus CROTCH LENGTH (OMPHALION).

## (D1) ABDOMINAL LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.56	MEAN VALUE	2.19
.03	SE(MEAN)	.01
1.47	STD DEVIATION	.58
.02	SE(STD DEV)	.01
11.00	MAXIMUM	4.33
.60	MINIMUM	.24

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 26.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
4.78	MEAN VALUE	1.88
.04	SE(MEAN)	.01
1.57	STD DEVIATION	.62
.03	SE(STD DEV)	.01
11.00	MAXIMUM	4.33
.10	MINIMUM	.04

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SYMMETRY---VETA I = .41  
 KURTOSIS---VETA II = 3.63  
 COEF. OF VARIATION = 32.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.16	1ST	.85
2.61	2ND	1.03
2.87	3RD	1.13
3.22	5TH	1.27
3.74	10TH	1.47
4.07	15TH	1.60
4.34	20TH	1.71
4.56	25TH	1.80
4.77	30TH	1.88
4.96	35TH	1.95
5.14	40TH	2.03
5.32	45TH	2.10
5.50	50TH	2.17
5.68	55TH	2.24
5.87	60TH	2.31
6.06	65TH	2.39
6.27	70TH	2.47
6.50	75TH	2.56
6.77	80TH	2.66
7.08	85TH	2.79
7.48	90TH	2.95
8.10	95TH	3.19
8.50	97TH	3.35
8.81	98TH	3.47
9.28	99TH	3.66

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
1.33	1ST	.52
1.77	2ND	.70
2.04	3RD	.80
2.39	5TH	.94
2.91	10TH	1.15
3.25	15TH	1.28
3.52	20TH	1.38
3.75	25TH	1.47
3.95	30TH	1.56
4.14	35TH	1.63
4.32	40TH	1.70
4.50	45TH	1.77
4.68	50TH	1.84
4.86	55TH	1.91
5.05	60TH	1.99
5.25	65TH	2.07
5.46	70TH	2.15
5.70	75TH	2.25
5.98	80TH	2.36
6.32	85TH	2.49
6.78	90TH	2.67
7.52	95TH	2.96
8.05	97TH	3.17
8.47	98TH	3.33
9.17	99TH	3.61

## (D2) ACROMION-AXILLA LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.99	MEAN VALUE	3.93
.02	SE(MEAN)	.01
.91	STD DEVIATION	.36
.01	SE(STD DEV)	.01
13.30	MAXIMUM	5.24
6.80	MINIMUM	2.68

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 9.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.16	MEAN VALUE	4.79
.02	SE(MEAN)	.01
1.03	STD DEVIATION	.40
.02	SE(STD DEV)	.01
16.60	MAXIMUM	6.54
8.80	MINIMUM	3.46

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SYMMETRY---VETA I = .22  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 8.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.86	1ST	3.10
8.11	2ND	3.19
8.27	3RD	3.26
8.49	5TH	3.34
8.83	10TH	3.48
9.05	15TH	3.56
9.23	20TH	3.62
9.38	25TH	3.69
9.52	30TH	3.75
9.64	35TH	3.80
9.76	40TH	3.84
9.88	45TH	3.89
9.99	50TH	3.93
10.10	55TH	3.98
10.22	60TH	4.02
10.33	65TH	4.07
10.46	70TH	4.12
10.59	75TH	4.17
10.75	80TH	4.23
10.92	85TH	4.30
11.15	90TH	4.39
11.50	95TH	4.53
11.73	97TH	4.62
11.91	98TH	4.69
12.20	99TH	4.80

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.90	1ST	3.90
10.17	2ND	4.00
10.33	3RD	4.07
10.55	5TH	4.15
10.89	10TH	4.29
11.12	15TH	4.38
11.30	20TH	4.45
11.46	25TH	4.51
11.61	30TH	4.57
11.74	35TH	4.62
11.87	40TH	4.67
12.00	45TH	4.72
12.13	50TH	4.77
12.25	55TH	4.82
12.39	60TH	4.88
12.52	65TH	4.93
12.67	70TH	4.99
12.83	75TH	5.05
13.01	80TH	5.12
13.23	85TH	5.21
13.50	90TH	5.32
13.91	95TH	5.48
14.17	97TH	5.58
14.36	98TH	5.65
14.65	99TH	5.77

## (D3) ARM LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
72.37	MEAN VALUE	28.49
.08	SE(MEAN)	.03
3.84	STD DEVIATION	1.51
.06	SE(STD DEV)	.02
87.10	MAXIMUM	34.29
57.90	MINIMUM	22.80

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
78.97	MEAN VALUE	31.09
.09	SE(MEAN)	.04
3.86	STD DEVIATION	1.52
.06	SE(STD DEV)	.03
95.90	MAXIMUM	37.76
64.10	MINIMUM	25.24

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SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
63.74	1ST	25.09
64.71	2ND	25.48
65.33	3RD	25.72
66.18	5TH	26.06
67.50	10TH	26.58
68.40	15TH	26.93
69.12	20TH	27.21
69.74	25TH	27.46
70.31	30TH	27.68
70.83	35TH	27.88
71.32	40TH	28.08
71.81	45TH	28.27
72.29	50TH	28.46
72.77	55TH	28.65
73.26	60TH	28.84
73.77	65TH	29.04
74.31	70TH	29.26
74.90	75TH	29.49
75.57	80TH	29.75
76.34	85TH	30.05
77.32	90TH	30.44
78.79	95TH	31.02
79.76	97TH	31.40
80.47	98TH	31.68
81.59	99TH	32.12

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
70.43	1ST	27.73
71.42	2ND	28.12
72.03	3RD	28.36
72.85	5TH	28.68
74.12	10TH	29.18
74.99	15TH	29.52
75.68	20TH	29.80
76.29	25TH	30.04
76.84	30TH	30.25
77.36	35TH	30.46
77.86	40TH	30.65
78.35	45TH	30.85
78.84	50TH	31.04
79.33	55TH	31.23
79.84	60TH	31.43
80.37	65TH	31.64
80.93	70TH	31.86
81.55	75TH	32.11
82.24	80TH	32.38
83.05	85TH	32.70
84.08	90TH	33.10
85.58	95TH	33.69
86.53	97TH	34.07
87.21	98TH	34.33
88.23	99TH	34.74

(D4) AXILLA-WAIST LENGTH (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.71	MEAN VALUE	6.97
.05	SE(MEAN)	.02
2.15	STD DEVIATION	.85
.03	SE(STD DEV)	.01
26.80	MAXIMUM	10.55
10.50	MINIMUM	4.13

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SYMMETRY---VETA I = .31  
KURTOSIS---VETA II = 3.11  
COEF. OF VARIATION = 12.18  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.38	MEAN VALUE	7.63
.05	SE(MEAN)	.02
2.00	STD DEVIATION	.79
.03	SE(STD DEV)	.01
27.40	MAXIMUM	10.79
13.40	MINIMUM	5.28

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SYMMETRY---VETA I = .02  
KURTOSIS---VETA II = 2.90  
COEF. OF VARIATION = 10.38  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.23	1ST	5.21
13.71	2ND	5.40
14.02	3RD	5.52
14.42	5TH	5.68
15.06	10TH	5.93
15.51	15TH	6.11
15.87	20TH	6.25
16.19	25TH	6.38
16.49	30TH	6.49
16.77	35TH	6.60
17.04	40TH	6.71
17.31	45TH	6.81
17.58	50TH	6.92
17.86	55TH	7.03
18.14	60TH	7.14
18.44	65TH	7.26
18.76	70TH	7.39
19.11	75TH	7.52
19.51	80TH	7.68
19.98	85TH	7.87
20.57	90TH	8.10
21.45	95TH	8.44
22.00	97TH	8.66
22.39	98TH	8.82
22.98	99TH	9.05

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.74	1ST	5.80
15.25	2ND	6.00
15.58	3RD	6.14
16.05	5TH	6.32
16.77	10TH	6.60
17.27	15TH	6.80
17.66	20TH	6.95
18.00	25TH	7.09
18.31	30TH	7.21
18.60	35TH	7.32
18.87	40TH	7.43
19.13	45TH	7.53
19.39	50TH	7.63
19.64	55TH	7.73
19.90	60TH	7.84
20.17	65TH	7.94
20.45	70TH	8.05
20.75	75TH	8.17
21.09	80TH	8.30
21.48	85TH	8.46
21.96	90TH	8.65
22.66	95TH	8.92
23.11	97TH	9.10
23.43	98TH	9.23
23.93	99TH	9.42



## (D5) AXILLA-WAIST LENGTH (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
25.15	MEAN VALUE	9.90
.04	SE(MEAN)	.02
1.91	STD DEVIATION	.75
.03	SE(STD DEV)	.01
32.90	MAXIMUM	12.95
19.40	MINIMUM	7.64

---

SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 7.68  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
26.21	MEAN VALUE	10.32
.05	SE(MEAN)	.02
2.13	STD DEVIATION	.84
.04	SE(STD DEV)	.01
34.50	MAXIMUM	13.58
19.00	MINIMUM	7.8

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 8.18  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
20.91	1ST	8.23
21.41	2ND	8.43
21.72	3RD	8.55
22.13	5TH	8.71
22.77	10TH	8.97
23.20	15TH	9.14
23.55	20TH	9.27
23.85	25TH	9.39
24.12	30TH	9.50
24.37	35TH	9.60
24.61	40TH	9.69
24.85	45TH	9.78
25.09	50TH	9.88
25.33	55TH	9.97
25.57	60TH	10.07
25.82	65TH	10.17
26.10	70TH	10.27
26.39	75TH	10.39
26.73	80TH	10.52
27.12	85TH	10.68
27.63	90TH	10.88
28.39	95TH	11.18
28.88	97TH	11.37
29.25	98TH	11.51
29.82	99TH	11.74

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
21.46	1ST	8.45
22.01	2ND	8.66
22.35	3RD	8.80
22.82	5TH	8.98
23.54	10TH	9.27
24.02	15TH	9.46
24.41	20TH	9.61
24.74	25TH	9.74
25.05	30TH	9.86
25.33	35TH	9.97
25.60	40TH	10.08
25.86	45TH	10.18
26.13	50TH	10.29
26.39	55TH	10.39
26.67	60TH	10.50
26.95	65TH	10.61
27.25	70TH	10.73
27.59	75TH	10.86
27.97	80TH	11.01
28.41	85TH	11.19
28.99	90TH	11.41
29.87	95TH	11.76
30.45	97TH	11.99
30.89	98TH	12.16
31.60	99TH	12.44

## (D6) CALF LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
40.04	MEAN VALUE	15.77
.05	SE(MEAN)	.02
2.36	STD DEVIATION	.93
.04	SE(STD DEV)	.01
50.90	MAXIMUM	20.04
29.30	MINIMUM	11.54

---

SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
43.45	MEAN VALUE	17.11
.06	SE(MEAN)	.02
2.45	STD DEVIATION	.96
.04	SE(STD DEV)	.02
53.30	MAXIMUM	20.98
33.80	MINIMUM	13.31

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.84	1ST	13.72
35.41	2ND	13.94
35.78	3RD	14.09
36.28	5TH	14.28
37.07	10TH	14.59
37.60	15TH	14.80
38.04	20TH	14.97
38.41	25TH	15.12
38.76	30TH	15.26
39.08	35TH	15.38
39.38	40TH	15.50
39.68	45TH	15.62
39.98	50TH	15.74
40.28	55TH	15.86
40.59	60TH	15.98
40.91	65TH	16.10
41.25	70TH	16.24
41.62	75TH	16.38
42.03	80TH	16.55
42.52	85TH	16.74
43.14	90TH	16.98
44.05	95TH	17.34
44.64	97TH	17.58
45.08	98TH	17.75
45.75	99TH	18.01

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
38.07	1ST	14.99
38.72	2ND	15.24
39.11	3RD	15.40
39.63	5TH	15.60
40.42	10TH	15.91
40.95	15TH	16.12
41.38	20TH	16.29
41.75	25TH	16.44
42.10	30TH	16.57
42.42	35TH	16.70
42.73	40TH	16.82
43.03	45TH	16.94
43.34	50TH	17.06
43.65	55TH	17.19
43.98	60TH	17.31
44.31	65TH	17.45
44.67	70TH	17.59
45.06	75TH	17.74
45.51	80TH	17.92
46.02	85TH	18.12
46.67	90TH	18.38
47.62	95TH	18.75
48.21	97TH	18.98
48.62	98TH	19.14
49.22	99TH	19.38

## (D7) CHEST HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
39.70	MEAN VALUE	15.63
.06	SE(MEAN)	.02
2.74	STD DEVIATION	1.08
.04	SE(STD DEV)	.02
50.30	MAXIMUM	19.80
30.20	MINIMUM	11.89

---

SYMMETRY---VETA I = -.07  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 6.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
43.40	MEAN VALUE	17.09
.06	SE(MEAN)	.02
2.45	STD DEVIATION	.96
.04	SE(STD DEV)	.02
51.60	MAXIMUM	20.31
34.70	MINIMUM	13.66

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SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.81	1ST	12.92
33.84	2ND	13.32
34.43	3RD	13.56
35.19	5TH	13.85
36.26	10TH	14.28
36.94	15TH	14.55
37.47	20TH	14.75
37.91	25TH	14.93
38.31	30TH	15.08
38.67	35TH	15.22
39.01	40TH	15.36
39.35	45TH	15.49
39.68	50TH	15.62
40.02	55TH	15.75
40.36	60TH	15.89
40.71	65TH	16.03
41.09	70TH	16.18
41.50	75TH	16.34
41.97	80TH	16.52
42.51	85TH	16.74
43.20	90TH	17.01
44.21	95TH	17.41
44.86	97TH	17.66
45.32	98TH	17.84
46.00	99TH	18.11

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
37.64	1ST	14.82
38.33	2ND	15.09
38.77	3RD	15.26
39.37	5TH	15.50
40.28	10TH	15.86
40.89	15TH	16.10
41.37	20TH	16.29
41.78	25TH	16.45
42.14	30TH	16.59
42.48	35TH	16.72
42.79	40TH	16.85
43.10	45TH	16.97
43.40	50TH	17.09
43.70	55TH	17.20
44.00	60TH	17.32
44.31	65TH	17.45
44.64	70TH	17.58
45.00	75TH	17.72
45.41	80TH	17.88
45.88	85TH	18.06
46.49	90TH	18.30
47.44	95TH	18.68
48.08	97TH	18.93
48.57	98TH	19.12
49.39	99TH	19.44

(D8) CHEST-WAIST DROP (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.16	MEAN VALUE	7.15
.07	SE(MEAN)	.03
3.31	STD DEVIATION	1.30
.05	SE(STD DEV)	.02
31.00	MAXIMUM	12.20
5.80	MINIMUM	2.28

---

SYMMETRY---VETA I = .05  
KURTOSIS---VETA II = 3.27  
COEF. OF VARIATION = 18.2%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.15	MEAN VALUE	5.96
.08	SE(MEAN)	.03
3.55	STD DEVIATION	1.40
.06	SE(STD DEV)	.02
29.70	MAXIMUM	11.69
4.20	MINIMUM	1.65

---

SYMMETRY---VETA I = .08  
KURTOSIS---VETA II = 3.28  
COEF. OF VARIATION = 23.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.30	1ST	4.06
11.26	2ND	4.43
11.87	3RD	4.67
12.69	5TH	5.00
13.93	10TH	5.49
14.76	15TH	5.81
15.41	20TH	6.07
15.96	25TH	6.28
16.45	30TH	6.48
16.91	35TH	6.66
17.34	40TH	6.83
17.75	45TH	6.99
18.16	50TH	7.15
18.56	55TH	7.31
18.98	60TH	7.47
19.40	65TH	7.64
19.85	70TH	7.82
20.34	75TH	8.01
20.89	80TH	8.23
21.54	85TH	8.48
22.37	90TH	8.81
23.63	95TH	9.30
24.48	97TH	9.64
25.12	98TH	9.89
26.17	99TH	10.30

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
6.66	1ST	2.62
7.75	2ND	3.05
8.43	3RD	3.32
9.32	5TH	3.67
10.64	10TH	4.19
11.52	15TH	4.53
12.20	20TH	4.80
12.78	25TH	5.03
13.30	30TH	5.24
13.79	35TH	5.43
14.24	40TH	5.61
14.68	45TH	5.78
15.12	50TH	5.95
15.56	55TH	6.12
16.00	60TH	6.30
16.46	65TH	6.48
16.95	70TH	6.67
17.49	75TH	6.88
18.09	80TH	7.12
18.80	85TH	7.40
19.70	90TH	7.76
21.07	95TH	8.30
21.99	97TH	8.66
22.67	98TH	8.92
23.76	99TH	9.35

## (D9) CHEST-WAIST DROP (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.52	MEAN VALUE	4.54
.11	SE(MEAN)	.04
5.17	STD DEVIATION	2.03
.08	SE(STD DEV)	.03
27.40	MAXIMUM	10.79
-8.80	MINIMUM	-3.46

---

SYMMETRY---VETA I = -.40  
 KURTOSIS---VETA II = 3.59  
 COEF. OF VARIATION = 44.8%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.89	MEAN VALUE	5.08
.11	SE(MEAN)	.04
4.71	STD DEVIATION	1.86
.08	SE(STD DEV)	.03
28.10	MAXIMUM	11.06
-3.80	MINIMUM	-1.50

---

SYMMETRY---VETA I = -.10  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 36.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
-2.76	1ST	-1.09
-.69	2ND	-.27
.59	3RD	.23
2.28	5TH	.90
4.75	10TH	1.87
6.31	15TH	2.48
7.48	20TH	2.95
8.45	25TH	3.33
9.28	30TH	3.65
10.02	35TH	3.94
10.69	40TH	4.21
11.33	45TH	4.46
11.94	50TH	4.70
12.53	55TH	4.93
13.11	60TH	5.16
13.70	65TH	5.39
14.31	70TH	5.63
14.96	75TH	5.89
15.67	80TH	6.17
16.51	85TH	6.50
17.58	90TH	6.92
19.27	95TH	7.59
20.48	97TH	8.06
21.44	98TH	8.44
23.13	99TH	9.10

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
1.28	1ST	.50
2.83	2ND	1.11
3.77	3RD	1.48
5.01	5TH	1.97
6.83	10TH	2.69
8.03	15TH	3.16
8.97	20TH	3.53
9.77	25TH	3.85
10.48	30TH	4.13
11.13	35TH	4.38
11.76	40TH	4.63
12.36	45TH	4.86
12.95	50TH	5.10
13.54	55TH	5.33
14.14	60TH	5.57
14.76	65TH	5.81
15.42	70TH	6.07
16.12	75TH	6.35
16.91	80TH	6.66
17.81	85TH	7.01
18.95	90TH	7.46
20.58	95TH	8.10
21.60	97TH	8.51
22.33	98TH	8.79
23.41	99TH	9.22

## (D10) CLAVICLE LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.11	MEAN VALUE	7.13
.02	SE(MEAN)	.01
.87	STD DEVIATION	.34
.01	SE(STD DEV)	.01
20.80	MAXIMUM	8.19
15.00	MINIMUM	5.91

---

SYMMETRY---VETA I = -.16  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.82	MEAN VALUE	7.80
.02	SE(MEAN)	.01
.90	STD DEVIATION	.35
.02	SE(STD DEV)	.01
22.50	MAXIMUM	8.86
16.50	MINIMUM	6.50

---

SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.89	1ST	6.26
16.20	2ND	6.38
16.39	3RD	6.45
16.63	5TH	6.55
16.98	10TH	6.69
17.21	15TH	6.77
17.38	20TH	6.84
17.53	25TH	6.90
17.66	30TH	6.95
17.79	35TH	7.00
17.90	40TH	7.05
18.01	45TH	7.09
18.12	50TH	7.13
18.23	55TH	7.18
18.34	60TH	7.22
18.45	65TH	7.27
18.57	70TH	7.31
18.70	75TH	7.36
18.85	80TH	7.42
19.01	85TH	7.49
19.22	90TH	7.57
19.51	95TH	7.68
19.69	97TH	7.75
19.82	98TH	7.80
20.00	99TH	7.87

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.76	1ST	6.99
17.98	2ND	7.08
18.12	3RD	7.13
18.33	5TH	7.22
18.65	10TH	7.34
18.88	15TH	7.43
19.06	20TH	7.50
19.21	25TH	7.56
19.35	30TH	7.62
19.48	35TH	7.67
19.60	40TH	7.72
19.72	45TH	7.76
19.83	50TH	7.81
19.95	55TH	7.85
20.06	60TH	7.90
20.18	65TH	7.95
20.31	70TH	7.99
20.44	75TH	8.05
20.59	80TH	8.11
20.76	85TH	8.17
20.98	90TH	8.26
21.30	95TH	8.39
21.51	97TH	8.47
21.66	98TH	8.53
21.92	99TH	8.63

(D11) CROTCH LENGTH, ANTERIOR (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.80	MEAN VALUE	14.49
.07	SE(MEAN)	.03
3.22	STD DEVIATION	1.27
.05	SE(STD DEV)	.02
50.00	MAXIMUM	19.69
27.20	MINIMUM	10.71

---

SYMMETRY---VETA I = .34  
KURTOSIS---VETA II = 3.24  
COEF. OF VARIATION = 8.8%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
37.87	MEAN VALUE	14.91
.08	SE(MEAN)	.03
3.57	STD DEVIATION	1.40
.06	SE(STD DEV)	.02
50.80	MAXIMUM	20.00
26.70	MINIMUM	10.51

---

SYMMETRY---VETA I = .41  
KURTOSIS---VETA II = 3.12  
COEF. OF VARIATION = 9.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
29.98	1ST	11.80
30.70	2ND	12.09
31.17	3RD	12.27
31.81	5TH	12.52
32.82	10TH	12.92
33.52	15TH	13.20
34.08	20TH	13.42
34.57	25TH	13.61
35.02	30TH	13.79
35.43	35TH	13.95
35.83	40TH	14.11
36.22	45TH	14.26
36.62	50TH	14.42
37.01	55TH	14.57
37.42	60TH	14.73
37.85	65TH	14.90
38.31	70TH	15.08
38.82	75TH	15.28
39.40	80TH	15.51
40.08	85TH	15.78
40.99	90TH	16.14
42.40	95TH	16.69
43.37	97TH	17.07
44.11	98TH	17.37
45.33	99TH	17.85

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.73	1ST	12.10
31.46	2ND	12.39
31.92	3RD	12.57
32.55	5TH	12.81
33.54	10TH	13.20
34.24	15TH	13.48
34.81	20TH	13.71
35.33	25TH	13.91
35.80	30TH	14.10
36.25	35TH	14.27
36.70	40TH	14.45
37.13	45TH	14.62
37.58	50TH	14.80
38.04	55TH	14.97
38.51	60TH	15.16
39.01	65TH	15.36
39.54	70TH	15.57
40.14	75TH	15.80
40.82	80TH	16.07
41.62	85TH	16.39
42.65	90TH	16.79
44.20	95TH	17.40
45.21	97TH	17.80
45.93	98TH	18.08
47.05	99TH	18.52

(D12) CROTCH LENGTH ANTERIOR (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
30.05	MEAN VALUE	11.83
.05	SE(MEAN)	.02
2.46	STD DEVIATION	.97
.04	SE(STD DEV)	.01
42.60	MAXIMUM	16.77
21.40	MINIMUM	8.43

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SYMMETRY---VETA I = .29  
KURTOSIS---VETA II = 3.71  
COEF. OF VARIATION = 8.2%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
32.41	MEAN VALUE	12.76
.07	SE(MEAN)	.03
3.04	STD DEVIATION	1.20
.05	SE(STD DEV)	.02
45.00	MAXIMUM	17.72
24.40	MINIMUM	9.61

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SYMMETRY---VETA I = .38  
KURTOSIS---VETA II = 3.25  
COEF. OF VARIATION = 9.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.73	1ST	9.74
25.27	2ND	9.95
25.63	3RD	10.00
26.15	5TH	10.30
26.98	10TH	10.62
27.55	15TH	10.85
28.01	20TH	11.03
28.40	25TH	11.18
28.75	30TH	11.32
29.08	35TH	11.45
29.39	40TH	11.57
29.69	45TH	11.69
29.98	50TH	11.80
30.28	55TH	11.92
30.58	60TH	12.04
30.89	65TH	12.16
31.22	70TH	12.29
31.58	75TH	12.43
32.00	80TH	12.60
32.49	85TH	12.79
33.14	90TH	13.05
34.17	95TH	13.45
34.90	97TH	13.74
35.48	98TH	13.97
36.48	99TH	14.36

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.03	1ST	10.25
26.71	2ND	10.51
27.14	3RD	10.68
27.73	5TH	10.92
28.66	10TH	11.28
29.31	15TH	11.54
29.83	20TH	11.74
30.29	25TH	11.92
30.70	30TH	12.09
31.10	35TH	12.24
31.47	40TH	12.39
31.85	45TH	12.54
32.22	50TH	12.68
32.60	55TH	12.83
32.99	60TH	12.99
33.40	65TH	13.15
33.84	70TH	13.32
34.33	75TH	13.51
34.88	80TH	13.73
35.54	85TH	13.99
36.40	90TH	14.33
37.71	95TH	14.85
38.60	97TH	15.20
39.27	98TH	15.46
40.34	99TH	15.88



## (D13) DACTYLION HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
60.99	MEAN VALUE	24.01
.08	SE (MEAN)	.03
3.58	STD DEVIATION	1.41
.05	SE (STD DEV)	.02
74.70	MAXIMUM	29.41
49.20	MINIMUM	19.37

---

SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
65.28	MEAN VALUE	25.70
.09	SE (MEAN)	.04
3.79	STD DEVIATION	1.49
.06	SE (STD DEV)	.03
78.90	MAXIMUM	31.06
52.50	MINIMUM	20.67

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 2.96  
 COEF. OF VARIATION = 5.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
53.18	1ST	20.94
53.90	2ND	21.22
54.40	3RD	21.42
55.13	5TH	21.71
56.33	10TH	22.18
57.18	15TH	22.51
57.87	20TH	22.78
58.47	25TH	23.02
59.02	30TH	23.24
59.52	35TH	23.43
60.01	40TH	23.62
60.47	45TH	23.81
60.94	50TH	23.99
61.40	55TH	24.17
61.87	60TH	24.36
62.35	65TH	24.55
62.86	70TH	24.75
63.41	75TH	24.96
64.02	80TH	25.21
64.73	85TH	25.48
65.63	90TH	25.84
66.95	95TH	26.36
67.84	97TH	26.71
68.49	98TH	26.97
69.54	99TH	27.38

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
56.24	1ST	22.14
57.43	2ND	22.61
58.15	3RD	22.89
59.08	5TH	23.26
60.46	10TH	23.80
61.37	15TH	24.16
62.08	20TH	24.44
62.70	25TH	24.69
63.26	30TH	24.91
63.77	35TH	25.11
64.27	40TH	25.30
64.75	45TH	25.49
65.23	50TH	25.68
65.71	55TH	25.87
66.20	60TH	26.06
66.71	65TH	26.26
67.25	70TH	26.48
67.85	75TH	26.71
68.51	80TH	26.97
69.27	85TH	27.27
70.24	90TH	27.65
71.63	95TH	28.20
72.50	97TH	28.54
73.10	98TH	28.78
73.99	99TH	29.13

## (D14) DACTYLION REACH FROM WALL

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
80.03	MEAN VALUE	31.51
.08	SE(MEAN)	.03
3.94	STD DEVIATION	1.55
.06	SE(STD DEV)	.02
97.80	MAXIMUM	38.50
66.20	MINIMUM	26.06

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
87.47	MEAN VALUE	34.44
.10	SE(MEAN)	.04
4.21	STD DEVIATION	1.66
.07	SE(STD DEV)	.03
106.30	MAXIMUM	41.85
72.60	MINIMUM	28.58

---

SYMMETRY---VETA I = .22  
 KURTOSIS---VETA II = 3.27  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
71.80	1ST	28.27
72.56	2ND	28.57
73.08	3RD	28.77
73.81	5TH	29.06
75.03	10TH	29.54
75.90	15TH	29.88
76.61	20TH	30.16
77.24	25TH	30.41
77.81	30TH	30.63
78.35	35TH	30.85
78.87	40TH	31.05
79.37	45TH	31.25
79.88	50TH	31.45
80.39	55TH	31.65
80.91	60TH	31.86
81.46	65TH	32.07
82.04	70TH	32.30
82.66	75TH	32.54
83.37	80TH	32.82
84.19	85TH	33.15
85.23	90TH	33.56
86.77	95TH	34.16
87.77	97TH	34.55
88.49	98TH	34.84
89.62	99TH	35.28

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
78.72	1ST	30.99
79.52	2ND	31.31
80.08	3RD	31.53
80.88	5TH	31.84
82.19	10TH	32.36
83.13	15TH	32.73
83.89	20TH	33.03
84.56	25TH	33.29
85.17	30TH	33.53
85.74	35TH	33.75
86.28	40TH	33.97
86.81	45TH	34.18
87.34	50TH	34.38
87.87	55TH	34.59
88.41	60TH	34.81
88.97	65TH	35.03
89.57	70TH	35.26
90.22	75TH	35.52
90.95	80TH	35.81
91.81	85TH	36.15
92.91	90TH	36.58
94.59	95TH	37.24
95.71	97TH	37.68
96.56	98TH	38.02
97.95	99TH	38.56

## (D15) DACTYLION REACH FROM WALL, EXTENDED

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
85.98	MEAN VALUE	33.85
.09	SE(MEAN)	.03
4.13	STD DEVIATION	1.63
.06	SE(STD DEV)	.02
105.70	MAXIMUM	41.61
71.40	MINIMUM	28.11

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
94.22	MEAN VALUE	37.09
.11	SE(MEAN)	.04
4.43	STD DEVIATION	1.75
.07	SE(STD DEV)	.03
113.10	MAXIMUM	44.53
79.10	MINIMUM	31.14

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
76.91	1ST	30.28
77.87	2ND	30.66
78.50	3RD	30.90
79.36	5TH	31.25
80.73	10TH	31.79
81.68	15TH	32.16
82.45	20TH	32.46
83.12	25TH	32.72
83.72	30TH	32.96
84.28	35TH	33.18
84.82	40TH	33.39
85.35	45TH	33.60
85.87	50TH	33.81
86.40	55TH	34.01
86.93	60TH	34.23
87.49	65TH	34.45
88.08	70TH	34.68
88.73	75TH	34.93
89.45	80TH	35.22
90.30	85TH	35.55
91.37	90TH	35.97
92.98	95TH	36.60
94.02	97TH	37.02
94.80	98TH	37.32
96.01	99TH	37.80

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
84.28	1ST	33.18
85.34	2ND	33.60
86.05	3RD	33.88
87.03	5TH	34.27
88.59	10TH	34.88
89.65	15TH	35.30
90.50	20TH	35.63
91.22	25TH	35.92
91.87	30TH	36.17
92.47	35TH	36.41
93.04	40TH	36.63
93.59	45TH	36.85
94.13	50TH	37.06
94.67	55TH	37.27
95.22	60TH	37.49
95.79	65TH	37.71
96.39	70TH	37.95
97.05	75TH	38.21
97.79	80TH	38.50
98.67	85TH	38.85
99.81	90TH	39.30
101.61	95TH	40.00
102.86	97TH	40.50
103.84	98TH	40.88
105.50	99TH	41.54

## (D16) ELBOW REST HEIGHT, STANDING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
99.79	MEAN VALUE	39.29
.10	SE(MEAN)	.04
4.48	STD DEVIATION	1.76
.07	SE(STD DEV)	.03
118.50	MAXIMUM	46.65
85.60	MINIMUM	33.70

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
107.25	MEAN VALUE	42.22
.11	SE(MEAN)	.04
4.81	STD DEVIATION	1.89
.08	SE(STD DEV)	.03
126.10	MAXIMUM	49.65
88.80	MINIMUM	34.96

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.18  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
89.51	1ST	35.24
90.80	2ND	35.75
91.58	3RD	36.06
92.63	5TH	36.47
94.20	10TH	37.09
95.24	15TH	37.50
96.06	20TH	37.82
96.77	25TH	38.10
97.41	30TH	38.35
98.00	35TH	38.58
98.57	40TH	38.81
99.12	45TH	39.02
99.67	50TH	39.24
100.23	55TH	39.46
100.79	60TH	39.68
101.38	65TH	39.92
102.02	70TH	40.16
102.71	75TH	40.44
103.49	80TH	40.74
104.41	85TH	41.11
105.60	90TH	41.57
107.40	95TH	42.28
108.59	97TH	42.75
109.47	98TH	43.10
110.87	99TH	43.65

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
96.18	1ST	37.87
97.56	2ND	38.41
98.40	3RD	38.74
99.52	5TH	39.18
101.21	10TH	39.85
102.34	15TH	40.29
103.23	20TH	40.64
104.00	25TH	40.95
104.70	30TH	41.22
105.35	35TH	41.48
105.97	40TH	41.72
106.57	45TH	41.96
107.18	50TH	42.20
107.78	55TH	42.43
108.40	60TH	42.68
109.05	65TH	42.93
109.73	70TH	43.20
110.47	75TH	43.49
111.31	80TH	43.82
112.28	85TH	44.20
113.50	90TH	44.68
115.28	95TH	45.39
116.41	97TH	45.83
117.21	98TH	46.15
118.41	99TH	46.62

## (D17) ELBOW-CENTER OF GRIP LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
32.88	MEAN VALUE	12.94
.04	SE(MEAN)	.01
1.77	STD DEVIATION	.70
.03	SE(STD DEV)	.01
41.30	MAXIMUM	16.26
23.70	MINIMUM	9.33

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.41  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.00	MEAN VALUE	14.17
.04	SE(MEAN)	.02
1.79	STD DEVIATION	.70
.03	SE(STD DEV)	.01
43.60	MAXIMUM	17.17
29.30	MINIMUM	11.54

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.33  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
28.93	1ST	11.39
29.35	2ND	11.56
29.63	3RD	11.67
30.02	5TH	11.82
30.63	10TH	12.06
31.04	15TH	12.22
31.37	20TH	12.35
31.66	25TH	12.47
31.92	30TH	12.57
32.17	35TH	12.66
32.40	40TH	12.75
32.62	45TH	12.84
32.84	50TH	12.93
33.06	55TH	13.02
33.29	60TH	13.10
33.52	65TH	13.20
33.77	70TH	13.29
34.04	75TH	13.40
34.34	80TH	13.52
34.69	85TH	13.66
35.15	90TH	13.84
35.84	95TH	14.11
36.29	97TH	14.29
36.64	98TH	14.42
37.20	99TH	14.64

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.26	1ST	12.70
32.64	2ND	12.85
32.89	3RD	12.95
33.23	5TH	13.08
33.78	10TH	13.30
34.16	15TH	13.45
34.47	20TH	13.57
34.75	25TH	13.68
35.00	30TH	13.78
35.24	35TH	13.87
35.47	40TH	13.97
35.70	45TH	14.05
35.92	50TH	14.14
36.15	55TH	14.23
36.39	60TH	14.33
36.63	65TH	14.42
36.89	70TH	14.52
37.18	75TH	14.64
37.50	80TH	14.76
37.87	85TH	14.91
38.35	90TH	15.10
39.06	95TH	15.38
39.51	97TH	15.55
39.83	98TH	15.68
40.33	99TH	15.88

## (D18) ELBOW-WRIST LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
26.25	MEAN VALUE	10.33
.03	SE (MEAN)	.01
1.54	STD DEVIATION	.61
.02	SE (STD DEV)	.01
33.40	MAXIMUM	13.15
17.00	MINIMUM	6.69

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.53  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
29.03	MEAN VALUE	11.43
.04	SE (MEAN)	.01
1.54	STD DEVIATION	.61
.03	SE (STD DEV)	.01
35.00	MAXIMUM	13.78
22.60	MINIMUM	8.90

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SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.94	1ST	9.03
23.26	2ND	9.16
23.47	3RD	9.24
23.78	5TH	9.36
24.28	10TH	9.56
24.64	15TH	9.70
24.93	20TH	9.81
25.18	25TH	9.91
25.41	30TH	10.00
25.62	35TH	10.09
25.83	40TH	10.17
26.03	45TH	10.25
26.22	50TH	10.32
26.42	55TH	10.40
26.62	60TH	10.48
26.83	65TH	10.56
27.05	70TH	10.65
27.29	75TH	10.74
27.56	80TH	10.85
27.86	85TH	10.97
28.26	90TH	11.12
28.83	95TH	11.35
29.21	97TH	11.50
29.49	98TH	11.61
29.93	99TH	11.78

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
25.79	1ST	10.15
26.09	2ND	10.27
26.30	3RD	10.35
26.60	5TH	10.47
27.09	10TH	10.66
27.44	15TH	10.80
27.72	20TH	10.91
27.97	25TH	11.01
28.19	30TH	11.10
28.40	35TH	11.18
28.60	40TH	11.26
28.80	45TH	11.34
28.99	50TH	11.41
29.18	55TH	11.49
29.38	60TH	11.57
29.58	65TH	11.65
29.80	70TH	11.73
30.03	75TH	11.82
30.30	80TH	11.93
30.61	85TH	12.05
31.01	90TH	12.21
31.61	95TH	12.45
32.02	97TH	12.61
32.33	98TH	12.73
32.84	99TH	12.93

## (D19) EYE HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
151.61	MEAN VALUE	59.69
.13	SE(MEAN)	.05
6.25	STD DEVIATION	2.46
.09	SE(STD DEV)	.04
175.30	MAXIMUM	69.02
132.50	MINIMUM	52.17

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.02  
 CCEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
163.39	MEAN VALUE	64.32
.16	SE(MEAN)	.06
6.57	STD DEVIATION	2.59
.11	SE(STD DEV)	.04
191.20	MAXIMUM	75.28
138.10	MINIMUM	54.37

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 4.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
137.39	1ST	54.09
139.07	2ND	54.75
140.11	3RD	55.16
141.52	5TH	55.72
143.67	10TH	56.56
145.13	15TH	57.14
146.29	20TH	57.59
147.30	25TH	57.99
148.21	30TH	58.35
149.06	35TH	58.68
149.87	40TH	59.00
150.66	45TH	59.32
151.45	50TH	59.63
152.24	55TH	59.94
153.05	60TH	60.26
153.90	65TH	60.59
154.79	70TH	60.94
155.77	75TH	61.33
156.86	80TH	61.76
158.14	85TH	62.26
159.75	90TH	62.90
162.13	95TH	63.83
163.65	97TH	64.43
164.75	98TH	64.86
166.43	99TH	65.52

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
148.40	1ST	58.43
150.22	2ND	59.14
151.32	3RD	59.58
152.82	5TH	60.17
155.08	10TH	61.05
156.60	15TH	61.65
157.82	20TH	62.13
158.88	25TH	62.55
159.84	30TH	62.93
160.73	35TH	63.28
161.59	40TH	63.62
162.42	45TH	63.95
163.26	50TH	64.28
164.10	55TH	64.61
164.96	60TH	64.94
165.85	65TH	65.30
166.79	70TH	65.67
167.82	75TH	66.07
168.97	80TH	66.52
170.29	85TH	67.04
171.94	90TH	67.69
174.29	95TH	68.62
175.73	97TH	69.18
176.72	98TH	69.57
178.15	99TH	70.14

(D20) EYE-TRAGION LINK

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.74	MEAN VALUE	2.26
.01	SE(MEAN)	.00
.35	STD DEVIATION	.14
.01	SE(STD DEV)	.00
7.00	MAXIMUM	2.76
4.30	MINIMUM	1.69

---

SYMMETRY---VETA I = -.07  
KURTOSIS---VETA II = 3.23  
COEF. OF VARIATION = 6.18  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.25	MEAN VALUE	2.46
.01	SE(MEAN)	.00
.37	STD DEVIATION	.14
.01	SE(STD DEV)	.00
7.40	MAXIMUM	2.91
5.00	MINIMUM	1.97

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SYMMETRY---VETA I = -.06  
KURTOSIS---VETA II = 2.92  
COEF. OF VARIATION = 5.98  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
4.90	1ST	1.93
5.01	2ND	1.97
5.08	3RD	2.00
5.17	5TH	2.03
5.30	10TH	2.09
5.39	15TH	2.12
5.45	20TH	2.15
5.51	25TH	2.17
5.56	30TH	2.19
5.61	35TH	2.21
5.66	40TH	2.23
5.70	45TH	2.24
5.74	50TH	2.26
5.79	55TH	2.28
5.83	60TH	2.30
5.88	65TH	2.31
5.92	70TH	2.33
5.97	75TH	2.35
6.03	80TH	2.38
6.10	85TH	2.40
6.19	90TH	2.44
6.31	95TH	2.49
6.40	97TH	2.52
6.46	98TH	2.54
6.55	99TH	2.58

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.37	1ST	2.11
5.47	2ND	2.15
5.54	3RD	2.18
5.63	5TH	2.22
5.77	10TH	2.27
5.86	15TH	2.31
5.94	20TH	2.34
6.00	25TH	2.36
6.06	30TH	2.39
6.11	35TH	2.41
6.16	40TH	2.43
6.21	45TH	2.45
6.26	50TH	2.46
6.30	55TH	2.48
6.35	60TH	2.50
6.40	65TH	2.52
6.45	70TH	2.54
6.50	75TH	2.56
6.56	80TH	2.58
6.63	85TH	2.61
6.72	90TH	2.65
6.85	95TH	2.70
6.94	97TH	2.73
7.00	98TH	2.76
7.11	99TH	2.80



## (D21) FUNCTIONAL GRIP REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
68.61	MEAN VALUE	27.01
.07	SE(MEAN)	.03
3.39	STD DEVIATION	1.33
.05	SE(STD DEV)	.02
83.20	MAXIMUM	32.76
57.50	MINIMUM	22.64

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.07  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
75.07	MEAN VALUE	29.55
.09	SE(MEAN)	.03
3.68	STD DEVIATION	1.45
.06	SE(STD DEV)	.02
92.10	MAXIMUM	36.26
62.60	MINIMUM	24.65

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SYMMETRY---VETA I = .21  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
61.51	1ST	24.22
62.12	2ND	24.46
62.55	3RD	24.63
63.19	5TH	24.88
64.26	10TH	25.30
65.03	15TH	25.60
65.66	20TH	25.85
66.22	25TH	26.07
66.72	30TH	26.27
67.19	35TH	26.45
67.64	40TH	26.63
68.08	45TH	26.80
68.51	50TH	26.97
68.95	55TH	27.15
69.40	60TH	27.32
69.86	65TH	27.50
70.34	70TH	27.69
70.87	75TH	27.90
71.46	80TH	28.14
72.15	85TH	28.41
73.03	90TH	28.75
74.36	95TH	29.27
75.24	97TH	29.62
75.90	98TH	29.88
76.97	99TH	30.30

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
67.26	1ST	26.48
68.04	2ND	26.79
68.55	3RD	26.99
69.28	5TH	27.28
70.45	10TH	27.74
71.27	15TH	28.06
71.93	20TH	28.32
72.52	25TH	28.55
73.05	30TH	28.76
73.54	35TH	28.95
74.02	40TH	29.14
74.49	45TH	29.33
74.95	50TH	29.51
75.42	55TH	29.69
75.90	60TH	29.88
76.40	65TH	30.08
76.92	70TH	30.29
77.50	75TH	30.51
78.15	80TH	30.77
78.91	85TH	31.07
79.87	90TH	31.45
81.31	95TH	32.01
82.25	97TH	32.38
82.94	98TH	32.65
84.03	99TH	33.08

(D22) FUNCTIONAL GRIP REACH, EXTENDED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
74.56	MEAN VALUE	29.35
.08	SE(MEAN)	.03
3.61	STD DEVIATION	1.42
.05	SE(STD DEV)	.02
92.40	MAXIMUM	36.38
62.60	MINIMUM	24.65

---

SYMMETRY---VETA I = .17  
KURTOSIS---VETA II = 3.15  
COEF. OF VARIATION = 4.8%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
81.82	MEAN VALUE	32.21
.09	SE(MEAN)	.04
3.91	STD DEVIATION	1.54
.07	SE(STD DEV)	.03
98.60	MAXIMUM	38.82
68.70	MINIMUM	27.05

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SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.27  
COEF. OF VARIATION = 4.8%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
66.55	1ST	26.20
67.40	2ND	26.54
67.96	3RD	26.76
68.73	5TH	27.06
69.96	10TH	27.54
70.80	15TH	27.87
71.48	20TH	28.14
72.07	25TH	28.37
72.60	30TH	28.58
73.09	35TH	28.78
73.56	40TH	28.96
74.02	45TH	29.14
74.48	50TH	29.32
74.94	55TH	29.50
75.40	60TH	29.69
75.89	65TH	29.88
76.40	70TH	30.08
76.96	75TH	30.30
77.59	80TH	30.55
78.33	85TH	30.84
79.28	90TH	31.21
80.70	95TH	31.77
81.65	97TH	32.15
82.36	98TH	32.42
83.50	99TH	32.87

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
72.88	1ST	28.69
73.88	2ND	29.09
74.53	3RD	29.34
75.43	5TH	29.70
76.83	10TH	30.25
77.79	15TH	30.63
78.54	20TH	30.92
79.19	25TH	31.18
79.77	30TH	31.41
80.30	35TH	31.62
80.81	40TH	31.82
81.30	45TH	32.01
81.78	50TH	32.20
82.27	55TH	32.39
82.76	60TH	32.58
83.27	65TH	32.78
83.80	70TH	32.99
84.39	75TH	33.22
85.05	80TH	33.49
85.83	85TH	33.79
86.84	90TH	34.19
88.41	95TH	34.81
89.50	97TH	35.24
90.33	98TH	35.56
91.73	99TH	36.11

## (D23) INDEX FINGER REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
78.90	MEAN VALUE	31.06
.08	SE(MEAN)	.03
3.87	STD DEVIATION	1.52
.06	SE(STD DEV)	.02
96.50	MAXIMUM	37.99
65.90	MINIMUM	25.94

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 7208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
86.18	MEAN VALUE	33.93
.10	SE(MEAN)	.04
4.14	STD DEVIATION	1.63
.07	SE(STD DEV)	.03
105.10	MAXIMUM	41.38
71.60	MINIMUM	28.19

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
70.80	1ST	27.87
71.57	2ND	28.18
72.08	3RD	28.38
72.82	5TH	28.67
74.02	10TH	29.14
74.87	15TH	29.48
75.57	20TH	29.75
76.19	25TH	29.99
76.75	30TH	30.22
77.28	35TH	30.42
77.78	40TH	30.62
78.28	45TH	30.82
78.78	50TH	31.01
79.28	55TH	31.21
79.79	60TH	31.41
80.32	65TH	31.62
80.89	70TH	31.85
81.50	75TH	32.09
82.19	80TH	32.36
83.00	85TH	32.68
84.02	90TH	33.08
85.52	95TH	33.67
86.49	97TH	34.05
87.20	98TH	34.33
88.30	99TH	34.76

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
77.37	1ST	30.46
78.21	2ND	30.79
78.78	3RD	31.02
79.60	5TH	31.34
80.94	10TH	31.87
81.88	15TH	32.24
82.65	20TH	32.54
83.31	25TH	32.80
83.92	30TH	33.04
84.48	35TH	33.26
85.02	40TH	33.47
85.54	45TH	33.68
86.06	50TH	33.88
86.59	55TH	34.09
87.12	60TH	34.30
87.67	65TH	34.52
88.26	70TH	34.75
88.89	75TH	35.00
89.61	80TH	35.28
90.45	85TH	35.61
91.53	90TH	36.04
93.17	95TH	36.68
94.28	97TH	37.12
95.11	98TH	37.45
96.48	99TH	37.98

(D24) INDEX FINGER REACH, EXTENDED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
84.85	MEAN VALUE	33.41
.09	SE(MEAN)	.03
4.07	STD DEVIATION	1.60
.06	SE(STD DEV)	.02
103.80	MAXIMUM	40.87
71.10	MINIMUM	27.99

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SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.11  
COEF. OF VARIATION = 4.8%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
92.93	MEAN VALUE	36.59
.10	SE(MEAN)	.04
4.38	STD DEVIATION	1.72
.07	SE(STD DEV)	.03
111.40	MAXIMUM	43.86
78.10	MINIMUM	30.75

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SYMMETRY---VETA I = .15  
KURTOSIS---VETA II = 3.28  
COEF. OF VARIATION = 4.7%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
75.92	1ST	29.89
76.86	2ND	30.26
77.47	3RD	30.50
78.32	5TH	30.84
79.68	10TH	31.37
80.61	15TH	31.74
81.37	20TH	32.03
82.03	25TH	32.29
82.63	30TH	32.53
83.18	35TH	32.75
83.71	40TH	32.96
84.23	45TH	33.16
84.74	50TH	33.36
85.26	55TH	33.57
85.79	60TH	33.78
86.34	65TH	33.99
86.92	70TH	34.22
87.55	75TH	34.47
88.26	80TH	34.75
89.09	85TH	35.07
90.14	90TH	35.49
91.72	95TH	36.11
92.76	97TH	36.52
93.53	98TH	36.82
94.74	99TH	37.30

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
83.19	1ST	32.75
84.18	2ND	33.14
84.85	3RD	33.41
85.81	5TH	33.78
87.34	10TH	34.39
88.40	15TH	34.80
89.24	20TH	35.13
89.97	25TH	35.42
90.62	30TH	35.68
91.22	35TH	35.91
91.79	40TH	36.14
92.34	45TH	36.35
92.88	50TH	36.57
93.42	55TH	36.78
93.96	60TH	36.99
94.53	65TH	37.22
95.12	70TH	37.45
95.77	75TH	37.70
96.50	80TH	37.99
97.36	85TH	38.33
98.47	90TH	38.77
100.22	95TH	39.46
101.45	97TH	39.94
102.40	98TH	40.32
104.02	99TH	40.95

## (D25) NECK LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.79	MEAN VALUE	3.86
.02	SE(MEAN)	.01
1.07	STD DEVIATION	.42
.02	SE(STD DEV)	.01
13.30	MAXIMUM	5.24
5.90	MINIMUM	2.32

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 10.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.55	MEAN VALUE	4.15
.03	SE(MEAN)	.01
1.12	STD DEVIATION	.44
.02	SE(STD DEV)	.01
14.60	MAXIMUM	5.75
6.80	MINIMUM	2.68

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SYMMETRY---VETA I = -.09  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 10.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.37	1ST	2.90
7.63	2ND	3.00
7.80	3RD	3.07
8.04	5TH	3.17
8.42	10TH	3.31
8.68	15TH	3.42
8.88	20TH	3.50
9.06	25TH	3.57
9.22	30TH	3.63
9.37	35TH	3.69
9.51	40TH	3.75
9.65	45TH	3.80
9.79	50TH	3.85
9.92	55TH	3.91
10.06	60TH	3.96
10.20	65TH	4.02
10.35	70TH	4.07
10.51	75TH	4.14
10.69	80TH	4.21
10.90	85TH	4.29
11.16	90TH	4.40
11.56	95TH	4.55
11.82	97TH	4.65
12.02	98TH	4.73
12.33	99TH	4.85

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.79	1ST	3.07
8.15	2ND	3.21
8.37	3RD	3.30
8.67	5TH	3.41
9.11	10TH	3.59
9.40	15TH	3.70
9.62	20TH	3.79
9.81	25TH	3.86
9.98	30TH	3.93
10.14	35TH	3.99
10.29	40TH	4.05
10.43	45TH	4.11
10.57	50TH	4.16
10.71	55TH	4.22
10.85	60TH	4.27
10.99	65TH	4.33
11.14	70TH	4.39
11.31	75TH	4.45
11.49	80TH	4.52
11.70	85TH	4.61
11.96	90TH	4.71
12.35	95TH	4.86
12.60	97TH	4.96
12.78	98TH	5.03
13.06	99TH	5.14

## (D26) NECK-BUTTOCK LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
56.96	MEAN VALUE	22.43
.07	SE(MEAN)	.03
3.10	STD DEVIATION	1.22
.05	SE(STD DEV)	.02
67.30	MAXIMUM	26.50
47.80	MINIMUM	18.82

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 2.79  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
63.19	MEAN VALUE	24.88
.07	SE(MEAN)	.03
3.13	STD DEVIATION	1.23
.05	SE(STD DEV)	.02
72.80	MAXIMUM	28.66
52.70	MINIMUM	20.75

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SYMMETRY---VETA I = -.10  
 KURTOSIS---VETA II = 2.98  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
50.01	1ST	19.69
50.75	2ND	19.99
51.25	3RD	20.18
51.92	5TH	20.44
52.97	10TH	20.86
53.70	15TH	21.14
54.29	20TH	21.37
54.81	25TH	21.58
55.27	30TH	21.76
55.71	35TH	21.93
56.12	40TH	22.09
56.52	45TH	22.25
56.92	50TH	22.41
57.33	55TH	22.57
57.74	60TH	22.73
58.16	65TH	22.90
58.61	70TH	23.07
59.09	75TH	23.26
59.63	80TH	23.48
60.26	85TH	23.72
61.04	90TH	24.03
62.17	95TH	24.48
62.88	97TH	24.76
63.39	98TH	24.96
64.16	99TH	25.26

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
55.50	1ST	21.85
56.48	2ND	22.23
57.09	3RD	22.48
57.90	5TH	22.80
59.14	10TH	23.28
59.95	15TH	23.60
60.59	20TH	23.85
61.13	25TH	24.07
61.61	30TH	24.26
62.05	35TH	24.43
62.47	40TH	24.59
62.86	45TH	24.75
63.25	50TH	24.90
63.64	55TH	25.06
64.04	60TH	25.21
64.44	65TH	25.37
64.86	70TH	25.54
65.32	75TH	25.71
65.82	80TH	25.91
66.41	85TH	26.14
67.14	90TH	26.43
68.24	95TH	26.86
68.95	97TH	27.14
69.47	98TH	27.35
70.30	99TH	27.68

## (D27) NECK-GLUTEAL FURROW LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
66.36	MEAN VALUE	26.13
.07	SE (MEAN)	.03
3.14	STD DEVIATION	1.24
.05	SE (STD DEV)	.02
76.80	MAXIMUM	30.24
56.90	MINIMUM	22.40

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 2.81  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
70.50	MEAN VALUE	27.75
.08	SE (MEAN)	.03
3.21	STD DEVIATION	1.26
.05	SE (STD DEV)	.02
82.70	MAXIMUM	32.56
59.90	MINIMUM	23.58

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SYMMETRY---VETA I = -.08  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
59.35	1ST	23.37
60.16	2ND	23.68
60.65	3RD	23.88
61.33	5TH	24.14
62.36	10TH	24.55
63.07	15TH	24.83
63.65	20TH	25.06
64.15	25TH	25.26
64.61	30TH	25.44
65.04	35TH	25.61
65.45	40TH	25.77
65.86	45TH	25.93
66.26	50TH	26.09
66.68	55TH	26.25
67.10	60TH	26.42
67.53	65TH	26.59
68.00	70TH	26.77
68.51	75TH	26.97
69.08	80TH	27.20
69.74	85TH	27.46
70.56	90TH	27.78
71.75	95TH	28.25
72.48	97TH	28.53
72.99	98TH	28.73
73.72	99TH	29.02

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
62.77	1ST	24.71
63.72	2ND	25.09
64.32	3RD	25.32
65.12	5TH	25.64
66.35	10TH	26.12
67.17	15TH	26.45
67.82	20TH	26.70
68.37	25TH	26.92
68.86	30TH	27.11
69.31	35TH	27.29
69.73	40TH	27.45
70.14	45TH	27.62
70.55	50TH	27.77
70.95	55TH	27.93
71.35	60TH	28.09
71.77	65TH	28.26
72.21	70TH	28.43
72.68	75TH	28.62
73.21	80TH	28.82
73.82	85TH	29.06
74.58	90TH	29.36
75.72	95TH	29.81
76.45	97TH	30.10
76.99	98TH	30.31
77.84	99TH	30.64

## (D28) NECK-SCYE LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.43	MEAN VALUE	6.86
.03	SE(MEAN)	.01
1.32	STD DEVIATION	.52
.02	SE(STD DEV)	.01
21.40	MAXIMUM	8.43
12.10	MINIMUM	4.76

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SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.85	MEAN VALUE	7.82
.03	SE(MEAN)	.01
1.42	STD DEVIATION	.56
.02	SE(STD DEV)	.01
27.30	MAXIMUM	10.75
14.90	MINIMUM	5.87

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.36  
 COEF. OF VARIATION = 7.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.36	1ST	5.65
14.75	2ND	5.81
14.99	3RD	5.90
15.30	5TH	6.02
15.77	10TH	6.21
16.08	15TH	6.33
16.33	20TH	6.43
16.54	25TH	6.51
16.73	30TH	6.59
16.91	35TH	6.66
17.08	40TH	6.72
17.25	45TH	6.79
17.41	50TH	6.86
17.58	55TH	6.92
17.75	60TH	6.99
17.93	65TH	7.06
18.12	70TH	7.13
18.32	75TH	7.21
18.55	80TH	7.31
18.82	85TH	7.41
19.16	90TH	7.54
19.65	95TH	7.74
19.96	97TH	7.86
20.18	98TH	7.94
20.50	99TH	8.07

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.67	1ST	6.56
17.01	2ND	6.70
17.24	3RD	6.79
17.55	5TH	6.91
18.04	10TH	7.10
18.37	15TH	7.23
18.64	20TH	7.34
18.87	25TH	7.43
19.08	30TH	7.51
19.28	35TH	7.59
19.46	40TH	7.66
19.64	45TH	7.73
19.82	50TH	7.80
20.00	55TH	7.87
20.18	60TH	7.94
20.37	65TH	8.02
20.57	70TH	8.10
20.78	75TH	8.18
21.02	80TH	8.28
21.31	85TH	8.39
21.67	90TH	8.53
22.22	95TH	8.75
22.59	97TH	8.89
22.87	98TH	9.00
23.32	99TH	9.18



## (D29) PELVIC LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.72	MEAN VALUE	5.01
.03	SE(MEAN)	.01
1.52	STD DEVIATION	.60
.02	SE(STD DEV)	.01
18.10	MAXIMUM	7.13
8.10	MINIMUM	3.19

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 11.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.51	MEAN VALUE	5.71
.04	SE(MEAN)	.01
1.56	STD DEVIATION	.61
.03	SE(STD DEV)	.01
20.60	MAXIMUM	8.11
7.10	MINIMUM	2.80

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SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.26  
 COEF. OF VARIATION = 10.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.05	1ST	3.56
9.53	2ND	3.75
9.83	3RD	3.87
10.22	5TH	4.02
10.81	10TH	4.25
11.19	15TH	4.40
11.48	20TH	4.52
11.73	25TH	4.62
11.95	30TH	4.71
12.16	35TH	4.79
12.35	40TH	4.86
12.53	45TH	4.93
12.72	50TH	5.01
12.90	55TH	5.08
13.09	60TH	5.15
13.28	65TH	5.23
13.49	70TH	5.31
13.71	75TH	5.40
13.96	80TH	5.50
14.26	85TH	5.61
14.65	90TH	5.77
15.24	95TH	6.00
15.65	97TH	6.16
15.96	98TH	6.28
16.47	99TH	6.48

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.76	1ST	4.24
11.27	2ND	4.44
11.57	3RD	4.56
11.97	5TH	4.71
12.54	10TH	4.94
12.92	15TH	5.09
13.22	20TH	5.20
13.47	25TH	5.30
13.70	30TH	5.39
13.91	35TH	5.48
14.11	40TH	5.56
14.30	45TH	5.63
14.50	50TH	5.71
14.69	55TH	5.78
14.89	60TH	5.86
15.10	65TH	5.94
15.32	70TH	6.03
15.55	75TH	6.12
15.82	80TH	6.23
16.13	85TH	6.35
16.52	90TH	6.50
17.08	95TH	6.72
17.43	97TH	6.86
17.68	98TH	6.96
18.04	99TH	7.10

(D3G) RISE (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.52	MEAN VALUE	11.23
.05	SE(MEAN)	.02
2.37	STD DEVIATION	.93
.04	SE(STD DEV)	.01
37.50	MAXIMUM	14.76
19.60	MINIMUM	7.72

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SYMMETRY---VETA I = .03  
KURTOSIS---VETA II = 3.01  
COEF. OF VARIATION = 8.3%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
28.99	MEAN VALUE	11.41
.05	SE(MEAN)	.02
2.15	STD DEVIATION	.84
.04	SE(STD DEV)	.01
37.80	MAXIMUM	14.88
22.00	MINIMUM	8.66

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SYMMETRY---VETA I = .25  
KURTOSIS---VETA II = 3.36  
COEF. OF VARIATION = 7.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.92	1ST	9.02
23.66	2ND	9.32
24.11	3RD	9.49
24.68	5TH	9.72
25.53	10TH	10.05
26.09	15TH	10.27
26.53	20TH	10.44
26.91	25TH	10.59
27.25	30TH	10.73
27.57	35TH	10.85
27.88	40TH	10.98
28.18	45TH	11.09
28.48	50TH	11.21
28.78	55TH	11.33
29.09	60TH	11.45
29.41	65TH	11.58
29.75	70TH	11.71
30.12	75TH	11.86
30.54	80TH	12.03
31.03	85TH	12.22
31.64	90TH	12.45
32.51	95TH	12.80
33.04	97TH	13.01
33.41	98TH	13.15
33.93	99TH	13.36

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
24.20	1ST	9.53
24.75	2ND	9.74
25.10	3RD	9.88
25.58	5TH	10.07
26.31	10TH	10.36
26.81	15TH	10.55
27.20	20TH	10.71
27.54	25TH	10.84
27.84	30TH	10.96
28.13	35TH	11.07
28.39	40TH	11.18
28.65	45TH	11.28
28.91	50TH	11.38
29.17	55TH	11.49
29.44	60TH	11.59
29.72	65TH	11.70
30.02	70TH	11.82
30.34	75TH	11.95
30.71	80TH	12.09
31.16	85TH	12.27
31.74	90TH	12.50
32.65	95TH	12.86
33.29	97TH	13.11
33.78	98TH	13.30
34.61	99TH	13.63

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.08	MEAN VALUE	8.30
.04	SE(MEAN)	.02
1.85	STD DEVIATION	.73
.03	SE(STD DEV)	.01
27.60	MAXIMUM	10.87
13.70	MINIMUM	5.39

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SYMMETRY---VETA I = -.04  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 8.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
22.16	MEAN VALUE	8.72
.04	SE(MEAN)	.02
1.81	STD DEVIATION	.71
.03	SE(STD DEV)	.01
29.10	MAXIMUM	11.46
16.90	MINIMUM	6.65

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 8.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.65	1ST	6.55
17.21	2ND	6.78
17.56	3RD	6.91
18.02	5TH	7.10
18.72	10TH	7.37
19.18	15TH	7.55
19.54	20TH	7.69
19.85	25TH	7.82
20.13	30TH	7.93
20.38	35TH	8.02
20.62	40TH	8.12
20.86	45TH	8.21
21.08	50TH	8.30
21.31	55TH	8.39
21.55	60TH	8.48
21.79	65TH	8.58
22.04	70TH	8.68
22.31	75TH	8.78
22.62	80TH	8.91
22.98	85TH	9.05
23.43	90TH	9.23
24.11	95TH	9.49
24.56	97TH	9.67
24.89	98TH	9.80
25.41	99TH	10.01

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.99	1ST	7.08
18.43	2ND	7.26
18.73	3RD	7.37
19.15	5TH	7.54
19.82	10TH	7.80
20.28	15TH	7.98
20.64	20TH	8.12
20.95	25TH	8.25
21.22	30TH	8.36
21.48	35TH	8.45
21.71	40TH	8.55
21.94	45TH	8.64
22.17	50TH	8.73
22.39	55TH	8.81
22.61	60TH	8.90
22.84	65TH	8.99
23.09	70TH	9.09
23.35	75TH	9.19
23.64	80TH	9.31
23.99	85TH	9.44
24.43	90TH	9.62
25.12	95TH	9.89
25.59	97TH	10.08
25.97	98TH	10.22
26.60	99TH	10.47

## (D32) SHOULDER SLOPE

## FEMALE

<u>DEGREES</u>		<u>RADIANS</u>
25.74	MEAN VALUE	.45
.08	SE(MEAN)	.00
3.83	STD DEVIATION	.07
.06	SE(STD DEV)	.00
40.00	MAXIMUM	.07
12.00	MINIMUM	.02

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SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 15.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>DEGREES</u>		<u>RADIANS</u>
26.42	MEAN VALUE	.46
.09	SE(MEAN)	.00
3.96	STD DEVIATION	.07
.07	SE(STD DEV)	.00
42.00	MAXIMUM	.07
10.00	MINIMUM	.02

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SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 15.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>DEGREES</u>		<u>RADIANS</u>
16.25	1ST	.28
17.44	2ND	.30
18.18	3RD	.32
19.19	5TH	.33
20.70	10TH	.36
21.71	15TH	.38
22.49	20TH	.39
23.16	25TH	.40
23.76	30TH	.41
24.30	35TH	.42
24.82	40TH	.43
25.31	45TH	.44
25.79	50TH	.45
26.28	55TH	.46
26.76	60TH	.47
27.27	65TH	.48
27.79	70TH	.49
28.36	75TH	.49
28.99	80TH	.51
29.73	85TH	.52
30.66	90TH	.54
32.04	95TH	.56
32.95	97TH	.58
33.62	98TH	.59
34.70	99TH	.61

## THE PERCENTILES

<u>DEGREES</u>		<u>RADIANS</u>
17.70	1ST	.31
18.57	2ND	.32
19.15	3RD	.33
19.98	5TH	.35
21.32	10TH	.37
22.27	15TH	.39
23.03	20TH	.40
23.69	25TH	.41
24.30	30TH	.42
24.85	35TH	.43
25.39	40TH	.44
25.90	45TH	.45
26.41	50TH	.46
26.93	55TH	.47
27.44	60TH	.48
27.97	65TH	.49
28.53	70TH	.50
29.14	75TH	.51
29.80	80TH	.52
30.57	85TH	.53
31.52	90TH	.55
32.90	95TH	.57
33.76	97TH	.59
34.38	98TH	.60
35.33	99TH	.62

## (D33) SHOULDER-WAIST LENGTH (NATURAL INDENTATION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
27.70	MEAN VALUE	10.91
.05	SE(MEAN)	.02
2.39	STD DEVIATION	.94
.04	SE(STD DEV)	.01
37.00	MAXIMUM	14.57
18.00	MINIMUM	7.09

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SYMMETRY---VFTA I = .24  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 8.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
31.54	MEAN VALUE	12.42
.05	SE(MEAN)	.02
2.26	STD DEVIATION	.89
.04	SE(STD DEV)	.01
38.80	MAXIMUM	15.28
24.40	MINIMUM	9.61

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 2.88  
 COEF. OF VARIATION = 7.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
22.33	1ST	8.79
23.08	2ND	9.09
23.51	3RD	9.25
24.05	5TH	9.47
24.82	10TH	9.77
25.33	15TH	9.97
25.72	20TH	10.13
26.07	25TH	10.26
26.39	30TH	10.39
26.69	35TH	10.51
26.98	40TH	10.62
27.27	45TH	10.73
27.56	50TH	10.85
27.86	55TH	10.97
28.17	60TH	11.09
28.49	65TH	11.22
28.85	70TH	11.36
29.24	75TH	11.51
29.69	80TH	11.69
30.21	85TH	11.90
30.89	90TH	12.16
31.89	95TH	12.55
32.51	97TH	12.80
32.95	98TH	12.97
33.60	99TH	13.23

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
26.40	1ST	10.40
26.95	2ND	10.61
27.32	3RD	10.75
27.82	5TH	10.95
28.62	10TH	11.27
29.17	15TH	11.48
29.61	20TH	11.66
29.99	25TH	11.81
30.33	30TH	11.94
30.65	35TH	12.07
30.95	40TH	12.19
31.24	45TH	12.30
31.53	50TH	12.41
31.82	55TH	12.53
32.11	60TH	12.64
32.41	65TH	12.76
32.72	70TH	12.88
33.07	75TH	13.02
33.45	80TH	13.17
33.90	85TH	13.35
34.46	90TH	13.57
35.31	95TH	13.90
35.86	97TH	14.12
36.28	98TH	14.28
36.95	99TH	14.55

## (D34) SHOULDER-WAIST LENGTH (OMPHALION)

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.15	MEAN VALUE	13.84
.05	SE(MEAN)	.02
2.28	STD DEVIATION	.90
.03	SE(STD DEV)	.01
44.20	MAXIMUM	17.40
27.80	MINIMUM	10.94

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 6.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
38.37	MEAN VALUE	15.11
.06	SE(MEAN)	.02
2.56	STD DEVIATION	1.01
.04	SE(STD DEV)	.02
48.30	MAXIMUM	19.02
30.50	MINIMUM	12.01

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SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.15	1ST	11.87
30.69	2ND	12.08
31.04	3RD	12.22
31.53	5TH	12.41
32.28	10TH	12.71
32.80	15TH	12.91
33.21	20TH	13.07
33.57	25TH	13.22
33.90	30TH	13.35
34.21	35TH	13.47
34.50	40TH	13.58
34.79	45TH	13.70
35.07	50TH	13.81
35.36	55TH	13.92
35.65	60TH	14.04
35.96	65TH	14.16
36.29	70TH	14.29
36.65	75TH	14.43
37.05	80TH	14.59
37.52	85TH	14.77
38.13	90TH	15.01
39.06	95TH	15.38
39.67	97TH	15.62
40.12	98TH	15.80
40.85	99TH	16.08

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
32.65	1ST	12.85
33.29	2ND	13.11
33.70	3RD	13.27
34.27	5TH	13.49
35.15	10TH	13.84
35.74	15TH	14.07
36.22	20TH	14.26
36.63	25TH	14.42
37.00	30TH	14.57
37.34	35TH	14.70
37.67	40TH	14.83
37.99	45TH	14.95
38.30	50TH	15.08
38.62	55TH	15.20
38.94	60TH	15.33
39.28	65TH	15.46
39.63	70TH	15.60
40.02	75TH	15.76
40.47	80TH	15.93
40.99	85TH	16.14
41.67	90TH	16.40
42.72	95TH	16.82
43.43	97TH	17.10
43.98	98TH	17.31
44.88	99TH	17.67

## (D35) SLEEVE INSEAM

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
44.33	MEAN VALUE	17.45
.06	SE(MEAN)	.02
2.95	STD DEVIATION	1.16
.04	SE(STD DEV)	.02
55.30	MAXIMUM	21.77
32.60	MINIMUM	12.83

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 6.7%  
 NUMBER OF SUBJECTS = 2208

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## MAI

<u>CENTIMETERS</u>		<u>INCHES</u>
47.43	MEAN VALUE	18.67
.07	SE(MEAN)	.03
2.97	STD DEVIATION	1.17
.05	SE(STD DEV)	.02
59.00	MAXIMUM	23.23
36.90	MINIMUM	14.53

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.06  
 COEF. OF VARIATION = 6.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
37.79	1ST	14.88
38.47	2ND	15.15
38.92	3RD	15.32
39.54	5TH	15.57
40.54	10TH	15.96
41.24	15TH	16.24
41.80	20TH	16.46
42.29	25TH	16.65
42.73	30TH	16.82
43.14	35TH	16.98
43.53	40TH	17.14
43.91	45TH	17.29
44.28	50TH	17.43
44.66	55TH	17.58
45.04	60TH	17.73
45.44	65TH	17.89
45.86	70TH	18.05
46.31	75TH	18.23
46.82	80TH	18.43
47.41	85TH	18.66
48.15	90TH	18.96
49.25	95TH	19.39
49.97	97TH	19.67
50.50	98TH	19.88
51.34	99TH	20.21

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
40.94	1ST	16.12
41.58	2ND	16.37
42.02	3RD	16.54
42.64	5TH	16.79
43.63	10TH	17.18
44.32	15TH	17.45
44.88	20TH	17.67
45.38	25TH	17.86
45.82	30TH	18.04
46.23	35TH	18.20
46.62	40TH	18.36
47.00	45TH	18.51
47.38	50TH	18.65
47.76	55TH	18.80
48.15	60TH	18.96
48.55	65TH	19.11
48.97	70TH	19.28
49.42	75TH	19.46
49.94	80TH	19.66
50.53	85TH	19.89
51.28	90TH	20.19
52.40	95TH	20.63
53.13	97TH	20.92
53.67	98TH	21.13
54.53	99TH	21.47

(D36) SUPRASTERNAL HEIGHT, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
55.29	MEAN VALUE	21.77
.06	SE(MEAN)	.02
2.59	STD DEVIATION	1.02
.04	SE(STD DEV)	.02
64.10	MAXIMUM	25.24
46.50	MINIMUM	18.31

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SYMMETRY---VETA I = .06  
KURTOSIS---VETA II = 2.77  
COEF. OF VARIATION = 4.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
59.65	MEAN VALUE	23.48
.06	SE(MEAN)	.03
2.71	STD DEVIATION	1.07
.05	SE(STD DEV)	.02
68.40	MAXIMUM	26.93
50.40	MINIMUM	19.84

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SYMMETRY---VETA I = -.02  
KURTOSIS---VETA II = 2.98  
COEF. OF VARIATION = 4.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
49.77	1ST	19.59
50.26	2ND	19.79
50.60	3RD	19.92
51.09	5TH	20.12
51.93	10TH	20.44
52.53	15TH	20.68
53.02	20TH	20.87
53.45	25TH	21.04
53.85	30TH	21.20
54.22	35TH	21.34
54.57	40TH	21.48
54.91	45TH	21.62
55.26	50TH	21.75
55.60	55TH	21.89
55.95	60TH	22.03
56.30	65TH	22.17
56.68	70TH	22.32
57.09	75TH	22.48
57.54	80TH	22.65
58.05	85TH	22.85
58.69	90TH	23.11
59.60	95TH	23.45
60.17	97TH	23.69
60.57	98TH	23.85
61.17	99TH	24.08

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
53.14	1ST	20.92
54.01	2ND	21.27
54.54	3RD	21.47
55.22	5TH	21.74
56.22	10TH	22.13
56.87	15TH	22.39
57.39	20TH	22.59
57.83	25TH	22.77
58.22	30TH	22.92
58.59	35TH	23.07
58.94	40TH	23.21
59.28	45TH	23.34
59.62	50TH	23.47
59.97	55TH	23.61
60.31	60TH	23.75
60.68	65TH	23.89
61.06	70TH	24.04
61.48	75TH	24.21
61.95	80TH	24.39
62.50	85TH	24.61
63.19	90TH	24.88
64.19	95TH	25.27
64.81	97TH	25.52
65.25	98TH	25.69
65.90	99TH	25.95



## (D37) THIGH LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
40.05	MEAN VALUE	15.77
.05	SE(MEAN)	.02
2.35	STD DEVIATION	.92
.04	SE(STD DEV)	.01
50.40	MAXIMUM	19.84
31.40	MINIMUM	12.36

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SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.38  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
42.67	MEAN VALUE	16.80
.06	SE(MEAN)	.02
2.51	STD DEVIATION	.99
.04	SE(STD DEV)	.02
53.60	MAXIMUM	21.10
34.30	MINIMUM	13.50

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.84	1ST	13.72
35.39	2ND	13.93
35.76	3RD	14.08
36.27	5TH	14.28
37.08	10TH	14.60
37.64	15TH	14.82
38.08	20TH	14.99
38.47	25TH	15.14
38.81	30TH	15.28
39.13	35TH	15.41
39.43	40TH	15.52
39.72	45TH	15.64
40.01	50TH	15.75
40.30	55TH	15.87
40.60	60TH	15.98
40.90	65TH	16.10
41.23	70TH	16.23
41.58	75TH	16.37
41.97	80TH	16.53
42.44	85TH	16.71
43.04	90TH	16.95
43.97	95TH	17.31
44.61	97TH	17.56
45.10	98TH	17.76
45.92	99TH	18.08

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
36.82	1ST	14.50
37.61	2ND	14.81
38.07	3RD	14.99
38.67	5TH	15.23
39.55	10TH	15.57
40.12	15TH	15.80
40.58	20TH	15.97
40.97	25TH	16.13
41.33	30TH	16.27
41.66	35TH	16.40
41.98	40TH	16.53
42.29	45TH	16.65
42.60	50TH	16.77
42.92	55TH	16.90
43.24	60TH	17.02
43.58	65TH	17.16
43.95	70TH	17.30
44.34	75TH	17.46
44.79	80TH	17.63
45.31	85TH	17.84
45.96	90TH	18.09
46.90	95TH	18.47
47.48	97TH	18.69
47.88	98TH	18.85
48.45	99TH	19.07

## (D38) THORAX LINK

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
36.36	MEAN VALUE	14.31
.04	SE(MEAN)	.02
2.06	STD DEVIATION	.81
.03	SE(STD DEV)	.01
44.60	MAXIMUM	17.56
29.90	MINIMUM	11.77

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SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 2.94  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
39.82	MEAN VALUE	15.68
.05	SE(MEAN)	.02
2.18	STD DEVIATION	.86
.04	SE(STD DEV)	.01
48.80	MAXIMUM	19.21
33.60	MINIMUM	13.23

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SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
31.81	1ST	12.53
32.28	2ND	12.71
32.58	3RD	12.83
33.02	5TH	13.00
33.71	10TH	13.27
34.19	15TH	13.46
34.58	20TH	13.62
34.93	25TH	13.75
35.23	30TH	13.87
35.52	35TH	13.98
35.79	40TH	14.09
36.06	45TH	14.20
36.32	50TH	14.30
36.59	55TH	14.40
36.86	60TH	14.51
37.13	65TH	14.62
37.43	70TH	14.73
37.74	75TH	14.86
38.10	80TH	15.00
38.51	85TH	15.16
39.03	90TH	15.37
39.79	95TH	15.67
40.29	97TH	15.86
40.65	98TH	16.00
41.22	99TH	16.23

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.69	1ST	13.66
35.30	2ND	13.90
35.69	3RD	14.05
36.21	5TH	14.25
37.01	10TH	14.57
37.55	15TH	14.78
37.98	20TH	14.95
38.34	25TH	15.10
38.67	30TH	15.23
38.98	35TH	15.35
39.27	40TH	15.46
39.55	45TH	15.57
39.83	50TH	15.68
40.10	55TH	15.79
40.38	60TH	15.90
40.67	65TH	16.01
40.98	70TH	16.13
41.31	75TH	16.26
41.68	80TH	16.41
42.10	85TH	16.58
42.64	90TH	16.79
43.43	95TH	17.10
43.94	97TH	17.30
44.31	98TH	17.44
44.88	99TH	17.67

## (D39) THUMB TIP REACH, EXTENDED

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
79.69	MEAN VALUE	31.38
.08	SE(MEAN)	.03
3.85	STD DEVIATION	1.52
.06	SE(STD DEV)	.02
97.70	MAXIMUM	38.46
66.70	MINIMUM	26.26

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
87.28	MEAN VALUE	34.36
.10	SE(MEAN)	.04
4.16	STD DEVIATION	1.64
.07	SE(STD DEV)	.03
104.60	MAXIMUM	41.18
73.40	MINIMUM	28.90

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SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
71.15	1ST	28.01
72.05	2ND	28.36
72.63	3RD	28.60
73.45	5TH	28.92
74.76	10TH	29.43
75.66	15TH	29.79
76.38	20TH	30.07
77.02	25TH	30.32
77.59	30TH	30.55
78.12	35TH	30.76
78.63	40TH	30.96
79.12	45TH	31.15
79.61	50TH	31.34
80.10	55TH	31.54
80.60	60TH	31.73
81.12	65TH	31.94
81.66	70TH	32.15
82.26	75TH	32.39
82.93	80TH	32.65
83.70	85TH	32.95
84.69	90TH	33.34
86.17	95TH	33.92
87.14	97TH	34.31
87.86	98TH	34.59
89.00	99TH	35.04

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
77.92	1ST	30.68
78.89	2ND	31.06
79.55	3RD	31.32
80.48	5TH	31.68
81.96	10TH	32.27
82.97	15TH	32.67
83.78	20TH	32.98
84.48	25TH	33.26
85.10	30TH	33.50
85.67	35TH	33.73
86.22	40TH	33.94
86.74	45TH	34.15
87.25	50TH	34.35
87.76	55TH	34.55
88.28	60TH	34.76
88.81	65TH	34.97
89.38	70TH	35.19
89.99	75TH	35.43
90.68	80TH	35.70
91.49	85TH	36.02
92.54	90TH	36.43
94.18	95TH	37.08
95.33	97TH	37.53
96.22	98TH	37.88
97.74	99TH	38.48

## (D40) TRAGION HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
150.59	MEAN VALUE	59.29
.13	SE(MEAN)	.05
6.23	STD DEVIATION	2.45
.09	SE(STD DEV)	.04
173.90	MAXIMUM	68.46
131.50	MINIMUM	51.77

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
162.49	MEAN VALUE	63.97
.16	SE(MEAN)	.06
6.54	STD DEVIATION	2.58
.11	SE(STD DEV)	.04
190.30	MAXIMUM	74.92
137.10	MINIMUM	53.98

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 4.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
136.31	1ST	53.66
138.12	2ND	54.38
139.21	3RD	54.81
140.65	5TH	55.37
142.79	10TH	56.22
144.21	15TH	56.78
145.34	20TH	57.22
146.33	25TH	57.61
147.21	30TH	57.96
148.04	35TH	58.28
148.84	40TH	58.60
149.61	45TH	58.90
150.39	50TH	59.21
151.18	55TH	59.52
151.99	60TH	59.84
152.83	65TH	60.17
153.73	70TH	60.52
154.71	75TH	60.91
155.82	80TH	61.35
157.11	85TH	61.86
158.75	90TH	62.50
161.16	95TH	63.45
162.67	97TH	64.04
163.75	98TH	64.47
165.36	99TH	65.10

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
147.44	1ST	58.05
149.24	2ND	58.76
150.36	3RD	59.20
151.86	5TH	59.79
154.15	10TH	60.69
155.70	15TH	61.30
156.93	20TH	61.78
158.00	25TH	62.20
158.96	30TH	62.58
159.86	35TH	62.94
160.72	40TH	63.28
161.56	45TH	63.60
162.39	50TH	63.93
163.23	55TH	64.26
164.08	60TH	64.60
164.96	65TH	64.95
165.90	70TH	65.32
166.92	75TH	65.72
168.05	80TH	66.16
169.37	85TH	66.68
171.01	90TH	67.33
173.39	95TH	68.26
174.87	97TH	68.85
175.91	98TH	69.26
177.45	99TH	69.86

## (D41) TRAGION HEIGHT, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
72.85	MEAN VALUE	28.68
.07	SE(MEAN)	.03
3.31	STD DEVIATION	1.30
.05	SE(STD DEV)	.02
84.00	MAXIMUM	33.07
63.00	MINIMUM	24.80

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 2.81  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
78.30	MEAN VALUE	30.83
.08	SE(MEAN)	.03
3.38	STD DEVIATION	1.33
.06	SE(STD DEV)	.02
89.30	MAXIMUM	35.16
67.70	MINIMUM	26.65

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SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 2.89  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
65.48	1ST	25.78
66.27	2ND	26.09
66.78	3RD	26.29
67.48	5TH	26.57
68.59	10TH	27.01
69.37	15TH	27.31
69.99	20TH	27.55
70.54	25TH	27.77
71.03	30TH	27.96
71.49	35TH	28.15
71.93	40TH	28.32
72.36	45TH	28.49
72.79	50TH	28.66
73.22	55TH	28.83
73.66	60TH	29.00
74.11	65TH	29.18
74.59	70TH	29.37
75.11	75TH	29.57
75.69	80TH	29.80
76.36	85TH	30.06
77.19	90TH	30.39
78.41	95TH	30.87
79.17	97TH	31.17
79.71	98TH	31.38
80.52	99TH	31.70

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
70.14	1ST	27.61
71.17	2ND	28.02
71.81	3RD	28.27
72.66	5TH	28.60
73.93	10TH	29.10
74.77	15TH	29.44
75.43	20TH	29.70
76.01	25TH	29.92
76.52	30TH	30.13
77.00	35TH	30.31
77.45	40TH	30.49
77.89	45TH	30.66
78.32	50TH	30.83
78.75	55TH	31.01
79.19	60TH	31.18
79.65	65TH	31.36
80.13	70TH	31.55
80.64	75TH	31.75
81.22	80TH	31.97
81.87	85TH	32.23
82.68	90TH	32.55
83.83	95TH	33.01
84.53	97TH	33.28
85.02	98TH	33.47
85.71	99TH	33.74

## (D42) VERTICAL GRIP REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
194.73	MEAN VALUE	76.67
.19	SE(MEAN)	.07
8.71	STD DEVIATION	3.43
.13	SE(STD DEV)	.05
226.00	MAXIMUM	88.98
162.20	MINIMUM	63.86

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
210.74	MEAN VALUE	82.97
.22	SE(MEAN)	.09
9.24	STD DEVIATION	3.64
.16	SE(STD DEV)	.06
253.40	MAXIMUM	99.76
169.90	MINIMUM	66.89

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
174.63	1ST	68.75
177.23	2ND	69.78
178.79	3RD	70.39
180.83	5TH	71.19
183.85	10TH	72.38
185.85	15TH	73.17
187.43	20TH	73.79
188.81	25TH	74.33
190.05	30TH	74.82
191.21	35TH	75.28
192.32	40TH	75.72
193.41	45TH	76.15
194.50	50TH	76.57
195.60	55TH	77.01
196.73	60TH	77.45
197.90	65TH	77.91
199.16	70TH	78.41
200.53	75TH	78.95
202.07	80TH	79.56
203.87	85TH	80.26
206.14	90TH	81.16
209.44	95TH	82.46
211.51	97TH	83.27
212.96	98TH	83.84
215.10	99TH	84.68

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
189.28	1ST	74.52
192.01	2ND	75.60
193.66	3RD	76.25
195.84	5TH	77.10
199.08	10TH	78.38
201.25	15TH	79.23
202.96	20TH	79.91
204.46	25TH	80.49
205.80	30TH	81.02
207.05	35TH	81.52
208.25	40TH	81.99
209.43	45TH	82.45
210.59	50TH	82.91
211.77	55TH	83.38
212.97	60TH	83.85
214.23	65TH	84.34
215.55	70TH	84.86
216.99	75TH	85.43
218.60	80TH	86.06
220.45	85TH	86.79
222.76	90TH	87.70
226.04	95TH	88.99
228.03	97TH	89.77
229.39	98TH	90.31
231.31	99TH	91.07

## (D43) VERTICAL GRIP REACH DOWN

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
60.95	MEAN VALUE	24.00
.07	SE(MEAN)	.03
3.27	STD DEVIATION	1.29
.05	SE(STD DEV)	.02
73.50	MAXIMUM	28.94
49.20	MINIMUM	19.37

---

SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
66.57	MEAN VALUE	26.21
.08	SE(MEAN)	.03
3.33	STD DEVIATION	1.31
.06	SE(STD DEV)	.02
81.40	MAXIMUM	32.05
54.10	MINIMUM	21.30

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 5.0%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
53.55	1ST	21.08
54.42	2ND	21.43
54.97	3RD	21.64
55.71	5TH	21.93
56.84	10TH	22.38
57.61	15TH	22.68
58.21	20TH	22.92
58.74	25TH	23.13
59.21	30TH	23.31
59.65	35TH	23.48
60.07	40TH	23.65
60.48	45TH	23.81
60.88	50TH	23.97
61.29	55TH	24.13
61.70	60TH	24.29
62.14	65TH	24.46
62.60	70TH	24.64
63.10	75TH	24.84
63.66	80TH	25.06
64.32	85TH	25.32
65.16	90TH	25.65
66.42	95TH	26.15
67.25	97TH	26.48
67.86	98TH	26.72
68.82	99TH	27.09

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
59.08	1ST	23.26
59.95	2ND	23.60
60.50	3RD	23.82
61.23	5TH	24.11
62.36	10TH	24.55
63.13	15TH	24.85
63.74	20TH	25.09
64.28	25TH	25.31
64.76	30TH	25.50
65.21	35TH	25.67
65.65	40TH	25.84
66.07	45TH	26.01
66.49	50TH	26.18
66.92	55TH	26.35
67.35	60TH	26.52
67.81	65TH	26.70
68.29	70TH	26.89
68.81	75TH	27.09
69.40	80TH	27.32
70.09	85TH	27.59
70.96	90TH	27.94
72.23	95TH	28.44
73.04	97TH	28.75
73.61	98TH	28.98
74.49	99TH	29.33

(D44) VERTICAL GRIP REACH, EXTENDED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
203.92	MEAN VALUE	80.28
.19	SE(MEAN)	.08
8.97	STD DEVIATION	3.53
.13	SE(STD DEV)	.05
235.50	MAXIMUM	92.72
172.10	MINIMUM	67.76

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SYMMETRY---VETA I = .07  
KURTOSIS---VETA II = 3.01  
COEF. OF VARIATION = 4.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
220.40	MEAN VALUE	86.77
.22	SE(MEAN)	.09
9.47	STD DEVIATION	3.73
.16	SE(STD DEV)	.06
266.90	MAXIMUM	105.08
181.70	MINIMUM	71.54

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SYMMETRY---VETA I = .09  
KURTOSIS---VETA II = 3.23  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
183.10	1ST	72.09
185.83	2ND	73.16
187.46	3RD	73.80
189.59	5TH	74.64
192.73	10TH	75.88
194.80	15TH	76.69
196.43	20TH	77.34
197.85	25TH	77.89
199.13	30TH	78.40
200.32	35TH	78.87
201.46	40TH	79.32
202.58	45TH	79.76
203.70	50TH	80.20
204.83	55TH	80.64
205.98	60TH	81.09
207.19	65TH	81.57
208.47	70TH	82.08
209.88	75TH	82.63
211.47	80TH	83.25
213.31	85TH	83.98
215.65	90TH	84.90
219.05	95TH	86.24
221.19	97TH	87.08
222.70	98TH	87.68
224.93	99TH	88.55

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
198.56	1ST	78.17
201.29	2ND	79.25
202.94	3RD	79.90
205.13	5TH	80.76
208.40	10TH	82.05
210.60	15TH	82.91
212.34	20TH	83.60
213.86	25TH	84.20
215.24	30TH	84.74
216.52	35TH	85.24
217.75	40TH	85.73
218.96	45TH	86.20
220.16	50TH	86.68
221.38	55TH	87.16
222.62	60TH	87.65
223.91	65TH	88.16
225.29	70TH	88.70
226.78	75TH	89.28
228.46	80TH	89.94
230.39	85TH	90.70
232.80	90TH	91.65
236.25	95TH	93.01
238.35	97TH	93.84
239.80	98TH	94.41
241.86	99TH	95.22



## (D45) VERTICAL GRIP REACH, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
121.23	MEAN VALUE	47.73
.11	SE (MEAN)	.04
5.13	STD DEVIATION	2.02
.08	SE (STD DEV)	.03
138.60	MAXIMUM	54.57
103.00	MINIMUM	40.55

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SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 2.94  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
130.98	MEAN VALUE	51.57
.13	SE (MEAN)	.05
5.45	STD DEVIATION	2.15
.09	SE (STD DEV)	.04
155.10	MAXIMUM	61.06
106.40	MINIMUM	41.89

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SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 3.23  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
109.24	1ST	43.01
110.60	2ND	43.54
111.48	3RD	43.89
112.69	5TH	44.36
114.57	10TH	45.11
115.86	15TH	45.61
116.87	20TH	46.01
117.76	25TH	46.36
118.54	30TH	46.67
119.27	35TH	46.96
119.96	40TH	47.23
120.62	45TH	47.49
121.28	50TH	47.75
121.93	55TH	48.01
122.59	60TH	48.27
123.27	65TH	48.53
123.99	70TH	48.81
124.75	75TH	49.12
125.61	80TH	49.45
126.59	85TH	49.84
127.82	90TH	50.32
129.61	95TH	51.03
130.76	97TH	51.48
131.60	98TH	51.81
132.90	99TH	52.32

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
117.75	1ST	46.36
119.64	2ND	47.10
120.74	3RD	47.53
122.14	5TH	48.09
124.15	10TH	48.88
125.45	15TH	49.39
126.46	20TH	49.79
127.34	25TH	50.13
128.12	30TH	50.44
128.84	35TH	50.73
129.54	40TH	51.00
130.22	45TH	51.27
130.90	50TH	51.54
131.59	55TH	51.81
132.29	60TH	52.08
133.02	65TH	52.37
133.80	70TH	52.68
134.64	75TH	53.01
135.60	80TH	53.38
136.70	85TH	53.82
138.08	90TH	54.36
140.05	95TH	55.14
141.25	97TH	55.61
142.06	98TH	55.93
143.20	99TH	56.38

## (D46) VERTICAL INDEX FINGERTIP REACH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
205.02	MEAN VALUE	80.72
.20	SE(MEAN)	.08
9.20	STD DEVIATION	3.62
.14	SE(STD DEV)	.05
237.40	MAXIMUM	93.46
170.90	MINIMUM	67.28

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
221.85	MEAN VALUE	87.34
.23	SE(MEAN)	.09
9.71	STD DEVIATION	3.82
.16	SE(STD DEV)	.06
266.40	MAXIMUM	104.88
178.90	MINIMUM	70.43

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SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.29  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
183.76	1ST	72.35
186.51	2ND	73.43
188.17	3RD	74.08
190.33	5TH	74.93
193.53	10TH	76.19
195.66	15TH	77.03
197.33	20TH	77.69
198.79	25TH	78.26
200.10	30TH	78.78
201.33	35TH	79.26
202.50	40TH	79.73
203.65	45TH	80.18
204.80	50TH	80.63
205.96	55TH	81.09
207.15	60TH	81.55
208.39	65TH	82.04
209.71	70TH	82.56
211.15	75TH	83.13
212.78	80TH	83.77
214.67	85TH	84.51
217.06	90TH	85.46
220.53	95TH	86.82
222.71	97TH	87.68
224.24	98TH	88.28
226.50	99TH	89.17

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
199.37	1ST	78.49
202.21	2ND	79.61
203.93	3RD	80.29
206.19	5TH	81.18
209.58	10TH	82.51
211.84	15TH	83.40
213.64	20TH	84.11
215.21	25TH	84.73
216.62	30TH	85.29
217.95	35TH	85.81
219.22	40TH	86.31
220.45	45TH	86.79
221.69	50TH	87.28
222.94	55TH	87.77
224.22	60TH	88.27
225.54	65TH	88.80
226.95	70TH	89.35
228.47	75TH	89.95
230.18	80TH	90.62
232.13	85TH	91.39
234.56	90TH	92.35
237.98	95TH	93.69
240.02	97TH	94.50
241.40	98TH	95.04
243.30	99TH	95.79

## (D47) VERTICAL INDEX FINGERTIP REACH DOWN

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
71.24	MEAN VALUE	28.05
.08	SE(MEAN)	.03
3.76	STD DEVIATION	1.48
.06	SE(STD DEV)	.02
35.80	MAXIMUM	33.78
57.60	MINIMUM	22.68

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SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
77.68	MEAN VALUE	30.58
.09	SE(MEAN)	.04
3.80	STD DEVIATION	1.49
.06	SE(STD DEV)	.03
94.10	MAXIMUM	37.05
63.10	MINIMUM	24.84

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.18  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
62.72	1ST	24.69
63.70	2ND	25.08
64.32	3RD	25.32
65.16	5TH	25.65
66.47	10TH	26.17
67.36	15TH	26.52
68.06	20TH	26.80
68.68	25TH	27.04
69.23	30TH	27.26
69.75	35TH	27.46
70.24	40TH	27.65
70.71	45TH	27.94
71.18	50TH	28.03
71.66	55TH	28.21
72.14	60TH	28.40
72.65	65TH	28.60
73.18	70TH	28.81
73.76	75TH	29.04
74.41	80TH	29.30
75.17	85TH	29.59
76.13	90TH	29.97
77.57	95TH	30.54
78.51	97TH	30.91
79.20	98TH	31.18
80.28	99TH	31.61

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
69.25	1ST	27.26
70.25	2ND	27.66
70.86	3RD	27.90
71.68	5TH	28.22
72.92	10TH	28.71
73.77	15TH	29.04
74.45	20TH	29.31
75.04	25TH	29.55
75.59	30TH	29.76
76.10	35TH	29.96
76.59	40TH	30.15
77.07	45TH	30.34
77.56	50TH	30.53
78.05	55TH	30.73
78.55	60TH	30.92
79.07	65TH	31.13
79.63	70TH	31.35
80.24	75TH	31.59
80.93	80TH	31.86
81.72	85TH	32.17
82.72	90TH	32.57
84.15	95TH	33.13
85.03	97TH	33.48
85.65	98TH	33.72
86.53	99TH	34.07

## (D48) VERTICAL INDEX FINGERTIP REACH, EXTENDED

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
214.22	MEAN VALUE	84.34
.20	SE(MEAN)	.08
9.46	STD DEVIATION	3.72
.14	SE(STD DEV)	.06
246.90	MAXIMUM	97.20
180.80	MINIMUM	71.18

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
231.51	MEAN VALUE	91.14
.24	SE(MEAN)	.09
9.95	STD DEVIATION	3.92
.17	SE(STD DEV)	.07
279.90	MAXIMUM	110.20
190.70	MINIMUM	75.08

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SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
192.50	1ST	75.79
195.27	2ND	76.88
196.94	3RD	77.54
199.14	5TH	78.40
202.41	10TH	79.69
204.58	15TH	80.54
206.31	20TH	81.22
207.81	25TH	81.81
209.16	30TH	82.35
210.42	35TH	82.84
211.64	40TH	83.32
212.82	45TH	83.79
214.00	50TH	84.25
215.20	55TH	84.72
216.42	60TH	85.21
217.70	65TH	85.71
219.05	70TH	86.24
220.53	75TH	86.82
222.20	80TH	87.48
224.12	85TH	88.24
226.55	90TH	89.19
230.07	95TH	90.58
232.25	97TH	91.44
233.77	98TH	92.04
236.00	99TH	92.91

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
208.78	1ST	82.20
211.56	2ND	83.29
213.27	3RD	83.96
215.52	5TH	84.85
218.94	10TH	86.20
221.24	15TH	87.10
223.07	20TH	87.82
224.67	25TH	88.45
226.11	30TH	89.02
227.46	35TH	89.55
228.75	40TH	90.06
230.01	45TH	90.56
231.28	50TH	91.05
232.55	55TH	91.56
233.85	60TH	92.07
235.20	65TH	92.60
236.64	70TH	93.16
238.20	75TH	93.78
239.95	80TH	94.47
241.97	85TH	95.26
244.51	90TH	96.26
248.14	95TH	97.69
250.38	97TH	98.57
251.94	98TH	99.19
254.18	99TH	100.07

(D49) VERTICAL INDEX FINGERTIP REACH, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
131.53	MEAN VALUE	51.78
.12	SE(MEAN)	.05
5.55	STD DEVIATION	2.19
.08	SE(STD DEV)	.03
149.90	MAXIMUM	59.02
111.70	MINIMUM	43.98

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SYMMETRY---VETA I = -.03  
KURTOSIS---VETA II = 2.92  
COEF. OF VARIATION = 4.28  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
142.09	MEAN VALUE	55.94
.14	SE(MEAN)	.05
5.87	STD DEVIATION	2.31
.10	SE(STD DEV)	.04
168.10	MAXIMUM	66.18
115.40	MINIMUM	45.43

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SYMMETRY---VETA I = -.03  
KURTOSIS---VETA II = 3.28  
COEF. OF VARIATION = 4.18  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
118.78	1ST	46.76
120.11	2ND	47.29
121.01	3RD	47.64
122.27	5TH	48.14
124.28	10TH	48.93
125.67	15TH	49.48
126.78	20TH	49.91
127.74	25TH	50.29
128.51	30TH	50.63
129.40	35TH	50.94
130.15	40TH	51.24
130.87	45TH	51.52
131.59	50TH	51.81
132.30	55TH	52.08
133.01	60TH	52.37
133.74	65TH	52.65
134.51	70TH	52.96
135.33	75TH	53.28
136.25	80TH	53.64
137.31	85TH	54.06
138.63	90TH	54.58
140.59	95TH	55.35
141.86	97TH	55.65
142.81	98TH	56.22
144.32	99TH	56.82

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
128.17	1ST	50.46
129.98	2ND	51.17
131.08	3RD	51.61
132.51	5TH	52.17
134.65	10TH	53.01
136.06	15TH	53.57
137.17	20TH	54.00
138.13	25TH	54.38
138.99	30TH	54.72
139.78	35TH	55.03
140.55	40TH	55.33
141.29	45TH	55.63
142.03	50TH	55.92
142.77	55TH	56.21
143.52	60TH	56.51
144.31	65TH	56.81
145.14	70TH	57.14
146.04	75TH	57.50
147.06	80TH	57.90
148.23	85TH	58.36
149.69	90TH	58.93
151.81	95TH	59.77
153.13	97TH	60.29
154.05	98TH	60.65
155.40	99TH	61.18

(D50) VERTICAL THUMB TIP REACH DOWN

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
66.09	MEAN VALUE	26.02
.08	SE(MEAN)	.03
3.55	STD DEVIATION	1.40
.05	SE(STD DEV)	.02
79.50	MAXIMUM	31.30
53.20	MINIMUM	20.94

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SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 3.07  
COEF. OF VARIATION = 5.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
72.04	MEAN VALUE	28.36
.08	SE(MEAN)	.03
3.58	STD DEVIATION	1.41
.06	SE(STD DEV)	.02
87.30	MAXIMUM	34.37
58.40	MINIMUM	22.99

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SYMMETRY---VETA I = .13  
KURTOSIS---VETA II = 3.13  
COEF. OF VARIATION = 5.0%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
58.11	1ST	22.88
58.98	2ND	23.22
59.55	3RD	23.44
60.33	5TH	23.75
61.57	10TH	24.24
62.41	15TH	24.57
63.09	20TH	24.84
63.67	25TH	25.07
64.20	30TH	25.27
64.68	35TH	25.47
65.15	40TH	25.65
65.60	45TH	25.83
66.04	50TH	26.00
66.49	55TH	26.18
66.94	60TH	26.35
67.41	65TH	26.54
67.91	70TH	26.74
68.45	75TH	26.95
69.05	80TH	27.19
69.76	85TH	27.46
70.66	90TH	27.82
72.01	95TH	28.35
72.90	97TH	28.70
73.57	98TH	28.97
74.65	99TH	29.39

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
64.15	1ST	25.26
65.02	2ND	25.60
65.58	3RD	25.82
66.33	5TH	26.11
67.51	10TH	26.58
68.31	15TH	26.90
68.97	20TH	27.15
69.54	25TH	27.36
70.06	30TH	27.58
70.55	35TH	27.77
71.01	40TH	27.96
71.47	45TH	28.14
71.93	50TH	28.32
72.39	55TH	28.50
72.87	60TH	28.69
73.36	65TH	28.88
73.88	70TH	29.09
74.45	75TH	29.31
75.09	80TH	29.56
75.83	85TH	29.85
76.76	90TH	30.22
78.11	95TH	30.75
78.95	97TH	31.08
79.55	98TH	31.32
80.45	99TH	31.67

## (D51) VERTICAL THUMB TIP REACH, SITTING

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
126.37	MEAN VALUE	49.75
.11	SE(MEAN)	.04
5.36	STD DEVIATION	2.11
.08	SE(STD DEV)	.03
144.30	MAXIMUM	56.81
107.40	MINIMUM	42.28

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SYMMETRY---VETA I = -.04  
 KURTOSIS---VETA II = 2.91  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
136.44	MEAN VALUE	53.72
.13	SE(MEAN)	.05
5.68	STD DEVIATION	2.24
.10	SE(STD DEV)	.04
161.30	MAXIMUM	63.50
110.70	MINIMUM	43.58

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SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
113.96	1ST	44.87
115.30	2ND	45.39
116.18	3RD	45.74
117.41	5TH	46.22
119.36	10TH	46.99
120.71	15TH	47.52
121.77	20TH	47.94
122.70	25TH	48.31
123.53	30TH	48.63
124.30	35TH	48.94
125.02	40TH	49.22
125.72	45TH	49.50
126.42	50TH	49.77
127.10	55TH	50.04
127.80	60TH	50.31
128.51	65TH	50.59
129.25	70TH	50.89
130.06	75TH	51.20
130.95	80TH	51.56
131.98	85TH	51.96
133.26	90TH	52.47
135.15	95TH	53.21
136.36	97TH	53.69
137.26	98TH	54.04
138.66	99TH	54.59

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
122.95	1ST	48.41
124.76	2ND	49.12
125.84	3RD	49.54
127.24	5TH	50.09
129.29	10TH	50.90
130.64	15TH	51.43
131.70	20TH	51.85
132.62	25TH	52.21
133.44	30TH	52.54
134.21	35TH	52.84
134.94	40TH	53.13
135.66	45TH	53.41
136.38	50TH	53.69
137.10	55TH	53.98
137.83	60TH	54.27
138.60	65TH	54.57
139.42	70TH	54.89
140.30	75TH	55.24
141.30	80TH	55.63
142.45	85TH	56.08
143.88	90TH	56.65
145.93	95TH	57.45
147.18	97TH	57.95
148.04	98TH	58.28
149.26	99TH	58.76

## (D52) VERTICAL WRIST HEIGHT

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
188.10	MEAN VALUE	74.06
.18	SE(MEAN)	.07
8.55	STD DEVIATION	3.37
.13	SE(STD DEV)	.05
218.10	MAXIMUM	85.87
156.00	MINIMUM	61.42

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SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
203.76	MEAN VALUE	80.22
.22	SE(MEAN)	.08
9.07	STD DEVIATION	3.57
.15	SE(STD DEV)	.06
244.80	MAXIMUM	96.38
163.80	MINIMUM	64.49

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.26  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
168.38	1ST	66.29
170.93	2ND	67.29
172.46	3RD	67.90
174.46	5TH	68.68
177.42	10TH	69.85
179.39	15TH	70.62
180.94	20TH	71.24
182.29	25TH	71.77
183.51	30TH	72.25
184.64	35TH	72.69
185.74	40TH	73.12
186.80	45TH	73.54
187.87	50TH	73.96
188.95	55TH	74.39
190.06	60TH	74.82
191.21	65TH	75.28
192.44	70TH	75.76
193.79	75TH	76.29
195.30	80TH	76.89
197.07	85TH	77.58
199.30	90TH	78.46
202.55	95TH	79.75
204.59	97TH	80.55
206.03	98TH	81.12
208.16	99TH	81.95

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
182.72	1ST	71.94
185.42	2ND	73.00
187.04	3RD	73.64
189.17	5TH	74.47
192.33	10TH	75.72
194.44	15TH	76.55
196.11	20TH	77.21
197.57	25TH	77.78
198.89	30TH	78.30
200.12	35TH	78.79
201.30	40TH	79.25
202.45	45TH	79.71
203.61	50TH	80.16
204.77	55TH	80.62
205.96	60TH	81.09
207.19	65TH	81.57
208.51	70TH	82.09
209.93	75TH	82.65
211.52	80TH	83.28
213.35	85TH	84.00
215.62	90TH	84.89
218.81	95TH	86.15
220.72	97TH	86.90
222.00	98TH	87.40
223.76	99TH	88.09



(D53) VERTICAL WRIST HEIGHT, EXTENDED

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
197.30	MEAN VALUE	77.68
.19	SE(MEAN)	.07
8.81	STD DEVIATION	3.47
.13	SE(STD DEV)	.05
227.60	MAXIMUM	89.61
165.90	MINIMUM	65.31

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SYMMETRY---VETA I = .07  
KURTOSIS---VETA II = 3.00  
COEF. OF VARIATION = 4.5%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
213.42	MEAN VALUE	84.02
.22	SE(MEAN)	.09
9.31	STD DEVIATION	3.66
.16	SE(STD DEV)	.06
258.30	MAXIMUM	101.69
175.60	MINIMUM	69.13

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SYMMETRY---VETA I = .08  
KURTOSIS---VETA II = 3.20  
COEF. OF VARIATION = 4.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
177.23	1ST	69.78
179.68	2ND	70.74
181.19	3RD	71.33
183.18	5TH	72.12
186.21	10TH	73.31
188.25	15TH	74.11
189.87	20TH	74.75
191.28	25TH	75.31
192.56	30TH	75.81
193.74	35TH	76.28
194.88	40TH	76.73
195.99	45TH	77.16
197.10	50TH	77.60
198.23	55TH	78.04
199.37	60TH	78.49
200.56	65TH	78.96
201.82	70TH	79.46
203.20	75TH	80.00
204.75	80TH	80.61
206.55	85TH	81.32
208.81	90TH	82.21
212.11	95TH	83.51
214.17	97TH	84.32
215.64	98TH	84.90
217.82	99TH	85.75

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
191.89	1ST	75.55
194.58	2ND	76.61
196.23	3RD	77.26
198.41	5TH	78.11
201.67	10TH	79.40
203.85	15TH	80.26
205.58	20TH	80.94
207.08	25TH	81.53
208.44	30TH	82.06
209.70	35TH	82.56
210.90	40TH	83.03
212.08	45TH	83.50
213.25	50TH	83.96
214.44	55TH	84.42
215.64	60TH	84.90
216.90	65TH	85.39
218.23	70TH	85.92
219.68	75TH	86.49
221.31	80TH	87.13
223.19	85TH	87.87
225.56	90TH	88.80
228.99	95TH	90.15
231.13	97TH	91.00
232.64	98TH	91.59
234.85	99TH	92.46

(D54) VERTICAL WRIST HEIGHT, SITTING

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
114.61	MEAN VALUE	45.12
.11	SE(MEAN)	.04
4.98	STD DEVIATION	1.96
.07	SE(STD DEV)	.03
131.70	MAXIMUM	51.85
96.80	MINIMUM	38.11

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SYMMETRY---VETA I = -.02  
KURTOSIS---VETA II = 2.91  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
124.00	MEAN VALUE	48.82
.13	SE(MEAN)	.05
5.30	STD DEVIATION	2.08
.09	SE(STD DEV)	.04
146.50	MAXIMUM	57.68
100.30	MINIMUM	39.49

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SYMMETRY---VETA I = -.03  
KURTOSIS---VETA II = 3.21  
COEF. OF VARIATION = 4.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
103.03	1ST	40.56
104.34	2ND	41.08
105.19	3RD	41.41
106.34	5TH	41.87
108.15	10TH	42.58
109.38	15TH	43.06
110.35	20TH	43.45
111.20	25TH	43.78
111.96	30TH	44.08
112.67	35TH	44.36
113.33	40TH	44.62
113.98	45TH	44.87
114.62	50TH	45.13
115.26	55TH	45.38
115.90	60TH	45.63
116.57	65TH	45.89
117.27	70TH	46.17
118.02	75TH	46.46
118.86	80TH	46.79
119.82	85TH	47.17
121.03	90TH	47.65
122.77	95TH	48.34
123.88	97TH	48.77
124.68	98TH	49.09
125.90	99TH	49.57

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
111.34	1ST	43.84
113.06	2ND	44.51
114.08	3RD	44.91
115.41	5TH	45.44
117.35	10TH	46.20
118.62	15TH	46.70
119.61	20TH	47.09
120.47	25TH	47.43
121.23	30TH	47.73
121.95	35TH	48.01
122.63	40TH	48.28
123.29	45TH	48.54
123.95	50TH	48.80
124.62	55TH	49.06
125.30	60TH	49.33
126.01	65TH	49.61
126.76	70TH	49.90
127.57	75TH	50.22
128.49	80TH	50.58
129.54	85TH	51.00
130.87	90TH	51.52
132.77	95TH	52.27
133.95	97TH	52.73
134.76	98TH	53.06
135.94	99TH	53.52

(D55) WAIST BACK, VERTICAL (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
35.14	MEAN VALUE	13.84
.05	SE(MEAN)	.02
2.36	STD DEVIATION	.93
.04	SE(STD DEV)	.01
43.80	MAXIMUM	17.24
27.70	MINIMUM	10.91

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SYMMETRY---VETA I = .24  
KURTOSIS---VETA II = 2.97  
COEF. OF VARIATION = 6.7%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
39.23	MEAN VALUE	15.45
.05	SE(MEAN)	.02
2.18	STD DEVIATION	.86
.04	SE(STD DEV)	.01
47.30	MAXIMUM	18.62
32.60	MINIMUM	12.83

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SYMMETRY---VETA I = .07  
KURTOSIS---VETA II = 2.88  
COEF. OF VARIATION = 5.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
30.30	1ST	11.93
30.70	2ND	12.09
30.99	3RD	12.20
31.42	5TH	12.37
32.14	10TH	12.65
32.66	15TH	12.86
33.09	20TH	13.03
33.47	25TH	13.18
33.81	30TH	13.31
34.14	35TH	13.44
34.45	40TH	13.56
34.75	45TH	13.68
35.05	50TH	13.80
35.36	55TH	13.92
35.67	60TH	14.04
35.99	65TH	14.17
36.33	70TH	14.30
36.70	75TH	14.45
37.12	80TH	14.61
37.61	85TH	14.81
38.24	90TH	15.05
39.19	95TH	15.43
39.82	97TH	15.68
40.30	98TH	15.87
41.08	99TH	16.17

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
34.26	1ST	13.49
34.81	2ND	13.70
35.16	3RD	13.84
35.65	5TH	14.04
36.41	10TH	14.34
36.94	15TH	14.54
37.36	20TH	14.71
37.72	25TH	14.85
38.05	30TH	14.98
38.36	35TH	15.10
38.65	40TH	15.22
38.93	45TH	15.33
39.21	50TH	15.44
39.49	55TH	15.55
39.78	60TH	15.66
40.07	65TH	15.78
40.39	70TH	15.90
40.72	75TH	16.03
41.10	80TH	16.18
41.53	85TH	16.35
42.08	90TH	16.57
42.87	95TH	16.88
43.37	97TH	17.07
43.73	98TH	17.22
44.28	99TH	17.43

(D56) WAIST BACK, VERTICAL (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
42.59	MEAN VALUE	16.77
.05	SE(MEAN)	.02
2.24	STD DEVIATION	.88
.03	SE(STD DEV)	.01
52.00	MAXIMUM	20.47
35.50	MINIMUM	13.98

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SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.22  
COEF. OF VARIATION = 5.3%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
46.06	MEAN VALUE	18.13
.06	SE(MEAN)	.02
2.47	STD DEVIATION	.97
.04	SE(STD DEV)	.02
55.60	MAXIMUM	21.89
37.90	MINIMUM	14.92

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SYMMETRY---VETA I = .21  
KURTOSIS---VETA II = 3.37  
COEF. OF VARIATION = 5.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
37.68	1ST	14.83
38.19	2ND	15.03
38.53	3RD	15.17
39.00	5TH	15.35
39.75	10TH	15.65
40.27	15TH	15.86
40.69	20TH	16.02
41.05	25TH	16.16
41.38	30TH	16.29
41.68	35TH	16.41
41.97	40TH	16.52
42.25	45TH	16.63
42.53	50TH	16.74
42.81	55TH	16.85
43.09	60TH	16.96
43.38	65TH	17.08
43.70	70TH	17.20
44.04	75TH	17.34
44.42	80TH	17.49
44.88	85TH	17.67
45.47	90TH	17.90
46.38	95TH	18.26
47.00	97TH	18.50
47.48	98TH	18.69
48.27	99TH	19.00

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
40.53	1ST	15.96
41.11	2ND	16.18
41.50	3RD	16.34
42.05	5TH	16.55
42.92	10TH	16.90
43.52	15TH	17.13
43.99	20TH	17.32
44.40	25TH	17.48
44.76	30TH	17.62
45.10	35TH	17.75
45.41	40TH	17.88
45.72	45TH	18.00
46.02	50TH	18.12
46.31	55TH	18.23
46.62	60TH	18.35
46.93	65TH	18.48
47.26	70TH	18.61
47.62	75TH	18.75
48.04	80TH	18.91
48.52	85TH	19.10
49.17	90TH	19.36
50.21	95TH	19.77
50.95	97TH	20.06
51.54	98TH	20.29
52.56	99TH	20.69

(D57) WAIST-BUTTOCK DROP (NATURAL INDENTATION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
24.14	MEAN VALUE	9.50
.09	SE(MEAN)	.04
4.45	STD DEVIATION	1.75
.07	SE(STD DEV)	.03
41.10	MAXIMUM	16.18
8.30	MINIMUM	3.27

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SYMMETRY---VETA I = -.16  
KURTOSIS---VETA II = 3.44  
COEF. OF VARIATION = 18.4%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.38	MEAN VALUE	5.66
.10	SE(MEAN)	.04
4.07	STD DEVIATION	1.60
.07	SE(STD DEV)	.03
26.70	MAXIMUM	10.51
-.20	MINIMUM	-.08

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SYMMETRY---VETA I = -.31  
KURTOSIS---VETA II = 3.31  
COEF. OF VARIATION = 28.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.49	1ST	4.92
14.26	2ND	5.61
15.30	3RD	6.03
16.63	5TH	6.55
18.51	10TH	7.29
19.69	15TH	7.75
20.58	20TH	8.10
21.33	25TH	8.40
21.99	30TH	8.66
22.59	35TH	8.89
23.16	40TH	9.12
23.70	45TH	9.33
24.23	50TH	9.54
24.76	55TH	9.75
25.30	60TH	9.96
25.85	65TH	10.18
26.44	70TH	10.41
27.08	75TH	10.66
27.79	80TH	10.94
28.63	85TH	11.27
29.69	90TH	11.69
31.28	95TH	12.31
32.32	97TH	12.72
33.08	98TH	13.02
34.27	99TH	13.49

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
3.87	1ST	1.53
5.21	2ND	2.05
6.07	3RD	2.39
7.24	5TH	2.85
9.01	10TH	3.55
10.17	15TH	4.00
11.06	20TH	4.36
11.81	25TH	4.65
12.47	30TH	4.91
13.05	35TH	5.14
13.60	40TH	5.35
14.12	45TH	5.56
14.62	50TH	5.75
15.10	55TH	5.95
15.59	60TH	6.14
16.08	65TH	6.33
16.59	70TH	6.53
17.13	75TH	6.75
17.73	80TH	6.98
18.42	85TH	7.25
19.30	90TH	7.60
20.65	95TH	8.13
21.58	97TH	8.49
22.30	98TH	8.78
23.53	99TH	9.26

(D58) WAIST-BUTTOCK DROP (OMPHALION)

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.50	MEAN VALUE	6.89
.12	SE(MEAN)	.05
5.58	STD DEVIATION	2.20
.08	SE(STD DEV)	.03
34.00	MAXIMUM	13.39
-5.50	MINIMUM	-2.17

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SYMMETRY---VETA I = -.40  
KURTOSIS---VETA II = 3.29  
COEF. OF VARIATION = 31.9%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.12	MEAN VALUE	4.77
.11	SE(MEAN)	.04
4.58	STD DEVIATION	1.80
.08	SE(STD DEV)	.03
25.80	MAXIMUM	10.16
-4.90	MINIMUM	-1.93

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SYMMETRY---VETA I = -.37  
KURTOSIS---VETA II = 3.01  
COEF. OF VARIATION = 37.8%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.55	1ST	1.00
4.56	2ND	1.79
5.83	3RD	2.29
7.53	5TH	2.96
10.07	10TH	3.97
11.72	15TH	4.62
12.98	20TH	5.11
14.04	25TH	5.53
14.96	30TH	5.89
15.79	35TH	6.21
16.55	40TH	6.52
17.27	45TH	6.80
17.96	50TH	7.07
18.64	55TH	7.34
19.31	60TH	7.60
19.98	65TH	7.87
20.67	70TH	8.14
21.40	75TH	8.43
22.20	80TH	8.74
23.10	85TH	9.09
24.21	90TH	9.53
25.84	95TH	10.17
26.90	97TH	10.59
27.70	98TH	10.90
29.00	99TH	11.42

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
.25	1ST	.10
1.71	2ND	.67
2.66	3RD	1.05
3.96	5TH	1.56
5.95	10TH	2.34
7.28	15TH	2.86
8.30	20TH	3.27
9.18	25TH	3.61
9.94	30TH	3.91
10.63	35TH	4.19
11.28	40TH	4.44
11.88	45TH	4.68
12.47	50TH	4.91
13.05	55TH	5.14
13.62	60TH	5.36
14.19	65TH	5.59
14.78	70TH	5.82
15.41	75TH	6.07
16.08	80TH	6.33
16.83	85TH	6.63
17.75	90TH	6.99
19.04	95TH	7.50
19.85	97TH	7.81
20.44	98TH	8.05
21.36	99TH	8.41

(D59) WAIST-WAIST (NATURAL INDENTATION) OVER SHOULDER

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
77.59	MEAN VALUE	30.55
.11	SE(MEAN)	.04
4.95	STD DEVIATION	1.95
.07	SE(STD DEV)	.03
97.30	MAXIMUM	38.31
58.90	MINIMUM	23.19

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SYMMETRY---VETA I = .16  
KURTOSIS---VETA II = 3.12  
COEF. OF VARIATION = 6.48  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
86.51	MEAN VALUE	34.06
.11	SE(MEAN)	.04
4.70	STD DEVIATION	1.85
.08	SE(STD DEV)	.03
105.60	MAXIMUM	41.57
71.60	MINIMUM	28.19

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SYMMETRY---VETA I = .10  
KURTOSIS---VETA II = 3.14  
COEF. OF VARIATION = 5.48  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
66.47	1ST	26.17
67.76	2ND	26.68
68.58	3RD	27.00
69.67	5TH	27.43
71.36	10TH	28.09
72.50	15TH	28.54
73.41	20TH	28.90
74.20	25TH	29.21
74.91	30TH	29.49
75.57	35TH	29.75
76.20	40TH	30.00
76.82	45TH	30.24
77.43	50TH	30.48
78.05	55TH	30.73
78.68	60TH	30.98
79.34	65TH	31.24
80.05	70TH	31.51
80.82	75TH	31.82
81.69	80TH	32.16
82.71	85TH	32.56
84.03	90TH	33.08
86.03	95TH	33.87
87.35	97TH	34.39
88.34	98TH	34.78
89.92	99TH	35.40

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
75.32	1ST	29.65
76.82	2ND	30.25
77.73	3RD	30.60
78.90	5TH	31.06
80.62	10TH	31.74
81.74	15TH	32.18
82.62	20TH	32.53
83.37	25TH	32.82
84.04	30TH	33.09
84.67	35TH	33.33
85.26	40TH	33.57
85.84	45TH	33.80
86.42	50TH	34.02
87.00	55TH	34.25
87.60	60TH	34.49
88.22	65TH	34.73
88.88	70TH	34.99
89.60	75TH	35.28
90.42	80TH	35.60
91.38	85TH	35.98
92.61	90TH	36.46
94.46	95TH	37.19
95.66	97TH	37.66
96.54	98TH	38.01
97.90	99TH	38.54

(D60) WAIST-WAIST (OMPHALION) OVER SHOULDER

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
92.35	MEAN VALUE	36.36
.10	SE(MEAN)	.04
4.84	STD DEVIATION	1.91
.07	SE(STD DEV)	.03
111.10	MAXIMUM	43.74
78.40	MINIMUM	30.87

---

SYMMETRY---VETA I = .31  
KURTOSIS---VETA II = 3.18  
COEF. OF VARIATION = 5.28  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
99.17	MEAN VALUE	39.05
.13	SE(MEAN)	.05
5.33	STD DEVIATION	2.10
.09	SE(STD DEV)	.04
119.10	MAXIMUM	46.89
82.10	MINIMUM	32.32

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SYMMETRY---VETA I = .23  
KURTOSIS---VETA II = 3.35  
COEF. OF VARIATION = 5.48  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
82.07	1ST	32.31
83.12	2ND	32.73
83.82	3RD	33.00
84.78	5TH	33.38
86.32	10TH	33.98
87.38	15TH	34.40
88.24	20TH	34.74
88.99	25TH	35.04
89.67	30TH	35.30
90.31	35TH	35.55
90.92	40TH	35.80
91.52	45TH	36.03
92.11	50TH	36.27
92.72	55TH	36.50
93.33	60TH	36.75
93.98	65TH	37.00
94.67	70TH	37.27
95.43	75TH	37.57
96.29	80TH	37.91
97.31	85TH	38.31
98.64	90TH	38.83
100.70	95TH	39.64
102.10	97TH	40.20
103.17	98TH	40.62
104.92	99TH	41.31

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
86.75	1ST	34.15
88.41	2ND	34.81
89.42	3RD	35.20
90.73	5TH	35.72
92.65	10TH	36.48
93.89	15TH	36.97
94.86	20TH	37.35
95.68	25TH	37.67
96.42	30TH	37.96
97.10	35TH	38.23
97.75	40TH	38.48
98.38	45TH	38.73
99.00	50TH	38.98
99.64	55TH	39.23
100.29	60TH	39.48
100.97	65TH	39.75
101.70	70TH	40.04
102.51	75TH	40.36
103.44	80TH	40.73
104.56	85TH	41.16
106.03	90TH	41.75
108.37	95TH	42.66
109.99	97TH	43.30
111.24	98TH	43.80
113.32	99TH	44.61



## CHAPTER V

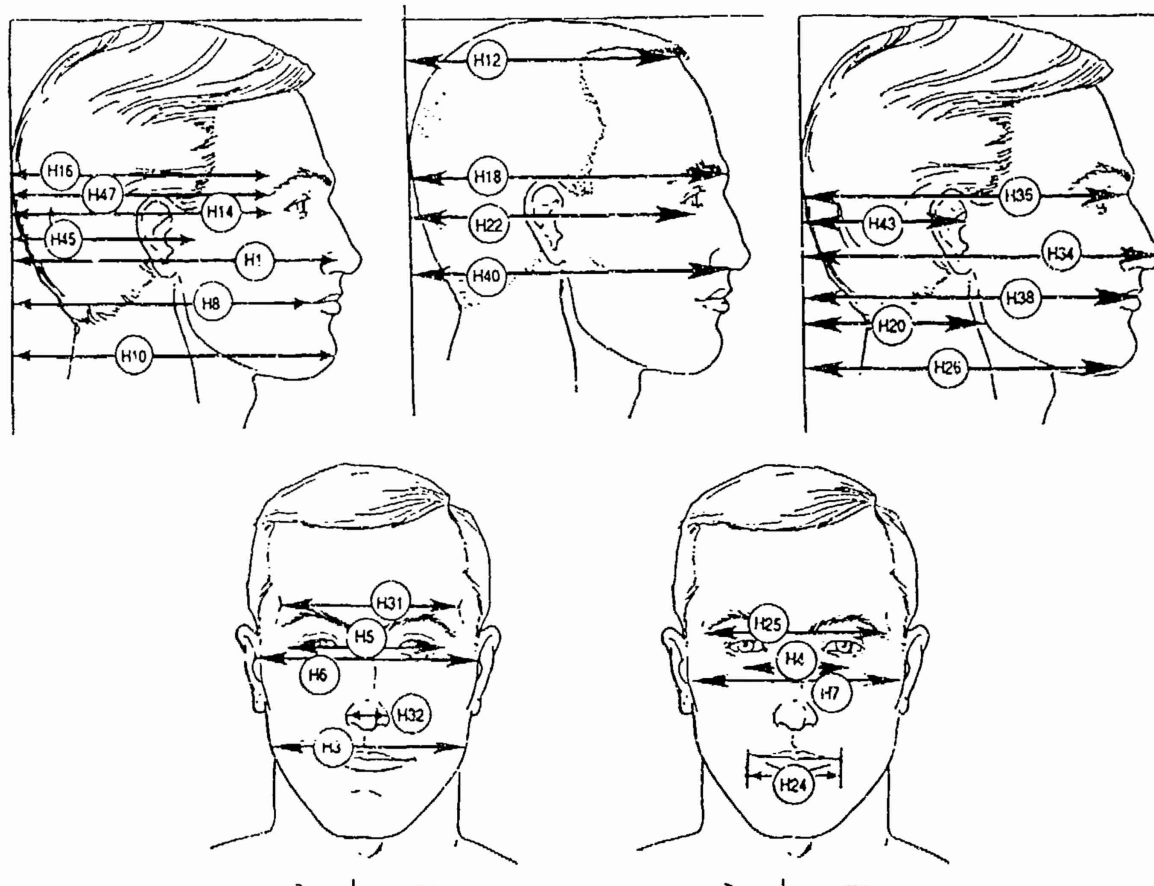
### THE HEADBOARD MEASUREMENTS

The head and face are perhaps the most difficult body parts to be adequately described by traditional linear measurement techniques because of the great variability of head and facial dimensions, their associated poor correlations, and the difficulty of maintaining the subject's head in the required position. A special automated headboard device (AHD) for measuring three-dimensional coordinates of landmark locations on the head and face was developed for use in the 1987-1988 survey.<sup>6</sup> The device was programmed to measure 26 head and face landmarks selected on the basis of their usefulness in the design and construction of helmets, respirators, goggles, and other personal protective equipment.

Some 16 head and face dimensions were measured by traditional means and are reported in Chapter III. These are supplemented by the data obtained from the AHD in which points were located in three-dimensional space by the simultaneous determination of distances along the Z-axis (height), the X-axis (depth), and the Y-axis (breadth). For ease of reporting, and to facilitate comparison with previously reported headboard data, these headboard data are given here for each axis separately, using the same standard statistics as are used in reporting the standard and derived dimensions.

A visual index for 48 head and face dimensions appears on the following pages. Measurement descriptions begin on page 258, and summary statistics follow on page 264.

# VISUAL INDEX - HEAD MEASUREMENTS



(H1) ALARE-BACK OF HEAD

(H3) BIGONIAL BREADTH

(H4) BIINFRAORBITALE BREADTH

(H5) BIOCLAR BREADTH, MAXIMUM

(H6) BITRAGON BREADTH

(H7) BIZYGOMATIC BREADTH

(H8) CHEILION-BACK OF HEAD

(H10) CHIN-BACK OF HEAD

(H12) CRINION-BACK OF HEAD

(H14) ECTOORBITALE-BACK OF HEAD

(H16) FRONTOTEMPORALE-BACK OF HEAD

(H18) GLABELLA-BACK OF HEAD

(H20) GONION-BACK OF HEAD

(H22) INFRAORBITALE-BACK OF HEAD

(H24) LIP LENGTH

(H25) MAXIMUM FRONTAL BREADTH

(H26) MENTON-BACK OF HEAD

(H31) MINIMUM FRONTAL BREADTH

(H32) NOSE BREADTH

(H34) PRONASALE-BACK OF HEAD

(H36) SELLION-BACK OF HEAD

(H38) STOMION-BACK OF HEAD

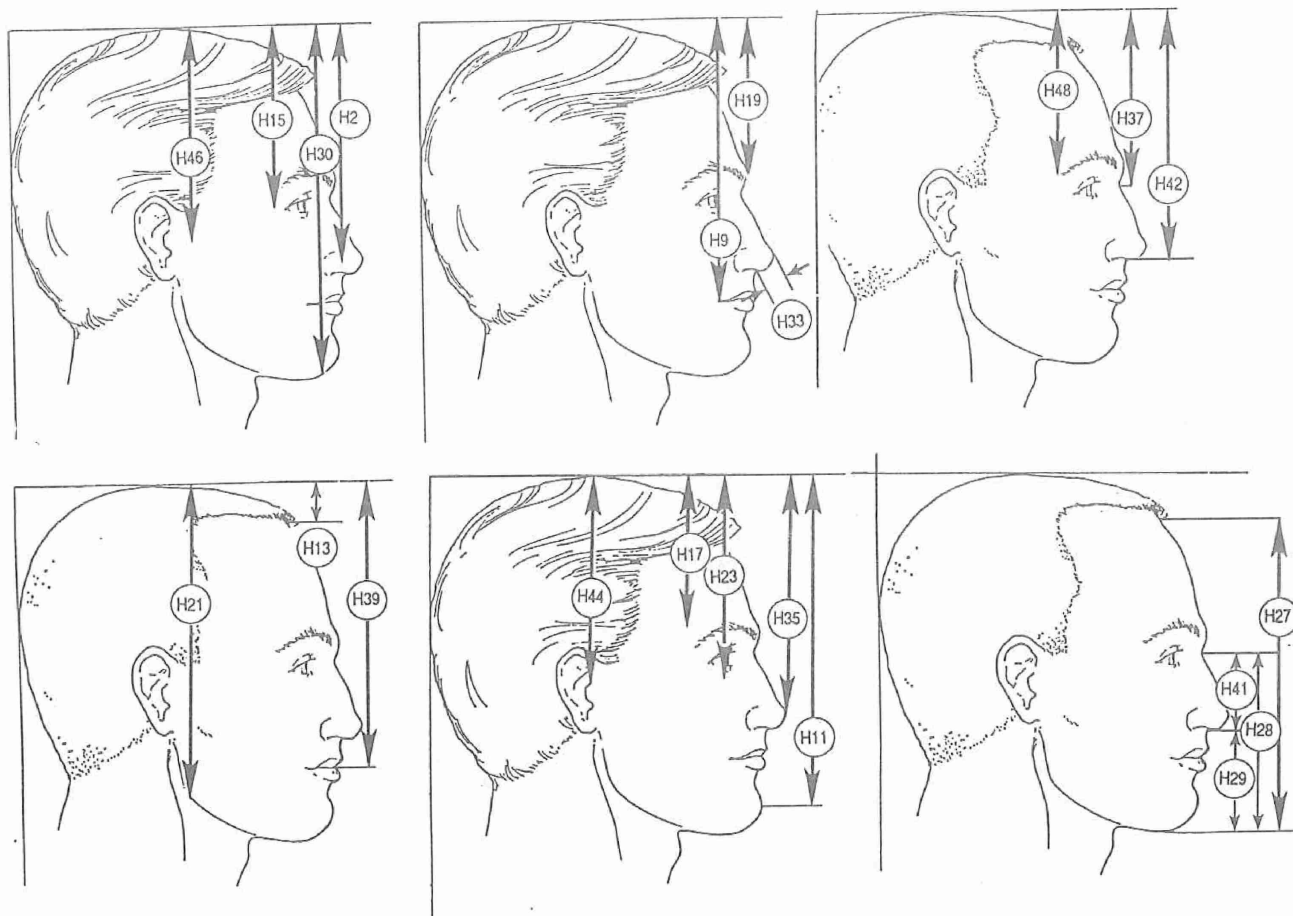
(H40) SUBNASALE-BACK OF HEAD

(H43) TRAGON-BACK OF HEAD

(H45) ZYGION-BACK OF HEAD

(H47) ZYGOFRONTALE-BACK OF HEAD

# VISUAL INDEX - HEAD MEASUREMENTS (Continued)



(H2) ALARE-TOP OF HEAD

(H9) CHEILION-TOP OF HEAD

(H11) CHIN-TOP OF HEAD

(H13) CRINION-TOP OF HEAD

(H15) ECTOORBITALE-TOP OF HEAD

(H17) FRONTOTEMPORALE-TOP OF HEAD

(H19) GLABELLA-TOP OF HEAD

(H21) GONION-TOP OF HEAD

(H23) INFRAORBITALE-TOP OF HEAD

(H27) MENTON-CRINION LENGTH

(H28) MENTON-SELLION LENGTH

(H29) MENTON-SUBNASALE LENGTH

(H30) MENTON-TOP OF HEAD

(H33) NOSE PROTRUSION

(H35) PRONASALE-TOP OF HEAD

(H37) SELLION-TOP OF HEAD

(H39) STOMION-TOP OF HEAD

(H41) SUBNASALE-SELLION LENGTH

(H42) SUBNASALE-TOP OF HEAD

(H44) TRAGION-TOP OF HEAD

(H46) ZYGION-TOP OF HEAD

(H48) ZYGOFRONTALE-TOP OF HEAD

## HEADBOARD MEASUREMENT DESCRIPTIONS

All head and face dimensions are measured with the head in the Frankfort plane. "Top of head" and "back of head" dimensions for bilateral points represent the averaged values of the right and left sides.

### (H1) ALARE-BACK OF HEAD

The horizontal distance between the alare landmark on the side of the nostrils and the vertical plane tangent to the back of the head is measured.

### (H2) ALARE-TOP OF HEAD

The vertical distance between the alare landmark on the side of the nostril and the horizontal plane tangent to the top of the head is measured.

### (H3) BIGONIAL BREADTH

The straight-line distance between the right and left gonion landmarks on the corners of the jaw is measured.

### (H4) BIINFRAORBITALE BREADTH

The straight-line distance between the right and left infraorbitale landmarks on the bottom edge of the bony eye sockets under the eyes is measured.

### (H5) BIOCLAR BREADTH, MAXIMUM

The straight-line distance between the right and left ectoorbitale landmarks just behind each bony eye socket at the level of the outer corners of the eyes is measured.

### (H6) BITRAGION BREADTH

The straight-line distance between the right and left tragon landmarks on the cartilaginous flaps in front of each earhole is measured.

### (H7) BIZYGOMATIC BREADTH

The straight-line distance between the right and left zygion landmarks on the zygomatic arches, or upper cheekbones, is measured.

### (H8) CHEILION-BACK OF HEAD

The horizontal distance between the cheilion landmark at the corner of the closed mouth and the vertical plane tangent to the back of the head is measured.

#### **(H9) CHEILION-TOP OF HEAD**

The vertical distance between the cheilion landmark at the corner of the closed mouth and the horizontal plane tangent to the top of the head is measured.

#### **(H10) CHIN-BACK OF HEAD**

The horizontal distance between the promenton landmark on the front of the chin and the vertical plane tangent to the back of the head is measured.

#### **(H11) CHIN-TOP OF HEAD**

The vertical distance between the promenton landmark on the front of the chin and the horizontal plane tangent to the top of the head is measured.

#### **(H12) CRINION-BACK OF HEAD**

The horizontal distance between the crinion landmark on the lowest point of the hairline on the forehead and the vertical plane tangent to the back of the head is measured.

#### **(H13) CRINION-TOP OF HEAD**

The vertical distance between the crinion landmark on the lowest point of the hairline on the forehead and the horizontal plane tangent to the top of the head is measured.

#### **(H14) ECTOORBITALE-BACK OF HEAD**

The horizontal distance between the ectoorbitale landmark just behind the bony eye socket at the level of the outer corner of the eye and the vertical plane tangent to the back of the head is measured.

#### **(H15) ECTOORBITALE-TOP OF HEAD**

The vertical distance between the ectoorbitale landmark just behind the bony eye socket at the level of the outer corner of the eye and the horizontal plane tangent to the top of the head is measured.

#### **(H16) FRONTOTEMPORALE-BACK OF HEAD**

The horizontal distance between the frontotemporale landmark on the temporal crest at the side of the forehead and the vertical plane tangent to the back of the head is measured.

#### **(H17) FRONTOTEMPORALE-TOP OF HEAD**

The vertical distance between the frontotemporale landmark on the temporal crest at the side of the frontal, or forehead, bone above the browridges and the horizontal plane tangent to the top of the head is measured.

**(H18) GLABELLA-BACK OF HEAD**

The horizontal distance between the glabella landmark on the forehead between the eyebrows and the vertical plane tangent to the back of the head is measured.

**(H19) GLABELLA-TOP OF HEAD**

The vertical distance between the glabella landmark on the forehead between the eyebrows and the horizontal plane tangent to the top of the head is measured.

**(H20) GONION-BACK OF HEAD**

The horizontal distance between the gonion landmark on the corner of the jaw and the vertical plane tangent to the back of the head is measured.

**(H21) GONION-TOP OF HEAD**

The vertical distance between the gonion landmark on the corner of the jaw and the horizontal plane tangent to the top of the head is measured.

**(H22) INFRAORBITALE-BACK OF HEAD**

The horizontal distance between the infraorbitale landmark on the bony eye socket under the eye and the vertical plane tangent to the back of the head is measured.

**(H23) INFRAORBITALE-TOP OF HEAD**

The vertical distance between the infraorbitale landmark on the bony eye socket under the eye and the horizontal plane tangent to the top of the head is measured.

**(H24) LIP LENGTH**

The straight-line distance between the right and left cheilion landmarks at the corners of the closed mouth is measured.

**(H25) MAXIMUM FRONTAL BREADTH**

The straight-line distance between the right and left zygofrontale landmarks at the upper margin of each bony eye socket is measured.

**(H26) MENTON-BACK OF HEAD**

The horizontal distance between the menton landmark at the bottom of the chin and the vertical plane tangent to the back of the head is measured.

**(H27) MENTON-CRINION LENGTH**

The straight-line distance between the menton landmark at the bottom of the chin and the crinion landmark on the lowest point of the hairline on the forehead is measured.

#### (H28) MENTON-SELLION LENGTH

The straight-line distance between the menton landmark at the bottom of the chin and the sellion landmark on the deepest point of the root of the nose is measured.

#### (H29) MENTON-SUBNASALE LENGTH

The straight-line distance between the menton landmark at the bottom of the chin and the subnasale landmark under the nose is measured.

#### (H30) MENTON-TOP OF HEAD

The vertical distance between the menton landmark at the bottom of the chin and the horizontal plane tangent to the top of the head is measured.

#### (H31) MINIMUM FRONTAL BREADTH

The straight-line distance between the right and left frontotemporale landmarks on the temporal crests on each side of the forehead is measured.

#### (H32) NOSE BREADTH

The straight-line distance between the right and left alare landmarks on the sides of the nostrils is measured.

#### (H33) NOSE PROTRUSION

The straight-line distance between the pronasale landmark at the tip of the nose and the subnasale landmark under the nose is measured.

#### (H34) PRONASALE-BACK OF HEAD

The horizontal distance between the pronasale landmark on the tip of the nose and the vertical plane tangent to the back of the head is measured.

#### (H35) PRONASALE-TOP OF HEAD

The vertical distance between the pronasale landmark on the tip of the nose and the horizontal plane tangent to the top of the head is measured.

#### (H36) SELLION-BACK OF HEAD

The horizontal distance between the sellion landmark at the deepest point of the root of the nose and the vertical plane tangent to the back of the head is measured.

#### (H37) SELLION-TOP OF HEAD

The vertical distance between the sellion landmark at the deepest point of the root of the nose and the horizontal plane tangent to the top of the head is measured.

**(H38) STOMION-BACK OF HEAD**

The horizontal distance between the stomion landmark at the center of the mouth where the lips touch when the mouth is closed and the vertical plane tangent to the back of the head is measured.

**(H39) STOMION-TOP OF HEAD**

The vertical distance between the stomion landmark at the center of the mouth where the lips touch when the mouth is closed and the horizontal plane tangent to the top of the head is measured.

**(H40) SUBNASALE-BACK OF HEAD**

The horizontal distance between the subnasale landmark under the nose and the vertical plane tangent to the back of the head is measured.

**(H41) SUBNASALE-SELLION LENGTH**

The straight-line distance between the subnasale landmark under the nose and the sellion landmark at the deepest point of the nasal root is measured.

**(H42) SUBNASALE-TOP OF HEAD**

The vertical distance between the subnasale landmark under the nose and the horizontal plane tangent to the top of the head is measured.

**(H43) TRAGION-BACK OF HEAD**

The horizontal distance between the tragon landmark on the cartilaginous flap in front of the earhole and the vertical plane tangent to the back of the head is measured.

**(H44) TRAGION-TOP OF HEAD**

The vertical distance between the tragon landmark on the cartilaginous flap in front of the earhole and the horizontal plane tangent to the top of the head is measured.

**(H45) ZYGION-BACK OF HEAD**

The horizontal distance between the zygion landmark on the zygomatic arch, or upper cheekbone, and the vertical plane tangent to the back of the head is measured.

**(H46) ZYGION-TOP OF HEAD**

The vertical distance between the zygion landmark on the zygomatic arch, or upper cheekbone, and the horizontal plane tangent to the top of the head is measured.



#### (H47) ZYGOFRONTALE-BACK OF HEAD

The horizontal distance between the zygofrontale landmark at the upper margin of the bony eye socket and the vertical plane tangent to the back of the head is measured.

#### (H48) ZYGOFRONTALE-TOP OF HEAD

The vertical distance between the zygofrontale landmark at the upper margin of the bony eye socket and the horizontal plane tangent to the top of the head is measured.

## (H1) ALARE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.13	MEAN VALUE	7.53
.02	SE(MEAN)	.01
.77	STD DEVIATION	.30
.01	SE(STD DEV)	.00
21.50	MAXIMUM	8.46
16.20	MINIMUM	6.38

---

SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 4.0%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.98	MEAN VALUE	7.87
.02	SE(MEAN)	.01
.79	STD DEVIATION	.31
.01	SE(STD DEV)	.01
22.60	MAXIMUM	8.90
17.20	MINIMUM	6.77

---

SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 3.16  
 COEF. OF VARIATION = 4.0%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.37	1ST	6.84
17.58	2ND	6.92
17.71	3RD	6.97
17.88	5TH	7.04
18.15	10TH	7.15
18.34	15TH	7.22
18.48	20TH	7.28
18.61	25TH	7.33
18.72	30TH	7.37
18.83	35TH	7.41
18.93	40TH	7.45
19.03	45TH	7.49
19.13	50TH	7.53
19.22	55TH	7.57
19.32	60TH	7.61
19.43	65TH	7.65
19.54	70TH	7.69
19.65	75TH	7.74
19.79	80TH	7.79
19.94	85TH	7.85
20.14	90TH	7.93
20.42	95TH	8.04
20.61	97TH	8.11
20.74	98TH	8.17
20.95	99TH	8.25

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.08	1ST	7.12
18.30	2ND	7.21
18.45	3RD	7.26
18.65	5TH	7.34
18.96	10TH	7.46
19.16	15TH	7.54
19.32	20TH	7.61
19.46	25TH	7.66
19.58	30TH	7.71
19.69	35TH	7.75
19.80	40TH	7.79
19.90	45TH	7.83
19.99	50TH	7.87
20.09	55TH	7.91
20.19	60TH	7.95
20.29	65TH	7.99
20.39	70TH	8.03
20.51	75TH	8.07
20.63	80TH	8.12
20.78	85TH	8.18
20.97	90TH	8.25
21.25	95TH	8.37
21.45	97TH	8.45
21.61	98TH	8.51
21.86	99TH	8.61

## (H2) ALARE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.55	MEAN VALUE	5.77
.01	SE(MEAN)	.01
.70	STD DEVIATION	.28
.01	SE(STD DEV)	.00
17.10	MAXIMUM	6.73
12.40	MINIMUM	4.88

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.54	MEAN VALUE	6.12
.02	SE(MEAN)	.01
.74	STD DEVIATION	.29
.01	SE(STD DEV)	.00
18.20	MAXIMUM	7.17
13.20	MINIMUM	5.20

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.04  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.96	1ST	5.10
13.19	2ND	5.19
13.33	3RD	5.25
13.51	5TH	5.32
13.77	10TH	5.42
13.94	15TH	5.49
14.07	20TH	5.54
14.19	25TH	5.59
14.29	30TH	5.63
14.38	35TH	5.66
14.47	40TH	5.70
14.56	45TH	5.73
14.65	50TH	5.77
14.73	55TH	5.80
14.82	60TH	5.84
14.92	65TH	5.87
15.01	70TH	5.91
15.12	75TH	5.95
15.24	80TH	6.00
15.38	85TH	6.06
15.56	90TH	6.13
15.82	95TH	6.23
15.99	97TH	6.30
16.11	98TH	6.34
16.30	99TH	6.42

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.84	1ST	5.45
14.03	2ND	5.52
14.15	3RD	5.57
14.32	5TH	5.64
14.59	10TH	5.74
14.77	15TH	5.81
14.91	20TH	5.87
15.04	25TH	5.92
15.15	30TH	5.96
15.25	35TH	6.00
15.35	40TH	6.04
15.44	45TH	6.08
15.54	50TH	6.12
15.63	55TH	6.15
15.72	60TH	6.19
15.82	65TH	6.23
15.92	70TH	6.27
16.03	75TH	6.31
16.16	80TH	6.36
16.30	85TH	6.42
16.48	90TH	6.49
16.76	95TH	6.60
16.94	97TH	6.67
17.07	98TH	6.72
17.29	99TH	6.81

(H3) BIGONIAL BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.83	MEAN VALUE	4.26
.02	SE(MEAN)	.01
.71	STD DEVIATION	.28
.01	SE(STD DEV)	.00
14.40	MAXIMUM	5.67
8.70	MINIMUM	3.43

---

SYMMETRY---VETA I = .25  
KURTOSIS---VETA II = 3.40  
COEF. OF VARIATION = 6.6%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.89	MEAN VALUE	4.68
.02	SE(MEAN)	.01
.79	STD DEVIATION	.31
.01	SE(STD DEV)	.01
15.40	MAXIMUM	6.06
8.80	MINIMUM	3.46

---

SYMMETRY---VETA I = .21  
KURTOSIS---VETA II = 3.44  
COEF. OF VARIATION = 6.6%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.25	1ST	3.64
9.43	2ND	3.71
9.54	3RD	3.76
9.69	5TH	3.82
9.93	10TH	3.91
10.09	15TH	3.97
10.22	20TH	4.02
10.34	25TH	4.07
10.44	30TH	4.11
10.53	35TH	4.15
10.63	40TH	4.16
10.71	45TH	4.22
10.80	50TH	4.25
10.89	55TH	4.29
10.98	60TH	4.32
11.08	65TH	4.36
11.18	70TH	4.40
11.29	75TH	4.44
11.41	80TH	4.49
11.56	85TH	4.55
11.75	90TH	4.63
12.03	95TH	4.74
12.22	97TH	4.81
12.36	98TH	4.86
12.58	99TH	4.95

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.13	1ST	3.99
10.35	2ND	4.07
10.48	3RD	4.13
10.65	5TH	4.19
10.91	10TH	4.30
11.07	15TH	4.37
11.23	20TH	4.42
11.35	25TH	4.47
11.46	30TH	4.51
11.57	35TH	4.55
11.67	40TH	4.59
11.76	45TH	4.63
11.86	50TH	4.67
11.96	55TH	4.71
12.06	60TH	4.75
12.17	65TH	4.79
12.28	70TH	4.83
12.40	75TH	4.88
12.54	80TH	4.94
12.71	85TH	5.00
12.92	90TH	5.08
13.22	95TH	5.21
13.41	97TH	5.28
13.55	98TH	5.34
13.76	99TH	5.42

(H4) BIINFRAORBITALE BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.72	MEAN VALUE	2.65
.01	SE(MEAN)	.00
.51	STD DEVIATION	.20
.01	SE(STD DEV)	.00
8.50	MAXIMUM	3.35
4.90	MINIMUM	1.93

---

SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 2.98  
COEF. OF VARIATION = 7.6%  
NUMBER OF SUBJECTS = 2208

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
6.85	MEAN VALUE	2.70
.01	SE(MEAN)	.00
.51	STD DEVIATION	.20
.01	SE(STD DEV)	.00
9.10	MAXIMUM	3.58
5.00	MINIMUM	1.97

---

SYMMETRY---VETA I = .27  
KURTOSIS---VETA II = 3.45  
COEF. OF VARIATION = 7.4%  
NUMBER OF SUBJECTS = 1774

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.56	1ST	2.19
5.70	2ND	2.24
5.79	3RD	2.28
5.90	5TH	2.32
6.08	10TH	2.39
6.20	15TH	2.44
6.29	20TH	2.48
6.37	25TH	2.51
6.45	30TH	2.54
6.52	35TH	2.57
6.58	40TH	2.59
6.65	45TH	2.62
6.71	50TH	2.64
6.78	55TH	2.67
6.84	60TH	2.69
6.91	65TH	2.72
6.98	70TH	2.75
7.06	75TH	2.78
7.15	80TH	2.82
7.26	85TH	2.86
7.39	90TH	2.91
7.58	95TH	2.99
7.71	97TH	3.03
7.80	98TH	3.07
7.94	99TH	3.13

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.73	1ST	2.26
5.86	2ND	2.31
5.94	3RD	2.34
6.05	5TH	2.38
6.22	10TH	2.45
6.33	15TH	2.49
6.42	20TH	2.53
6.50	25TH	2.56
6.57	30TH	2.59
6.64	35TH	2.61
6.70	40TH	2.64
6.76	45TH	2.66
6.83	50TH	2.69
6.89	55TH	2.71
6.95	60TH	2.74
7.02	65TH	2.76
7.09	70TH	2.79
7.17	75TH	2.82
7.26	80TH	2.86
7.37	85TH	2.90
7.51	90TH	2.96
7.72	95TH	3.04
7.86	97TH	3.10
7.97	98TH	3.14
8.13	99TH	3.20

(H5) BIOCLAR BREADTH, MAXIMUM

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.96	MEAN VALUE	4.71
.01	SE(MEAN)	.00
.55	STD DEVIATION	.22
.01	SE(STD DEV)	.00
14.40	MAXIMUM	5.67
10.20	MINIMUM	4.02

---

SYMMETRY---VETA I = .16  
KURTOSIS---VETA II = 3.09  
COEF. OF VARIATION = 4.6%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.18	MEAN VALUE	4.79
.01	SE(MEAN)	.01
.54	STD DEVIATION	.21
.01	SE(STD DEV)	.00
14.70	MAXIMUM	5.79
10.30	MINIMUM	4.06

---

SYMMETRY---VETA I = .19  
KURTOSIS---VETA II = 3.37  
COEF. OF VARIATION = 4.5%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.76	1ST	4.24
10.89	2ND	4.29
10.97	3RD	4.32
11.09	5TH	4.36
11.27	10TH	4.44
11.39	15TH	4.49
11.49	20TH	4.52
11.58	25TH	4.56
11.66	30TH	4.59
11.74	35TH	4.62
11.81	40TH	4.65
11.88	45TH	4.68
11.95	50TH	4.70
12.02	55TH	4.73
12.09	60TH	4.76
12.16	65TH	4.79
12.24	70TH	4.82
12.33	75TH	4.85
12.43	80TH	4.89
12.54	85TH	4.94
12.68	90TH	4.99
12.90	95TH	5.08
13.04	97TH	5.13
13.14	98TH	5.17
13.30	99TH	5.24

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.98	1ST	4.32
11.11	2ND	4.37
11.20	3RD	4.41
11.31	5TH	4.45
11.50	10TH	4.53
11.62	15TH	4.58
11.72	20TH	4.62
11.81	25TH	4.65
11.89	30TH	4.68
11.96	35TH	4.71
12.03	40TH	4.74
12.10	45TH	4.76
12.16	50TH	4.79
12.23	55TH	4.81
12.30	60TH	4.84
12.37	65TH	4.87
12.44	70TH	4.90
12.52	75TH	4.93
12.62	80TH	4.97
12.72	85TH	5.01
12.87	90TH	5.07
13.09	95TH	5.15
13.25	97TH	5.22
13.37	98TH	5.26
13.57	99TH	5.34

## (H6) BITRAGION BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.64	MEAN VALUE	5.37
.01	SE(MEAN)	.00
.52	STD DEVIATION	.21
.01	SE(STD DEV)	.00
15.70	MAXIMUM	6.18
11.50	MINIMUM	4.53

---

SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.33  
 COEF. OF VARIATION = 3.88  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.48	MEAN VALUE	5.70
.01	SE(MEAN)	.01
.60	STD DEVIATION	.23
.01	SE(STD DEV)	.00
16.60	MAXIMUM	6.54
10.70	MINIMUM	4.21

---

SYMMETRY---VETA I = -.15  
 KURTOSIS---VETA II = 3.88  
 COEF. OF VARIATION = 4.18  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.51	1ST	4.92
12.62	2ND	4.97
12.70	3RD	5.00
12.81	5TH	5.04
12.98	10TH	5.11
13.11	15TH	5.16
13.20	20TH	5.20
13.29	25TH	5.23
13.37	30TH	5.25
13.44	35TH	5.29
13.51	40TH	5.32
13.57	45TH	5.34
13.63	50TH	5.37
13.70	55TH	5.39
13.77	60TH	5.42
13.83	65TH	5.45
13.91	70TH	5.47
13.98	75TH	5.51
14.07	80TH	5.54
14.18	85TH	5.58
14.31	90TH	5.63
14.52	95TH	5.72
14.66	97TH	5.77
14.77	98TH	5.82
14.96	99TH	5.89

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.08	1ST	5.15
13.25	2ND	5.22
13.35	3RD	5.26
13.50	5TH	5.31
13.72	10TH	5.40
13.87	15TH	5.46
13.99	20TH	5.51
14.00	25TH	5.55
14.18	30TH	5.58
14.26	35TH	5.61
14.34	40TH	5.65
14.41	45TH	5.67
14.49	50TH	5.70
14.56	55TH	5.73
14.63	60TH	5.76
14.71	65TH	5.79
14.79	70TH	5.82
14.88	75TH	5.86
14.98	80TH	5.90
15.09	85TH	5.94
15.23	90TH	6.00
15.45	95TH	6.08
15.59	97TH	6.14
15.70	98TH	6.18
15.87	99TH	6.25

(H7) BIZYGOMATIC BREADTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.57	MEAN VALUE	5.34
.01	SE (MEAN)	.00
.56	STD DEVIATION	.22
.01	SE (STD DEV)	.00
15.70	MAXIMUM	6.18
11.80	MINIMUM	4.65

---

SYMMETRY---VETA I = .21  
KURTOSIS---VETA II = 3.32  
COEF. OF VARIATION = 4.1%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.33	MEAN VALUE	5.64
.02	SE (MEAN)	.01
.64	STD DEVIATION	.25
.01	SE (STD DEV)	.00
17.00	MAXIMUM	6.69
11.50	MINIMUM	4.53

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SYMMETRY---VETA I = .05  
KURTOSIS---VETA II = 3.37  
COEF. OF VARIATION = 4.4%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.32	1ST	4.85
12.46	2ND	4.90
12.55	3RD	4.94
12.67	5TH	4.99
12.87	10TH	5.07
13.00	15TH	5.12
13.10	20TH	5.16
13.19	25TH	5.19
13.27	30TH	5.23
13.35	35TH	5.25
13.42	40TH	5.28
13.49	45TH	5.31
13.55	50TH	5.34
13.62	55TH	5.36
13.69	60TH	5.39
13.76	65TH	5.42
13.84	70TH	5.45
13.92	75TH	5.48
14.02	80TH	5.52
14.13	85TH	5.56
14.27	90TH	5.62
14.50	95TH	5.71
14.65	97TH	5.77
14.77	98TH	5.82
14.98	99TH	5.90

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.89	1ST	5.07
13.06	2ND	5.14
13.17	3RD	5.18
13.31	5TH	5.24
13.54	10TH	5.33
13.69	15TH	5.39
13.80	20TH	5.43
13.91	25TH	5.47
14.00	30TH	5.51
14.08	35TH	5.54
14.16	40TH	5.58
14.24	45TH	5.61
14.32	50TH	5.64
14.40	55TH	5.67
14.48	60TH	5.70
14.57	65TH	5.73
14.65	70TH	5.77
14.75	75TH	5.81
14.86	80TH	5.85
14.99	85TH	5.90
15.15	90TH	5.97
15.40	95TH	6.06
15.56	97TH	6.13
15.69	98TH	6.18
15.88	99TH	6.25



## (H8) CHEILION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.97	MEAN VALUE	7.08
.02	SE(MEAN)	.01
.93	STD DEVIATION	.37
.01	SE(STD DEV)	.01
20.80	MAXIMUM	8.19
14.80	MINIMUM	5.83

---

SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 2.81  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.54	MEAN VALUE	7.30
.02	SE(MEAN)	.01
.91	STD DEVIATION	.36
.02	SE(STD DEV)	.01
21.60	MAXIMUM	8.50
15.30	MINIMUM	6.02

---

SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.95	1ST	6.28
16.17	2ND	6.37
16.31	3RD	6.42
16.50	5TH	6.50
16.80	10TH	6.61
17.00	15TH	6.69
17.17	20TH	6.76
17.32	25TH	6.82
17.45	30TH	6.87
17.58	35TH	6.92
17.71	40TH	6.97
17.83	45TH	7.02
17.95	50TH	7.07
18.07	55TH	7.11
18.19	60TH	7.16
18.32	65TH	7.21
18.46	70TH	7.27
18.61	75TH	7.33
18.78	80TH	7.39
18.98	85TH	7.47
19.22	90TH	7.57
19.56	95TH	7.70
19.77	97TH	7.78
19.91	98TH	7.84
20.12	99TH	7.92

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.43	1ST	6.47
16.68	2ND	6.57
16.84	3RD	6.63
17.05	5TH	6.71
17.38	10TH	6.84
17.60	15TH	6.93
17.77	20TH	7.00
17.92	25TH	7.06
18.05	30TH	7.11
18.18	35TH	7.16
18.30	40TH	7.20
18.41	45TH	7.25
18.53	50TH	7.30
18.64	55TH	7.34
18.76	60TH	7.39
18.88	65TH	7.43
19.01	70TH	7.48
19.15	75TH	7.54
19.31	80TH	7.60
19.49	85TH	7.67
19.72	90TH	7.76
20.05	95TH	7.90
20.27	97TH	7.98
20.43	98TH	8.04
20.67	99TH	8.14

(H9) CHEILION-TOP OF HEAD

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.72	MEAN VALUE	6.98
.02	SE(MEAN)	.01
.73	STD DEVIATION	.29
.01	SE(STD DEV)	.00
20.10	MAXIMUM	7.91
15.20	MINIMUM	5.98

---

SYMMETRY---VETA I = .04  
KURTOSIS---VETA II = 3.10  
COEF. OF VARIATION = 4.1%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.79	MEAN VALUE	7.40
.02	SE(MEAN)	.01
.75	STD DEVIATION	.29
.01	SE(STD DEV)	.00
21.20	MAXIMUM	8.35
16.30	MINIMUM	6.42

---

SYMMETRY---VETA I = .14  
KURTOSIS---VETA II = 3.04  
COEF. OF VARIATION = 4.0%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.98	1ST	6.29
16.21	2ND	6.38
16.36	3RD	6.44
16.54	5TH	6.51
16.81	10TH	6.62
16.98	15TH	6.69
17.12	20TH	6.74
17.24	25TH	6.79
17.34	30TH	6.83
17.44	35TH	6.87
17.53	40TH	6.90
17.62	45TH	6.94
17.71	50TH	6.97
17.81	55TH	7.01
17.90	60TH	7.05
18.00	65TH	7.08
18.10	70TH	7.13
18.21	75TH	7.17
18.34	80TH	7.22
18.49	85TH	7.28
18.68	90TH	7.35
18.96	95TH	7.47
19.15	97TH	7.54
19.28	98TH	7.59
19.49	99TH	7.67

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.09	1ST	6.73
17.30	2ND	6.81
17.43	3RD	6.86
17.60	5TH	6.93
17.86	10TH	7.03
18.03	15TH	7.10
18.17	20TH	7.15
18.29	25TH	7.20
18.39	30TH	7.24
18.49	35TH	7.28
18.59	40TH	7.32
18.68	45TH	7.35
18.77	50TH	7.39
18.86	55TH	7.43
18.96	60TH	7.46
19.05	65TH	7.50
19.16	70TH	7.54
19.28	75TH	7.59
19.41	80TH	7.64
19.56	85TH	7.70
19.76	90TH	7.78
20.06	95TH	7.90
20.25	97TH	7.97
20.40	98TH	8.03
20.63	99TH	8.12

## (H10) CHIN--BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.76	MEAN VALUE	7.39
.02	SE(MEAN)	.01
.98	STD DEVIATION	.39
.01	SE(STD DEV)	.01
22.20	MAXIMUM	8.74
15.20	MINIMUM	5.98

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 2.90  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.42	MEAN VALUE	7.65
.02	SE(MEAN)	.01
1.03	STD DEVIATION	.41
.02	SE(STD DEV)	.01
22.70	MAXIMUM	8.94
15.00	MINIMUM	5.91

---

SYMMETRY---VETA I = -.08  
 KURTOSIS---VETA II = 3.20  
 COEF. OF VARIATION = 5.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.57	1ST	6.52
16.82	2ND	6.62
16.97	3RD	6.68
17.19	5TH	6.77
17.52	10TH	6.90
17.74	15TH	6.99
17.93	20TH	7.06
18.09	25TH	7.12
18.23	30TH	7.18
18.37	35TH	7.23
18.50	40TH	7.28
18.62	45TH	7.33
18.75	50TH	7.38
18.88	55TH	7.43
19.01	60TH	7.48
19.14	65TH	7.54
19.28	70TH	7.59
19.44	75TH	7.65
19.61	80TH	7.72
19.81	85TH	7.80
20.05	90TH	7.90
20.40	95TH	8.03
20.62	97TH	8.12
20.77	98TH	8.18
20.98	99TH	8.26

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.97	1ST	6.68
17.27	2ND	6.80
17.46	3RD	6.87
17.71	5TH	6.97
18.10	10TH	7.13
18.36	15TH	7.23
18.57	20TH	7.31
18.74	25TH	7.38
18.90	30TH	7.44
19.04	35TH	7.50
19.18	40TH	7.55
19.31	45TH	7.60
19.43	50TH	7.65
19.56	55TH	7.70
19.69	60TH	7.75
19.82	65TH	7.80
19.96	70TH	7.86
20.11	75TH	7.92
20.28	80TH	7.99
20.48	85TH	8.06
20.73	90TH	8.16
21.11	95TH	8.31
21.37	97TH	8.41
21.56	98TH	8.49
21.87	99TH	8.61

## (H11) CHIN-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.30	MEAN VALUE	7.99
.02	SE(MEAN)	.01
.85	STD DEVIATION	.33
.01	SE(STD DEV)	.01
23.30	MAXIMUM	9.17
17.70	MINIMUM	6.97

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.68	MEAN VALUE	8.54
.02	SE(MEAN)	.01
.89	STD DEVIATION	.35
.01	SE(STD DEV)	.01
24.50	MAXIMUM	9.65
18.70	MINIMUM	7.36

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SYMMETRY---VETA I = .12  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.32	1ST	7.21
18.57	2ND	7.31
18.72	3RD	7.37
18.92	5TH	7.45
19.22	10TH	7.57
19.43	15TH	7.65
19.59	20TH	7.71
19.72	25TH	7.77
19.85	30TH	7.81
19.97	35TH	7.86
20.08	40TH	7.90
20.18	45TH	7.95
20.29	50TH	7.99
20.40	55TH	8.03
20.50	60TH	8.07
20.62	65TH	8.12
20.74	70TH	8.16
20.86	75TH	8.21
21.01	80TH	8.27
21.18	85TH	8.34
21.39	90TH	8.42
21.71	95TH	8.55
21.92	97TH	8.63
22.06	98TH	8.69
22.29	99TH	8.78

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.68	1ST	7.75
19.91	2ND	7.84
20.06	3RD	7.90
20.26	5TH	7.97
20.56	10TH	8.10
20.77	15TH	8.18
20.93	20TH	8.24
21.08	25TH	8.30
21.21	30TH	8.35
21.32	35TH	8.40
21.44	40TH	8.44
21.55	45TH	8.48
21.66	50TH	8.53
21.77	55TH	8.57
21.88	60TH	8.62
22.00	65TH	8.66
22.13	70TH	8.71
22.26	75TH	8.77
22.42	80TH	8.83
22.60	85TH	8.90
22.83	90TH	8.99
23.18	95TH	9.13
23.41	97TH	9.22
23.58	98TH	9.29
23.86	99TH	9.39

## (H12) CRINION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.93	MEAN VALUE	7.06
.02	SE(MEAN)	.01
.87	STD DEVIATION	.34
.01	SE(STD DEV)	.01
20.60	MAXIMUM	8.11
14.60	MINIMUM	5.75

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SYMMETRY--VETA I = -.14  
 KURTOSIS--VETA II = 3.03  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 2206

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.34	MEAN VALUE	7.22
.02	SE(MEAN)	.01
1.00	STD DEVIATION	.40
.02	SE(STD DEV)	.01
21.90	MAXIMUM	8.62
14.30	MINIMUM	5.63

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SYMMETRY---VETA I = -.32  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1747

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.86	1ST	6.24
16.10	2ND	6.34
16.25	3RD	6.40
16.47	5TH	6.48
16.80	10TH	6.61
17.02	15TH	6.70
17.20	20TH	6.77
17.35	25TH	6.83
17.49	30TH	6.88
17.61	35TH	6.93
17.73	40TH	6.98
17.84	45TH	7.02
17.95	50TH	7.07
18.06	55TH	7.11
18.18	60TH	7.16
18.29	65TH	7.20
18.41	70TH	7.25
18.54	75TH	7.30
18.68	80TH	7.35
18.84	85TH	7.42
19.04	90TH	7.50
19.34	95TH	7.61
19.53	97TH	7.69
19.67	98TH	7.75
19.89	99TH	7.83

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.91	1ST	6.26
16.17	2ND	6.37
16.35	3RD	6.44
16.60	5TH	6.54
17.01	10TH	6.70
17.28	15TH	6.80
17.50	20TH	6.89
17.69	25TH	6.96
17.85	30TH	7.03
18.00	35TH	7.09
18.14	40TH	7.14
18.27	45TH	7.19
18.40	50TH	7.25
18.53	55TH	7.30
18.65	60TH	7.34
18.78	65TH	7.39
18.91	70TH	7.45
19.05	75TH	7.50
19.20	80TH	7.56
19.37	85TH	7.62
19.57	90TH	7.71
19.87	95TH	7.82
20.07	97TH	7.90
20.21	98TH	7.96
20.44	99TH	8.05

(H13) CRINION-TOP OF HEAD

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
4.17	MEAN VALUE	1.64
.02	SE(MEAN)	.01
.95	STD DEVIATION	.37
.01	SE(STD DEV)	.01
7.80	MAXIMUM	3.07
1.50	MINIMUM	.59

---

SYMMETRY---VETA I = .25  
KURTOSIS---VETA II = 3.14  
COEF. OF VARIATION = 22.8%  
NUMBER OF SUBJECTS = 2206

---

MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
4.17	MEAN VALUE	1.64
.02	SE(MEAN)	.01
1.04	STD DEVIATION	.41
.02	SE(STD DEV)	.01
7.30	MAXIMUM	2.87
1.20	MINIMUM	.47

---

SYMMETRY---VETA I = .11  
KURTOSIS---VETA II = 2.94  
COEF. OF VARIATION = 24.8%  
NUMBER OF SUBJECTS = 1747

---

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.10	1ST	.83
2.32	2ND	.91
2.46	3RD	.97
2.66	5TH	1.05
2.97	10TH	1.17
3.19	15TH	1.25
3.36	20TH	1.32
3.51	25TH	1.38
3.65	30TH	1.44
3.77	35TH	1.49
3.89	40TH	1.53
4.01	45TH	1.58
4.13	50TH	1.63
4.25	55TH	1.67
4.37	60TH	1.72
4.50	65TH	1.77
4.63	70TH	1.82
4.78	75TH	1.88
4.95	80TH	1.95
5.15	85TH	2.03
5.40	90TH	2.13
5.79	95TH	2.28
6.05	97TH	2.38
6.25	98TH	2.46
6.57	99TH	2.59

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
1.75	1ST	.69
2.07	2ND	.81
2.26	3RD	.89
2.51	5TH	.99
2.87	10TH	1.13
3.11	15TH	1.22
3.30	20TH	1.30
3.46	25TH	1.36
3.61	30TH	1.42
3.75	35TH	1.47
3.88	40TH	1.53
4.01	45TH	1.58
4.14	50TH	1.63
4.27	55TH	1.68
4.40	60TH	1.73
4.54	65TH	1.79
4.69	70TH	1.85
4.85	75TH	1.91
5.04	80TH	1.98
5.26	85TH	2.07
5.53	90TH	2.18
5.94	95TH	2.34
6.19	97TH	2.44
6.38	98TH	2.51
6.65	99TH	2.62

## (H14) ECTOORBITALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.35	MEAN VALUE	6.04
.01	SE(MEAN)	.01
.61	STD DEVIATION	.24
.01	SE(STD DEV)	.00
17.20	MAXIMUM	6.77
13.20	MINIMUM	5.20

---

SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.00  
 COEF. OF VARIATION = 4.0%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.01	MEAN VALUE	6.30
.01	SE(MEAN)	.01
.63	STD DEVIATION	.25
.01	SE(STD DEV)	.00
18.50	MAXIMUM	7.28
14.00	MINIMUM	5.51

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.92	1ST	5.48
14.08	2ND	5.55
14.26	3RD	5.59
14.35	5TH	5.65
14.57	10TH	5.74
14.72	15TH	5.79
14.84	20TH	5.84
14.94	25TH	5.88
15.03	30TH	5.92
15.11	35TH	5.95
15.19	40TH	5.98
15.27	45TH	6.01
15.35	50TH	6.04
15.43	55TH	6.07
15.50	60TH	6.10
15.59	65TH	6.14
15.67	70TH	6.17
15.76	75TH	6.21
15.87	80TH	6.25
15.99	85TH	6.29
16.14	90TH	6.35
16.36	95TH	6.44
16.50	97TH	6.49
16.66	98TH	6.53
16.75	99TH	6.59

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.54	1ST	5.72
14.70	2ND	5.79
14.81	3RD	5.83
14.96	5TH	5.89
15.19	10TH	5.98
15.35	15TH	6.05
15.48	20TH	6.10
15.59	25TH	6.14
15.69	30TH	6.18
15.78	35TH	6.21
15.86	40TH	6.24
15.94	45TH	6.28
16.02	50TH	6.31
16.10	55TH	6.34
16.18	60TH	6.37
16.26	65TH	6.40
16.34	70TH	6.43
16.43	75TH	6.47
16.53	80TH	6.51
16.65	85TH	6.56
16.80	90TH	6.61
17.03	95TH	6.70
17.18	97TH	6.76
17.30	98TH	6.81
17.49	99TH	6.89

## (H15) ECTOORBITALE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.15	MEAN VALUE	4.39
.01	SE(MEAN)	.00
.57	STD DEVIATION	.22
.01	SE(STD DEV)	.00
13.50	MAXIMUM	5.31
9.30	MINIMUM	3.66

---

SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 5.1%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.82	MEAN VALUE	4.65
.01	SE(MEAN)	.01
.57	STD DEVIATION	.23
.01	SE(STD DEV)	.00
14.00	MAXIMUM	5.51
9.80	MINIMUM	3.86

---

SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.77	1ST	3.85
9.95	2ND	3.92
10.06	3RD	3.96
10.21	5TH	4.02
10.43	10TH	4.11
10.58	15TH	4.16
10.69	20TH	4.21
10.78	25TH	4.24
10.87	30TH	4.28
10.94	35TH	4.31
11.02	40TH	4.34
11.08	45TH	4.36
11.15	50TH	4.39
11.22	55TH	4.42
11.29	60TH	4.45
11.36	65TH	4.47
11.44	70TH	4.50
11.52	75TH	4.54
11.62	80TH	4.57
11.73	85TH	.62
11.87	90TH	4.67
12.09	95TH	4.76
12.24	97TH	4.82
12.36	98TH	4.86
12.55	99TH	4.94

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.44	1ST	4.11
10.63	2ND	4.18
10.74	3RD	4.23
10.89	5TH	4.29
11.10	10TH	4.37
11.24	15TH	4.42
11.35	20TH	4.47
11.44	25TH	4.50
11.52	30TH	4.54
11.60	35TH	4.57
11.67	40TH	4.60
11.74	45TH	4.62
11.81	50TH	4.65
11.88	55TH	4.68
11.96	60TH	4.71
12.03	65TH	4.74
12.11	70TH	4.77
12.20	75TH	4.80
12.30	80TH	4.84
12.41	85TH	4.89
12.56	90TH	4.94
12.77	95TH	5.03
12.91	97TH	5.08
13.01	98TH	5.12
13.16	99TH	5.18



## (H16) FRONTOTEMPORALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.61	MEAN VALUE	6.54
.01	SE(MEAN)	.01
.62	STD DEVIATION	.24
.01	SE(STD DEV)	.00
18.70	MAXIMUM	7.36
14.20	MINIMUM	5.59

---

SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.13  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.45	MEAN VALUE	6.87
.02	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
19.60	MAXIMUM	7.72
15.40	MINIMUM	6.06

---

SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 2.98  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.17	1ST	5.97
15.35	2ND	6.04
15.46	3RD	6.08
15.60	5TH	6.14
15.83	10TH	6.23
15.98	15TH	6.29
16.10	20TH	6.34
16.20	25TH	6.38
16.29	30TH	6.41
16.38	35TH	6.45
16.46	40TH	6.48
16.54	45TH	6.51
16.61	50TH	6.54
16.69	55TH	6.57
16.77	60TH	6.60
16.85	65TH	6.63
16.94	70TH	6.67
17.03	75TH	6.71
17.14	80TH	6.75
17.26	85TH	6.80
17.41	90TH	6.86
17.64	95TH	6.94
17.78	97TH	7.00
17.88	98TH	7.04
18.04	99TH	7.10

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.95	1ST	6.28
16.10	2ND	6.34
16.21	3RD	6.38
16.36	5TH	6.44
16.60	10TH	6.54
16.77	15TH	6.60
16.90	20TH	6.65
17.02	25TH	6.70
17.12	30TH	6.74
17.21	35TH	6.78
17.30	40TH	6.81
17.38	45TH	6.84
17.46	50TH	6.88
17.55	55TH	6.91
17.63	60TH	6.94
17.71	65TH	6.97
17.79	70TH	7.01
17.89	75TH	7.04
17.99	80TH	7.08
18.10	85TH	7.13
18.25	90TH	7.19
18.43	95TH	7.27
18.63	97TH	7.33
18.74	98TH	7.38
18.94	99TH	7.46

## (H17) FRONTOTEMPORALE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
8.40	MEAN VALUE	3.31
.01	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
10.80	MAXIMUM	4.25
6.20	MINIMUM	2.44

---

SYMMETRY---VETA I = -.04  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 7.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.04	MEAN VALUE	3.56
.02	SE(MEAN)	.01
.69	STD DEVIATION	.27
.01	SE(STD DEV)	.00
11.50	MAXIMUM	4.53
6.80	MINIMUM	2.68

---

SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 3.05  
 COEF. OF VARIATION = 7.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
6.84	1ST	2.69
7.03	2ND	2.77
7.15	3RD	2.82
7.32	5TH	2.88
7.57	10TH	2.98
7.74	15TH	3.05
7.87	20TH	3.10
7.98	25TH	3.14
8.08	30TH	3.18
8.17	35TH	3.22
8.25	40TH	3.25
8.33	45TH	3.28
8.41	50TH	3.31
8.49	55TH	3.34
8.57	60TH	3.37
8.65	65TH	3.40
8.73	70TH	3.44
8.82	75TH	3.47
8.92	80TH	3.51
9.04	85TH	3.56
9.20	90TH	3.62
9.44	95TH	3.72
9.60	97TH	3.78
9.73	98TH	3.83
9.95	99TH	3.92

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.35	1ST	2.89
7.57	2ND	2.98
7.71	3RD	3.03
7.89	5TH	3.11
8.15	10TH	3.21
8.33	15TH	3.28
8.46	20TH	3.33
8.58	25TH	3.38
8.68	30TH	3.42
8.78	35TH	3.46
8.87	40TH	3.49
8.96	45TH	3.53
9.04	50TH	3.56
9.13	55TH	3.59
9.21	60TH	3.63
9.30	65TH	3.66
9.40	70TH	3.70
9.50	75TH	3.74
9.62	80TH	3.79
9.75	85TH	3.84
9.92	90TH	3.91
10.18	95TH	4.01
10.34	97TH	4.07
10.46	98TH	4.12
10.65	99TH	4.19

## (H18) GLABELLA-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.10	MEAN VALUE	7.52
.01	SE(MEAN)	.01
.66	STD DEVIATION	.26
.01	SE(STD DEV)	.00
21.10	MAXIMUM	8.31
16.20	MINIMUM	6.38

---

SYMMETRY---VETA I = -.11  
 KURTOSIS---VETA II = 3.22  
 COEF. OF VARIATION = 3.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.97	MEAN VALUE	7.86
.02	SE(MEAN)	.01
.72	STD DEVIATION	.28
.01	SE(STD DEV)	.00
22.30	MAXIMUM	8.78
17.80	MINIMUM	7.01

---

SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.53	1ST	6.90
17.71	2ND	6.97
17.83	3RD	7.02
17.99	5TH	7.08
18.24	10TH	7.18
18.41	15TH	7.25
18.55	20TH	7.30
18.66	25TH	7.35
18.76	30TH	7.39
18.86	35TH	7.42
18.94	40TH	7.46
19.03	45TH	7.49
19.11	50TH	7.52
19.19	55TH	7.56
19.27	60TH	7.59
19.36	65TH	7.62
19.45	70TH	7.66
19.54	75TH	7.69
19.65	80TH	7.74
19.77	85TH	7.79
19.93	90TH	7.85
20.17	95TH	7.94
20.34	97TH	8.01
20.46	98TH	8.05
20.66	99TH	8.14

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.25	1ST	7.19
18.45	2ND	7.26
18.58	3RD	7.31
18.76	5TH	7.39
19.04	10TH	7.50
19.23	15TH	7.57
19.38	20TH	7.63
19.51	25TH	7.68
19.62	30TH	7.72
19.72	35TH	7.76
19.82	40TH	7.80
19.91	45TH	7.84
19.99	50TH	7.87
20.08	55TH	7.91
20.17	60TH	7.94
20.25	65TH	7.97
20.35	70TH	8.01
20.44	75TH	8.05
20.56	80TH	8.09
20.68	85TH	8.14
20.85	90TH	8.21
21.11	95TH	8.31
21.30	97TH	8.39
21.45	98TH	8.44
21.70	99TH	8.54

(H19) GLABELLA-TOP OF HEAD

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
8.83	MEAN VALUE	3.48
.01	SE(MEAN)	.01
.69	STD DEVIATION	.27
.01	SE(STD DEV)	.00
11.60	MAXIMUM	4.57
6.70	MINIMUM	2.64

---

SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.19  
COEF. OF VARIATION = 7.8%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.62	MEAN VALUE	3.79
.02	SE(MEAN)	.01
.73	STD DEVIATION	.29
.01	SE(STD DEV)	.00
12.30	MAXIMUM	4.84
7.40	MINIMUM	2.91

---

SYMMETRY---VETA I = .02  
KURTOSIS---VETA II = 3.07  
COEF. OF VARIATION = 7.6%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.31	1ST	2.88
7.47	2ND	2.94
7.58	3RD	2.99
7.73	5TH	3.04
7.96	10TH	3.14
8.12	15TH	3.20
8.25	20TH	3.25
8.36	25TH	3.29
8.46	30TH	3.33
8.55	35TH	3.37
8.64	40TH	3.40
8.72	45TH	3.43
8.81	50TH	3.47
8.89	55TH	3.50
8.98	60TH	3.54
9.07	65TH	3.57
9.17	70TH	3.61
9.28	75TH	3.65
9.40	80TH	3.70
9.54	85TH	3.75
9.72	90TH	3.83
10.01	95TH	3.94
10.20	97TH	4.02
10.35	98TH	4.07
10.59	99TH	4.17

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
7.92	1ST	3.12
8.13	2ND	3.20
8.26	3RD	3.25
8.43	5TH	3.32
8.69	10TH	3.42
8.87	15TH	3.49
9.01	20TH	3.55
9.13	25TH	3.60
9.24	30TH	3.64
9.34	35TH	3.68
9.44	40TH	3.72
9.53	45TH	3.75
9.62	50TH	3.79
9.72	55TH	3.82
9.81	60TH	3.86
9.90	65TH	3.90
10.01	70TH	3.94
10.12	75TH	3.98
10.24	80TH	4.03
10.38	85TH	4.09
10.56	90TH	4.16
10.82	95TH	4.26
10.99	97TH	4.33
11.11	98TH	4.37
11.29	99TH	4.45

## (H20) GONION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.64	MEAN VALUE	4.19
.02	SE(MEAN)	.01
.70	STD DEVIATION	.28
.01	SE(STD DEV)	.00
13.10	MAXIMUM	5.16
8.30	MINIMUM	3.27

---

SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.76	MEAN VALUE	4.63
.02	SE(MEAN)	.01
.77	STD DEVIATION	.30
.01	SE(STD DEV)	.01
14.50	MAXIMUM	5.71
8.80	MINIMUM	3.46

---

SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 6.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.05	1ST	3.56
9.21	2ND	3.63
9.32	3RD	3.67
9.48	5TH	3.73
9.73	10TH	3.83
9.91	15TH	3.90
10.05	20TH	3.96
10.17	25TH	4.00
10.27	30TH	4.04
10.37	35TH	4.08
10.46	40TH	4.12
10.55	45TH	4.15
10.64	50TH	4.19
10.73	55TH	4.22
10.82	60TH	4.26
10.91	65TH	4.29
11.00	70TH	4.33
11.10	75TH	4.37
11.22	80TH	4.42
11.36	85TH	4.47
11.53	90TH	4.54
11.81	95TH	4.65
12.00	97TH	4.72
12.14	98TH	4.78
12.40	99TH	4.88

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.94	1ST	3.91
10.15	2ND	4.00
10.28	3RD	4.05
10.47	5TH	4.12
10.76	10TH	4.24
10.96	15TH	4.32
11.12	20TH	4.38
11.25	25TH	4.43
11.37	30TH	4.48
11.47	35TH	4.52
11.58	40TH	4.56
11.67	45TH	4.60
11.77	50TH	4.63
11.87	55TH	4.67
11.96	60TH	4.71
12.06	65TH	4.75
12.16	70TH	4.79
12.27	75TH	4.83
12.40	80TH	4.88
12.54	85TH	4.94
12.73	90TH	5.01
13.01	95TH	5.12
13.21	97TH	5.20
13.35	98TH	5.26
13.60	99TH	5.35

## (H21) GONION-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.19	MEAN VALUE	7.16
.01	SE(MEAN)	.01
.67	STD DEVIATION	.26
.01	SE(STD DEV)	.00
21.30	MAXIMUM	8.39
16.20	MINIMUM	6.38

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.79	MEAN VALUE	7.79
.02	SE(MEAN)	.01
.77	STD DEVIATION	.30
.01	SE(STD DEV)	.01
22.50	MAXIMUM	8.86
17.20	MINIMUM	6.77

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.70	1ST	6.57
16.86	2ND	6.64
16.97	3RD	6.68
17.12	5TH	6.74
17.35	10TH	6.83
17.51	15TH	6.89
17.63	20TH	6.94
17.74	25TH	6.98
17.84	30TH	7.02
17.93	35TH	7.06
18.01	40TH	7.09
18.10	45TH	7.12
18.18	50TH	7.16
18.26	55TH	7.19
18.34	60TH	7.22
18.43	65TH	7.26
18.52	70TH	7.29
18.62	75TH	7.33
18.73	80TH	7.38
18.87	85TH	7.43
19.04	90TH	7.50
19.31	95TH	7.60
19.49	97TH	7.67
19.63	98TH	7.73
19.86	99TH	7.82

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.97	1ST	7.08
18.21	2ND	7.17
18.35	3RD	7.22
18.54	5TH	7.30
18.82	10TH	7.41
19.01	15TH	7.48
19.15	20TH	7.54
19.28	25TH	7.59
19.39	30TH	7.63
19.49	35TH	7.67
19.59	40TH	7.71
19.69	45TH	7.75
19.78	50TH	7.79
19.88	55TH	7.83
19.97	60TH	7.86
20.07	65TH	7.90
20.18	70TH	7.94
20.30	75TH	7.99
20.43	80TH	8.04
20.58	85TH	8.10
20.78	90TH	8.18
21.09	95TH	8.30
21.29	97TH	8.38
21.44	98TH	8.44
21.68	99TH	8.54

## (H22) INFRAORBITALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.61	MEAN VALUE	6.93
.01	SE(MEAN)	.01
.69	STD DEVIATION	.27
.01	SE(STD DEV)	.00
19.60	MAXIMUM	7.72
15.00	MINIMUM	5.91

---

SYMMETRY---VETA I = -.03  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.08	MEAN VALUE	7.12
.02	SE(MEAN)	.01
.70	STD DEVIATION	.27
.01	SE(STD DEV)	.00
20.70	MAXIMUM	8.15
15.90	MINIMUM	6.26

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 3.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.99	1ST	6.29
16.20	2ND	6.38
16.33	3RD	6.43
16.50	5TH	6.49
16.75	10TH	6.59
16.91	15TH	6.66
17.04	20TH	6.71
17.16	25TH	6.75
17.26	30TH	6.79
17.35	35TH	6.83
17.44	40TH	6.86
17.52	45TH	6.90
17.61	50TH	6.93
17.69	55TH	6.97
17.78	60TH	7.00
17.87	65TH	7.04
17.97	70TH	7.07
18.07	75TH	7.11
18.19	80TH	7.16
18.32	85TH	7.21
18.50	90TH	7.28
18.76	95TH	7.39
18.93	97TH	7.45
19.05	98TH	7.50
19.24	99TH	7.57

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.49	1ST	6.49
16.64	2ND	6.55
16.75	3RD	6.60
16.91	5TH	6.66
17.17	10TH	6.76
17.36	15TH	6.83
17.50	20TH	6.89
17.62	25TH	6.94
17.73	30TH	6.98
17.83	35TH	7.02
17.93	40TH	7.06
18.02	45TH	7.09
18.11	50TH	7.13
18.19	55TH	7.16
18.28	60TH	7.20
18.37	65TH	7.23
18.46	70TH	7.27
18.56	75TH	7.31
18.67	80TH	7.35
18.79	85TH	7.40
18.95	90TH	7.46
19.20	95TH	7.56
19.36	97TH	7.62
19.50	98TH	7.68
19.72	99TH	7.76

## (H23) INFRAORBITALE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.41	MEAN VALUE	4.89
.01	SE(MEAN)	.00
.58	STD DEVIATION	.23
.01	SE(STD DEV)	.00
15.00	MAXIMUM	5.91
10.60	MINIMUM	4.17

---

SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 3.31  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.08	MEAN VALUE	5.15
.01	SE(MEAN)	.01
.58	STD DEVIATION	.23
.01	SE(STD DEV)	.00
15.10	MAXIMUM	5.94
11.10	MINIMUM	4.37

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.02	1ST	4.34
11.20	2ND	4.41
11.31	3RD	4.45
11.46	5TH	4.51
11.68	10TH	4.60
11.82	15TH	4.65
11.93	20TH	4.70
12.03	25TH	4.74
12.11	30TH	4.77
12.19	35TH	4.80
12.26	40TH	4.83
12.33	45TH	4.86
12.41	50TH	4.88
12.48	55TH	4.91
12.55	60TH	4.94
12.62	65TH	4.97
12.70	70TH	5.00
12.79	75TH	5.03
12.88	80TH	5.07
13.00	85TH	5.12
13.15	90TH	5.18
13.38	95TH	5.27
13.54	97TH	5.33
13.66	98TH	5.38
13.86	99TH	5.46

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.70	1ST	4.61
11.88	2ND	4.68
11.99	3RD	4.72
12.13	5TH	4.78
12.35	10TH	4.86
12.49	15TH	4.92
12.60	20TH	4.96
12.70	25TH	5.00
12.78	30TH	5.03
12.86	35TH	5.06
12.93	40TH	5.09
13.00	45TH	5.12
13.07	50TH	5.15
13.14	55TH	5.17
13.21	60TH	5.20
13.29	65TH	5.23
13.37	70TH	5.26
13.45	75TH	5.30
13.55	80TH	5.34
13.67	85TH	5.38
13.82	90TH	5.44
14.04	95TH	5.53
14.20	97TH	5.59
14.31	98TH	5.63
14.49	99TH	5.71



## (H24) LIP LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.50	MEAN VALUE	2.16
.01	SE(MEAN)	.00
.42	STD DEVIATION	.17
.01	SE(STD DEV)	.00
6.90	MAXIMUM	2.72
4.10	MINIMUM	1.61

---

SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 2.93  
 COEF. OF VARIATION = 7.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.61	MEAN VALUE	2.21
.01	SE(MEAN)	.00
.43	STD DEVIATION	.17
.01	SE(STD DEV)	.00
7.10	MAXIMUM	2.80
4.40	MINIMUM	1.73

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SYMMETRY---VETA I = .13  
 KURTOSIS---VETA II = 2.86  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
4.57	1ST	1.80
4.67	2ND	1.84
4.73	3RD	1.86
4.82	5TH	1.90
4.96	10TH	1.95
5.05	15TH	1.99
5.13	20TH	2.02
5.20	25TH	2.05
5.26	30TH	2.07
5.32	35TH	2.10
5.38	40TH	2.12
5.43	45TH	2.14
5.49	50TH	2.16
5.54	55TH	2.18
5.59	60TH	2.20
5.65	65TH	2.23
5.71	70TH	2.25
5.78	75TH	2.27
5.85	80TH	2.30
5.94	85TH	2.34
6.05	90TH	2.38
6.21	95TH	2.44
6.31	97TH	2.48
6.39	98TH	2.52
6.51	99TH	2.56

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
4.65	1ST	1.83
4.76	2ND	1.87
4.83	3RD	1.90
4.92	5TH	1.94
5.06	10TH	1.99
5.16	15TH	2.03
5.24	20TH	2.06
5.31	25TH	2.09
5.37	30TH	2.12
5.43	35TH	2.14
5.49	40TH	2.16
5.55	45TH	2.18
5.60	50TH	2.20
5.66	55TH	2.23
5.71	60TH	2.25
5.77	65TH	2.27
5.83	70TH	2.30
5.90	75TH	2.32
5.98	80TH	2.35
6.06	85TH	2.39
6.17	90TH	2.43
6.33	95TH	2.49
6.44	97TH	2.53
6.51	98TH	2.56
6.62	99TH	2.61

## (H25) MAXIMUM FRONTAL BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.13	MEAN VALUE	4.38
.01	SE(MEAN)	.00
.54	STD DEVIATION	.21
.01	SE(STD DEV)	.00
13.40	MAXIMUM	5.28
9.20	MINIMUM	3.62

---

SYMMETRY---VETA I = .10  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 4.88  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.33	MEAN VALUE	4.46
.01	SE(MEAN)	.00
.52	STD DEVIATION	.20
.01	SE(STD DEV)	.00
13.40	MAXIMUM	5.28
9.50	MINIMUM	3.74

---

SYMMETRY---VETA I = .28  
 KURTOSIS---VETA II = 3.36  
 COEF. OF VARIATION = 4.68  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.88	1ST	3.89
10.04	2ND	3.95
10.13	3RD	3.99
10.26	5TH	4.04
10.45	10TH	4.11
10.58	15TH	4.16
10.68	20TH	4.20
10.77	25TH	4.24
10.85	30TH	4.27
10.92	35TH	4.30
10.99	40TH	4.33
11.05	45TH	4.35
11.12	50TH	4.38
11.19	55TH	4.40
11.26	60TH	4.43
11.33	65TH	4.46
11.40	70TH	4.49
11.48	75TH	4.52
11.58	80TH	4.56
11.69	85TH	4.60
11.83	90TH	4.66
12.04	95TH	4.74
12.17	97TH	4.79
12.28	98TH	4.83
12.44	99TH	4.90

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.20	1ST	4.02
10.33	2ND	4.07
10.41	3RD	4.10
10.52	5TH	4.14
10.69	10TH	4.21
10.80	15TH	4.25
10.90	20TH	4.29
10.98	25TH	4.32
11.05	30TH	4.35
11.12	35TH	4.38
11.18	40TH	4.40
11.24	45TH	4.43
11.30	50TH	4.45
11.37	55TH	4.48
11.43	60TH	4.50
11.50	65TH	4.53
11.57	70TH	4.56
11.65	75TH	4.59
11.74	80TH	4.62
11.85	85TH	4.67
11.99	90TH	4.72
12.22	95TH	4.81
12.39	97TH	4.88
12.51	98TH	4.93
12.72	99TH	5.01

## (H26) MENTON-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.33	MEAN VALUE	6.82
.02	SE(MEAN)	.01
.98	STD DEVIATION	.38
.01	SE(STD DEV)	.01
21.00	MAXIMUM	8.27
14.10	MINIMUM	5.55

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 2.95  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.24	MEAN VALUE	7.18
.02	SE(MEAN)	.01
1.05	STD DEVIATION	.41
.02	SE(STD DEV)	.01
21.30	MAXIMUM	8.39
14.30	MINIMUM	5.63

---

SYMMETRY---VETA I = -.09  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 5.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.17	1ST	5.97
15.39	2ND	6.06
15.54	3RD	6.12
15.75	5TH	6.20
16.08	10TH	6.33
16.31	15TH	6.42
16.50	20TH	6.50
16.66	25TH	6.56
16.81	30TH	6.62
16.95	35TH	6.67
17.08	40TH	6.72
17.21	45TH	5.77
17.33	50TH	6.82
17.46	55TH	6.87
17.58	60TH	6.92
17.71	65TH	6.97
17.85	70TH	7.03
18.00	75TH	7.09
18.16	80TH	7.15
18.35	85TH	7.23
18.59	90TH	7.32
18.94	95TH	7.46
19.17	97TH	7.55
19.33	98TH	7.61
19.58	99TH	7.71

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.70	1ST	6.18
16.05	2ND	6.32
16.26	3RD	6.40
16.53	5TH	6.51
16.93	10TH	6.67
17.19	15TH	6.77
17.39	20TH	6.84
17.56	25TH	6.91
17.71	30TH	6.97
17.85	35TH	7.03
17.98	40TH	7.08
18.11	45TH	7.13
18.24	50TH	7.18
18.36	55TH	7.23
18.49	60TH	7.28
18.63	65TH	7.33
18.77	70TH	7.39
18.93	75TH	7.45
19.11	80TH	7.52
19.31	85TH	7.60
19.57	90TH	7.71
19.96	95TH	7.86
20.22	97TH	7.96
20.40	98TH	8.03
20.68	99TH	8.14

## (H27) MENTON-CRINION LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.65	MEAN VALUE	6.95
.02	SE(MEAN)	.01
.96	STD DEVIATION	.38
.01	SE(STD DEV)	.01
20.80	MAXIMUM	8.19
14.40	MINIMUM	5.67

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SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 2.86  
 COEF. OF VARIATION = 5.4%  
 NUMBER OF SUBJECTS = 2206

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.08	MEAN VALUE	7.51
.03	SE(MEAN)	.01
1.05	STD DEVIATION	.41
.02	SE(STD DEV)	.01
22.30	MAXIMUM	8.78
15.60	MINIMUM	6.14

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SYMMETRY---VETA I = .06  
 KURTOSIS---VETA II = 3.02  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1747

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.50	1ST	6.10
15.72	2ND	6.19
15.87	3RD	6.25
16.07	5TH	6.33
16.41	10TH	6.46
16.64	15TH	6.55
16.83	20TH	6.62
16.99	25TH	6.69
17.13	30TH	6.75
17.27	35TH	6.80
17.40	40TH	6.85
17.52	45TH	6.90
17.65	50TH	6.95
17.77	55TH	7.00
17.90	60TH	7.05
18.02	65TH	7.10
18.16	70TH	7.15
18.31	75TH	7.21
18.47	80TH	7.27
18.65	85TH	7.34
18.89	90TH	7.44
19.23	95TH	7.57
19.44	97TH	7.66
19.60	98TH	7.72
19.85	99TH	7.81

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.50	1ST	6.54
16.94	2ND	6.67
17.14	3RD	6.75
17.40	5TH	6.85
17.77	10TH	7.00
18.01	15TH	7.09
18.20	20TH	7.17
18.37	25TH	7.23
18.52	30TH	7.29
18.66	35TH	7.34
18.79	40TH	7.40
18.92	45TH	7.45
19.05	50TH	7.50
19.18	55TH	7.55
19.31	60TH	7.60
19.46	65TH	7.66
19.61	70TH	7.72
19.77	75TH	7.78
19.96	80TH	7.86
20.18	85TH	7.94
20.46	90TH	8.05
20.87	95TH	8.22
21.13	97TH	8.32
21.31	98TH	8.39
21.59	99TH	8.50

(H28) MENTON-SELLION LENGTH

FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.37	MEAN VALUE	4.47
.01	SE(MEAN)	.01
.60	STD DEVIATION	.24
.01	SE(STD DEV)	.00
13.40	MAXIMUM	5.28
9.40	MINIMUM	3.70

---

SYMMETRY---VETA I = .20  
KURTOSIS---VETA II = 3.04  
COEF. OF VARIATION = 5.3%  
NUMBER OF SUBJECTS = 2208

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MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.11	MEAN VALUE	4.77
.02	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
14.70	MAXIMUM	5.79
9.90	MINIMUM	3.90

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SYMMETRY---VETA I = .16  
KURTOSIS---VETA II = 3.12  
COEF. OF VARIATION = 5.3%  
NUMBER OF SUBJECTS = 1774

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THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.06	1ST	3.96
10.20	2ND	4.01
10.29	3RD	4.05
10.41	5TH	4.10
10.61	10TH	4.18
10.75	15TH	4.23
10.86	20TH	4.28
10.95	25TH	4.31
11.04	30TH	4.35
11.12	35TH	4.38
11.20	40TH	4.41
11.27	45TH	4.44
11.35	50TH	4.47
11.42	55TH	4.50
11.50	60TH	4.53
11.58	65TH	4.56
11.66	70TH	4.59
11.75	75TH	4.63
11.86	80TH	4.67
11.98	85TH	4.72
12.14	90TH	4.78
12.39	95TH	4.88
12.56	97TH	4.94
12.68	98TH	4.99
12.89	99TH	5.08

THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.75	1ST	4.23
10.88	2ND	4.28
10.97	3RD	4.32
11.10	5TH	4.37
11.31	10TH	4.45
11.46	15TH	4.51
11.58	20TH	4.56
11.68	25TH	4.60
11.77	30TH	4.63
11.86	35TH	4.67
11.94	40TH	4.70
12.02	45TH	4.73
12.10	50TH	4.76
12.18	55TH	4.80
12.26	60TH	4.83
12.35	65TH	4.86
12.43	70TH	4.90
12.53	75TH	4.93
12.64	80TH	4.98
12.77	85TH	5.03
12.93	90TH	5.09
13.18	95TH	5.19
13.35	97TH	5.26
13.49	98TH	5.31
13.70	99TH	5.40

## (H29) MENTON-SUBNASALE LENGTH

## FEMALE

<u>CENTIMETERS</u>	<u>INCHES</u>
6.88 MEAN VALUE	2.71
.01 SE(MEAN)	.00
.54 STD DEVIATION	.21
.01 SE(STD DEV)	.00
8.80 MAXIMUM	3.46
4.80 MINIMUM	1.89

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.31  
 COEF. OF VARIATION = 7.8%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>	<u>INCHES</u>
7.35 MEAN VALUE	2.89
.01 SE(MEAN)	.01
.56 STD DEVIATION	.22
.01 SE(STD DEV)	.00
9.70 MAXIMUM	3.82
5.60 MINIMUM	2.20

---

SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.08  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
5.69	1ST	2.24
5.82	2ND	2.29
5.91	3RD	2.33
6.03	5TH	2.37
6.22	10TH	2.45
6.34	15TH	2.50
6.44	20TH	2.54
6.53	25TH	2.57
6.60	30TH	2.60
6.67	35TH	2.63
6.74	40TH	2.65
6.80	45TH	2.68
6.87	50TH	2.70
6.93	55TH	2.73
7.00	60TH	2.76
7.07	65TH	2.78
7.14	70TH	2.81
7.22	75TH	2.84
7.31	80TH	2.88
7.42	85TH	2.92
7.56	90TH	2.98
7.79	95TH	3.07
7.94	97TH	3.13
8.07	98TH	3.18
8.27	99TH	3.26

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
6.13	1ST	2.41
6.27	2ND	2.47
6.35	3RD	2.50
6.47	5TH	2.55
6.65	10TH	2.62
6.77	15TH	2.67
6.88	20TH	2.71
6.96	25TH	2.74
7.04	30TH	2.77
7.12	35TH	2.80
7.19	40TH	2.83
7.26	45TH	2.86
7.33	50TH	2.89
7.41	55TH	2.92
7.48	60TH	2.94
7.56	65TH	2.97
7.64	70TH	3.01
7.73	75TH	3.04
7.83	80TH	3.08
7.94	85TH	3.13
8.09	90TH	3.18
8.31	95TH	3.27
8.44	97TH	3.32
8.55	98TH	3.36
8.70	99TH	3.43

## (H30) MENTON-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.76	MEAN VALUE	8.57
.02	SE(MEAN)	.01
.85	STD DEVIATION	.33
.01	SE(STD DEV)	.01
24.50	MAXIMUM	9.65
18.70	MINIMUM	7.36

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SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.03  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
23.20	MEAN VALUE	9.13
.02	SE(MEAN)	.01
.88	STD DEVIATION	.35
.01	SE(STD DEV)	.01
26.60	MAXIMUM	10.47
20.60	MINIMUM	8.11

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SYMMETRY---VETA I = .16  
 KURTOSIS---VETA II = 3.11  
 CCEF. OF VARIATION = 3.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.78	1ST	7.79
20.01	2ND	7.88
20.16	3RD	7.94
20.36	5TH	8.02
20.67	10TH	8.14
20.88	15TH	8.22
21.05	20TH	8.29
21.19	25TH	8.34
21.32	30TH	8.39
21.43	35TH	8.44
21.54	40TH	8.48
21.65	45TH	8.52
21.76	50TH	8.57
21.86	55TH	8.61
21.97	60TH	8.65
22.08	65TH	8.69
22.19	70TH	8.74
22.32	75TH	8.79
22.46	80TH	8.84
22.62	85TH	8.91
22.83	90TH	8.99
23.15	95TH	9.12
23.37	97TH	9.20
23.53	98TH	9.27
23.80	99TH	9.37

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
21.18	1ST	8.34
21.41	2ND	8.43
21.56	3RD	8.49
21.76	5TH	8.57
22.08	10TH	8.69
22.29	15TH	8.78
22.46	20TH	8.84
22.60	25TH	8.90
22.73	30TH	8.95
22.85	35TH	9.00
22.96	40TH	9.04
23.07	45TH	9.08
23.18	50TH	9.13
23.29	55TH	9.17
23.40	60TH	9.21
23.51	65TH	9.26
23.63	70TH	9.30
23.77	75TH	9.36
23.92	80TH	9.42
24.10	85TH	9.49
24.33	90TH	9.58
24.69	95TH	9.72
24.94	97TH	9.82
25.13	98TH	9.90
25.46	99TH	10.02

## (H31) MINIMUM FRONTAL BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.33	MEAN VALUE	4.07
.01	SE(MEAN)	.00
.48	STD DEVIATION	.19
.01	SE(STD DEV)	.00
12.10	MAXIMUM	4.76
8.60	MINIMUM	3.39

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 4.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.51	MEAN VALUE	4.14
.01	SE(MEAN)	.00
.52	STD DEVIATION	.20
.01	SE(STD DEV)	.00
12.70	MAXIMUM	5.00
8.20	MINIMUM	3.23

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SYMMETRY---VETA I = .20  
 KURTOSIS---VETA II = 3.44  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.17	1ST	3.61
9.32	2ND	3.67
9.42	3RD	3.71
9.54	5TH	3.76
9.72	10TH	3.83
9.84	15TH	3.87
9.93	20TH	3.91
10.01	25TH	3.94
10.08	30TH	3.97
10.14	35TH	3.99
10.21	40TH	4.02
10.27	45TH	4.04
10.32	50TH	4.06
10.38	55TH	4.09
10.44	60TH	4.11
10.51	65TH	4.14
10.57	70TH	4.16
10.65	75TH	4.19
10.73	80TH	4.22
10.82	85TH	4.26
10.94	90TH	4.31
11.12	95TH	4.38
11.24	97TH	4.42
11.32	98TH	4.46
11.45	99TH	4.51

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.38	1ST	3.69
9.50	2ND	3.74
9.58	3RD	3.77
9.69	5TH	3.81
9.86	10TH	3.88
9.98	15TH	3.93
10.07	20TH	3.97
10.16	25TH	4.00
10.23	30TH	4.03
10.30	35TH	4.05
10.36	40TH	4.08
10.43	45TH	4.11
10.49	50TH	4.13
10.55	55TH	4.15
10.62	60TH	4.18
10.69	65TH	4.21
10.76	70TH	4.24
10.84	75TH	4.27
10.92	80TH	4.30
11.03	85TH	4.34
11.17	90TH	4.40
11.38	95TH	4.48
11.53	97TH	4.54
11.65	98TH	4.59
11.84	99TH	4.66



## (H32) NOSE BREADTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
3.45	MEAN VALUE	1.36
.01	SE(MEAN)	.00
.47	STD DEVIATION	.19
.01	SE(STD DEV)	.00
5.00	MAXIMUM	1.97
2.30	MINIMUM	.91

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SYMMETRY---VETA I = .32  
 KURTOSIS---VETA II = 2.32  
 COEF. OF VARIATION = 13.7%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
3.65	MEAN VALUE	1.44
.01	SE(MEAN)	.00
.46	STD DEVIATION	.18
.01	SE(STD DEV)	.00
5.20	MAXIMUM	2.05
2.60	MINIMUM	1.02

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SYMMETRY---VETA I = .69  
 KURTOSIS---VETA II = 2.99  
 COEF. OF VARIATION = 12.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.59	1ST	1.02
2.67	2ND	1.05
2.70	3RD	1.06
2.77	5TH	1.09
2.87	10TH	1.13
2.94	15TH	1.16
3.01	20TH	1.18
3.07	25TH	1.21
3.13	30TH	1.23
3.19	35TH	1.25
3.24	40TH	1.28
3.31	45TH	1.30
3.39	50TH	1.33
3.47	55TH	1.37
3.56	60TH	1.40
3.64	65TH	1.43
3.73	70TH	1.47
3.81	75TH	1.50
3.90	80TH	1.53
4.00	85TH	1.58
4.12	90TH	1.62
4.28	95TH	1.68
4.36	97TH	1.72
4.42	98TH	1.74
4.51	99TH	1.78

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
2.85	1ST	1.12
2.94	2ND	1.16
2.99	3RD	1.18
3.05	5TH	1.20
3.13	10TH	1.23
3.19	15TH	1.26
3.25	20TH	1.28
3.30	25TH	1.30
3.35	30TH	1.32
3.40	35TH	1.34
3.46	40TH	1.36
3.51	45TH	1.38
3.57	50TH	1.41
3.63	55TH	1.43
3.70	60TH	1.46
3.77	65TH	1.48
3.85	70TH	1.52
3.94	75TH	1.55
4.04	80TH	1.59
4.16	85TH	1.64
4.32	90TH	1.70
4.54	95TH	1.79
4.67	97TH	1.84
4.75	98TH	1.87
4.86	99TH	1.91

## (H33) NOSE PROTRUSION

## FEMALE

<u>CENTIMETERS</u>	<u>INCHES</u>
1.82 MEAN VALUE	.72
.00 SE (MEAN)	.00
.23 STD DEVIATION	.09
.00 SE (STD DEV)	.00
2.50 MAXIMUM	.98
1.10 MINIMUM	.43

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SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 2.76  
 COEF. OF VARIATION = 12.5%  
 NUMBER OF SUBJECTS = 2209

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## MALE

<u>CENTIMETERS</u>	<u>INCHES</u>
1.88 MEAN VALUE	.74
.01 SE (MEAN)	.00
.25 STD DEVIATION	.10
.00 SE (STD DEV)	.00
2.90 MAXIMUM	1.14
1.10 MINIMUM	.43

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SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 2.89  
 COEF. OF VARIATION = 13.1%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
1.33 1ST	.52
1.37 2ND	.54
1.41 3RD	.55
1.45 5TH	.57
1.53 10TH	.60
1.58 15TH	.62
1.62 20TH	.64
1.66 25TH	.65
1.69 30TH	.67
1.73 35TH	.68
1.76 40TH	.69
1.79 45TH	.70
1.82 50TH	.71
1.84 55TH	.73
1.87 60TH	.74
1.91 65TH	.75
1.94 70TH	.76
1.97 75TH	.78
2.01 80TH	.79
2.06 85TH	.81
2.12 90TH	.83
2.20 95TH	.87
2.26 97TH	.89
2.30 98TH	.90
2.36 99TH	.93

## THE PERCENTILES

<u>CENTIMETERS</u>	<u>INCHES</u>
1.34 1ST	.53
1.38 2ND	.54
1.42 3RD	.56
1.47 5TH	.58
1.55 10TH	.61
1.62 15TH	.64
1.67 20TH	.66
1.71 25TH	.67
1.75 30TH	.69
1.78 35TH	.70
1.82 40TH	.72
1.85 45TH	.73
1.88 50TH	.74
1.91 55TH	.75
1.95 60TH	.77
1.98 65TH	.78
2.01 70TH	.79
2.05 75TH	.81
2.09 80TH	.82
2.13 85TH	.84
2.19 90TH	.86
2.27 95TH	.90
2.33 97TH	.92
2.37 98TH	.93
2.44 99TH	.96

## (H34) PRONASALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.97	MEAN VALUE	8.26
.02	SE(MEAN)	.01
.75	STD DEVIATION	.29
.01	SE(STD DEV)	.00
23.50	MAXIMUM	9.25
17.80	MINIMUM	7.01

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SYMMETRY---VETA I = -.09  
 KURTOSIS---VETA II = 3.32  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
21.92	MEAN VALUE	8.63
.02	SE(MEAN)	.01
.80	STD DEVIATION	.32
.01	SE(STD DEV)	.01
24.70	MAXIMUM	9.72
18.80	MINIMUM	7.40

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SYMMETRY---VETA I = -.08  
 KURTOSIS---VETA II = 3.39  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.17	1ST	7.55
19.41	2ND	7.64
19.55	3RD	7.70
19.74	5TH	7.77
20.03	10TH	7.88
20.21	15TH	7.96
20.36	20TH	8.02
20.49	25TH	8.07
20.60	30TH	8.11
20.70	35TH	8.15
20.80	40TH	8.19
20.89	45TH	8.22
20.98	50TH	8.26
21.07	55TH	8.30
21.16	60TH	8.33
21.26	65TH	8.37
21.36	70TH	8.41
21.47	75TH	8.45
21.60	80TH	8.50
21.74	85TH	8.56
21.93	90TH	8.63
22.20	95TH	8.74
22.39	97TH	8.81
22.53	98TH	8.87
22.75	99TH	8.96

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
19.97	1ST	7.86
20.19	2ND	7.95
20.33	3RD	8.01
20.54	5TH	8.09
20.87	10TH	8.22
21.10	15TH	8.31
21.27	20TH	8.37
21.42	25TH	8.43
21.54	30TH	8.48
21.66	35TH	8.53
21.76	40TH	8.57
21.86	45TH	8.61
21.96	50TH	8.65
22.05	55TH	8.68
22.15	60TH	8.72
22.24	65TH	8.76
22.34	70TH	8.80
22.45	75TH	8.84
22.56	80TH	8.88
22.70	85TH	8.94
22.89	90TH	9.01
23.19	95TH	9.13
23.41	97TH	9.22
23.60	98TH	9.29
23.93	99TH	9.42

## (H35) PRONASALE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
14.16	MEAN VALUE	5.58
.02	SE(MEAN)	.01
.79	STD DEVIATION	.31
.01	SE(STD DEV)	.00
16.80	MAXIMUM	6.61
11.30	MINIMUM	4.45

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SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.19	MEAN VALUE	5.98
.02	SE(MEAN)	.01
.84	STD DEVIATION	.33
.01	SE(STD DEV)	.01
18.30	MAXIMUM	7.20
12.10	MINIMUM	4.76

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SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 5.5%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
12.30	1ST	4.84
12.51	2ND	4.93
12.65	3RD	4.98
12.84	5TH	5.06
13.14	10TH	5.17
13.34	15TH	5.25
13.50	20TH	5.31
13.63	25TH	5.37
13.75	30TH	5.42
13.87	35TH	5.46
13.97	40TH	5.50
14.07	45TH	5.54
14.17	50TH	5.58
14.27	55TH	5.62
14.37	60TH	5.66
14.47	65TH	5.70
14.58	70TH	5.74
14.69	75TH	5.78
14.82	80TH	5.84
14.97	85TH	5.89
15.17	90TH	5.97
15.47	95TH	6.09
15.67	97TH	6.17
15.83	98TH	6.23
16.09	99TH	6.34

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.33	1ST	5.25
13.50	2ND	5.32
13.63	3RD	5.37
13.81	5TH	5.44
14.11	10TH	5.55
14.31	15TH	5.63
14.48	20TH	5.70
14.62	25TH	5.76
14.75	30TH	5.81
14.87	35TH	5.85
14.98	40TH	5.90
15.09	45TH	5.94
15.20	50TH	5.98
15.30	55TH	6.02
15.41	60TH	6.07
15.52	65TH	6.11
15.63	70TH	6.15
15.76	75TH	6.20
15.89	80TH	6.26
16.06	85TH	6.32
16.26	90TH	6.40
16.58	95TH	6.53
16.80	97TH	6.62
16.97	98TH	6.68
17.26	99TH	6.79

## (H36) SELLION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.90	MEAN VALUE	7.44
.01	SE(MEAN)	.01
.66	STD DEVIATION	.26
.01	SE(STD DEV)	.00
21.00	MAXIMUM	8.27
15.80	MINIMUM	6.22

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SYMMETRY---VETA I = -.10  
 KURTOSIS---VETA II = 3.28  
 COEF. OF VARIATION = 3.5%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.70	MEAN VALUE	7.76
.02	SE(MEAN)	.01
.71	STD DEVIATION	.28
.01	SE(STD DEV)	.00
22.10	MAXIMUM	8.70
17.40	MINIMUM	6.85

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SYMMETRY---VETA I = -.05  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 3.6%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.35	1ST	6.83
17.53	2ND	6.90
17.64	3RD	6.95
17.80	5TH	7.01
18.05	10TH	7.11
18.21	15TH	7.17
18.35	20TH	7.22
18.46	25TH	7.27
18.56	30TH	7.31
18.65	35TH	7.34
18.74	40TH	7.38
18.82	45TH	7.41
18.90	50TH	7.44
18.99	55TH	7.47
19.07	60TH	7.51
19.15	65TH	7.54
19.24	70TH	7.58
19.34	75TH	7.61
19.45	80TH	7.66
19.57	85TH	7.70
19.73	90TH	7.77
19.97	95TH	7.86
20.13	97TH	7.92
20.25	98TH	7.97
20.45	99TH	8.05

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.97	1ST	7.08
18.19	2ND	7.16
18.32	3RD	7.21
18.51	5TH	7.29
18.79	10TH	7.40
18.98	15TH	7.47
19.12	20TH	7.53
19.25	25TH	7.58
19.35	30TH	7.62
19.45	35TH	7.66
19.55	40TH	7.69
19.63	45TH	7.73
19.72	50TH	7.76
19.81	55TH	7.80
19.89	60TH	7.83
19.98	65TH	7.87
20.07	70TH	7.90
20.17	75TH	7.94
20.29	80TH	7.99
20.42	85TH	8.04
20.59	90TH	8.11
20.85	95TH	8.21
21.04	97TH	8.28
21.18	98TH	8.34
21.42	99TH	8.43

## (H37) SELLION-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.53	MEAN VALUE	4.15
.01	SE(MEAN)	.01
.66	STD DEVIATION	.26
.01	SE(STD DEV)	.00
13.30	MAXIMUM	5.24
8.10	MINIMUM	3.19

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.30  
 COEF. OF VARIATION = 6.3%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
11.20	MEAN VALUE	4.41
.02	SE(MEAN)	.01
.69	STD DEVIATION	.27
.01	SE(STD DEV)	.00
13.70	MAXIMUM	5.39
9.00	MINIMUM	3.54

---

SYMMETRY---VETA I = .14  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 6.2%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.04	1ST	3.56
9.21	2ND	3.63
9.32	3RD	3.67
9.47	5TH	3.73
9.70	10TH	3.82
9.86	15TH	3.88
9.98	20TH	3.93
10.09	25TH	3.97
10.18	30TH	4.01
10.27	35TH	4.04
10.35	40TH	4.08
10.43	45TH	4.11
10.51	50TH	4.14
10.59	55TH	4.17
10.68	60TH	4.20
10.76	65TH	4.24
10.85	70TH	4.27
10.95	75TH	4.31
11.07	80TH	4.36
11.20	85TH	4.41
11.38	90TH	4.48
11.65	95TH	4.59
11.84	97TH	4.66
11.98	98TH	4.72
12.22	99TH	4.81

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.66	1ST	3.80
9.84	2ND	3.87
9.95	3RD	3.92
10.10	5TH	3.98
10.24	10TH	4.07
10.50	15TH	4.13
10.63	20TH	4.18
10.74	25TH	4.23
10.84	30TH	4.27
10.93	35TH	4.30
11.02	40TH	4.34
11.10	45TH	4.37
11.19	50TH	4.40
11.27	55TH	4.44
11.36	60TH	4.47
11.45	65TH	4.51
11.55	70TH	4.55
11.65	75TH	4.59
11.77	80TH	4.63
11.91	85TH	4.69
12.09	90TH	4.76
12.37	95TH	4.87
12.56	97TH	4.95
12.71	98TH	5.00
12.94	99TH	5.10

## (H38) STOMION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.31	MEAN VALUE	7.60
.02	SE(MEAN)	.01
.99	STD DEVIATION	.39
.01	SE(STD DEV)	.01
22.30	MAXIMUM	8.78
16.20	MINIMUM	6.38

---

SYMMETRY---VETA I = .09  
 KURTOSIS---VETA II = 2.72  
 COEF. OF VARIATION = 5.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.94	MEAN VALUE	7.85
.02	SE(MEAN)	.01
.96	STD DEVIATION	.38
.02	SE(STD DEV)	.01
23.30	MAXIMUM	9.17
16.40	MINIMUM	6.46

---

SYMMETRY---VETA I = .08  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.14	1ST	6.75
17.39	2ND	6.85
17.54	3RD	6.91
17.74	5TH	6.99
18.06	10TH	7.11
18.27	15TH	7.19
18.45	20TH	7.26
18.60	25TH	7.32
18.75	30TH	7.38
18.88	35TH	7.43
19.01	40TH	7.49
19.14	45TH	7.54
19.28	50TH	7.59
19.41	55TH	7.64
19.54	60TH	7.69
19.69	65TH	7.75
19.84	70TH	7.81
20.00	75TH	7.88
20.19	80TH	7.95
20.40	85TH	8.03
20.66	90TH	8.14
21.03	95TH	8.28
21.24	97TH	8.36
21.38	98TH	8.42
21.56	99TH	8.49

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.77	1ST	7.00
18.02	2ND	7.09
18.18	3RD	7.16
18.39	5TH	7.24
18.72	10TH	7.37
18.95	15TH	7.46
19.13	20TH	7.53
19.29	25TH	7.59
19.43	30TH	7.65
19.56	35TH	7.70
19.69	40TH	7.75
19.81	45TH	7.80
19.93	50TH	7.85
20.05	55TH	7.89
20.17	60TH	7.94
20.30	65TH	7.99
20.44	70TH	8.05
20.58	75TH	8.10
20.75	80TH	8.17
20.94	85TH	8.24
21.19	90TH	8.34
21.55	95TH	8.48
21.79	97TH	8.58
21.96	98TH	8.65
22.23	99TH	8.75

## (H39) STOMION-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.51	MEAN VALUE	6.89
.02	SE(MEAN)	.01
.77	STD DEVIATION	.30
.01	SE(STD DEV)	.00
20.00	MAXIMUM	7.87
14.70	MINIMUM	5.79

---

SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.10  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
18.63	MEAN VALUE	7.33
.02	SE(MEAN)	.01
.78	STD DEVIATION	.31
.01	SE(STD DEV)	.01
21.20	MAXIMUM	8.35
16.10	MINIMUM	6.34

---

SYMMETRY---VETA I = .15  
 KURTOSIS---VETA II = 2.99  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.66	1ST	6.17
15.91	2ND	6.27
16.07	3RD	6.32
16.26	5TH	6.40
16.55	10TH	6.51
16.73	15TH	6.59
16.88	20TH	6.64
17.00	25TH	6.69
17.11	30TH	6.74
17.21	35TH	6.78
17.31	40TH	6.81
17.40	45TH	6.85
17.50	50TH	6.89
17.59	55TH	6.93
17.69	60TH	6.96
17.79	65TH	7.00
17.90	70TH	7.05
18.02	75TH	7.09
18.15	80TH	7.15
18.30	85TH	7.21
18.50	90TH	7.29
18.80	95TH	7.40
19.00	97TH	7.48
19.14	98TH	7.54
19.37	99TH	7.62

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
16.94	1ST	6.67
17.12	2ND	6.74
17.23	3RD	6.78
17.39	5TH	6.85
17.65	10TH	6.95
17.83	15TH	7.02
17.97	20TH	7.07
18.09	25TH	7.12
18.21	30TH	7.17
18.31	35TH	7.21
18.41	40TH	7.25
18.51	45TH	7.29
18.61	50TH	7.33
18.70	55TH	7.36
18.80	60TH	7.40
18.91	65TH	7.44
19.02	70TH	7.49
19.14	75TH	7.53
19.27	80TH	7.59
19.43	85TH	7.65
19.63	90TH	7.73
19.94	95TH	7.85
20.15	97TH	7.93
20.30	98TH	7.99
20.55	99TH	8.09



## (H40) SUBNASALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
19.57	MEAN VALUE	7.70
.02	SE(MEAN)	.01
.80	STD DEVIATION	.31
.01	SE(STD DEV)	.00
22.00	MAXIMUM	8.66
16.40	MINIMUM	6.46

---

SYMMETRY---VETA I = -.04  
 KURTOSIS---VETA II = 3.17  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
20.35	MEAN VALUE	8.01
.02	SE(MEAN)	.01
.83	STD DEVIATION	.33
.01	SE(STD DEV)	.01
23.10	MAXIMUM	9.09
17.40	MINIMUM	6.85

---

SYMMETRY---VETA I = -.09  
 KURTOSIS---VETA II = 3.31  
 COEF. OF VARIATION = 4.1%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
17.70	1ST	6.97
17.93	2ND	7.06
18.08	3RD	7.12
18.27	5TH	7.19
18.56	10TH	7.31
18.75	15TH	7.38
18.90	20TH	7.44
19.03	25TH	7.49
19.15	30TH	7.54
19.26	35TH	7.58
19.36	40TH	7.62
19.46	45TH	7.66
19.56	50TH	7.70
19.66	55TH	7.74
19.77	60TH	7.78
19.87	65TH	7.82
19.98	70TH	7.87
20.10	75TH	7.92
20.24	80TH	7.97
20.40	85TH	8.03
20.60	90TH	8.11
20.90	95TH	8.23
21.09	97TH	8.30
21.23	98TH	8.36
21.44	99TH	8.44

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
18.35	1ST	7.22
18.58	2ND	7.31
18.73	3RD	7.38
18.95	5TH	7.46
19.28	10TH	7.59
19.51	15TH	7.68
19.68	20TH	7.75
19.83	25TH	7.81
19.95	30TH	7.86
20.07	35TH	7.90
20.18	40TH	7.94
20.28	45TH	7.99
20.38	50TH	8.03
20.48	55TH	8.06
20.58	60TH	8.10
20.68	65TH	8.14
20.79	70TH	8.18
20.90	75TH	8.23
21.03	80TH	8.28
21.17	85TH	8.34
21.36	90TH	8.41
21.66	95TH	8.53
21.87	97TH	8.61
22.04	98TH	8.68
22.32	99TH	8.79

## (H41) SUBNASALE-SELLION LENGTH

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
4.82	MEAN VALUE	1.90
.01	SE(MEAN)	.00
.36	STD DEVIATION	.14
.01	SE(STD DEV)	.00
6.50	MAXIMUM	2.56
3.40	MINIMUM	1.34

---

SYMMETRY---VETA I = .19  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 7.6%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
5.05	MEAN VALUE	1.99
.01	SE(MEAN)	.00
.37	STD DEVIATION	.15
.01	SE(STD DEV)	.00
6.20	MAXIMUM	2.44
3.70	MINIMUM	1.46

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 2.90  
 COEF. OF VARIATION = 7.4%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
3.99	1ST	1.57
4.09	2ND	1.61
4.16	3RD	1.64
4.24	5TH	1.67
4.36	10TH	1.72
4.44	15TH	1.75
4.51	20TH	1.78
4.57	25TH	1.80
4.62	30TH	1.82
4.67	35TH	1.84
4.71	40TH	1.86
4.76	45TH	1.87
4.80	50TH	1.89
4.85	55TH	1.91
4.89	60TH	1.93
4.94	65TH	1.95
5.00	70TH	1.97
5.05	75TH	1.99
5.12	80TH	2.02
5.20	85TH	2.05
5.30	90TH	2.09
5.45	95TH	2.15
5.55	97TH	2.19
5.63	98TH	2.22
5.75	99TH	2.26

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
4.17	1ST	1.64
4.28	2ND	1.69
4.35	3RD	1.71
4.44	5TH	1.75
4.57	10TH	1.80
4.66	15TH	1.84
4.73	20TH	1.86
4.80	25TH	1.89
4.85	30TH	1.91
4.90	35TH	1.93
4.95	40TH	1.95
5.00	45TH	1.97
5.05	50TH	1.99
5.10	55TH	2.01
5.14	60TH	2.03
5.19	65TH	2.05
5.25	70TH	2.07
5.30	75TH	2.09
5.37	80TH	2.11
5.44	85TH	2.14
5.54	90TH	2.18
5.68	95TH	2.23
5.77	97TH	2.27
5.83	98TH	2.30
5.93	99TH	2.34

## (H42) SUBNASALE-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
15.28	MEAN VALUE	6.02
.02	SE(MEAN)	.01
.74	STD DEVIATION	.29
.01	SE(STD DEV)	.00
17.90	MAXIMUM	7.05
12.80	MINIMUM	5.04

---

SYMMETRY---VETA I = -.06  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 4.9%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.19	MEAN VALUE	6.37
.02	SE(MEAN)	.01
.77	STD DEVIATION	.30
.01	SE(STD DEV)	.01
18.90	MAXIMUM	7.44
13.70	MINIMUM	5.39

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.01  
 COEF. OF VARIATION = 4.8%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
13.50	1ST	5.31
13.71	2ND	5.40
13.85	3RD	5.45
14.04	5TH	5.53
14.32	10TH	5.64
14.51	15TH	5.71
14.66	20TH	5.77
14.79	25TH	5.82
14.90	30TH	5.87
15.00	35TH	5.91
15.10	40TH	5.95
15.20	45TH	5.98
15.29	50TH	6.02
15.38	55TH	6.05
15.47	60TH	6.09
15.57	65TH	6.13
15.67	70TH	6.17
15.78	75TH	6.21
15.90	80TH	6.26
16.04	85TH	6.31
16.22	90TH	6.39
16.49	95TH	6.49
16.68	97TH	6.57
16.82	98TH	6.62
17.05	99TH	6.71

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.45	1ST	5.69
14.64	2ND	5.76
14.77	3RD	5.81
14.94	5TH	5.88
15.21	10TH	5.99
15.40	15TH	6.06
15.54	20TH	6.12
15.67	25TH	6.17
15.78	30TH	6.21
15.89	35TH	6.25
15.99	40TH	6.29
16.08	45TH	6.33
16.18	50TH	6.37
16.28	55TH	6.41
16.38	60TH	6.45
16.48	65TH	6.49
16.58	70TH	6.53
16.70	75TH	6.57
16.83	80TH	6.63
16.98	85TH	6.69
17.18	90TH	6.76
17.47	95TH	6.88
17.66	97TH	6.95
17.80	98TH	7.01
18.02	99TH	7.10

## (H43) TRAGION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.74	MEAN VALUE	3.83
.01	SE(MEAN)	.00
.55	STD DEVIATION	.22
.01	SE(STD DEV)	.00
11.70	MAXIMUM	4.61
8.00	MINIMUM	3.15

---

SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.11  
 COEF. OF VARIATION = 5.6%  
 NUMBER OF SUBJECTS = 2208

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## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.89	MEAN VALUE	3.90
.01	SE(MEAN)	.01
.58	STD DEVIATION	.23
.01	SE(STD DEV)	.00
12.00	MAXIMUM	4.72
8.00	MINIMUM	3.15

---

SYMMETRY---VETA I = .04  
 KURTOSIS---VETA II = 3.09  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
8.48	1ST	3.34
8.62	2ND	3.40
8.72	3RD	3.43
8.84	5TH	3.48
9.04	10TH	3.56
9.17	15TH	3.61
9.28	20TH	3.65
9.37	25TH	3.69
9.45	30TH	3.72
9.53	35TH	3.75
9.60	40TH	3.78
9.67	45TH	3.81
9.74	50TH	3.83
9.81	55TH	3.86
9.83	60TH	3.89
9.95	65TH	3.92
10.02	70TH	3.95
10.11	75TH	3.98
10.20	80TH	4.02
10.31	85TH	4.06
10.44	90TH	4.11
10.64	95TH	4.19
10.77	97TH	4.24
10.86	98TH	4.28
11.01	99TH	4.34

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
8.54	1ST	3.36
8.70	2ND	3.43
8.80	3RD	3.46
8.94	5TH	3.52
9.15	10TH	3.60
9.29	15TH	3.66
9.40	20TH	3.70
9.50	25TH	3.74
9.59	30TH	3.78
9.67	35TH	3.81
9.75	40TH	3.84
9.82	45TH	3.87
9.89	50TH	3.89
9.97	55TH	3.92
10.04	60TH	3.95
10.12	65TH	3.98
10.20	70TH	4.01
10.28	75TH	4.05
10.38	80TH	4.09
10.50	85TH	4.13
10.64	90TH	4.19
10.85	95TH	4.27
10.99	97TH	4.33
11.10	98TH	4.37
11.26	99TH	4.43

## (H44) TRAGION--TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.35	MEAN VALUE	4.86
.01	SE(MEAN)	.00
.55	STD DEVIATION	.22
.01	SE(STD DEV)	.00
14.50	MAXIMUM	5.71
10.60	MINIMUM	4.17

---

SYMMETRY---VETA I = .05  
 KURTOSIS---VETA II = 3.38  
 COEF. OF VARIATION = 4.5%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.10	MEAN VALUE	5.16
.01	SE(MEAN)	.01
.57	STD DEVIATION	.22
.01	SE(STD DEV)	.00
15.10	MAXIMUM	5.94
11.20	MINIMUM	4.41

---

SYMMETRY---VETA I = .03  
 KURTOSIS---VETA II = 3.19  
 COEF. OF VARIATION = 4.3%  
 NUMBER OF SUBJECTS = 1774

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## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
10.99	1ST	4.33
11.17	2ND	4.40
11.27	3RD	4.44
11.42	5TH	4.50
11.65	10TH	4.53
11.79	15TH	4.64
11.90	20TH	4.69
12.00	25TH	4.72
12.08	30TH	4.76
12.16	35TH	4.79
12.23	40TH	4.81
12.30	45TH	4.84
12.36	50TH	4.87
12.43	55TH	4.89
12.49	60TH	4.92
12.56	65TH	4.94
12.63	70TH	4.97
12.71	75TH	5.00
12.79	80TH	5.04
12.90	85TH	5.08
13.03	90TH	5.13
13.25	95TH	5.22
13.40	97TH	5.28
13.53	98TH	5.33
13.74	99TH	5.41

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.75	1ST	4.63
11.93	2ND	4.70
12.04	3RD	4.74
12.18	5TH	4.79
12.39	10TH	4.88
12.52	15TH	4.93
12.63	20TH	4.97
12.72	25TH	5.01
12.81	30TH	5.04
12.88	35TH	5.07
12.95	40TH	5.10
13.02	45TH	5.13
13.09	50TH	5.15
13.16	55TH	5.18
13.23	60TH	5.21
13.31	65TH	5.24
13.38	70TH	5.27
13.47	75TH	5.30
13.56	80TH	5.34
13.68	85TH	5.38
13.82	90TH	5.44
14.04	95TH	5.53
14.18	97TH	5.58
14.29	98TH	5.62
14.46	99TH	5.69

## (H45) ZYGION-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.85	MEAN VALUE	5.06
.02	SE(MEAN)	.01
.76	STD DEVIATION	.30
.01	SE(STD DEV)	.00
16.00	MAXIMUM	6.30
10.40	MINIMUM	4.09

---

SYMMETRY---VETA I = .17  
 KURTOSIS---VETA II = 3.21  
 COEF. OF VARIATION = 5.9%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.26	MEAN VALUE	5.22
.01	SE(MEAN)	.01
.63	STD DEVIATION	.25
.01	SE(STD DEV)	.00
15.70	MAXIMUM	6.18
11.00	MINIMUM	4.33

---

SYMMETRY---VETA I = .07  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.7%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.16	1ST	4.39
11.34	2ND	4.46
11.46	3RD	4.51
11.62	5TH	4.58
11.88	10TH	4.68
12.06	15TH	4.75
12.20	20TH	4.80
12.33	25TH	4.85
12.44	30TH	4.90
12.54	35TH	4.94
12.64	40TH	4.98
12.74	45TH	5.01
12.83	50TH	5.05
12.93	55TH	5.09
13.03	60TH	5.13
13.13	65TH	5.17
13.23	70TH	5.21
13.35	75TH	5.26
13.48	80TH	5.31
13.63	85TH	5.37
13.82	90TH	5.44
14.11	95TH	5.56
14.30	97TH	5.63
14.45	98TH	5.69
14.68	99TH	5.78

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.80	1ST	4.65
11.98	2ND	4.72
12.09	3RD	4.76
12.24	5TH	4.82
12.47	10TH	4.91
12.62	15TH	4.97
12.74	20TH	5.02
12.85	25TH	5.06
12.94	30TH	5.09
13.02	35TH	5.13
13.10	40TH	5.16
13.18	45TH	5.19
13.26	50TH	5.22
13.33	55TH	5.25
13.41	60TH	5.28
13.49	65TH	5.31
13.57	70TH	5.34
13.67	75TH	5.38
13.77	80TH	5.42
13.89	85TH	5.47
14.05	90TH	5.53
14.29	95TH	5.63
14.46	97TH	5.69
14.59	98TH	5.74
14.81	99TH	5.83

## (H46) ZYGION-TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
12.63	MEAN VALUE	4.97
.01	SE(MEAN)	.00
.53	STD DEVIATION	.21
.01	SE(STD DEV)	.00
14.90	MAXIMUM	5.87
10.90	MINIMUM	4.29

---

SYMMETRY---VETA I = .18  
 KURTOSIS---VETA II = 3.40  
 COEF. OF VARIATION = 4.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
13.12	MEAN VALUE	5.17
.01	SE(MEAN)	.01
.57	STD DEVIATION	.23
.01	SE(STD DEV)	.00
15.10	MAXIMUM	5.94
11.20	MINIMUM	4.41

---

SYMMETRY---VETA I = .11  
 KURTOSIS---VETA II = 3.25  
 COEF. OF VARIATION = 4.4%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.40	1ST	4.49
11.57	2ND	4.55
11.66	3RD	4.59
11.79	5TH	4.64
11.98	10TH	4.72
12.11	15TH	4.77
12.20	20TH	4.80
12.29	25TH	4.84
12.36	30TH	4.87
12.43	35TH	4.89
12.49	40TH	4.92
12.56	45TH	4.94
12.62	50TH	4.97
12.68	55TH	4.99
12.75	60TH	5.02
12.82	65TH	5.05
12.89	70TH	5.07
12.97	75TH	5.11
13.06	80TH	5.14
13.17	85TH	5.18
13.31	90TH	5.24
13.52	95TH	5.32
13.67	97TH	5.38
13.78	98TH	5.42
13.95	99TH	5.49

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
11.80	1ST	4.65
11.97	2ND	4.71
12.07	3RD	4.75
12.21	5TH	4.81
12.41	10TH	4.89
12.55	15TH	4.94
12.65	20TH	4.98
12.74	25TH	5.02
12.83	30TH	5.05
12.90	35TH	5.08
12.97	40TH	5.11
13.04	45TH	5.14
13.11	50TH	5.16
13.18	55TH	5.19
13.25	60TH	5.22
13.33	65TH	5.25
13.41	70TH	5.28
13.49	75TH	5.31
13.59	80TH	5.35
13.71	85TH	5.40
13.86	90TH	5.46
14.09	95TH	5.55
14.25	97TH	5.61
14.37	98TH	5.66
14.57	99TH	5.74

## (H47) ZYGOFRONTALE-BACK OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
16.22	MEAN VALUE	6.38
.01	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
18.40	MAXIMUM	7.24
13.50	MINIMUM	5.31

---

SYMMETRY---VETA I = -.10  
 KURTOSIS---VETA II = 3.12  
 COEF. OF VARIATION = 3.9%  
 NUMBER OF SUBJECTS = 2206

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
17.12	MEAN VALUE	6.74
.02	SE(MEAN)	.01
.64	STD DEVIATION	.25
.01	SE(STD DEV)	.00
19.40	MAXIMUM	7.64
14.80	MINIMUM	5.83

---

SYMMETRY---VETA I = .00  
 KURTOSIS---VETA II = 3.14  
 COEF. OF VARIATION = 3.7%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
14.71	1ST	5.79
14.90	2ND	5.86
15.01	3RD	5.91
15.16	5TH	5.97
15.40	10TH	6.06
15.55	15TH	6.12
15.68	20TH	6.17
15.79	25TH	6.22
15.88	30TH	6.25
15.97	35TH	6.29
16.06	40TH	6.32
16.14	45TH	6.35
16.22	50TH	6.39
16.30	55TH	6.42
16.39	60TH	6.45
16.47	65TH	6.48
16.56	70TH	6.52
16.66	75TH	6.56
16.77	80TH	6.60
16.89	85TH	6.65
17.05	90TH	6.71
17.27	95TH	6.80
17.40	97TH	6.85
17.50	98TH	6.89
17.64	99TH	6.94

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
15.64	1ST	6.16
15.80	2ND	6.22
15.90	3RD	6.26
16.05	5TH	6.32
16.29	10TH	6.41
16.46	15TH	6.48
16.59	20TH	6.53
16.70	25TH	6.58
16.80	30TH	6.62
16.89	35TH	6.65
16.98	40TH	6.68
17.06	45TH	6.72
17.14	50TH	6.75
17.22	55TH	6.78
17.30	60TH	6.81
17.38	65TH	6.84
17.46	70TH	6.87
17.55	75TH	6.91
17.65	80TH	6.95
17.76	85TH	6.99
17.91	90TH	7.05
18.14	95TH	7.14
18.29	97TH	7.20
18.41	98TH	7.25
18.62	99TH	7.33



## (H48) ZYGOFRONTALE--TOP OF HEAD

## FEMALE

<u>CENTIMETERS</u>		<u>INCHES</u>
9.83	MEAN VALUE	3.87
.01	SE(MEAN)	.01
.61	STD DEVIATION	.24
.01	SE(STD DEV)	.00
12.40	MAXIMUM	4.88
7.70	MINIMUM	3.03

---

SYMMETRY---VETA I = .02  
 KURTOSIS---VETA II = 3.24  
 COEF. OF VARIATION = 6.2%  
 NUMBER OF SUBJECTS = 2208

---

## MALE

<u>CENTIMETERS</u>		<u>INCHES</u>
10.63	MEAN VALUE	4.19
.01	SE(MEAN)	.01
.62	STD DEVIATION	.24
.01	SE(STD DEV)	.00
12.90	MAXIMUM	5.08
8.50	MINIMUM	3.35

---

SYMMETRY---VETA I = -.02  
 KURTOSIS---VETA II = 3.15  
 COEF. OF VARIATION = 5.8%  
 NUMBER OF SUBJECTS = 1774

---

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
8.35	1ST	3.29
8.55	2ND	3.36
8.67	3RD	3.41
8.83	5TH	3.48
9.07	10TH	3.57
9.22	15TH	3.63
9.34	20TH	3.68
9.44	25TH	3.72
9.53	30TH	3.75
9.61	35TH	3.78
9.69	40TH	3.81
9.76	45TH	3.84
9.84	50TH	3.87
9.91	55TH	3.90
9.99	60TH	3.93
10.06	65TH	3.96
10.14	70TH	3.99
10.23	75TH	4.03
10.34	80TH	4.07
10.46	85TH	4.12
10.61	90TH	4.18
10.85	95TH	4.27
11.01	97TH	4.33
11.13	98TH	4.38
11.33	99TH	4.46

## THE PERCENTILES

<u>CENTIMETERS</u>		<u>INCHES</u>
9.15	1ST	3.60
9.35	2ND	3.68
9.47	3RD	3.73
9.62	5TH	3.79
9.85	10TH	3.88
10.01	15TH	3.94
10.12	20TH	3.99
10.23	25TH	4.03
10.32	30TH	4.06
10.40	35TH	4.10
10.48	40TH	4.13
10.56	45TH	4.16
10.64	50TH	4.19
10.71	55TH	4.22
10.79	60TH	4.25
10.87	65TH	4.28
10.96	70TH	4.31
11.05	75TH	4.35
11.15	80TH	4.39
11.27	85TH	4.44
11.43	90TH	4.50
11.66	95TH	4.59
11.80	97TH	4.65
11.91	98TH	4.69
12.08	99TH	4.76



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## APPENDIX

### A GLOSSARY OF ANATOMICAL AND ANTHROPOMETRIC TERMS

**anatomical position** -- a standard position of the body to which all anatomical directions (e.g., superior, medial, anterior) are referenced (see Figure A-1).

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

**axillary** -- pertaining to the armpit (axilla).

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

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

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

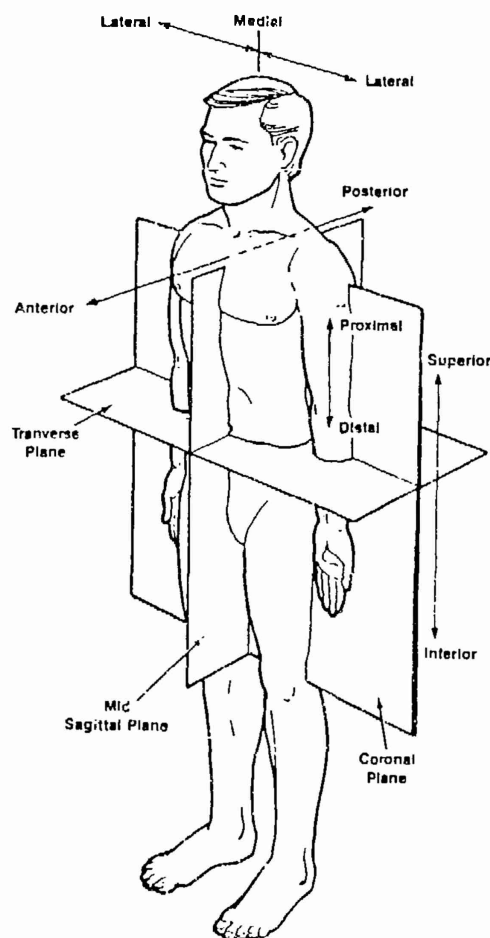


Figure A-1. The body in the anatomical position.

**coronal plane** -- any vertical plane at right angles to the midsagittal plane (see Figure A-1).

**deltoid muscle** -- the muscle that forms the flesh of the lateral side of the upper third of the upper arm.

**distal** -- the end of a bone or body segment farthest from the head; as opposed to proximal (see Figure A-1).

**dorsal** -- pertaining to the back of the body or one of its parts (on the hand, its top surface as opposed to its palmar surface).

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

**extend** -- to move adjacent segments so that the angle between them is increased, as when the leg is straightened; as opposed to flex.

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

**femur** -- the thigh bone.

**flex** -- to move a joint in such a direction as to bring together the two parts which it connects, as when the elbow is bent; as opposed to extend.

**fossa** -- a depression, usually somewhat longitudinal in shape, in the surface of a part, as in a bone.

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

**frontal bone** -- the bone that underlies the forehead.

**hyperextend** -- to overextend a limb or other part of the body.

**iliac** -- pertaining to an ilium, which is one of the three fused bones that form one side of the pelvis.

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

**ilium** -- the largest and superior bone of the three fused bones that form one side of the pelvis.

**inferior** -- below, in relation to another structure; lower (see Figure A-1).

**lateral** -- lying near or toward the sides of the body; as opposed to medial (see Figure A-1).

**latissimus dorsi** -- the large muscle covering the lower half of the back above the waist and converging on the upper arm in such a way that its flesh forms the posterior border of the axilla (armpit).

**malleoli** -- rounded bony projection on either side of the ankle. The lateral malleolus, on the outside of the ankle, is at the distal end of the fibula (one of the two bones of the calf); the medial malleolus, on the inside of the ankle, is at the distal end of the tibia (shinbone).

**mandible** -- the jawbone.

**mastoid process** -- lowest bony projection behind and below the ear. It can best be felt immediately behind the earlobe.

**medial** -- lying near or toward the midline of the body; as opposed to lateral (see Figure A-1).

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

**metatarsophalangeal joint** -- a joint formed by the juncture of a toe bone (phalanx) with the foot bone (metatarsal).

**midsagittal plane** -- the vertical plane which divides the body into right and left halves (see Figure A-1).

**olecranon** -- the proximal end of the ulna (elbow).

**palmar** -- pertaining to the palm side of the hand; as opposed to its dorsal surface.

**patella** -- the kneecap.

**phalanx** -- a finger or toe bone.

**pisiform** -- a wrist bone on the little finger side of the hand at the base of the palm. It can be felt as a bony protuberance just below the fleshy pad at the base of the palm.

**plantar** -- pertaining to the sole of the foot.

**posterior** -- pertaining to the back of the body; as opposed to anterior (see Figure A-1).

**proximal** -- the end of a bone or body segment nearest the head; as opposed to distal (see Figure A-1).

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

**scye** -- a tailoring term referring to the armhole of a garment.

**superior** -- above, in relation to another structure; higher (see Figure A-1).

**supra** -- prefix designating above or on.

**temporal crest** -- a ridge originating on the zygomatic process of the frontal bone and extending along the lateral aspect of the skull.

**thoracic** -- pertaining to the thorax; in this text, pertaining especially to the vertebra to which the ribs are attached.

**thorax** -- that part of the trunk between the neck and the abdomen enclosed by the rib cage.

**trapezius** -- the large muscle that originates on the neck and the upper half of the back and converges on the shoulder between midshoulder and acromion.

**vertebra** -- a bone of the spine. In humans there are seven cervical (neck), 12 thoracic (chest), five lumbar (lower back), five sacral (fused), and four caudal (tail) vertebrae.

**zygomatic arch** -- the bony arch below and to the side of the orbit of the skull extending horizontally along the side of the head from the cheekbone (the zygomatic bone) nearly to the external ear.

**zygomatic bone** -- a bone of the face underlying the upper part of the cheek.



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