

EXPLANATION OF PLATE

NOTE.—All figures were drawn to the same scale with the aid of Abbe's camera lucida, as seen under the Leitz 1-12 homogeneous immersion lens, with compensation ocular 12 of Zeiss.

- FIG. 1.—Motor nerve cell of cat. Alcohol, eosin, and toluidin blue.
- FIG. 2.—Spinal ganglion cell of frog. Bichloride-bichromate, eosin, and toluidin blue. (To show the occurrence of granules in the Anura, as distinguished from the Urodela.)
- FIG. 3.—Motor cell of cat. Alcohol, ammonium molybdate in nitric acid 7 hours, phenylhydrazin hydrochloride.
- FIG. 4.—Motor cell of cat. Alcohol, acid alcohol 5 hours, hæmatoxylin.
- FIG. 5.—Motor cell of *Necturus maculosus*, Raf. Bichloride-bichromate, eosin and toluidin blue. (Many cells have far more basophile substance in their nucleus than this one, which was selected to show the cytoplasm. It is the only cell in which anything like a fibrillar structure was observed.)
- FIG. 6.—Motor cell of *Necturus*. Alcohol, ammonium molybdate in nitric acid 7 hours, phenylhydrazin hydrochloride.
- FIG. 7.—Motor cell of *Necturus*. Bichloride, acid alcohol 6 hours, potassium ferrocyanide.
- FIG. 8.—Motor cell of cat. Alcohol, section digested in pepsin and hydrochloric acid 20 hours, ammonium molybdate in nitric acid 12 hours, phenylhydrazin hydrochloride.
- FIG. 9.—Motor cell of *Necturus*. Alcohol, eosin and toluidin blue.
- FIGS. 10 and 11.—Nuclei of motor cells of dog. Bichloride-bichromate, piece $\frac{1}{2}$ mm. thick treated with sodic hydrate 0.2% for 6 hours, section 0.5% gold chloride 20 hours, formic acid very dilute in light, 10 hours.
- FIG. 12.—Germinating cell, 7mm. pig. Bichloride-bichromate, eosin and toluidin blue.
- FIG. 13.—Germinating cell, 11mm. pig. Bichloride-bichromate, acid alcohol 6 hours, potassium ferrocyanide, eosin.
- FIG. 14.—Germinating cell, 11mm. pig. Bichloride-bichromate, acid alcohol 6 hours, hæmatoxylin, eosin.
- FIG. 15.—Neuroblast from 11mm. pig. Bichloride-bichromate, eosin and toluidin blue.
- FIG. 16.—Neuroblast from 14mm. pig. Bichloride-bichromate, eosin and toluidin blue.