

Such is the picture that Javier Romero, director of the Department of Physical Anthropology at the Instituto Nacional de Antropología e Historia in Mexico City, presents in this attractive and well-planned publication. For evidence, he includes a catalog of 618 teeth, of which some have not previously been described. Also, he discusses in detail such things as the classification of mutilation types and patterns; the age and geographical distribution of the specimens; the relationship of the practice to age, sex, and cranial deformity; and the significance of the practice in the social hierarchy. As the title indicates, he has not confused the picture by including discussion of a similar practice introduced in historic times by African slaves.

The summary, which is given also in English, includes the following points: 51 forms of tooth mutilation are now known; predominance of the practice in one sex or the other varies from period to period; all of the specimens were judged to be from individuals 18 years of age or older; no exclusive association between the practice and the social hierarchy has been established; the practice has been traced back to the pre-Classical period of Mexico, or to about 2800 years before the discovery of America.

T. D. STEWART

U.S. National Museum,  
Smithsonian Institution

**Faune de France.** 62. *Coléoptères Curculionides*, vol. 3. Adolphe Hoffmann. Lechevalier, Paris, 1958. 545 pp. Illus. F. 642.

This is the third and final volume by Hoffmann on the Curculionidae of France. It deals with the following subfamilies, as listed in the *Junk Coleopterum Catalogus*: Tychiinae, Cioninae, Nanophyinae, Gymnaetrinae, Rhynchaeninae, Cryptorhynchinae, Trachodinae, Erihrinae, Apioninae, Apoderinae, Atelabinae, and Rhynchitinae.

In this volume, as in the two preceding ones, Hoffmann does not, in many instances, follow the modern plan of arrangement of higher categories of Curculionidae. He lumps the 12 groups listed above into three subfamilies—namely, Calandrinae, Apioninae, and Rhynchitinae. To list all the nomenclatorial changes would be impractical, but a few should be called to the users' attention, such as the use of the generic name *Grypoidius* Stephens for *Grypus* Germar

(footnote, page 1425); the use of the generic name *Eteophilus* Bedel for *Dorytomus* Germar (footnote, page 1437); and the use of the generic name *Cryptorhynchus* Illiger for *Sternochetus* Pierce. The author has either disregarded or does not know the procedures in taxonomy regarding the validity of generic names for he has ignored article 25 of the Rules of Zoological Nomenclature in this otherwise well-presented work.

Keys to the tribes, genera, and species that are treated are given. This, being the final volume, contains a supplement of additions and corrections and an alphabetical index to the three volumes which includes subfamilies, tribes, subtribes, genera, subgenera, species, subspecies, varieties, and synonymies. A 38-page index to the host plants and a list of botanical families appear in this volume.

The author has undoubtedly spent much time and effort on this work, and it will indeed be of help in identifying the weevils of France.

ROSE ELLA WARNER

Entomology Research Division,  
U.S. Department of Agriculture

## New Books

*Aids to Bacteriology for Nurses.* E. Joan Bockock and Katharine F. Armstrong. Baillière, Tindall and Cox, London, 1959 (order from Williams & Wilkins, Baltimore, Md.). 186 pp. \$3.

*Alcoholism. The nutritional approach.* Roger J. Williams. Univ. of Texas Press, Austin, 1959. 130 pp. \$2.50.

*American Petroleum Refining.* H. S. Bell. Van Nostrand, Princeton, N.J., ed. 4, 1959. 547 pp. \$12.50.

*Aromatic Substitution.* Nitration and halogenation. P. B. D. De La Mare and J. H. Ridd. Academic Press, New York, 1959. 259 pp. \$9.

*Asbestos.* Its industrial applications. D. V. Rosato. Reinhold, New York; Chapman & Hall, London, 1959. 220 pp. \$5.75.

*Carcinogenesis by Ultraviolet Light.* Harold F. Blum. Princeton Univ. Press, Princeton, N.J., 1959. 355 pp. \$6.50.

*Cell, Organism and Milieu.* Dorothea Rudnick, Ed. Ronald Press, New York, 1959. 331 pp. \$8. This volume includes the contributions to the 17th symposium of the Society for the study of Development and Growth. The theme for this symposium was centered around the concept of differentiation and growth in response to a changing chemical environment. The contributions include reviews and studies of tissue differentiation as affected by the biochemical environment, muscle cell models, tissue response to hormonal milieu, growth factors operating on plant tissues, and growth and differentiation in whole organisms in relation to chemical alterations in their environment.

*Chemical Engineering Economics.* Chaplin Tyler and C. H. Winter, Jr. McGraw-Hill, New York, ed. 4, 1959. 212 pp. \$7.

*Clinical Evaluation of New Drugs.* S. O. Waife and Alvin P. Shapiro, Eds. Harper, New York, 1959. 233 pp. \$7.50. Contents: pt. 1, "Principles of drug evaluation"; and pt. 2, "Clinical trials in practice." Contributors include W. B. Bean, H. K. Beecher, K. H. Beyer, Jr., Harry F. Dowling, J. L. Gabrilove, D. J. Ingle, N. S. Kline, L. Lasagna, T. E. Machella, P. Meier, E. L. Severinghaus, A. P. Shapiro, S. O. Waife, and S. Wolf.

*Connective Tissue, Thrombosis, and Atherosclerosis.* Proceedings of a conference. Irvine H. Page, Ed. Academic Press, New York, 1959. 326 pp. \$9.50.

*Continuous Analysis of Chemical Process Systems.* Sidney Siggia. Wiley, New York; Chapman & Hall, London, 1959. 394 pp. \$8.50.

*Contributions to the Theory of Games.* vol. 4. A. W. Tucker and R. D. Luce, Eds. Princeton Univ. Press, Princeton, N.J., 1959. 460 pp.

*Educating the Gifted.* A book of readings. Joseph L. French, Ed. Holt, New York, 1959. 570 pp.

*Electrolyte Solutions.* R. A. Robinson and R. H. Stokes. Academic Press, New York; Butterworths, London, 1959. 574 pp. \$11.50.

*Elements of Chordate Anatomy.* Charles K. Weichert. McGraw-Hill, New York, ed. 2, 1959. 511 pp. \$6.75.

*An Experimental Inquiry into the Principles of Nutrition and the Digestive Process.* John R. Young. Univ. of Illinois Press, Urbana, 1959. 75 pp. \$2.50.

*Fluctuation Phenomena in Semi-Conductors.* A. Van Der Ziel. Academic Press, New York; Butterworths, London, 1959. 176 pp. \$6.50.

*Hot Organic Coatings.* Raymond B. Seymour. Reinhold, New York; Chapman & Hall, London, 1959. 243 pp. \$7.50.

*Hypersonic Aerodynamics.* Robert W. Truitt. Ronald Press, New York, 1959. 474 pp. \$10.

*Hyperstatic Structures.* An introduction to the theory of statically indeterminate structures. vol. 1. J. A. L. Matheson. Academic Press, New York; Butterworths, London, 1959. 489 pp. \$15.50.

*Individual Choice and Behavior.* A theoretical analysis. R. Duncan Luce. Wiley, New York; Chapman & Hall, London, 1959. 165 pp. \$5.95.

*Induced Oxidation.* W. P. Jorissen. Elsevier, Amsterdam, Netherlands, 1959 (order from Van Nostrand, Princeton, N.J.). 218 pp. \$8.75.

*Liquids and Liquid Mixtures.* J. S. Rowlinson. Academic Press, New York; Butterworths, London, 1959. 370 pp. \$12.

*Medical Biology and Etruscan Origins.* Ciba Foundation symposium. G. E. W. Wolstenholme and Cecila M. O'Connor. Little, Brown, Boston, 1959. 267 pp. \$9.50.

*Modern Aspects of Electrochemistry.* No. 2. J. O'M. Bockris. Academic Press, New York; Butterworths, London, 1959. 426 pp. \$13.

*Qualitative Analysis and Electrolytic Solutions.* Edward J. King. Harcourt, Brace, New York, 1959. 662 pp. \$6.95.