

The Microscope. By Simon Henry Gage, Emeritus Professor of Histology and Embryology in Cornell University. 16th Ed. rev. and enlarged, 617 pp., illus., bibliog., Ithaca, N. Y., Comstock Pub. Co., 1936. \$4.00.

Since the 15th edition (1932) of this work was reviewed in the JOURNAL of the New York Entomological Society (40: 389-390), it seems fitting that notice also should be given herein of this newly issued 16th edition. Most gratifying advances are being made every year in microscopical knowledge so it is desirable to add, from time to time, a portion at least of the outstanding improvements in successive editions of this work. In this edition, therefore, have been added the simplified means of reflecting ultra-violet radiation by mirrors coated with aluminum by the vapor method, which promises much for the future of optics and astronomy. There has been included also a chapter on micro-incineration with its possibilities for giving definite information concerning the presence, amount and location of the fixed mineral salts in the tissues and cells of the body.

All the well known features of previous editions which have proved of widest usefulness have been retained and where necessary have been amplified. These include treatment of such topics as lighting, natural and artificial; dark field microscopy and its application; micro and pocket spectroscope; interpretation of appearances; magnification and micrometry; drawing with the microscope and with projection apparatus; photographing and enlargements; cabinets, slip and cover glasses; mounting, labeling and storing microscopical preparations; fixing and preservation of tissues, organs and organisms; infiltrating, imbedding, sectioning, and staining and mounting for the microscope. There are also given a brief history of lenses and microscopes and a comprehensive bibliography of the entire subject.

J. S. W.



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