

## BOOKS RECEIVED

(Continued from page 1394)

### The Computer Simulation of Behaviour.

Michael J. Apter. Hutchinson University Library, London; Hillary, New York, 1970. 180 pp., illus. \$5.25. Psychology.

### The Conservation of Orbital Symmetry.

R. B. Woodward and R. Hoffmann. Verlag Chemie, Weinheim; Academic Press, New York, 1970. vi, 178 pp., illus. Cloth, \$5; paper, \$3.50.

### Continuum Mechanics. An Introductory

Text for Engineers. Philip G. Hodge, Jr. McGraw-Hill, New York, 1970. xvi, 252 pp., illus. \$12.50. Advanced Engineering Series.

### Cost and Optimization Engineering.

F. C. Jelen. McGraw-Hill, New York, 1970. xxii, 490 pp., illus. \$13.50.

**The Decision to Go to the Moon.** Project Apollo and the National Interest. John M. Logsdon. M.I.T. Press, Cambridge, Mass., 1970. xviii, 188 pp. \$10.

### Design Analysis of Shafts and Beams.

R. Bruce Hopkins. McGraw-Hill, New York, 1970. xvi, 488 pp., illus. \$18.50.

### Design for Strength and Production.

C. Ruiz and F. Koenigsberger. Gordon and Breach, New York, 1970. x, 270 pp., illus. + plates. \$14.50; to libraries, \$27.50.

### Dictionary of Organic Compounds.

The Constitution and Physical, Chemical and Other Properties of the Principal Carbon Compounds and Their Derivatives, Together with Relevant Literature References. Sixth Supplement. Oxford University Press, New York, 1970. viii, 280 pp. \$29.

### Educational Research Methods.

J. D. Nisbet and N. J. Entwistle. Elsevier, New York, 1970. 192 pp. \$7.25.

### Engineering Fundamentals. In Measure-

ments, Probability, Statistics, and Dimensions. Keith C. Crandall and Robert W. Seabloom. McGraw-Hill, New York, 1970. xii, 254 pp., illus. Paper, \$5.95. General Engineering Series.

### Foundations of Modern Auditory The-

ory. Vol. 1. Jerry V. Tobias, Ed. Academic Press, New York, 1970. xviii, 466 pp., illus. \$22.50.

### Fundamentals of EDP and FORTRAN.

A Self-Instructional Manual. Leonard J. Kazmier and Andreas S. Philippakis. McGraw-Hill, New York, 1970. xii, 180 pp., illus. Paper, \$4.95.

### Genetic Theory and Abnormal Behav-

ior. David Rosenthal. McGraw-Hill, New York, 1970. xviii, 318 pp., illus. \$9.95. Series in Psychology.

### Groundwater Resource Evaluation.

William C. Walton. McGraw-Hill, New York, 1970. viii, 664 pp., illus. \$17.50. Water Resources and Environmental Engineering.

### Introduction to Advanced Inorganic

Chemistry. Philip John Durrant and Beryl Durrant. Wiley, New York, ed. 2, 1970. xvi, 1250 pp., illus. \$22.

### An Introduction to Photobiology.

The Influence of Light on Life. Yves Le Grand. Translated from the French edition (Paris, 1967) by Michael Peckham and Lesley Williamson. Elsevier, New York, 1970. viii, 178 pp., illus. \$6.95.

### Introduction to Signal Transmission.

William R. Bennett. McGraw-Hill, New York, 1970. xviii, 266 pp., illus. \$12.50.

Electrical and Electronic Engineering Series.

**Iterative Solution of Nonlinear Equations in Several Variables.** J. M. Ortega and W. C. Rheinboldt. Academic Press, New York, 1970. xx, 572 pp., illus. \$24. Computer Science and Applied Mathematics.

**Materials for Structural and Mechanical Functions.** Gabor Koves. Hayden, New York, 1970. x, 358 pp., illus. \$13.95. Hayden Series in Materials for Electrical and Electronic Design.

**Physical Acoustics.** Principles and Methods. Vol. 7. Warren P. Mason and R. N. Thurston, Eds. Academic Press, New York, 1970. xx, 380 pp., illus. \$19.50.

**Physical Therapy Procedures.** Selected Techniques. Ann H. Downer. Thomas, Springfield, Ill., 1970. viii, 174 pp., illus. \$7.95.

**Psychochemical Measurements in Metals Research.** Part 1. R. A. Rapp, Ed. Interscience (Wiley), New York, 1970. xiv, 562 pp., illus. \$29.95. Techniques of Metals Research, vol. 4, part 1.

**Politics, Position, and Power.** The Dynamics of Federal Organization. Oxford University Press, New York, 1970. xii, 312 pp. Cloth, \$7.50; paper, \$4.95.

**Principles of Polymer Systems.** Ferdinand Rodriguez. McGraw-Hill, New York, 1970. xiv, 560 pp., illus. \$18.50.

**Proceedings of the North American Paleontological Convention, Chicago, September 1969.** Allen, Lawrence, Kansas, 1970. Part A, Teaching Paleontology, 54 pp., illus., paper, \$2; Part B, Computers in Paleontology, pp. 55-154, illus., paper, \$3.50; Part C, The Genus: A Basic Concept in Paleontology, pp. 155-320, illus., paper, \$5; Part D, Paleoclimatology, pp. 321-408, illus., paper, \$3.

**Psychiatry as a Behavioral Science.** David A. Hamburg. Prentice-Hall, Englewood Cliffs, N.J., 1970. xiv, 114 pp. Cloth, \$5.95; paper, \$1.95. Behavioral and Social Sciences Survey.

**Psychoanalysis and Psychopathology.** Philip S. Holzman. McGraw-Hill, New York, 1970. xiv, 204 pp., illus. Paper, \$3.50. Paperback Series in Psychopathology.

**The Scale of Nature.** John Tyler Bonner. Illustrated by Patricia Collins. Pegasus, New York, 1970. 173 pp. Paper, \$2.25. Reprint of the 1969 edition.

**Social Implications of Biological Education.** Arnold B. Grobman, Ed. National Association of Biology Teachers, Washington, D.C., 1970. viii, 134 pp. Paper, \$1.95.

**Social Stress.** Sol Levine and Norman A. Scotch. Aldine, Chicago, 1970. xiv, 296 pp. \$9.75.

**A Strategy for Education.** Herman T. Epstein. Oxford University Press, New York, 1970. x, 122 pp., illus. \$4.95.

**Technology in the the Ancient World.** Henry Hodges. With drawings by Judith Newcomer. Knopf, New York, 1970. xviii, 302 pp., illus. \$10.

**To the Arctic!** The Story of Northern Exploration from Earliest Times to the Present. Jeannette Mirsky. University of Chicago Press, Chicago, 1970. xxvi, 356 pp., illus. + plates. Cloth, \$10; paper, \$3.45. Reprint of the 1934 edition.

# Personnel Placement

## RATE CHANGE Effective 1 January 1971

**POSITION WANTED:** 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

**POSITIONS OPEN:** \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

**COPY** for ads must reach SCIENCE 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)  
SCIENCE  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

## POSITIONS WANTED

**Biologist,** recent B.A. biology. Two years of research. Some instrumentation and very adaptable. Box 470, SCIENCE. X

**Botanist,** Ph.D., morphology, ultrastructure, histochemistry. Mature scientist desires change position; 20-year teaching record including research; administrative experience, curriculum planning. Seeking small university; teaching preferred. Box 471, SCIENCE. X

**Cell Biologist-Physiologist.** Ph.D. 1968. Postdoctoral. Seeks primarily teaching position. Broad background and interests; publications; some teaching experience. Available August 1971. Box 472, SCIENCE. 1/8

**Ecologist,** Ph.D. 1968. Diversified research experience, publications, and so forth. Research or teaching position desired. Will consider foreign employment. Available September 1971. Box 443, SCIENCE. 12/25

**Ecologist,** Ph.D. (1969), 2 years of experience teaching at undergraduate/graduate level. Strong interest in developing and/or participating in interdisciplinary program of environmental science. Desire teaching/research position. Box 473, SCIENCE. X

**Electron Microscopist,** Ph.D. (1970), publications, desires research position in industry or hospital. Box 474, SCIENCE. X

**Geneticist-Cell Biologist,** Ph.D., postdoctoral research fellow, publications. Teaching and research experience in cell biology, genetics, and human cytogenetics. Seeks teaching/research position. Available Fall 1971. Box 465, SCIENCE. 12/25, 1/8

**Microbiologist.** Ph.D. 1968. Seven years of research experience in microbial genetics and physiology. Publications. Seeks challenging academic or industrial position where research capabilities and experience will be utilized. Box 475, SCIENCE. X

**Outstanding Oceanographer-Geophysicist** desires teaching and/or research position. Teaching experience in geology, oceanography, and pollution abatement. Interdisciplinary research in university, government, and industry. Thermal pollution and environmental systems analysis a specialty. Publications! Eastern United States preferred. Salary requirement over 15K. Will consider visiting professorship for Spring term. Box 476, SCIENCE, or phone 617-237-2486. 1/8

## POSITIONS WANTED

**Organic Chemist, Ph.D., 40.** Drug Metabolism. Strong background in biochemistry, protein and peptide chemistry, medicinal chemistry. Automatic techniques, chromatography, electrophoresis, spectra. Seeks position, academic, hospital or industry. Box 477, SCIENCE. X

**Ph.D.—Physiology, Cell Biology, Histochemistry, Zoology;** 8 years' experience, teaching, research, several publications, background, lipid, carbohydrate metabolism, enzymology. Desires teaching/research position, university/college/institute/industry. United States/Canada. Available March 1971. Box 478, SCIENCE. X

**Pharmacologist (33) B. Pharm. Ph.D.** Experience in university teaching and industry. Publications, research includes respiratory, immediate hypersensitivity, and cardiovascular pharmacology. Desires teaching, research, or industrial position. Box 466, SCIENCE. X

**Physiologist, Ph.D., 1970,** training in cardiovascular-respiratory and muscle physiology. Postdoctoral research in cellular physiology. Experience in teaching. Seeks teaching and/or research position in United States or Canada. Box 467, SCIENCE. X

**Plant Physiologist—Plant Pathologist, Ph.D., 3 years'** postdoctoral experience. Publications. Research experience in cell wall degrading enzymes, tissue culture, growth hormones, isozymes, bacterial diseases. Seeks teaching position from January 1971 in plant physiology, mycology, or plant pathology, at graduate or undergraduate level. Box 468, SCIENCE. X

**Psychologist: Ph.D. May 1971 Human Factors.** B.S. in management. Twelve years' experience in engineering: systems, electro-optics, and vision research. Publications. Seeks executive level position. Box 479, SCIENCE. X

**Psychologist:** Interested teaching/research position, U.S., Canada, learning, statistics, experimental. Publications. Available immediately—September. Box 480, SCIENCE. X

**Scientific Photographer.** Eight years' experience and technical training in color and black and white, photomacrography, photomicrography, and general photography in medical centers. Management experience. References. Portfolio. Box 481, SCIENCE. X

**Zoologist: Ph.D.** Interests in the biology and physiological ecology of vertebrates. Publications. Postdoctoral work. Teaching/research work desired. Presently, assistant professor. Box 482, SCIENCE. X

## POSITIONS OPEN

### Ph.D. BIOLOGY

Undergraduate and graduate teaching in General Biology, Ecology, Botany-Plant Physiology. Opportunities for research. Submit curriculum vitae to:

**Dr. Frank F. Katz, Chairman**  
Faculty Search Committee  
Department of Biology  
Seton Hall University  
South Orange, New Jersey 07070

### BIOMEDICAL EDITOR

Ph.D./M.S. in life science, with experience in writing and editing to supervise abstracting, indexing, and literature evaluation personnel for a computerized biomedical information system. Research experience in physiology, biochemistry, or medicine is desirable. A knowledge of one or more foreign language is essential. Administrative experience and communication skills are required. New York City location. Please send complete curriculum, professional references and salary requirements to **Box 483, SCIENCE.**

### ENDOCRINOLOGIST JUNIOR SCIENTIST—B.S. LEVEL

Excellent positions available. Private organization engaged in steroid and peptide analysis seeks individuals with Bachelor of Science in endocrinology or biochemistry and extensive experience in radioimmunoassays for both steroids and peptides at the bench level. Only qualified applicants need apply giving details of background, experience, and references in their first communication. Address to **Director of Personnel, P.O. Box 92002, Los Angeles, California 90009.**

## POSITIONS OPEN

### Chairman, Department of Geology The University of New Brunswick Fredericton, N.B., Canada

Applications are invited for the position of Chairman of the department which will be a renewable term appointment. The department has 17 faculty and a new research building. Candidates should have demonstrated research competence in a field of geology and should have an interest in undergraduate and graduate teaching with appropriate administrative experience. *Deadline for receipt of applications is 28 February 1971.* The University reserves the right to make an appointment at any time. The appointment will become effective not later than 1 July 1971. Salary negotiable.

Send applications, curriculum vitae and the names of three referees to:

**Dr. Mervyn Franklin**  
Office of the Dean  
Faculty of Science  
The University of New Brunswick  
Fredericton, N.B., Canada

## COMPARATIVE PATHOLOGIST

Leading suburban-located medical/pharmaceutical research firm offers a senior position in the preclinical drug safety (toxicity) studies area. This doctorate level position requires two or more years of postdoctoral experience performing lab animal anatomical pathology. Please reply in confidence to:

**R. G. McConnell, Ph.D.**  
Director, Pathology-Toxicology Dept.  
Division of Biological Research

**G. D. SEARLE & Co.**

P. O. Box 5110, Chicago, Ill. 60680  
An equal opportunity employer

Pennsylvania—**HISTOLOGY SUPERVISOR,** minimal requirements B.S. and/or M.T. (ASCP). Extensive experience in special staining, histochemistry, whole mount sectioning, and supervisory ability. Salary commensurate with academic background and experience. University affiliated hospital. Excellent fringe benefits. Contact **Assistant Personnel Director, Magee-Women's Hospital, Forbes Avenue and Halket Street, Pittsburgh, Pennsylvania 15213.**

**ORGANIC GEOCHEMIST** to conduct research in field of marine chemistry and its application to study effects of pollution on marine environment. Immediate concern is in detection, classification, and determination of characteristics of oil in typical marine environments including products of biodegrading processes. This research will also seek to explain how various types of pollutants are chemically and biologically degraded together with considerations concerning their routes, rates and reservoirs in typical marine environments. GS-13/12 position. Send completed SF-171 to **Headquarters Civilian Personnel Branch (CAS-5), U.S. Coast Guard, 400 Seventh Street, SW, Washington, D.C. 20591.**

### Ph.D. PHYSIOLOGIST

Intensive Care Unit—New York City area—Monitoring equipment requires physiologist with experience in instrumentation and knowledge of cardiovascular and/or pulmonary function. Submit résumé. Salary open. All replies held in strict confidence.

**Box 453, SCIENCE**

### Ph.D. VIROLOGIST ICN NUCLEIC ACID RESEARCH INSTITUTE

To conduct viral chemotherapy studies in an expanding research program. Related experience preferred. Send résumé and salary history to **Mrs. Rae Taylor, ICN Nucleic Acid Research Institute, 2727 Campus Drive, Irvine, California 92664.**

An Equal Opportunity Employer

## POSITIONS OPEN

An der **Universität Bremen**  
sind im Jahre 1971 mehrere  
Stellen für

### Hochschullehrer im Fach "Mathematik"

zu besetzen. Nach dem Lehrkörpermodell des Gründungssenats der Universität Bremen sind sowohl Stellen für Hochschullehrer auf Dauer (H 3 / H 4) als auch für Hochschullehrer auf Zeit ("Assistenzprofessoren" H 1 / H 2) zu besetzen.

Von den Bewerbern wird neben wissenschaftlicher Qualifikation in Forschung und Lehre Mitarbeit beim Aufbau des Fachbereichs Mathematik und bei der Entwicklung und Erprobung neuer Formen der Lehre sowie Aufgeschlossenheit für interdisziplinäre Zusammenarbeit erwartet.

Bewerbungen sind aufgrund der Ausschreibungsunterlagen (Kennwort: "Mathematik - Hochschul-lehrer"), die auf Anforderung umgehend übersandt werden, bis zum 31. Januar 1971 zu richten an die

### Universität Bremen

— Personalabteilung —  
**28 Bremen-33** Marcusallee 2  
West-Deutschland.

## GRADUATE STUDY

UNIVERSITY OF CALGARY, Graduate Teaching and Research Assistantships are available for students proceeding to the Ph.D. or M.Sc. degrees in all branches of **CHEMISTRY AND BIOCHEMISTRY.** The assistantships are valued from \$3600 to \$4600 per annum and carry remission of fees and a travel allowance. For further information write to: **Department of Chemistry, Chairman of Graduate Studies, University of Calgary, Calgary 44, Alberta, Canada.**

**POSTDOCTORAL POSITION OPEN:** Starting September 1971. Research on free radicals in biology and radiation biology. Applicant must have relevant experience and should submit a vita and at least one letter of reference to **Professor W. A. Pryor, Department of Chemistry, Louisiana State University, Baton Rouge, Louisiana 70803.**

An Equal Opportunity Employer

## The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

### LITERATURE SEARCHING

When you're ready to do a literature search, call on ISI. The new *ISI Search Service* can do the job for you—quickly, efficiently and economically. Our massive data files are yours for the searching. Let us know your information problems. We'll look for the answers. Contact C. Granito or M. Rosenberg for details at (215) 923-3300. Or write ISI, Dept. 29-259.

**ISI**

INSTITUTE FOR SCIENTIFIC INFORMATION 325 Chestnut St. Philadelphia Pa. 19106 USA

# AO announces the first frost-free cryostat.

## It's a hot one.

The new AO® Cryo-Cut includes all the conveniences you have wanted in a cryostat microtome. Precision sectioning with no ice, no condensate, no dripping. It's frost-free.

Desired temperature operating range between  $+10^{\circ}$  to  $-30^{\circ}$  is readily maintained with the door open.

You will appreciate the additional elbowroom offered by the 18-in. width of the microtome well; the sliding glass door with built-in heater to eliminate condensation; the conveniently located fast-feed control; new easy-to-clean procedure without time consuming messy defrosting; clear view control panel and many other features that help make the new AO Cryo-Cut the most convenient precision frozen sectioning instrument of our time.

Write for all the facts, or better still, see a demonstration. Ask your AO Representative.

®TM Reg., American Optical Corp.



**AMERICAN OPTICAL  
CORPORATION**

SCIENTIFIC INSTRUMENT DIVISION • BUFFALO, N.Y. 14215