

*Lettering on Plates:*

b: PAS-positive body	n: nerve (? ciliary nerve)
c: cornea	on: optic nerve
ca: camera anterior	onl: outer nuclear layer
ch: choroid	opl: outer plexiform layer
d: membrana Descemeti	p: retinal pigment epithelium
dn: ? degenerated nucleus	pd: distal part of retinal pigment epithelium
e: corneal endothelium	pi: pigment cells originating from retinal pigment epithelium
fi: artificial fissure between retina proper and pigment epithelium	pf: fold of pigment epithelium
g: glial tissue	pp: proximal part of retinal pigment epithelium
h: haemorrhage in choroid	r: retina
hp: hyperplasia of inner cell layer of pars iridica retinae	rn: rod nuclei
hv: hyaloid vessel	s: sclera
i: iris	sc: supraorbital canal
ic: infraorbital canal	sp: scleral process
l: lens	tc: m. tensor chorioideae
la: ligamentum annulare	v: vitreous
lc: lens capsule	x: artificial fissure separating lens nucleus from cortex of lens
ls: lymphatic sinus	
m: macrophage	

PLATE XII

*Bathypterois longipes* Günther, 1878

- Fig. 1: Central part of left eye. White triangles show inner surface of retina.  $8\mu$  section. H-E. NA: 0.45. Reduced from  $104\times$
- Fig. 2: Section through papilla of optic nerve of right eye. Arrow shows papilla of optic nerve, white triangles inner surface of retina.  $8\mu$  section. H-E. NA: 0.45. Reduced from  $141\times$
- Fig. 3: Iris and peripheral part of retina in ventral part of right eye.  $8\mu$  section. H-E. NA: 0.65. Reduced from  $575\times$
- Fig. 4: Same as fig. 3, bleached section.  $8\mu$  section. Weigert's iron hematoxylin and eosin. NA: 0.65. Reduced from  $575\times$
- Fig. 5: Retina in central part of fundus.  $8\mu$  section. H-E. NA: 1.0. Reduced from  $720\times$
- Fig. 6: Retinal pigment epithelium and choroid near ora terminalis. Note comparatively large retinal pigment granules (upper arrow) and small choroidal granules (lower arrow). Apparently small granules seen in retinal pigment epithelium are actually optical sections of needle-shaped retinal pigment granules.  $8\mu$  section. H-E. NA: 1.30. Reduced from  $2100\times$

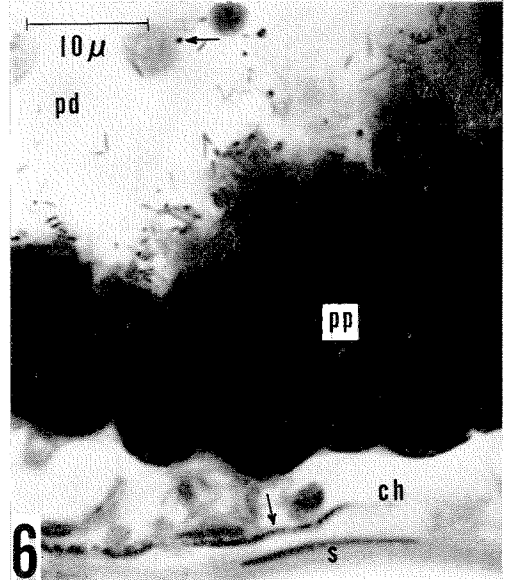
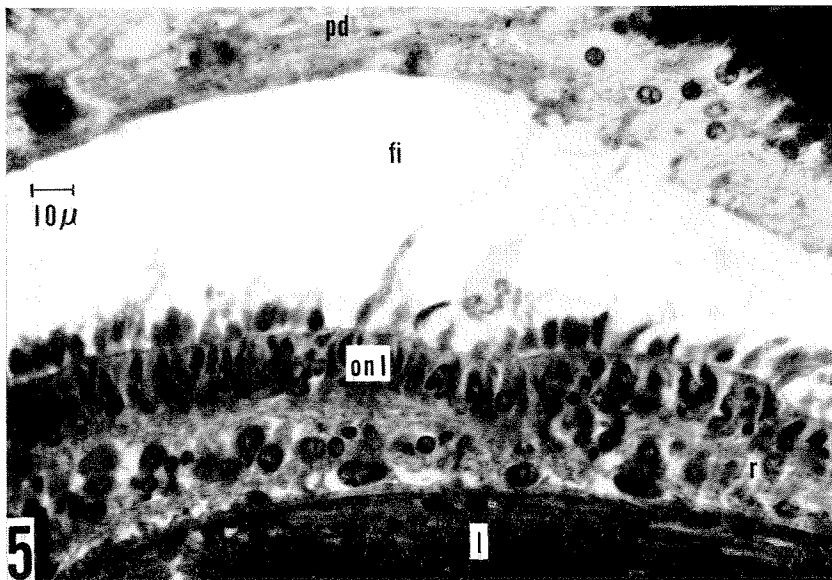
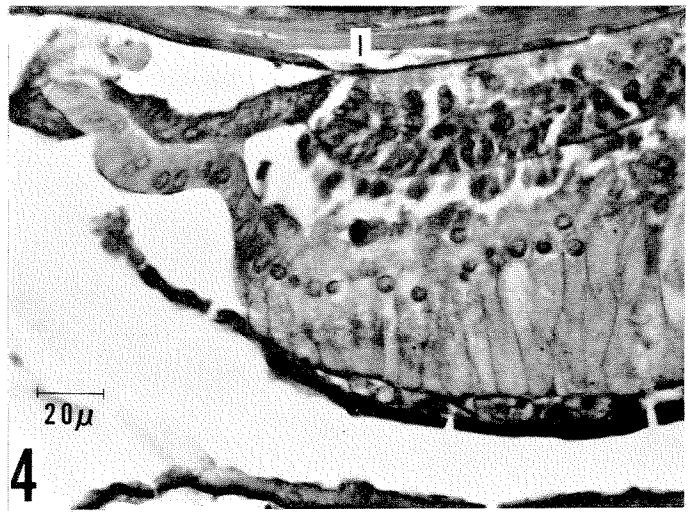
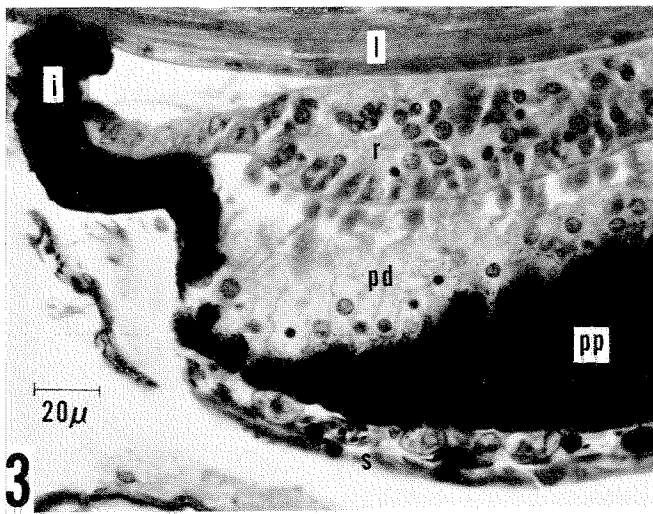
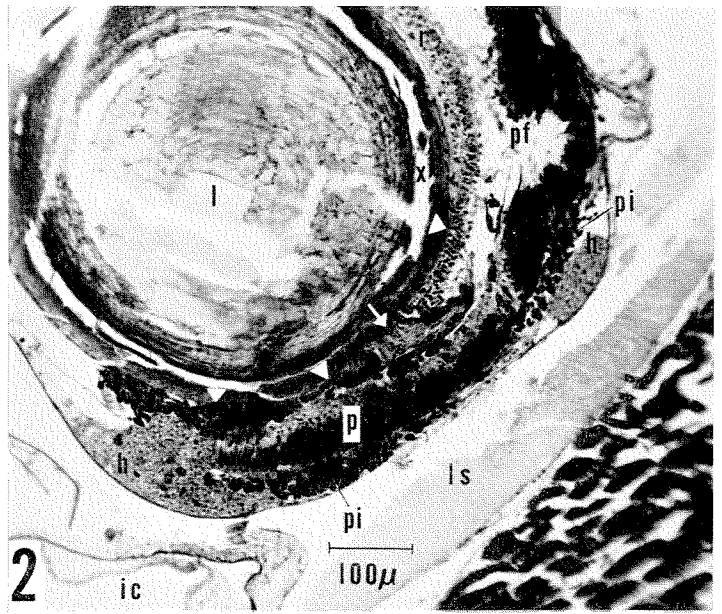
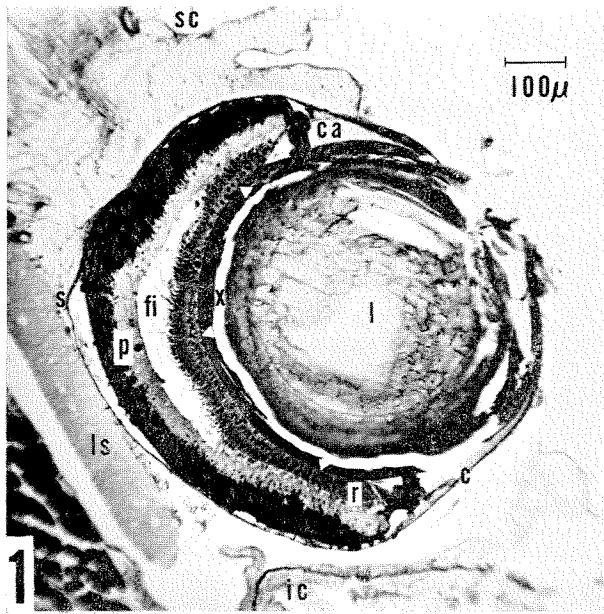


PLATE XIII

*Careproctus kermadecensis* Nielsen, 1964

- Fig. 1: Iris, ligamentum annulare, and peripheral retina from dorsal part of right eye.  $8\mu$  section. H-E. NA: 0.45. Reduced from  $157\times$
- Fig. 2: Section through papilla of optic nerve of left eye.  $8\mu$  section. Bodian's protargol method. NA: 0.45. Reduced from  $157\times$
- Fig. 3: Posterior subcapsular cataract of lens of left eye.  $8\mu$  section. PAS. NA: 0.65. Reduced from  $653\times$
- Figs. 4-5: Retina in fundus of left eye.  $8\mu$  section. PAS. NA: 1.0. Reduced from  $721\times$
- Fig. 6: Macrophages in layer of rod outer segments.  $8\mu$  section. PAS. NA: 1.0. Reduced from  $1086\times$

*Liparis liparis* (Linnaeus, 1766)

- Fig. 7: Outer part of light-adapted retina in central part of fundus.  $8\mu$  section. H-E. NA: 1.0. Reduced from  $721\times$

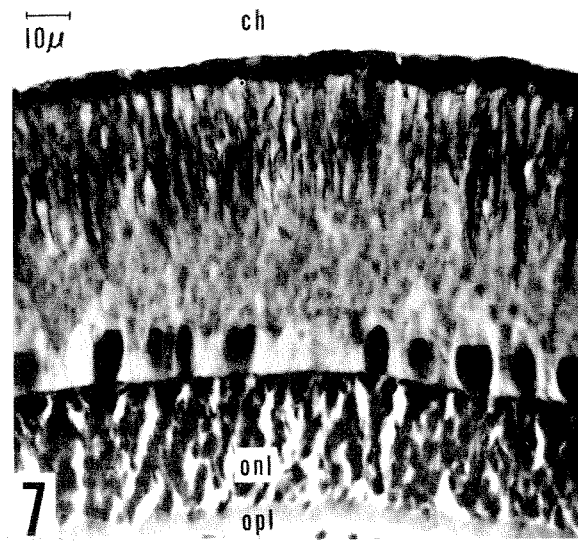
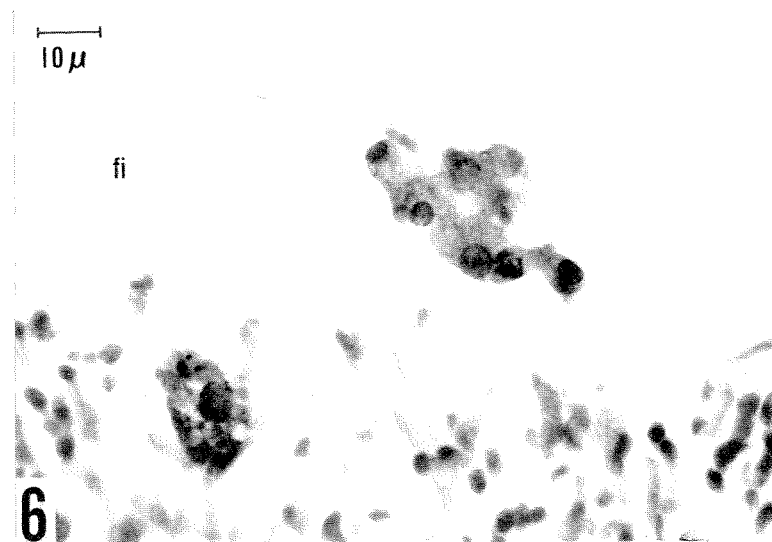
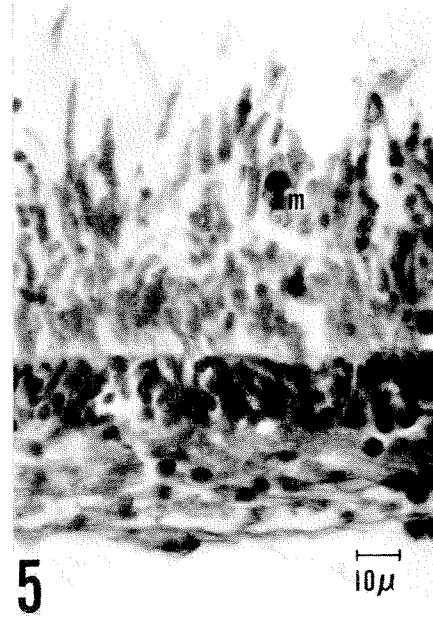
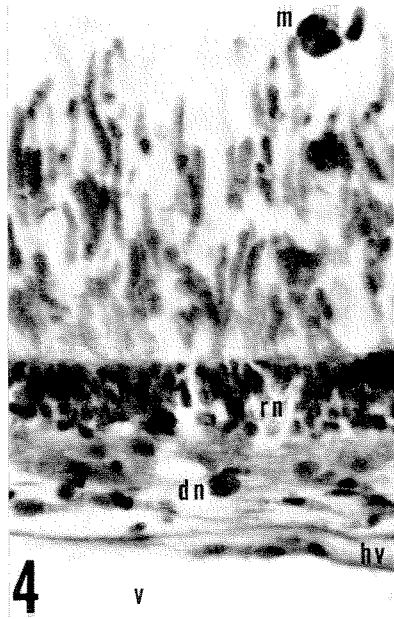
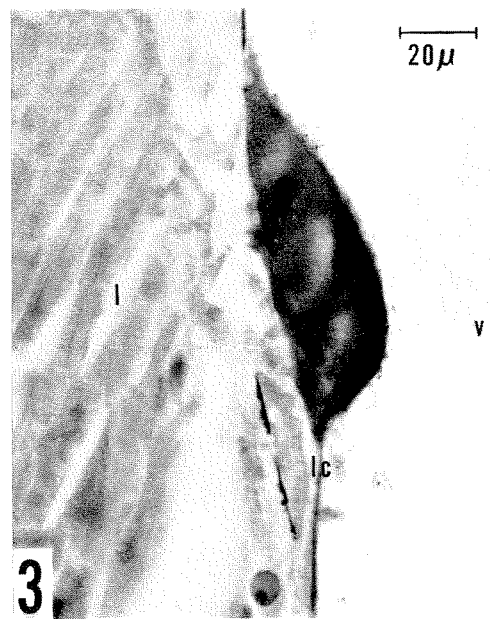
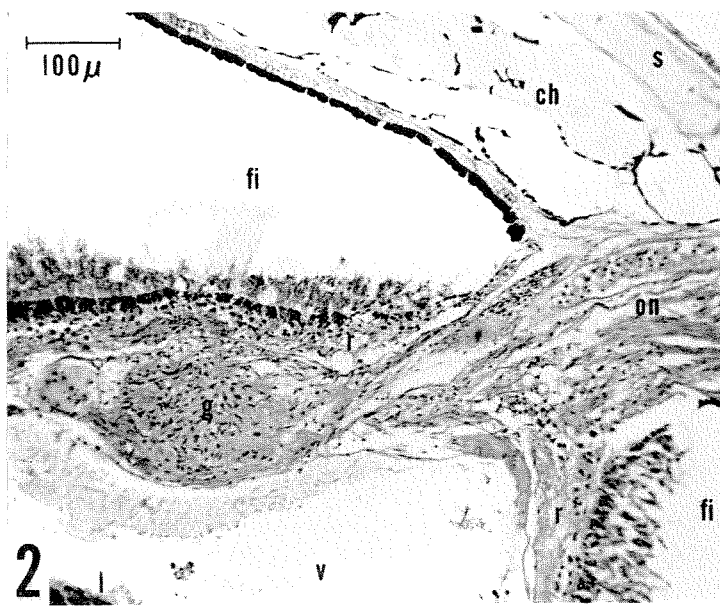
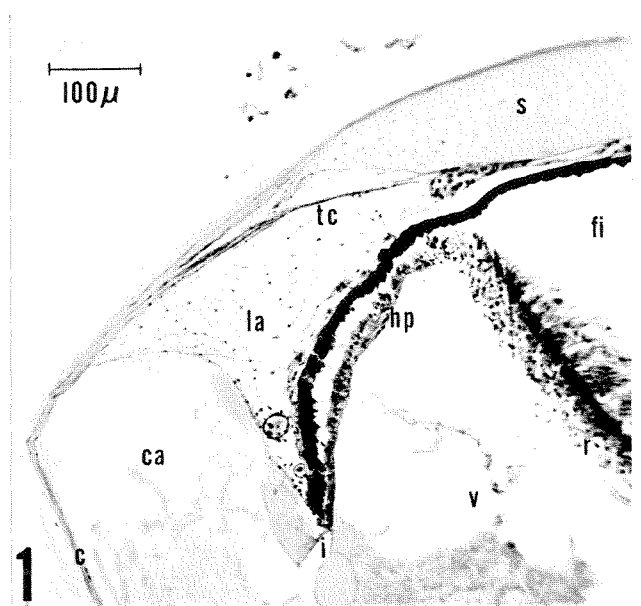


PLATE XIV

*Bassogigas profundissimus* (Roule, 1913)

- Fig. 1: Lateral view of head of 157 mm specimen (standard length). 3.8×  
Fig. 2: Section through temporal part of eye. 8μ section. PAS. NA: 0.16. Reduced from 87×  
Fig. 3: Medio-ventral part of eye. Arrow shows faintly pigmented zone of retinal pigment epithelium. 8μ section. H-E. NA: 0.45. Reduced from 176×  
Fig. 4: Medial part of eye slightly rostrally of papilla of optic nerve. 8μ section. Bodian's protargol method. NA: 0.45. Reduced from 176×  
Fig. 5a and b: Scleral cornea. 8μ section. PAS. NA: 1.0. Reduced from 910×  
Fig. 6: Retina in central part of fundus. 8μ section. PAS. NA: 1.0. Reduced from 928×. Inset shows macrophages and degenerating acromeres; reduced from 1285×

