

through the granting of a seal to the barber-surgeons, and the first text in England was Edwardes' *Introduction to Anatomy*, published in 1532. *The Fabrica of Vesalius* appeared in 1543. In 1616 Harvey gave his first Lumleian lecture on anatomy. This series of lectures was published in 1886 as his *Prelectiones Anatomiae Universalis*, a compilation of Harvey's salvaged notes that appear to have been written, mostly in Latin, over at least the 10-year period from 1616 to 1626.

O'Malley and Russell have provided an illuminating background for Edwardes' work, which comprises only 15 short pages and which is reproduced here in the original Latin. The original volume was not illustrated. The translation shows that the book had no real scientific utility and that it is valuable merely for its priority.

Harvey's lectures are of special interest because they were prepared for physicians, not surgeons, and because they contain his first account of circulation, which the authors date as 1618, not 1616, not quite 10 years before *De Motu Cordis*. The lectures deal with visceral anatomy and the brain, as shown in cadaver demonstrations in the days before embalming. There are numerous clinical and comparative anatomical allusions. Galen is frequently cited by Harvey.

The present books on Galen and Harvey will provide future scholars a basis for enlightening analytical comparisons.

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Miscellaneous Publications

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

Academy of Natural Sciences of Philadelphia. *Monograph*, No. 12: "A monograph of the Orthoptera of North America (north of Mexico)," vol. 1, James A. G. Rehn and Harold J. Grant, Jr. (255 pp., plates, 1961. \$10); *Notulae Naturae*, No. 340: "Nomenclature status of the neotropical subspecies of the colubrid snake," Douglas A. Rossman (2 pp., 1961); No. 341: "*Amphiesmoides*, a new genus for *Tropidonotus ornaticeps*," Werner (Serpentes: Colubridae)" Edmund V. Malnate (7 pp., 1961); No. 342: "*Jonga*, a new genus of freshwater atyid shrimps (Decapoda, Atyidae)," C. W. Hart, Jr. (3 pp., 1961); No. 343: "The feeding of *Strombus* and related herbivorous marine gastropods, with a review and field observations," Robert Robertson (9 pp., 1961); No. 344: "Two new Bahaman soles of the genus

Symphurus (Family Cynoglossidae)," James E. Böhlke (4 pp., 1961); No. 345: "The genus *Opshomala* of Serville, 1831 (Orthoptera; Acrididae; Cyrtacanthacridinae)," James A. G. Rehn and David C. Eades (9 pp., 1961); No. 346: "The Atlantic species of the clinid fish genus *Acanthemblemaria*," James E. Böhlke (7 pp., 1961); No. 347: "The position of the genus *Clematodina* Günther (Orthoptera; Acrididae; Cyrtacanthacridinae)," James A. G. Rehn and David C. Eades (4 pp., 1961); No. 348: "Notes on the caridean shrimp, *Rhynchocinetes rigens* Gordon (Crustaceae, Decapoda), in the western Atlantic," Raymond B. Manning (7 pp., 1961); No. 350: "Some tertiary fossils from the Goajira Peninsula of Colombia," Alex A. Olsson and Horace G. Richards (16 pp., 1961); No. 352: "Supplementary notes on the Rissoellidae (Gastropoda)," Robert Robertson (2 pp., 1962); No. 353: "The effects of temperature and water hardness upon the toxicity of naphthenic acids to the common bluegill sunfish, *Lepomis macrochirus* RAF., and the pond snail, *Physa heterostrophia* Say," John Cairns, Jr. and Arthur Scheirer (12 pp., 1962); No. 354: "Phallic structures, relationships, and components of the Dericorythinae (Orthoptera; Acrididae)," David C. Eades (9 pp., 1962). *Proceedings*, vol. 113: 12 papers. (322 pp., 1961. \$10). The Academy, Philadelphia.

American Museum of Natural History. *Bulletin*, vol. 123, article 6, pp. 303-352: "New and little-known false scorpions, principally from caves, belonging to the families Chthoniidae and Neobisiidae (Arachnida, Chelonethida)," Joseph C. Chamberlin. The Museum, New York, 1962. \$1.

Arctic Aeromedical Laboratory. *Technical Report*, AAL TR 60-27: "Nervous control of shivering. pt. 10. Role of the fields of forel in shivering," Walter J. Freeman, Douglas G. Stuart, Allan Hemingway (12 pp.); AAL TR 60-32: "Cardiovascular effects of refeeding stress following starvation," B. Connor Johnson *et al.* (17 pp.); AAL TR 60-33: "Propionic acid as a precursor in the biosynthesis of animal fatty acids," E. J. Masoro and Edith Porter (14 pp.); AAL TR 60-34: "Small mammal bioclimate studies in northern regions," William O. Pruitt, Jr., Charles V. Lucier, L. L. Huffman (20 pp.); AAL TR 60-36: "A new view of the failure in lipogenesis induced by fasting," E. J. Masoro and Edith Porter (5 pp.); AAL TR 60-37: "Immunologic study on respiratory viruses isolated in Alaska," Theodore G. Metcalf and Jerome P. Schmidt (12 pp.); AAL TR 60-45: "Osmotic regulation in the tissues of hibernating mammals," John Steele Willis (104 pp.); AAL TR 61-2: "The effect of a pyridoxine deficiency on cold-adjusted rats," David A. Vaughan and Lucile N. Vaughan (8 pp.); AAL TR 61-18: "Approaches to the analysis of sociometric data, a survey of the literature," Winton H. Manning and F. W. Wicker (52 pp.); AAL TR 61-19: "Military small group performance under isolation and stress—an annotated bibliography. pt. 1. Basic psychology of group behavior," S. B. Sells (184 pp.); AAL TR 61-22: "Military small group performance under isolation

and stress—an annotated bibliography. pt. 4. Organizational staffing," S. B. Sells (51 pp.); AAL TR 61-28: "Temperature compensation for the mercury strain gauge used in digital plethysmography," Nishio Honda (9 pp.); AAL TR 61-31: "Determining arctic clothing design by means of infrared radiometry," James H. Veghte and George Solli (12 pp.); AAL TR 61-32: "Glucose tolerance and insulin sensitivity of the cold-exposed beagle dog," John L. Durrer and John P. Hannon (6 pp.); AAL TR 61-34: "Effect of varying temperatures on oxygen uptake and generation time of *Klebsiella pneumoniae* and *Staphylococcus aureus*," Stanley Marcus *et al.* (9 pp.); AAL TR 61-37: "Effect of acute and chronic exposure to low temperatures on survival of mice challenged with *Klebsiella pneumoniae*," Stanley Marcus *et al.* (8 pp.); AAL TR 61-38: "The influence of low ambient temperature on cold-acclimatized mice challenged with Ehrlich ascites tumor cells," Stanley Marcus, *et al.* (10 pp.); AAL TR 61-40: "Studies on profound hypothermia. pt. 2. The effects of complete circulatory arrest in the profoundly hypothermic dog," W. C. Sealy (5 pp.). Alaskan Air Command, Fort Wainwright, 1961 (order from U.S. Air Force, APO 731, Seattle, Wash.).

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