

PLATE XXI.

- Fig. 1. Eye of *Nymphon strömii*, Kröyer, transverse section ; magnified 272 diameters.
- „ 2. Eye of *Nymphon brachyrhynchus*, Hoek, longitudinal section, taken laterally ; magnified 170 diameters.
- „ 3. Eye of *Nymphon brachyrhynchus*, Hoek, longitudinal section, passing nearly through the middle ; magnified 170 diameters.
- „ 4. Rods and ganglion cells from the eye of *Nymphon brachyrhynchus*, Hoek ; magnified 575 diameters.
- „ 5. Rods (isolated) from the eye of *Nymphon brachyrhynchus*, Hoek ; magnified 575 diameters.
- „ 6. Œsophagus of *Nymphon hamatum*, Hoek, transverse section ; magnified 272 diameters.
- „ 7. Glands at the end of the œsophagus of *Nymphon hamatum*, Hoek ; magnified 94 diameters. *a*, the glands ; *s*, supracœsophageal ganglion ; *f*, first thoracic ganglion.
- „ 8. Glands at the end of the œsophagus of *Nymphon hamatum*, Hoek, transverse section ; magnified 170 diameters. *a*, the glands ; *b*, the wall of the intestine.
- „ 9. Group of fat cells from *Nymphon robustum*, Bell ; magnified 272 diameters.
- „ 10. Male genital organs of *Colossendeis proboscidea*, Sab. (sp.), natural size. *a*, testis ; *b*, intestine.
- „ 11. The opening of the male genital organs in the second joint of the leg of *Colossendeis proboscidea*, Sab. (sp.). *a*, testis ; *b*, intestine ; *c*, vas efferens.
- „ 12. Transverse section of the testis of *Colossendeis proboscidea*, Sab. (sp.) ; magnified 94 diameters.
- „ 13. Histological structure of the wall of the vas efferens of *Colossendeis proboscidea*, Sab. (sp.) ; magnified 575 diameters.
- „ 14. Transverse section of the body of *Colossendeis leptorhynchus*, Hoek, about between the second and third leg ; magnified 20 diameters. *h*, heart ; *i*¹-*i*³, intestine ; *o*, ovary ; *n*, nervous system.
- „ 15. Ovarian egg of *Nymphon brevicaudatum*, Miers ; magnified 94 diameters.
- „ 16. Section of the ovary in the fourth joint of the leg of *Nymphon robustum*, Bell ; magnified 94 diameters. *i*, wall of the intestinal cœcum ; *c*, cavity completely filled with eggs, when the animal is mature.
- „ 17. Egg of *Nymphon longicoxa*, Hoek ; magnified 94 diameters.
- „ 18. Section through the fourth joint of the leg of *Phoxichilidium patagonicum*, Hoek ; magnified 41 diameters.