

SPECIFIC TECHNIQUES

Immediately below are lists of instruments and measurements used in this study. These and landmarks are all defined and described in detail, with critical comment, in the Appendix, this rather bulky matter being placed there so as not to encumber the progress of the report toward actual results. However, any craniologically inclined reader is advised to consult them now, at least for definitions, for better comprehension of the details of shape distinction revealed by the discriminant analysis.

Instruments. These were all carried in a small, light fiberboard case, the instruments being inset in flat blocks of styrofoam and protected by other blocks of sponge rubber. The numbers shown are for reference in the list of measurements.

Ia	Spreading caliper
IIa	Sliding caliper, dial
IIb	Sliding caliper, small, inside
IIIa	Coordinate calipers
IIIb	Coordinate caliper — radiometer
IIIc	Coordinate caliper — simometer
IIId	Coordinate caliper — palatometer

Measurements and angles. These are listed here by name only; if names are not familiar or self-explanatory, the Appendix may be referred to. As I have said, these may *not* be assumed, from their names, to be identical with measurements defined by other writers. With each is listed the number of the instrument used (see above), together with a code abbreviation adopted here and made necessary by listings in tables and constant reference in text. This matter is explained in the appendix.

GOL	Glabello-occipital length	Ia
NOL	Nasio-occipital length	Ia
BNL	Basion-nasion length	Ia
BBH	Basion-bregma height	Ia
XCB	Maximum cranial breadth	Ia
XFB	Maximum frontal breadth	Ia
STB	Bistephanic breadth	IIa
ZYB	Bizygomatic breadth	IIa

AUB	Biauricular breadth
WCB	Minimum cranial breadth
ASB	Biasterionic breadth
BPL	Basion-prosthion length
NPH	Nasion-prosthion height
NLH	Nasal height
OBH	Orbit height, left
OBB	Orbit breadth, left
JUB	Bijugal breadth
NLB	Nasal breadth
MAB	Palate breadth, external
MDH	Mastoid length
MDB	Mastoid width
ZMB	Bimaxillary breadth
SSS	Bimaxillary subtense
FMB	Bifrontal breadth
NAS	Nasio-frontal subtense
EKB	Biorbital breadth
DKS	Dacryon subtense
DKB	Interorbital breadth
NDS	Naso-dacryal subtense
WNB	Simotic chord (least nasal breadth)
SIS	Simotic subtense
IML	Malar length, inferior
XML	Malar length, maximum
MLS	Malar subtense
WMH	Cheek height
SOS	Supraorbital projection
GLS	Glabella projection
FOL	Foramen magnum length
FRC	Nasion-bregma chord (frontal chord)
FRS	Nasion-bregma subtense
FRF	Nasion-subtense fraction
PAC	Bregma-lambda chord (parietal chord)
PAS	Bregma-lambda subtense
PAF	Bregma-subtense fraction
OCC	Lambda-opisthion chord (occipital chord)
OCS	Lambda-opisthion subtense

CRANIAL VARIATION IN MAN

OCF	Lambda-subtense fraction	IIIa	BAA	Basion angle (nasion-prosthion)	(con
VRR	Vertex radius	IIIb			
NAR	Nasion radius	IIIb	NBA	Nasion angle (basion-bregma)	
SSR	Subspinale radius	IIIb			
PRR	Prosthion radius	IIIb	BBA	Basion angle (nasion-bregma)	
DKR	Dacryon radius	IIIb			
ZOR	Zygoorbitale radius	IIIb	SSA	Zygomaxillary angle	
FMR	Frontomalare radius	IIIb	NFA	Nasio-frontal angle	
EKR	Ectoconchion radius	IIIb	DKA	Dacryal angle	
ZMR	Zygomaxillare radius	IIIb	NDA	Naso-dacryal angle	
AVR	Molar alveolus radius	IIIb	SIA	Simotic angle	
NAA	Nasion angle (basion-prosthion)	(computed)	FRA	Frontal angle	
PRA	Prosthion angle (basion-nasion)	"	PAA	Parietal angle	
			OCA	Occipital angle	