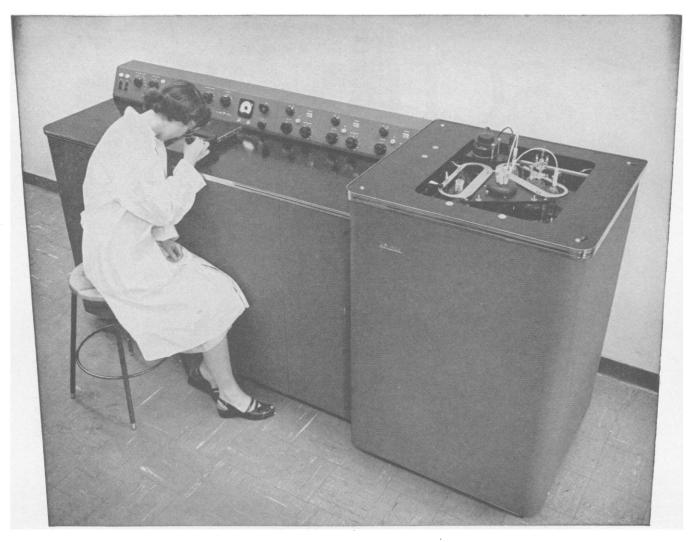
SCIENCE

12 October 1956

Volume 124, Number 3224

Editorial	Cornerstone	657
Articles	The Architect Reviews His Files: W. Faulkner	659
	University of Michigan Radiocarbon Dates I: H. R. Crane	664
News of Science	Project Rockoon; Blood Groups and Disease; USDA Animal Disease Labo- ratory Dedicated; Canadian Industry and the Scientific Manpower Shortage; Geological Survey Water Resources Division; Soviet Satellite Program; News Briefs; Scientists in the News; Recent Deaths; Education; Grants, Fellow- ships, and Awards; In the Laboratories; Miscellaneous	673
Reports	Intermittent Conditioned Reinforcement in Chimpanzees: R. T. Kelleher	67 9
	Generality of Some Academic Reputations: F. R. Fosmire	680
	Blocking Effect of Ethyl Alcohol on Inhibitory Synapses in the Eye of Limulus: E. F. MacNichol, Jr., and R. Benolken	681
	Fat Changes during Weight Loss: S. M. Garn and J. Brožek	682
	Reaction of 8-Quinolinol with Cerium (III): W. W. Wendlandt	682
	X-ray Microscopy of Thin Tissue Sections: V. M. Mosley, D. B. Scott, R. W. G. Wyckoff	683
	Graft-Induced Transmission to Progeny of Cytoplasmic Male Sterility in Petunia: R. Frankel	684
	Bony Dimensions and the Estimation of Men's Reference Weight: J. Brožek	685
Letters	Geophysical Research Shaft: F. B. Estabrook	686
	Teachers, Second Class?: J. P. Heath	
	Science and the Department of State: H. Grundfest	687
	Smugness and "Success": H. O. Albrecht	687
	Second BS Degree for Teachers: R. W. Lewis	687
Book Reviews	Chromosome Botany; Report of the Special Committee on the Federal Loy- alty-Security Program of the Association of the Bar of the City of New York; Medicinal Chemistry; Miscellaneous Publications	688
Meetings and Societies	Religion in the Age of Science; Council in Library Resources, Inc.; Meeting Notes; Forthcoming Events	



Spinco Model H Electrophoresis-Diffusion Instrument

Electrophoresis-Diffusion facilities for high-precision research uses are combined in the Spinco Model H Electrophoresis-Diffusion instrument, illustrated. Having multiple optical systems arranged for rapid and efficient use, an optimum of automatic controls, and a singleunit construction, the instrument features ease and convenience of operation.

With the development of this unit, reliable, reproducible laboratory procedures are routine in the isolation, separation, and identification of materials having electrically active particles. New applications are constantly developing in the fields of complex-colloid analysis, production control of purified proteins, and the discovery of new factors.

For data on this new instrument, or on Spinco ultracentrifuges-the world-wide standard in their field-write:

Spinco division

BECKMAN INSTRUMENTS, INC. Belmont 5. California

New! - Dodson — GENETICS the Modern Science of Heredity

Fundamentals of genetics are explained in a clear, straightforward manner in this book. Although on the undergraduate level, it contains enough theoretical depth to challenge the best students. The background material and detail are sufficient to give every student a working knowledge and appreciation of the subject.

The text contains 22 chapters, starting with the development of genetics and continuing through Mendelism, Architectural Changes in the Chromosomes, Mutation, The Theory of the Gene, to Human Genetics.

More than enough material for a one semester course is included. This will enable the teacher to adapt the book to a particular class. Other valuable features include: penetrating questions; interesting problems and selected references at the end of each chapter; A brief laboratory manual at the end of the book; many colorful diagrams and pictures.

By EDWARD O. DODSON, Associate Professor of Biology, University of Notre Dame. 329 pages, $6\frac{1}{2}$ " x 10", with 159 illustrations. \$6.50. New !



Villee — BIOLOGY

Second Edition—This is a general biology text fashioned to stimulate student interest. It is considered by many to be one of today's most teachable elementary books. Well-balanced and well-organized, the text is devoid both of superficiality and overdetail.

Beginning with a discussion of the scientific methods of investigation, the author presents the total picture from cellular function, through body systems and concluding with evolution and ecology. The sections on enzymes are especially good, and the discussions of cellular respiration and photo-synthesis are excellent brief presentations of the more modern views on these subjects. The human body is used as the principal example in the discussions of each organ system. Evolutionary and comparative aspects are woven skillfully into the description. This attention to evolution and comparison is in keeping with the author's premise that beginning students are most interested in explanations of how organisms function, and how they came to be what they are today.

The author clarifies the material by dealing with whole concepts rather than whole organisms. 293 well chosen illustrations enhance the text.

By CLAUDE A. VILLEE, Harvard University. 670 pages, 6" x 9", with 293 illustrations. \$6.50.

Turner — GENERAL ENDOCRINOLOGY

Second Edition—Dr. Turner's clearly written and beautifully illustrated text is especially designed for advanced college courses in the biological sciences and for graduate courses. This *Second Edition* maintains the general viewpoint introduced so successfully in the First Edition: That the subject is a basic biologic science which can be pursued profitably by general college students interested in biology and related fields.

Every aspect of endocrinology is thoroughly explored and clearly explained. First the historical background is covered. Then Dr. Turner describes the experimental and clinical methods used in gaining knowledge; the interrelations of glandular function; and the evolution and embryology of all types of regulation in both plants and animals—auxins, organizers, neural regulators and endocrines. The chapters on the individual glands are literally packed with details of gross, microscopic, developmental and comparative anatomy; biochemistry; physiology; dysfunction; clinical manifestations; treatments; results of animal experimentation, etc. Features of this *Second Edition* include a new chapter on Adaptive Reactions to Stress and expanded discussions of neurosecretions and biochemistry.

By C. DONNELL TURNER, Ph.D., Lecturer in Biology, Tokyo Army Education Center, Tokyo, Japan. 553 pages, 6" x 9", with more than 300 illustrations on 171 figures. \$8.00. Second Edition.

West Washington Square COMPANY West Washington Square

SCIENCE is published weekly by the AAAS, 1515 Massachusetts Ave., NW, Washington 5, D.C. Entered at the Lancaster, Pa., Post Office as second class matter under the act of 3 March 1879. Annual subscriptions: \$7.50; foreign postage, \$1; Canadian postage, 50¢.

BASIC TEACHING TOOLS FOR QUICK, LASTING IMPRESSIONS

1. NEW Bausch & Lomb TRI-SIMPLEX Micro-projector

Indispensable for group orientation. Projects vivid images of fixed specimens or living organisms ... on screen or tracing pad. Catalog E-248.

2. Bausch & Lomb "FL" Microscope

Saves time: pre-focusing gage sets the focus; bright, sharp images are easy to see and understand. Color-corrected 10X and 43X objectives. Standard size and operation. Catalog D-185.

3. Bausch & Lomb Wide Field Macroscopes

Versatile general science teaching aid, ideal for gross specimen studies and dissection, convenient for field trips. Erect-image or inverted-image models; 10X, 20X, or 30X; with stand or folding tripod. Catalog D-1052.

4. Bausch & Lomb BALOPTICON[®] Projectors

"Individualizes" instruction with brilliant, detailed images, clearly visible in large classrooms. Projects slides, pictures, opaque objects, even chemical reactions! Catalog E-11.



WRITE FOR DATA AND DEMONSTRATION

Write to Bausch & Lomb Optical Co., 64210 St. Paul St., Rochester 2, N.Y. (Please indicate catalog numbers.)

America's only complete optical source . . . from glass to finished product.



Our sweet laborers have finished the task of preparing the address labels. By now "Eastman Organic Chemicals, List No. 40" should have reached all who have in years past indicated a desire to keep receiving each new edition of the catalog of the 3500-odd reagents and other organic compounds quickly available in laboratory quantities from a single source of known integrity. Others who want the new catalog should address *Distillation Products Industries*, Eastman Organic Chemicals Department, Rochester 3, N. Y. (Division of Eastman Kodak Company).