

scribing their methods and results and give references to the pertinent literature in the field. The vigorous discussions add notably to the subject matter. Altogether, this volume should furnish a welcome guide to the current status of precision electrical measurements.

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**The Horse-Flies (Diptera: Tabanidae) of the Ethiopian Region.** vol. III. *Subfamilies: Chrysopinae, Sepsidinae, and Pangoniinae and a revised classification.* H. Oldroyd. British Museum (Natural History), London, 1957. 489 pp. Illus. + plates. £4 10s.

This is the final and largest volume of this splendid series. The revised classification is based largely on the recent work of Mackerras in Australia, in which the anatomy of the male and female genitalia has been used very effectively. There are valuable chapters on morphology, feeding of adult flies, relationships of species of the genus *Chrysops* to the filarial disease loasis, geographical distribution, and phylogeny. The greatest part of the volume is devoted to the systematic treatment of the 228 species in 12 genera, with keys, descriptions, and excellent figures. A final section presents additions and corrections to the first two volumes.

It is unfortunate that this work, so excellent from a zoological standpoint, should be marred by a frank unwillingness to follow the International Rules of Zoological Nomenclature. It is true that establishing the correct names under the rules is often irksome and time consuming, but failure to do so causes far greater annoyance in the long run. The problems are not insoluble, but they become more difficult when those who should be interested in nomenclatorial stability pin their faith on haphazard usage that will never lead to such stability if it is at variance with the rules. Unwillingness to change well-established names is understandable, but it is difficult to see what is gained by not following simple, unambiguous rules such as the use of parentheses around authors' names when there has been a generic transfer, or making an adjectival specific name conform in gender with the associated generic name.

This volume and the two preceding ones greatly increase our knowledge of the Ethiopian horsefly fauna and provide much valuable information on the zoogeography and phylogeny of the family.

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## New Books

*A History of Luminescence from the Earliest Times until 1900.* Memoir, vol. 44. E. Newton Harvey. American Philosophical Society, Philadelphia, 1957. 705 pp. \$6.

*Annual Review of Plant Physiology.* vol. 8. A. S. Crafts, Leonard Machlis, John G. Torrey. Annual Reviews, Palo Alto, Calif., 1957. 477 pp. \$7.

*Veterinary Guide for Farmers.* G. W. Stamm, Dalls S. Burch, Ed. Windsor, Chicago, Ill., ed. 3, 1957. 384 pp. \$3.95.

*Applied Probability.* vol. VII of *Proceedings of Symposia in Applied Mathematics*, McGraw-Hill (for American Mathematical Society), New York, 1957. 109 pp. \$5.

*The Amateur Astronomer.* Patrick Moore. Norton, New York, 1957. 351 pp. \$4.50.

*Chimica Generale e Inorganica.* Giuseppe Bruni. Libreria Editrice Politecnica Tamburini, Milan, Italy, ed. 10, 1957. 790 pp.

*A Theory of the Consumption Function.* National Bureau of Economic Research, No. 63, General Series. Milton Friedman. Princeton University Press, Princeton, N.J., 1957. 259 pp. \$4.75.

*Technical Descriptive Geometry.* B. Leighton Wellman. McGraw-Hill, New York, 1957. 640 pp. \$5.75.

*Quality Control and Statistical Methods.* Edward M. Schrock. Reinhold, New York; Chapman & Hall, London, ed. 2, 1957. 259 pp. \$6.75.

*The Theory of Lie Derivatives and Its Applications.* Bibliotheca Mathematica, vol. III. Kentaro Yano. North-Holland, Amsterdam; Noordhoff, Groningen; Interscience, New York, 1957. 309 pp. \$8.75.

*High-Speed Small Craft.* Peter Du Cane. Philosophical Library, New York, ed. 2, 1957. 336 pp. \$15.

*William Harvey.* His life and times, his discoveries, his methods. Louis Chauvois. Philosophical Library, New York, 1957. 271 pp. \$7.50.

*Genetics.* Edgar Altenburg. Holt, New York, rev. ed., 1957. 511 pp. \$6.50.

*Plant and Process Dynamic Characteristics.* Proceedings of a conference held at Cambridge 4-6 April 1956 by the Society of Instrument Technology. Academic Press; New York; Butterworths, London, 1957. 258 pp. \$8.80.

*The Person in Psychology. Reality or Abstraction.* Paul LaFitte. Philosophical Library, New York, 1957. 243 pp. \$6.

*A Visit to the Hospital.* Francine Chase. Grosset & Dunlap, New York, 1957. 68 pp.

*Health and Medical Care in New York City.* A report by the Committee for the Special Research Project in the Health Insurance Plan of Greater New York. Harvard University Press (for the Commonwealth Fund), Cambridge, Mass., 1957. 284 pp. \$7.50.

*Glossary of Geology and Related Sciences.* J. V. Howell, Coordinating Chairman. American Geological Institute, 2101 Constitution Ave., NW, Washington, D.C., 1957. 335 pp. \$6.

*Quantum Mechanics.* H. A. Kramers. Translated by D. ter Haar. North-Holland, Amsterdam; Interscience, New York, 1957 (5 chapters of pt. 1 published separately as *The Foundations of Quantum Theory*). 512 pp. \$12.50.

*The Aleut Dentition.* A correlative study of dental characteristics in an Eskimoid people. Coenraad F. A. Moorrees. Harvard University Press, Cambridge, Mass., 1957. 206 pp. \$4.50.

*Vector Spaces and Matrices.* Robert M. Thrall and Leonard Tornheim. Wiley, New York; Chapman & Hall, London, 1957. 330 pp. \$6.75.

*Elementary Theory of Angular Momentum.* M. E. Rose. Wiley, New York; Chapman & Hall, London, 1957. 258 pp. \$10.

*Chemistry of the Covalent Bond.* Lealyn B. Clapp. Freeman, San Francisco, 1957. 698 pp. \$7.50.

*Limited War: the Challenge to American Strategy.* Robert E. Osgood. University of Chicago Press, Chicago, 1957. 326 pp. \$5.

*Modern Applied Photography.* G. A. Jones. Philosophical Library, New York, 1957. 168 pp. \$4.75.

## Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

*Viruses in Search of Disease.* Annals, vol. 67, art. 8. Robert J. Huebner, Ed. 238 pp. \$5. *Unstable Chemical Species: Free Radicals, Ions, and Excited Molecules.* Annals, vol. 67, art. 9. Henry C. Thacher, Jr. Consulting Ed. 224 pp. \$4. *Meprobamate and Other Agents Used in Mental Disturbances.* Annals, vol. 67, art. 10. Frank M. Berger, Consulting Ed. 224 pp. \$4. *Man-Made Fiber Progress.* Annals, vol. 67, art. 11. J. J. Press, Consulting Ed. 86 pp. \$3. New York Academy of Sciences, New York, 1957.

*Financial Accounting for Local and State School Systems.* Standard receipt and expenditure accounts. State Educational Records and Reports Series, Handbook 11. Bull. 1957, No. 4. Compiled by Paul L. Reason and Alpheus L. White. \$1. *Engineering Enrollments and Degrees, 1956.* Circular No. 494. Sidney J. Armory and Henry H. Armsby. 45 pp. \$0.40. *School District Reorganization Policies and Procedures.* Special Series No. 5. C. O. Fitzwater, 321 pp. \$1.75. Office of Education, Washington, 1957 (order from Supt. of Documents, GPO, Washington 25).

*A Directory of Medical and Biological Research Institutes of the USSR.* Preliminary edition. 38 pp. *Medical Research in the Soviet Union.* Recent reports from Western sources. A selected and annotated list of references. Compiled by Elizabeth Koenig. 24 pp. National Institutes of Health, Washington 25, 1957.

*The Industrial Chemistry, Properties, and Application of Silicones.* Edgar Marburg lecture, 1956. Charles E. Reed. American Society for Testing Materials, Philadelphia, 1957. 47 pp.