PLATE 1.

Table summarizing the results of the examination of the different groups of *Cycloclypeus* and *Lepidocyclina tournoueri*.

Groups arranged-chronologically	*Cycloclypeus* cf. *guembelianus*						*Cycloclypeus* cf. *carpenteri*				*Lep. tournoueri*	Composition of the accompanying fauna	Formation
	Number of heterosteginoidal septa		Number of operculinoidal septa		Av. surface of prol. section × 268² (measured)	Av. diam. of prol., calculated from av. surface	Nr. of heterosteg. septa	Nr. of opercul. septa	Av. surface of prol section × 268² (measured)	Av. diam. of prol., calculated from av. surface	Âv surface of prol. section		
	macr. gen.	micr. gen.	marc. gen.	micr. gen.	macr. gen.	macr. gen.	macr. gen.	macr. gen.	macr. gen.	macr. gen.	macr. gen.		
Jaen nr. 228	10–18 (26 sect.)		1—2 (27 sect.)		9.63 cM² (28 sect.)	131 μ (28 sect.)					0 0419 mm² (25 sect.)	*Nephrolepidina*, *Eulepidina* (small forms), *Miogypsina* (seldom)	Miocene (Aquitanian)
Villajoyosa nr. 454	12–28 (29 sect.)	32—35 (2 sect.)	1—3 (43 sect.)	10—11 (2 sect)	8.83 cM² (43 sect.)	125 μ (43 sect.)	11–17 (43 sect.)	0—2 (47 sect.)	14.03 cM² (53 sect.)	158 μ (53 sect.)	0.0430 mm² (38 sect.)	*Nephrolepidina*, *Eulepidina* (large forms), *Camerina* (ret. a. o. spec.)	Oligocene
Ronda nr. 44	16–33 (100 sect.)	33–51 (4 sect.)	1–3 (94 sect.)	8—11 (4 sect.)	7.25 cM² (118 sect.)	113 μ (118 sect.)					0.0435 mm² (28 sect.)	*Nephrolepidina*, *Eulepidina* (small forms), *Camerina* (ret. spec.) (seldom)	Oligocene
Moli de Llinares nr. 455	20–40 (110 sect.)	41–52 (3 sect.)	1—5? (161 sect.)	9–14 (3 sect.)	6 92 cM² (182 sect.)	110 μ (182 sect.)					0.0460 mm² (22 sect)	*Nephrolepidina*, *Eulepidina*, *Camerina* (ret a. o. spec)	Oligocene
Orcheta nr. 468											0.0486 mm² (31 sect.)	*Nephrolepidina*, *Eulepidina*, *Camerina* (various spec.)	Oligocene
Orcheta nr. 466											0.0500 mm² (36 sect.)	*Nephrolepidina* and *Eulepidina* (small forms and rather seldom), *Camerina* (ret. a. o. spec.) (very common)	Oligocene (± 50 M. below this: Eocene)

FIG. 1

FREQUENCY CURVES FOR THE NUMBER OF HETEROSTEGINOIDAL SEPTA OF CYCLOCLYPEUS, ARRANGED CHRONOLOGICALLY

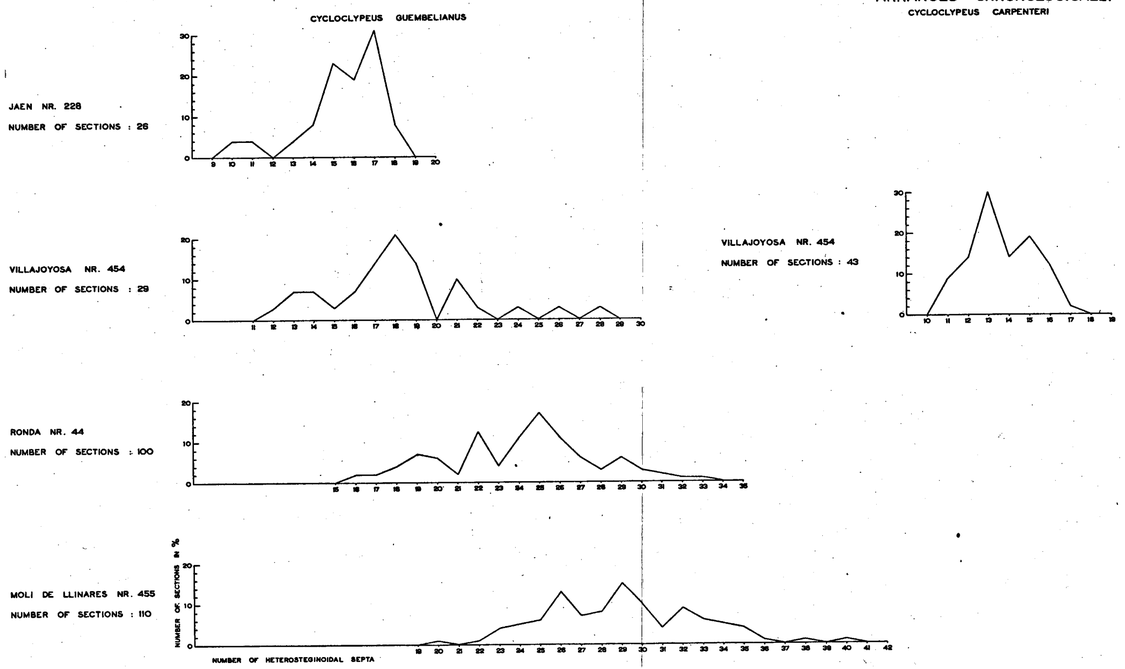
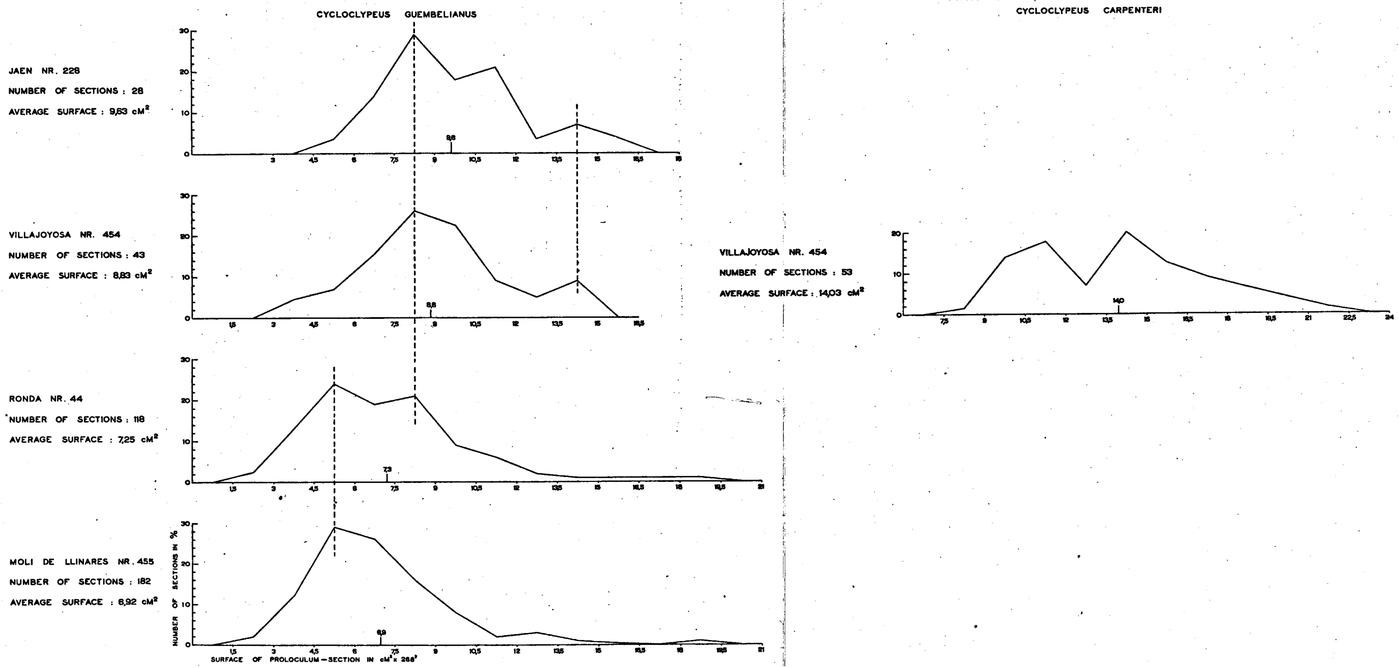


FIG. 2

FREQUENCY CURVES FOR THE SURFACE OF THE HORIZONTAL PROLOCULUM-SECTION OF CYCLOCLYPEUS. ARRANGED CHRONOLOGICALLY

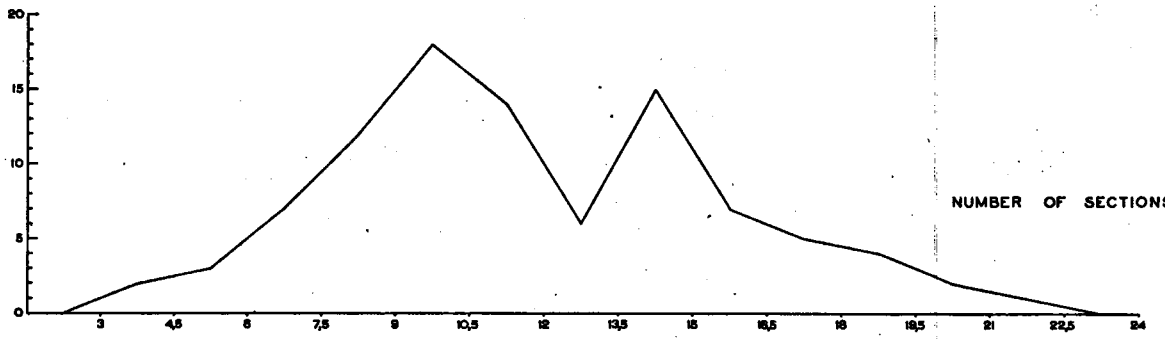
PLATE II



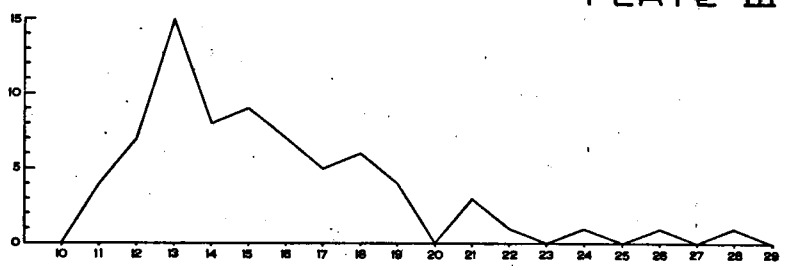
FREQUENCY CURVES FOR THE SURFACE OF THE HORIZONTAL PROLOCULUM-SECTION AND THE NUMBER OF HETEROSTEGINOIDAL SEPTA OF CYCLOCLYPEUS, FROM THE SAMPLE VILLAJOYOSA

PLATE III

NUMBER OF SECTIONS : 98



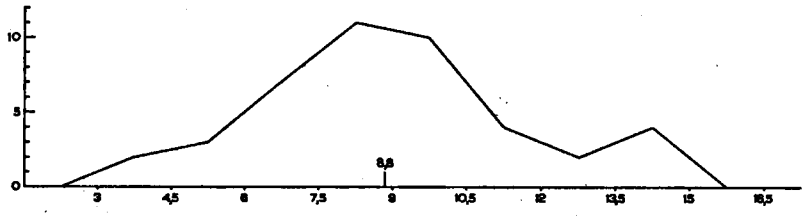
NUMBER OF SECTIONS : 72



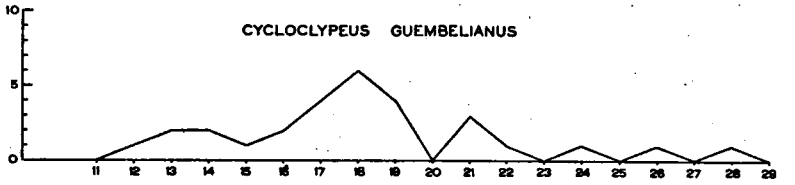
CYCLOCLYPEUS GUEMBELIANUS

AVERAGE SURFACE : 8,83 cM^2

NUMBER OF SECTIONS : 43



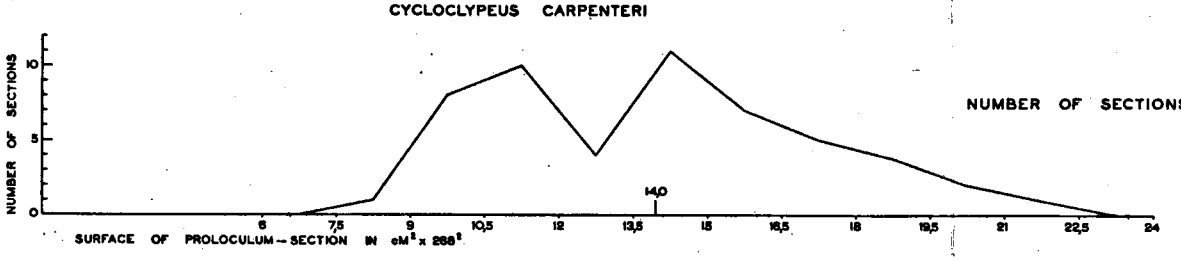
NUMBER OF SECTIONS : 29



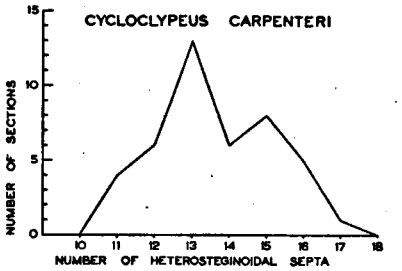
CYCLOCLYPEUS CARPENTERI

AVERAGE SURFACE : 14,03 cM^2

NUMBER OF SECTIONS : 53

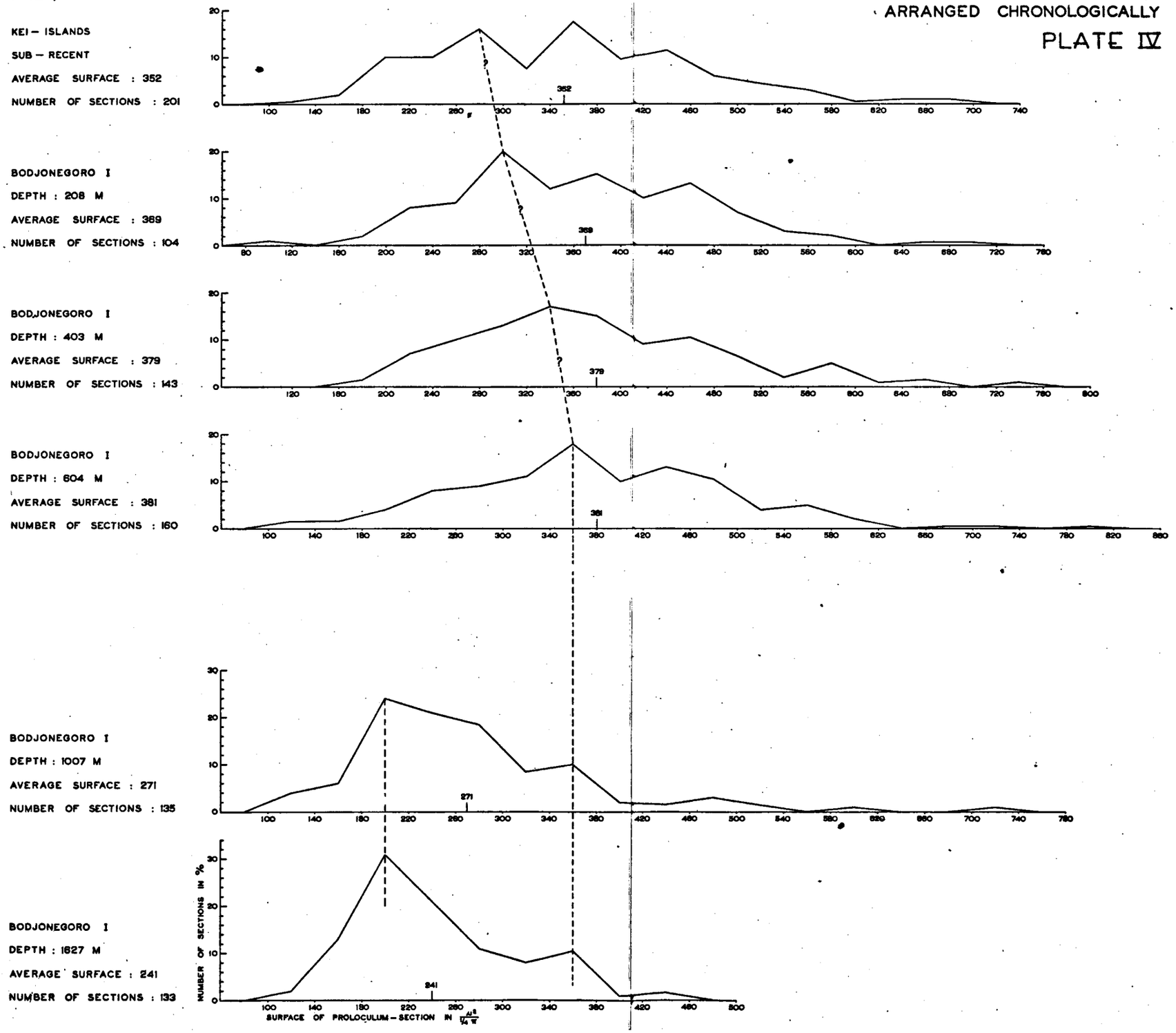


NUMBER OF SECTIONS : 43



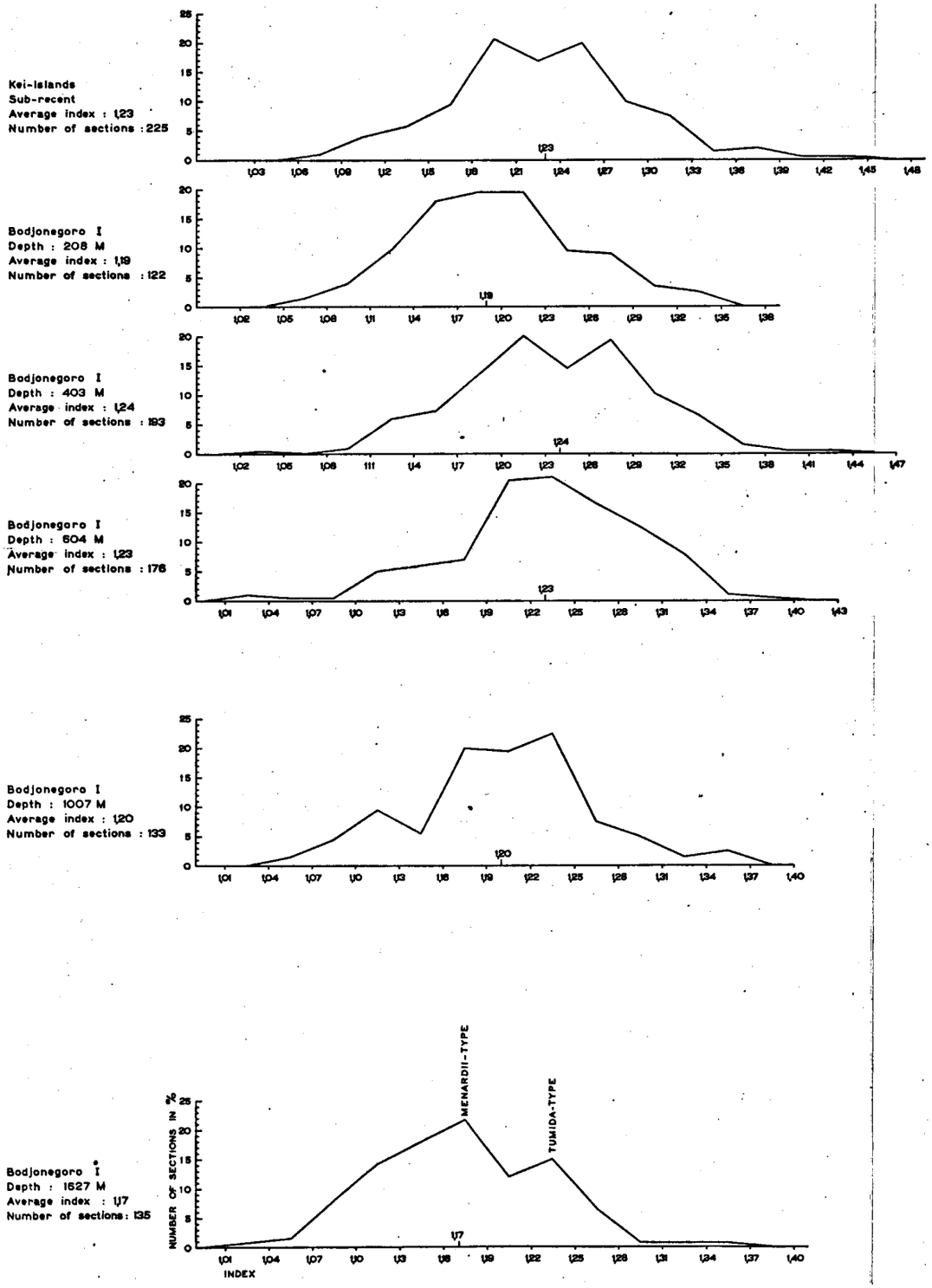
FREQUENCY CURVES FOR THE SURFACE OF THE HORIZONTAL PROLOCULUM-SECTION OF GLOBOROTALIA MENARDII, ARRANGED CHRONOLOGICALLY

PLATE IV



FREQUENCY CURVES FOR THE LENGTH-TO BREADTH-INDEX OF THE SHELL OF GLOBOROTALIA. ARRANGED CHRONOLOGICALLY

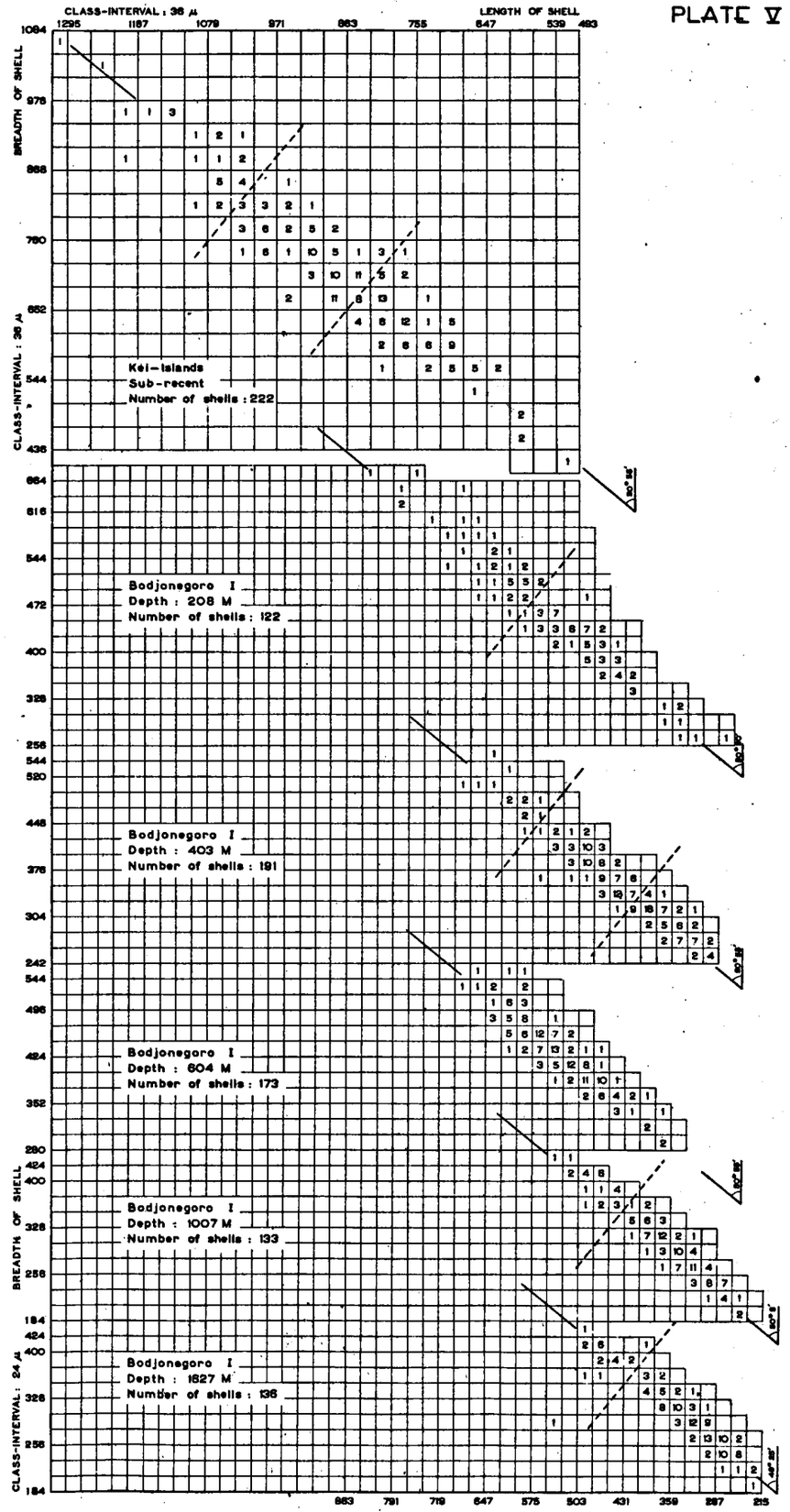
FIG. 1



CORRELATION TABLES FOR THE LENGTH AND BREADTH OF THE SHELL OF GLOBOROTALIA. ARRANGED CHRONOLOGICALLY

FIG. 2

PLATE V



Class-interval of the sub-recent group was taken 1½ times as large as in the other groups, on account of the so much larger dispersion.