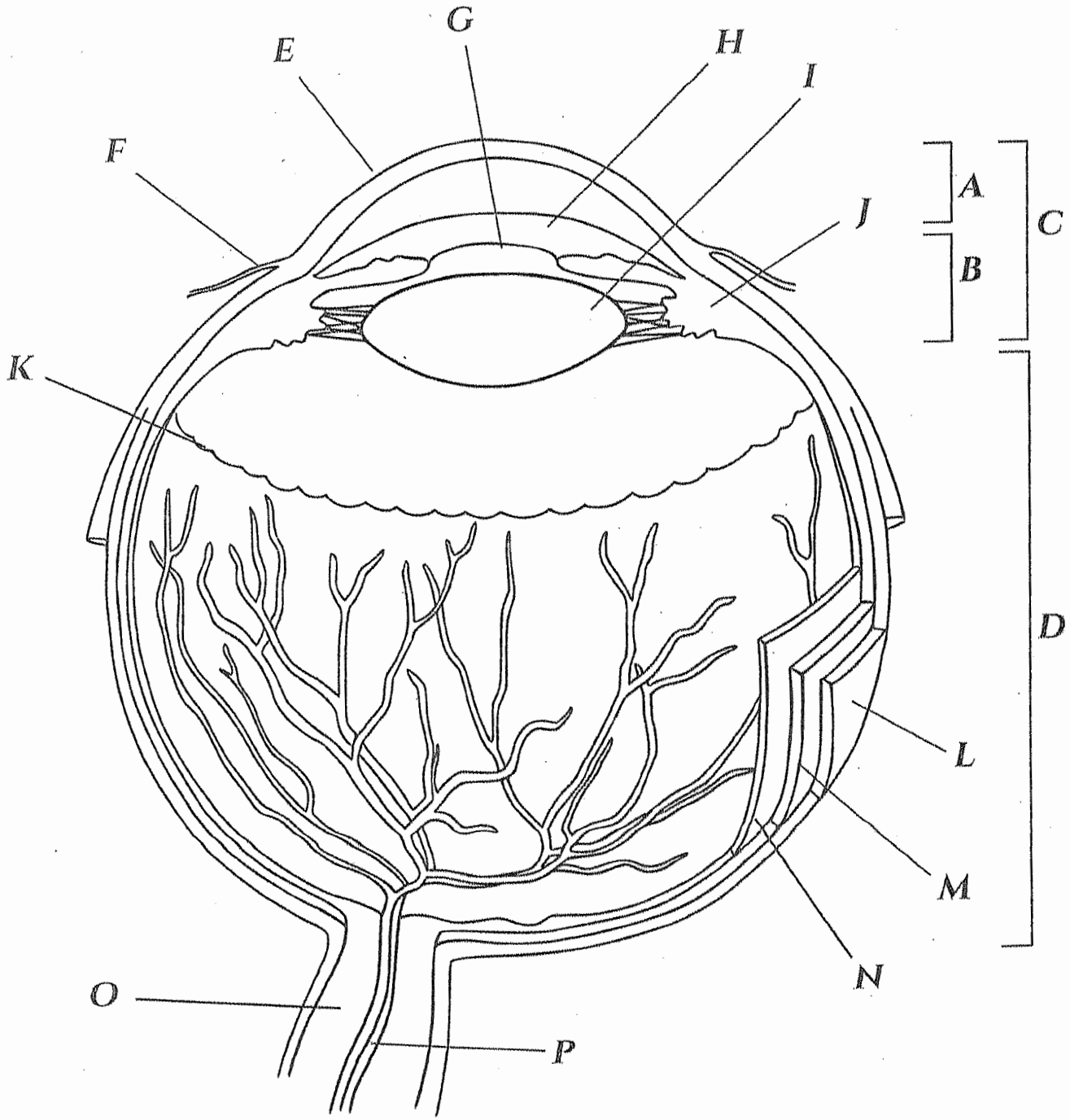
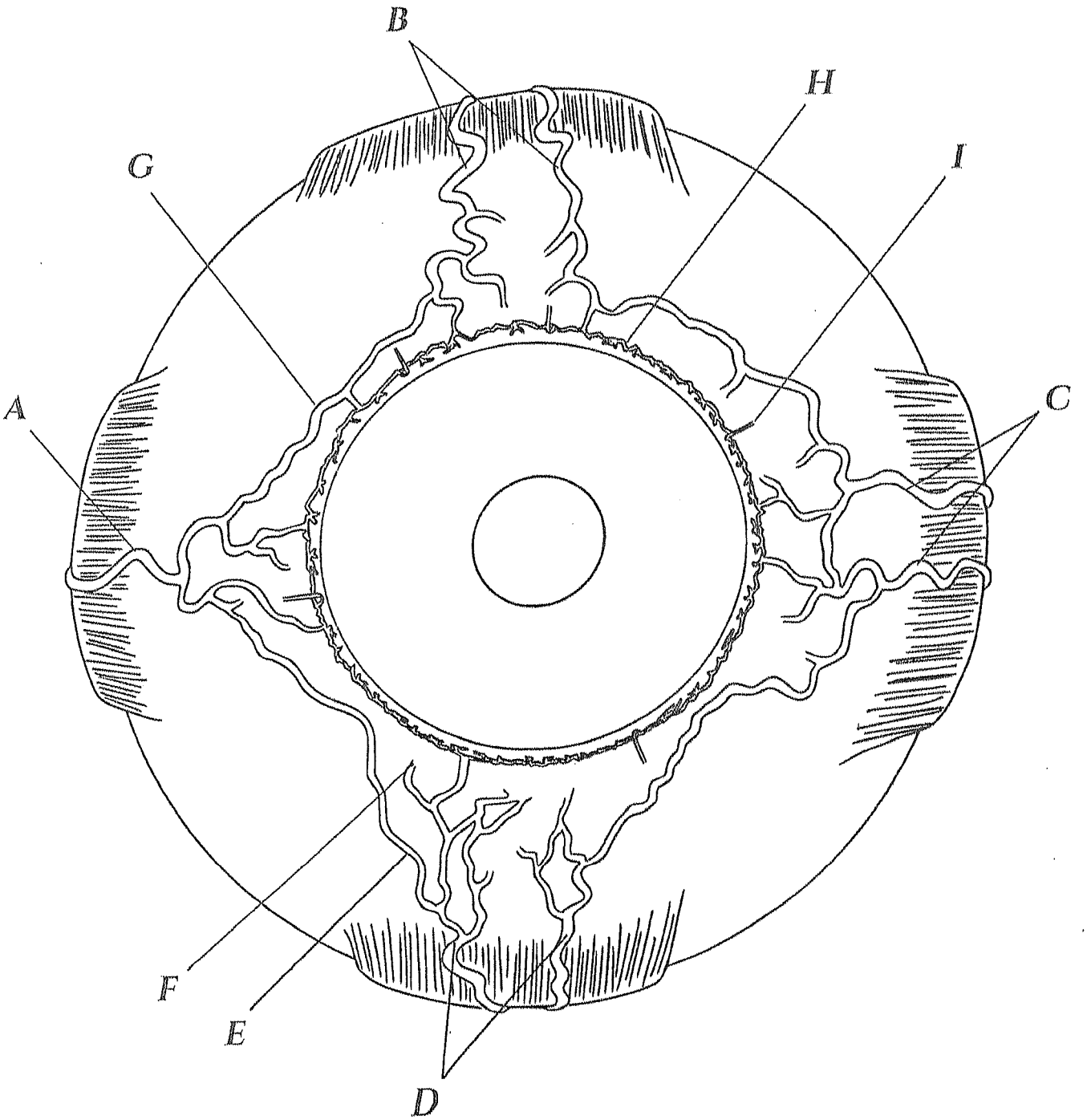
Overview of the Eye



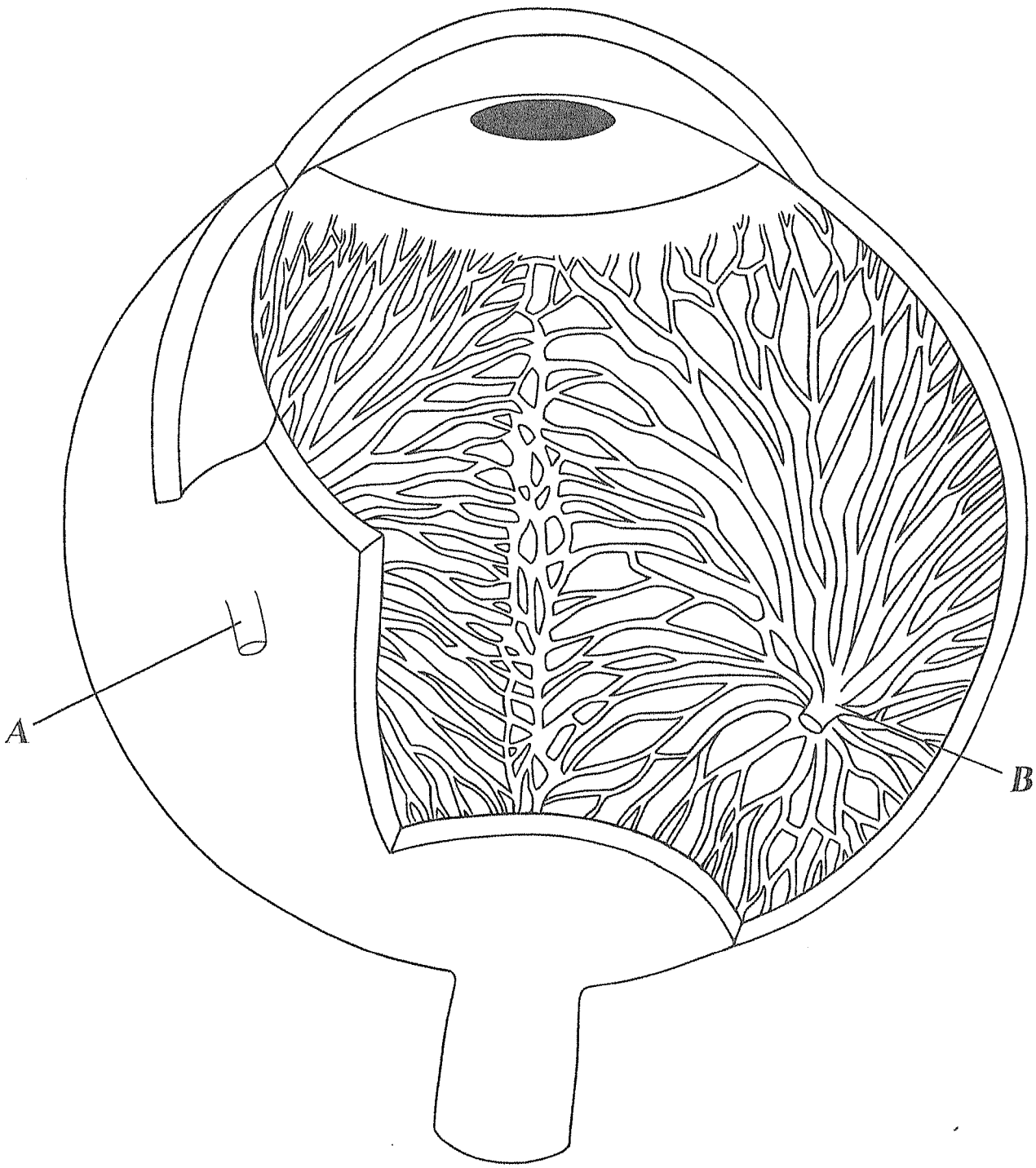
See Appendix for key to figure 1.1

Anterior Ciliary Arteries



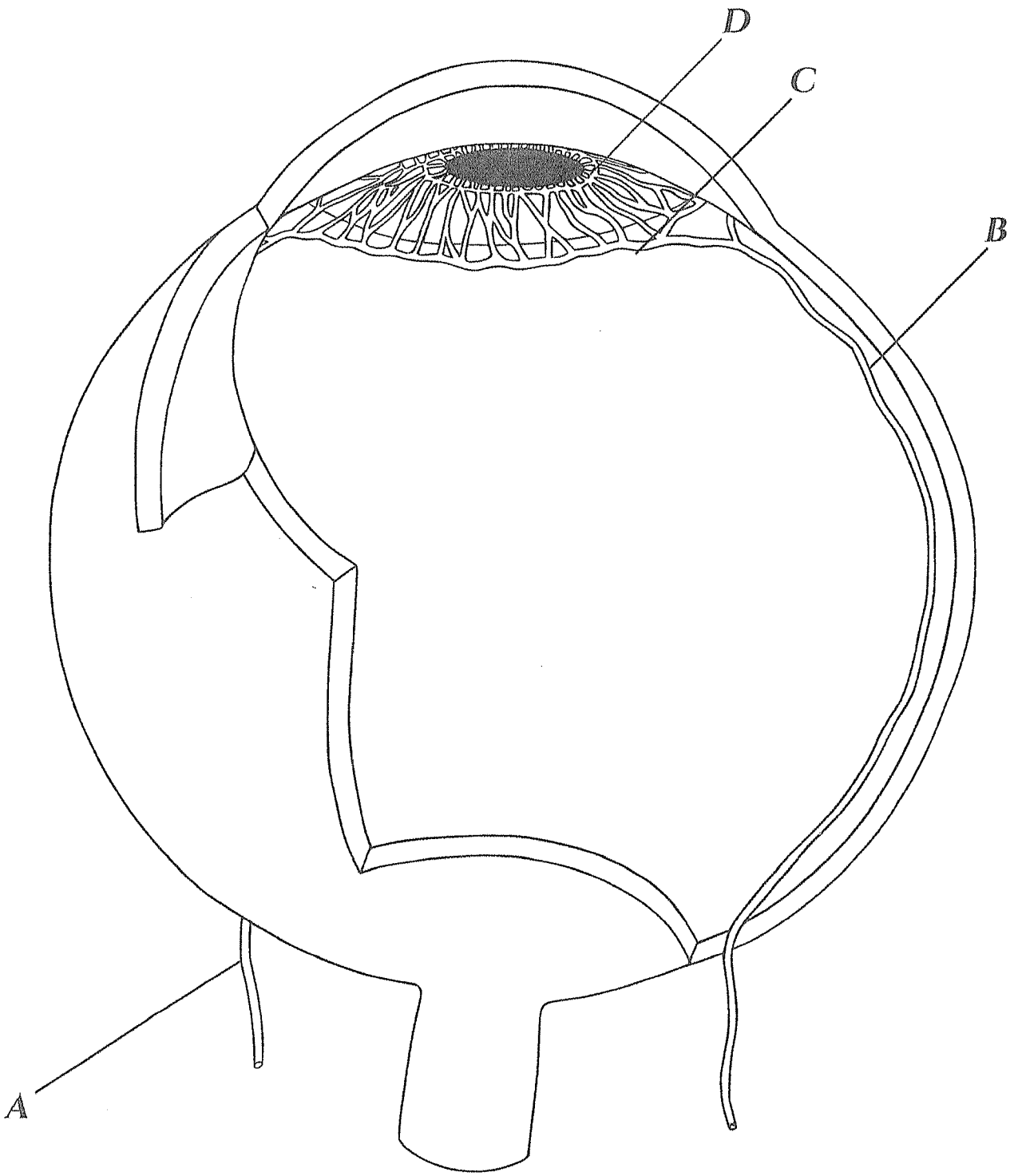
See Appendix for key of figure 1.2

Vortex Veins



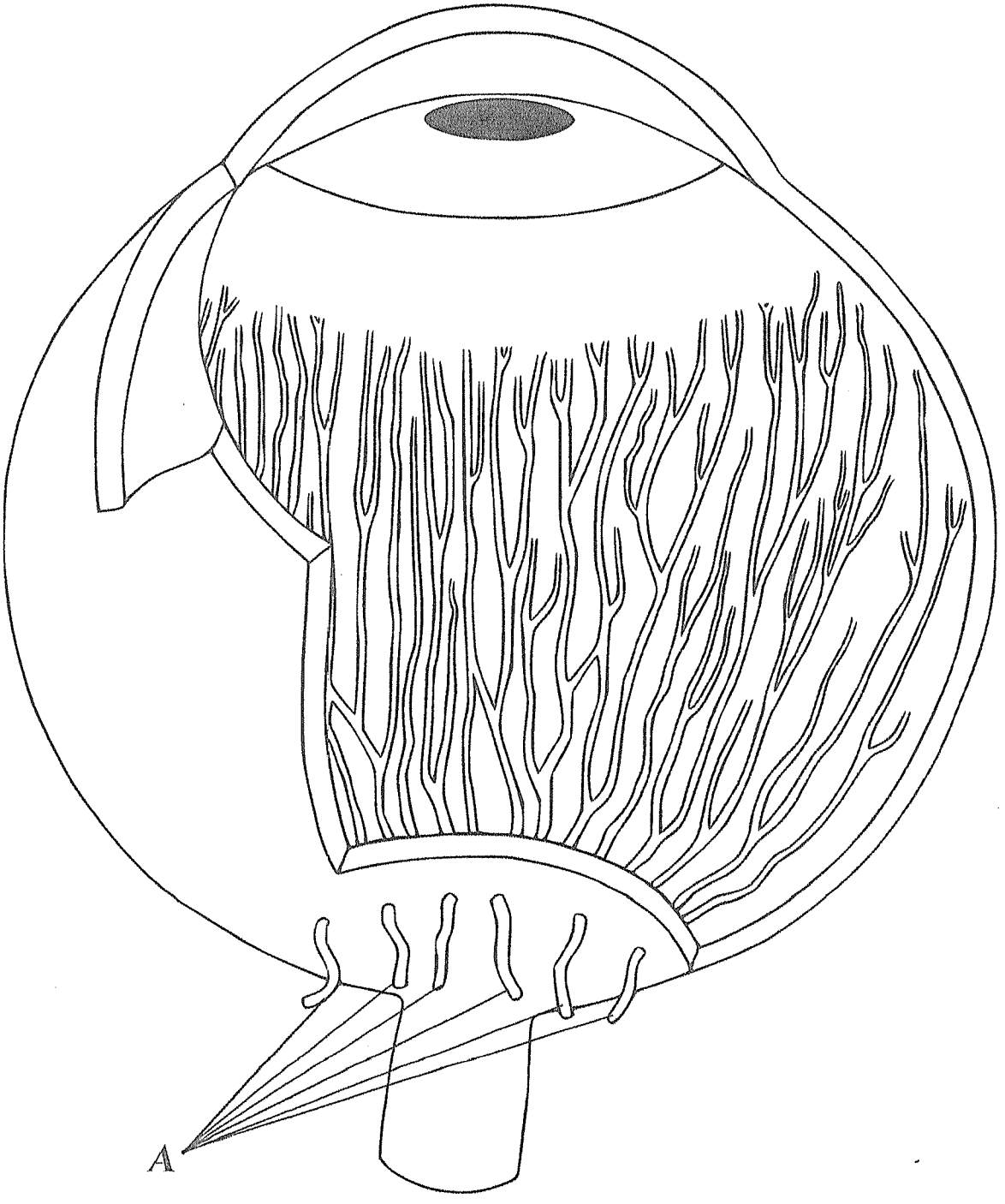
See Appendix for key of figure 1.3

Long Posterior Ciliary Arteries



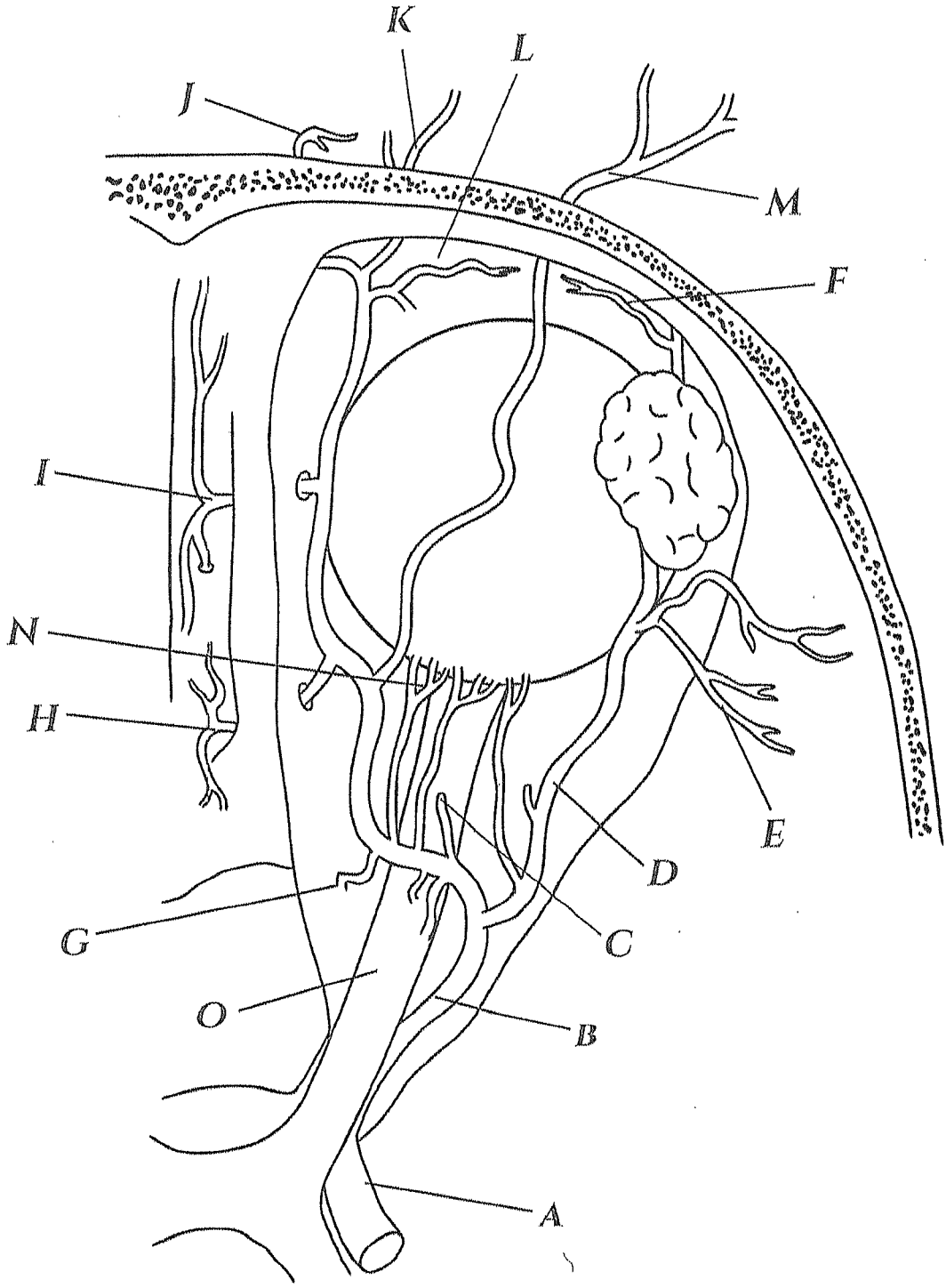
See Appendix for key of figure 1.4

Short Posterior Ciliary Arteries



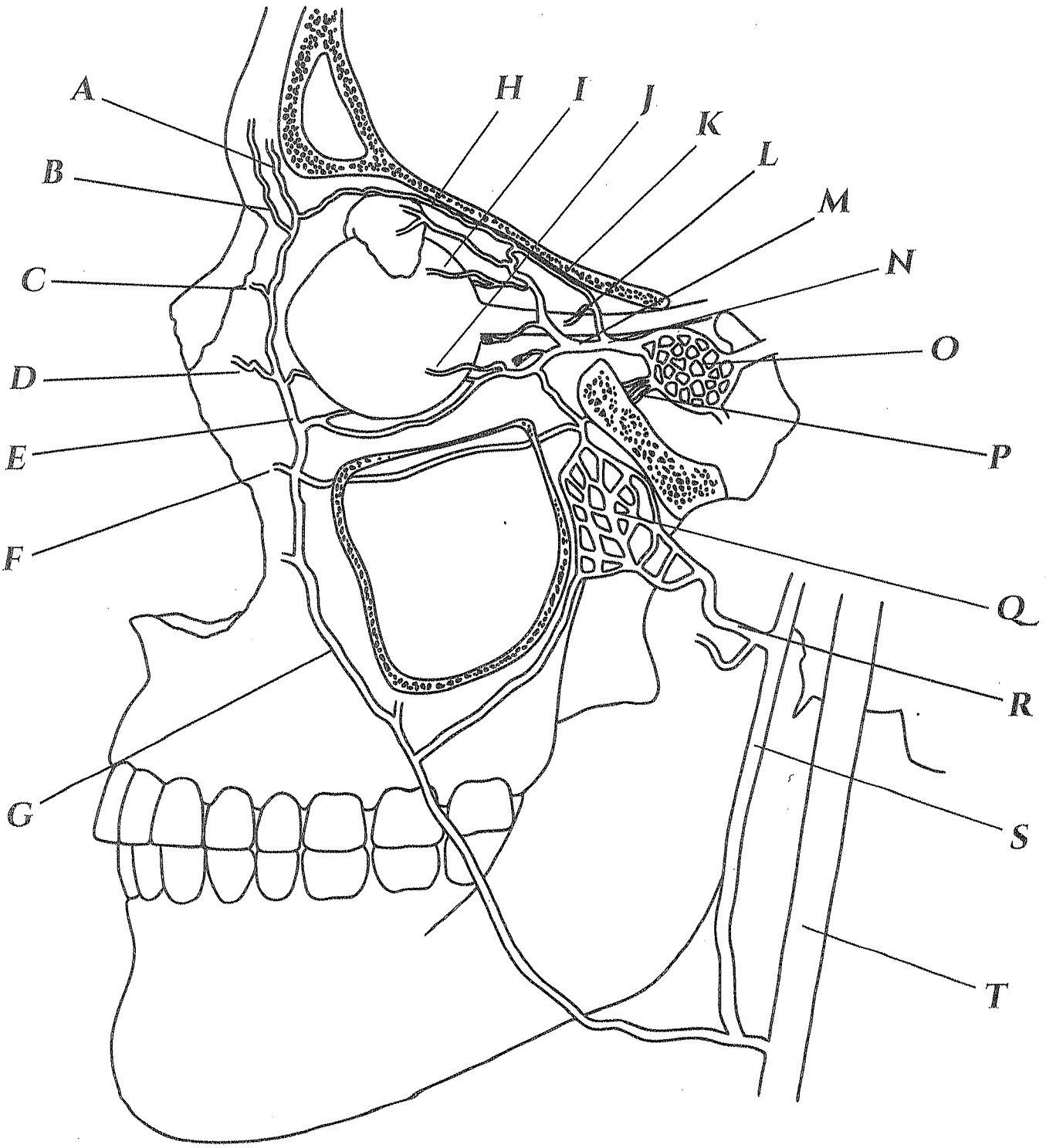
See Appendix for key of figure 1.5

Blood Supply to the Eye and Orbit



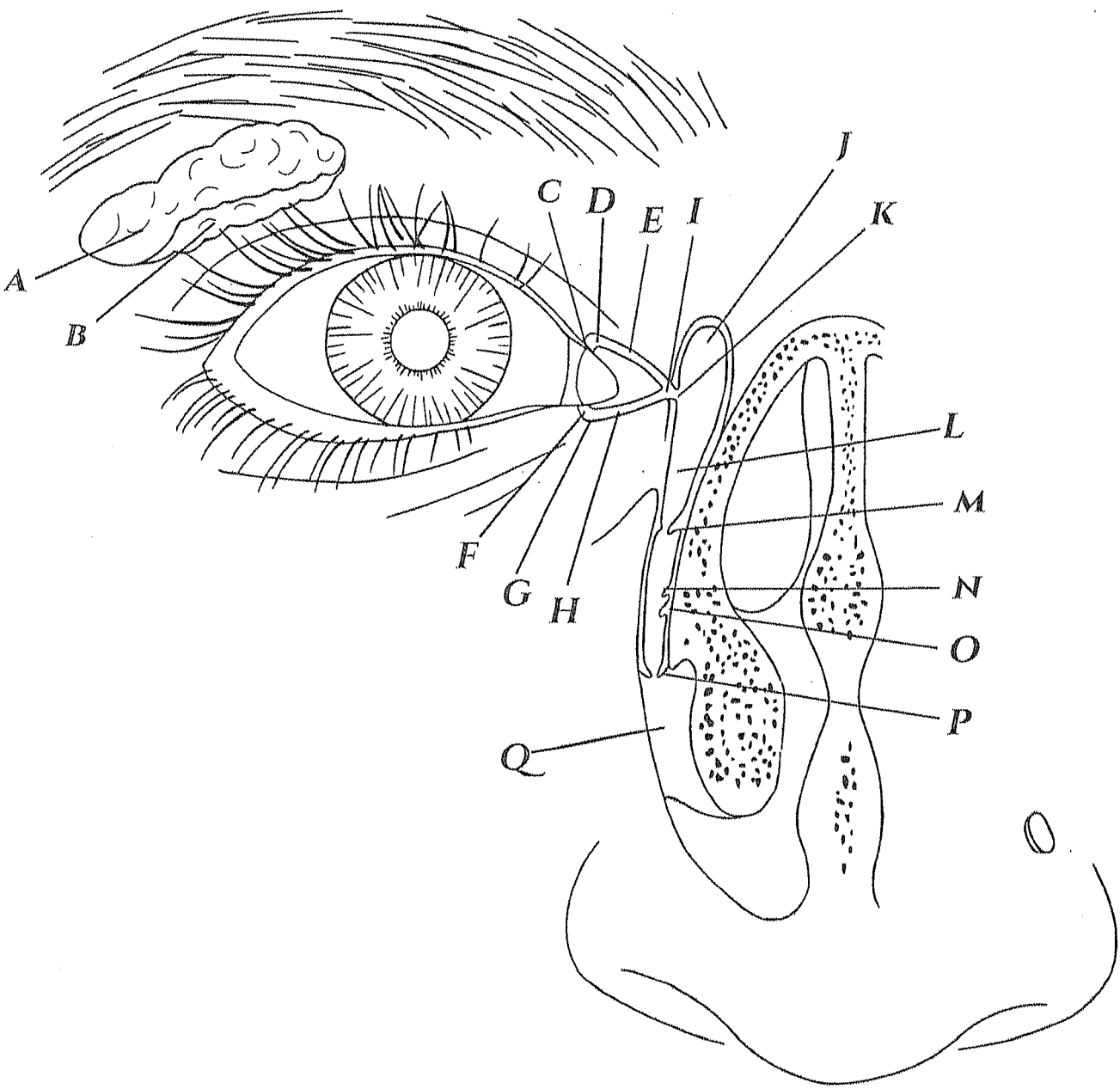
See Appendix for key of figure 1.6

Venous Drainage from the Eye and Orbit



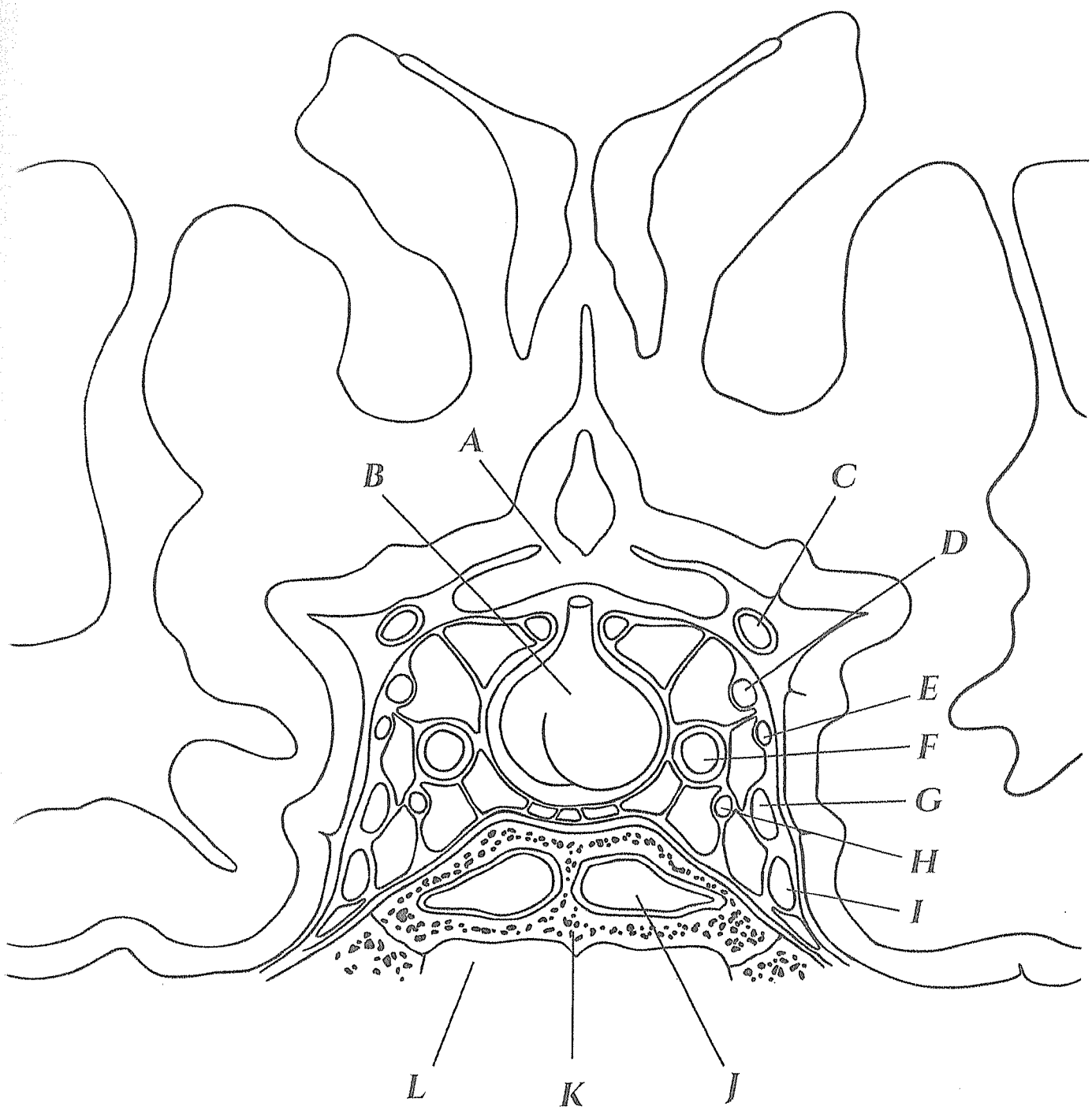
See Appendix for key of figure 1.7

Ocular Surface Drainage



See Appendix for key of figure 1.8

Cavernous Sinus



See Appendix for key of figure 1.9

Transverse cross section of eye

Figure 1.1

KEY

A	anterior chamber
B	posterior chamber
C	anterior segment
D	posterior segment
E	cornea
F	conjunctiva
G	pupil
H	iris
I	crystalline lens
J	ciliary body
K	ora serrata
L	sclera
M	choroid
N	retina
O	optic nerve
P	central retinal vasculature

Anterior view of right eye

Figure1.2

KEY

A	lateral anterior ciliary artery
B	superior anterior ciliary arteries
C	medial anterior ciliary arteries
D	inferior anterior ciliary arteries
E	episcleral arteriole
F	perforating episcleral arteriole
G	episcleral circle
H	marginal/limbal arterial arcades
I	recurrent arteriole

Superior view of right eye, outer tunic partially resected, highlighting the vortex veins, adapted from Cunningham, 1918

Figure 1.3

KEY

A superior nasal vortex vein
B superior temporal vortex vein

Superior view of right eye, outer tunic partially resected, highlighting the long posterior ciliary arteries

Figure 1.4

KEY

A	medial long posterior ciliary artery
B	lateral long posterior ciliary artery
C	major arterial circle
D	minor arterial circle

Superior view of right eye, outer tunic partially resected, highlighting the short posterior ciliary arteries

Figure 1.5

KEY

A short posterior ciliary arteries

Superior view of right orbit, roof of bony orbit removed, adapted from Gray, 1918

Figure 1.6

KEY

A	internal carotid artery
B	ophthalmic artery
C	central retinal artery
D	lacrimal artery
E	zygomatic artery
F	lateral palpebral artery
G	muscular artery (truncated)
H	posterior ethmoidal artery
I	anterior ethmoidal artery
J	dorsal nasal artery
K	supratrochlear artery
L	medial palpebral artery
M	supraorbital artery
N	posterior ciliary arteries
O	optic nerve

Left bony orbit, lateral view with zygomatic bone removed

Figure 1.7

KEY

A	supraorbital vein
B	supratrochlear vein
C	superior palpebral vein
D	inferior palpebral vein
E	angular vein
F	infraorbital vein
G	facial vein
H	lacrimal vein
I	superior temporal vortex vein
J	inferior temporal vortex vein
K	superior ophthalmic vein
L	central retinal vein
M	inferior ophthalmic vein
N	ophthalmic vein
O	cavernous sinus
P	emissary veins
Q	pterygoid plexus
R	maxillary vein
S	retromandibular vein
T	internal jugular vein

Right ocular drainage system

Figure 1.8

KEY

A	lacrimal gland, orbital portion
B	lacrimal gland, palpebral portion
C	superior vertical canaliculus
D	superior ampulla
E	superior horizontal canaliculus
F	inferior vertical canaliculus
G	inferior ampulla
H	inferior horizontal canaliculus
I	common canaliculus
J	lacrimal sac
K	valve of Rosenmuller
L	nasolacrimal duct
M	valve of Krause
N	spiral valve of Hyrtl
O	valve of Taillefer
P	plica lacrimalis (valve of Hasner)
Q	inferior meatus

Coronal section of brain and cavernous sinus

Figure 1.9

KEY

A	optic chiasm
B	pituitary gland
C	extracavernous internal carotid artery
D	CN III, oculomotor nerve
E	CN IV, trochlear nerve
F	intracavernous internal carotid artery
G	CN V1, ophthalmic nerve
H	CN VI, abducens nerve
I	CN V2, maxillary nerve
J	sphenoid sinus
K	sphenoid bone
L	nasopharynx