

PLATE XVI

All Figs. (except F), transversal sections. (K. G. WINGSTRAND phot.)

*Haploniscus helgei* n. sp.

Figs. A, C-E and G, intermediate female No. 7.

Fig. A. Pereonites 6-4 (from left to right).

o. o. = oviduct opening

r. d. = cross section of receptaculum duct

Fig. C. The receptaculum and the proximal end of the duct at the connexion between pereonites 3 and 4 (anterior end of the animal to the right).

r. = receptaculum

r. d. = chitinized part of duct

Fig. D. Portion of the ovary at the connexion between pereonites 4 and 5.

h. s. = hepatic sac

ov. = ovary

Fig. E. Median section showing the shape of the alimentary canal.

Fig. F. Intermediate female No. 8 seen from below.

Fig. G. Pereonites 5 and 6 showing position of the organs which are possibly testes.

od. = oviduct

r. = posterior end of the receptaculum

? t. = ? testes

Fig. H. Pereonites 5-7 and pleon of immature male (No. 2).

op. = operculum (pleopods 2)

p. = penis

pa. = ? parasite

plp. 1 = developing pleopod 1

Fig. J. The penis, at greater magnification.

*Asellus aquaticus* (L.)

Fig. B. Female oviduct and receptaculum opening (o.) on pereonite 5 (adult ♀ from November).

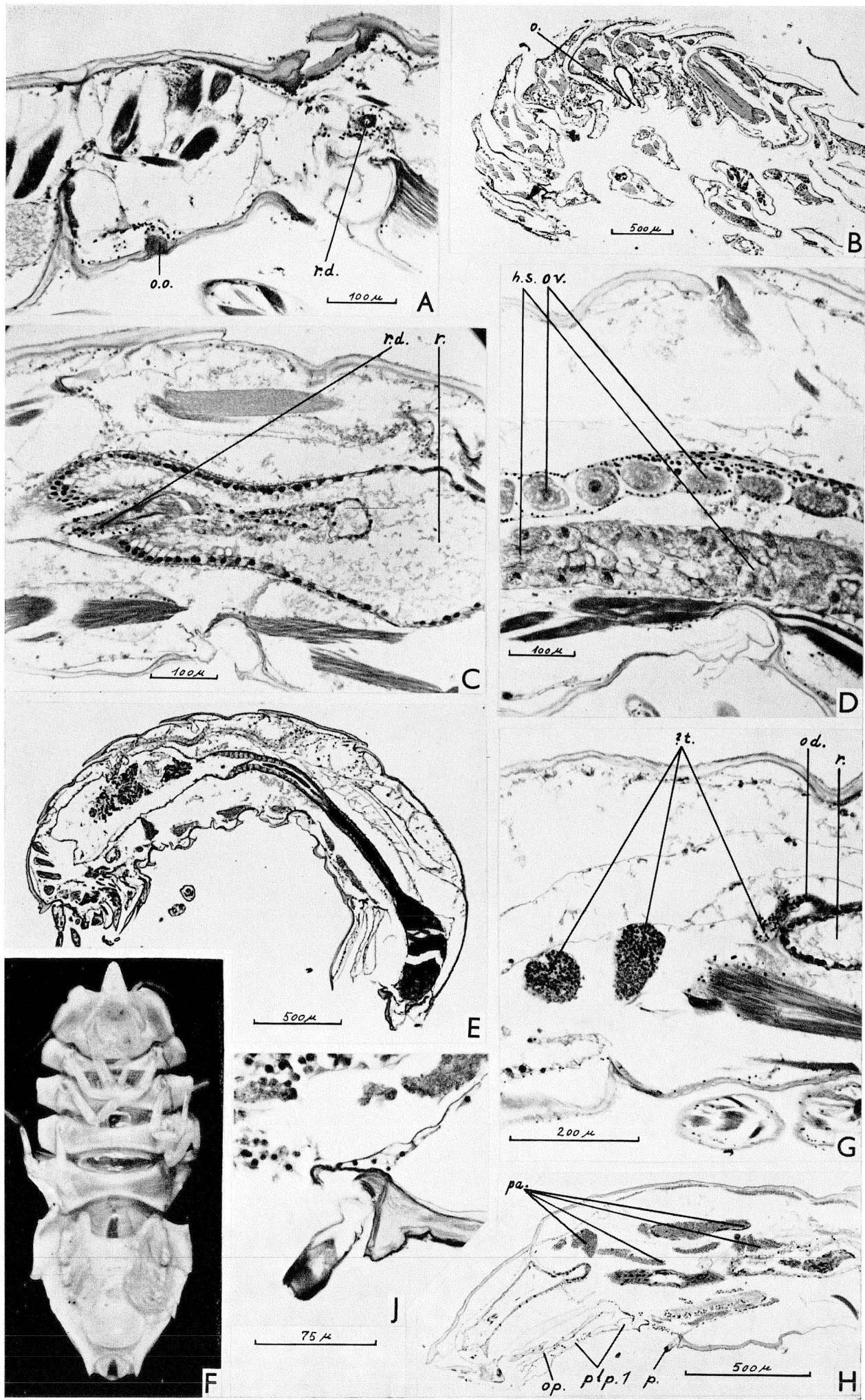


PLATE XVII

*Haploniscus helgei* n. sp.

Intermediate female No. 7.

(Figs. A-E, K. G. WINGSTRAND phot.; Figs. F-J, TYGE CHRISTENSEN phot.)

- Fig. A. Part of the distal end of the receptaculum duct and bulbus, showing what are (apparently) radiating muscles (transversal section).  
Fig. B. The bulbus (cross section).  
Fig. C. The same, showing the continuation of the duct (transversal section).  
Fig. D. Section (in another plane) of the middle organ (? testis) shown in Fig. G (Pl. XVI).

*Asellus aquaticus* (L.).

- Fig. E. Cross section of the germinal zone of testis (adult ♂ from November).

Intestine contents.

- Fig. F. Fragment of a muscle in the intestine contents, probably originating from the isopod itself (*Bathyopsurus nybelini*, No. 7).  
Fig. G. Unidentifiable spine from the intestine of *Bathyopsurus nybelini* (No. 5) (Puerto Rico Trench).  
Fig. H. Halacarid from *Storthyngura furcata* (No. 9) (*Galathea* St. 658, Kermadec Trench).  
Fig. J. Uropod of *Munneurycope murrayi* in the intestine of another specimen of the same species (No. 38) (*Thor* St. 180 in the North Atlantic).

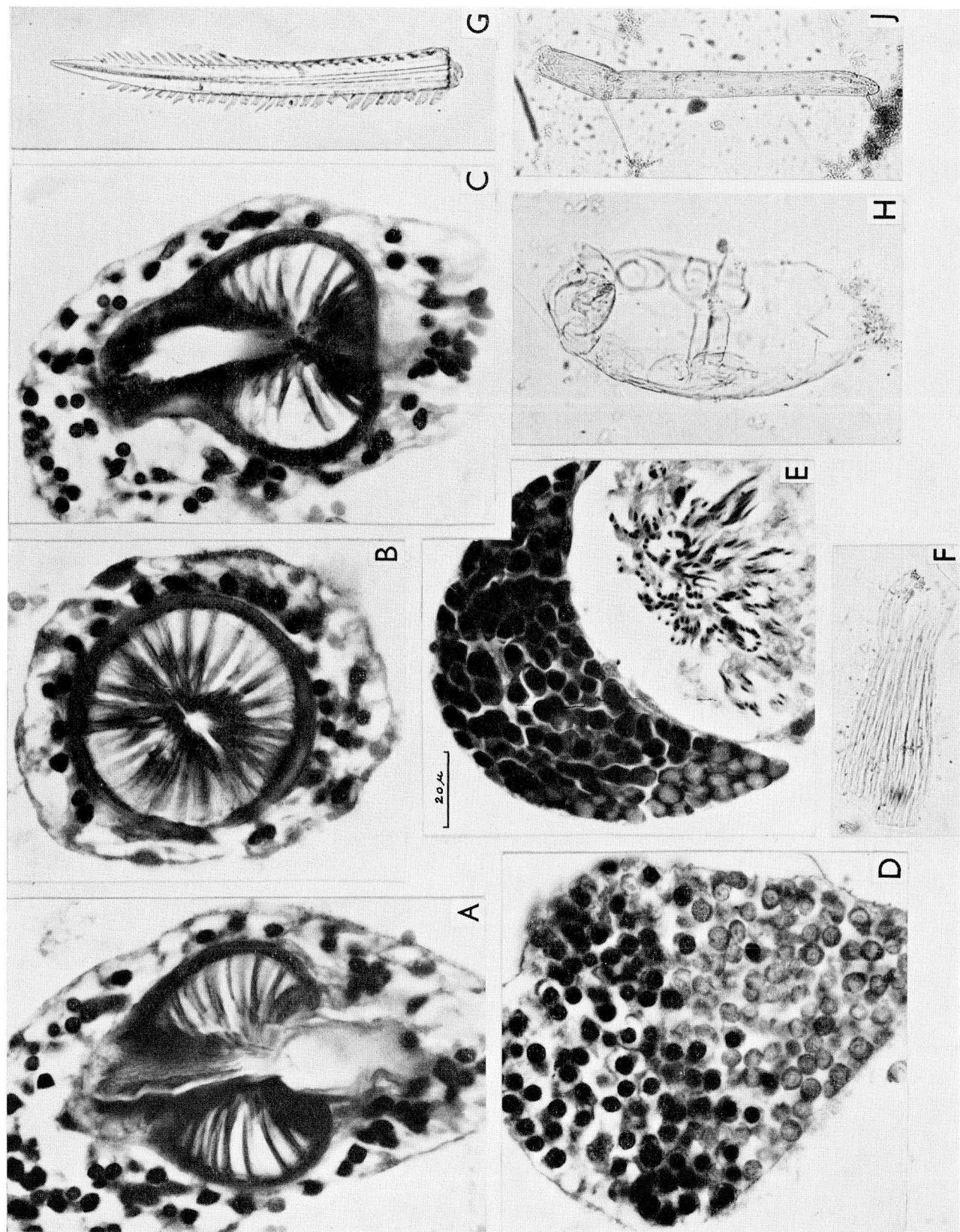


PLATE XVIII

Intestine contents.

(TYGE CHRISTENSEN phot.).

- Fig. A. *Sargassum fluitans*; longitudinal section through outer part of main axis; small dark surface cells and large transparent inner cells with pitted walls.
- Fig. B-D. Corresponding fragments of *Sargassum* sp. from the intestine of *Bathyopsurus nybelini* from the Puerto Rico Trench (Swedish Deep Sea Exp. St. 371); same magnification.
- Fig. E. *Sargassum fluitans*; section through outer part of a vesicle.
- Fig. F. Corresponding fragment of *Sargassum* sp. from the intestine of *B. nybelini* (St. 371); same magnification.
- Fig. G. *Sargassum fluitans*; cross section of leaf.
- Fig. H. Corresponding fragment of *Sargassum* sp. from *B. nybelini* (St. 371); same magnification.
- Fig. J. *Sargassum fluitans*; surface of leaf.
- Fig. K. Corresponding fragment of *Sargassum* sp. from *B. nybelini* (St. 371); same magnification.
- Fig. L. Corresponding fragment of fucalean brown alga from *B. nybelini* (*Galathea* St. 601 in the Tasman Sea); same magnification.
- Fig. M. *Coccolithus Huxleyi* from the intestine of *Paramunnopsis oceanica* (No. 31) (*Godthaab* St. 24 in the North Atlantic).
- Fig. N. One specimen of same at greater magnification.
- Fig. O. Unidentifiable chitinous fragment (of ? crustacean) from the intestine of *Munnopsis longiremis* (No. 13) (*Galathea* St. 716, off Costa Rica).

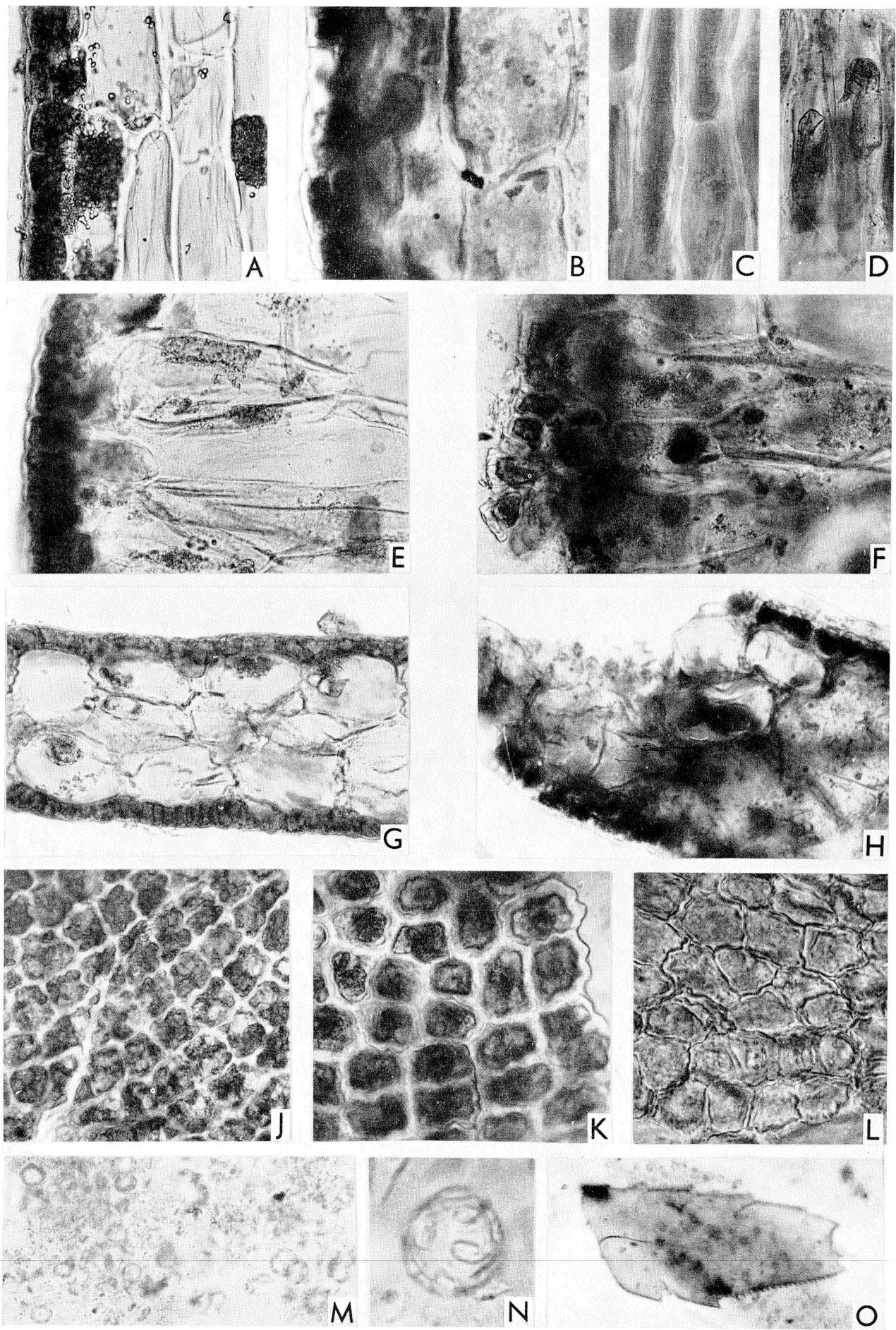


PLATE XIX

Intestine contents.

(TYGE CHRISTENSEN phot.).

- Fig. A. *Campanularia* aff. *johnstoni* from the intestine of *Bathyopsurus nybelini* (No. 5) (Puerto Rico Trench).
- Fig. B. *Campanularia integra* from *Storthyngura chelata* (No. 35) (*Vitjaz* St. 3457 in the Japan Trench).
- Fig. C. Other species of *Campanularia* in the same isopod specimen.
- Fig. D. Cross "section" of stolon and hydroid on masticated fragment of *Sargassum* sp. from the intestine of *Bathyopsurus nybelini* (No. 7) (Puerto Rico Trench).
- Fig. E. Fragment of an amphipod from *Storthyngura pulchra* (No. 19) (*Galathea* St. 716, off Costa Rica).
- Fig. F. Chaeta of a species of Aphroditidae from *Munnopsis longiremis* (No. 15) (*Galathea* St. 716, off Costa Rica).
- Fig. G. Chaeta of a species of Cirratulidae from the same species (No. 13).
- Fig. H. Mineral fragment from *Storthyngura furcata* (No. 9) (*Galathea* St. 658 in the Kermadec Trench).
- Fig. J. The same, fragments at half the magnification.
- Fig. K. Mineral fragments from *Paropsurus giganteus* (No. 23) (*Galathea* St. 601 in the Tasman Sea).
- Fig. L. Fragment of masticated wood from *Munnopsis longiremis* (No. 15) (*Galathea* St. 716, off Costa Rica).
- Fig. M. The same, at greater magnification.
- Fig. N. Rotaliform, benthic foraminifer from *Storthyngura furcata* (No. 22) (*Galathea* St. 654 in the Kermadec Trench).
- Fig. O. The same as Fig. D; stolon and stalk.
- Fig. P. Spicules of sponges and piece of the intestine wall from *Munneurycope murrayi* (No. 32) (*Thor* St. 183 in the North Atlantic).
- Fig. Q. Spicules of *Hyalonema bianchoratum* from *Munnopsis longiremis* (No. 12) (*Galathea* St. 716, off Costa Rica).

