



Keep your copies of SCIENCE always available for quick, easy reference in this attractive, practical binder. Simply snap the magazine in or out in a few seconds—no punching or mutilating. It opens FLAT—for easy reference and readability. Sturdily constructed, this maroon buckram binder stamped in gold leaf will make a fine addition to your library.

SCIENCE Binders hold one three-month volume of SCIENCE. They have a 3.1/4-inch back and 13 flat fasteners. \$3.25 each. Four binders, \$12.00.

For six-month volumes, through December 1961, SCIENCE binders with 4-inch back and 26 flat fasteners are available. \$3.25 each.

Add 50¢ for orders outside the U.S. Name of owner, 75¢ extra; year of issues, 50¢ extra.

SCIENCE • 1515 Massachusetts Ave., NW, Washington, D.C. 20005

PERSONNEL PLACEMENT

POSITIONS WANTED

(a) Biochemistry Ph.D.; Physiology minor: BVS; Animal Nutrition M.S.; supervised R&D, clinical trials biological products; seeks administrative research appointment. (b) Entomology MS; Biology MA; available for research position; write WOODWARD MEDICAL PERSONNEL BUREAU, 185 N. WABASH, CHICAGO 60601

Experienced Electron Microscopist, Ph.D. Publications. Medical school teaching experience. Seeks academic position with meaningful opportunity to do independent ultrastructure research and to teach in zoology, histology, or embryology. Box 131, SCIENCE.

POSITIONS OPEN

BIOCHEMIST, Ph.D.

A challenging position to carry out research in clinical methodology with emphasis on simplification based on unique approaches. Experience in clinical chemistry pre-ferred but will consider other interested applicants. Rush resume complete with salary history, in confidence to: Technical Employment Manager, Bio-Science Labs, 7600 Tyrone Ave., Van Nuys, California 91405

Clinical Chemist, to direct chemistry department in 308 bed community hospital. Laboratory has 3 pathologists, good technical staff, and approved school. Income commensurate with education and experience. Apply to: J. U. Gunter, M.D., Watts Hospital, Durham, N. C.

POSITIONS OPEN

Biological Production and Development

Challenging position in Biological Production and Development for young veterinarian or microbiologist. The successful applicant should have at least a M.S. degree and three years' experience in bacteriological production techniques. Excellent opportunity for individuality and growth with a midwestern pharmaceutical and biological manufacturer. Please send complete resume and approximate salary requirement to: Box 139, SCIENCE

POSITIONS OPEN

A position is open for a Geneticist, to carry out research and to assist in undergraduate and graduate teaching. The appointment is expected to be at the Assistant Professor rank, with a starting salary in the range \$8,200-\$11,250. A recent Ph.D. is preferred. Send enquiries to Dr. C. Person, Department of Genetics, University of Alberta, Edmonton, Canada. Deadline for applications Aug. 15, 1966.

Physical Chemist or Biophysicist

The Ames Company, a division of Miles Laboratories, Inc., is a leader in medical diagnostics and related products. Due to a recent expansion of our research programs, we have an excellent opportunity for a person with a Ph.D. in physical chemistry or biophysics and from 2 to 5 years experience.

The position we have available stresses freedom of research and creativity in exploring broad fields involving the theoretical aspects of the transfer of materials across synthetic membranes.

Miles Laboratories, Inc., is located in Elkhart, Indiana, a city of 45,000 which offers many fine educational, cultural and recreational resources

Inquiries should be directed to: H. G. MacMillan, Placement Representative, Dept. 283-A

AMES COMPANY

Division Miles Laboratories, Inc. **ELKHART, INDIANA**

An Equal Opportunity Employer

POSITIONS OPEN

(a) Bacteriologist supv research Staphylococcal L forms in clinical infections; to \$20,000; large hosp Calif. (b) Asst/Assoc Prof Human Physiology teach dental-grad students, own research; 10 mo \$10-13,000; E. (c) Biochemist supv busy lab 250 bed expand hosp; \$15,000; MidW. (d) Chemistry/Bacteriology Section Heads develop new research depts ethical drug mfr; \$15,000 up; E. (e) Immunology Instr/Asst Prof teach med-grad students mainly research; \$10-15,000; med univ, S. (f) Clinical Psychologist 200 bed univ hosp; \$12,-000 MidW; for details write WOODWARD MED. PERS. BUREAU, 185 N. WABASH, CHICAGO 60601

PH.D. BIOCHEMIST

525-bed general hospital with excellent facilities, including automated equipment, has opening for biochemist with experience in diagnostic procedures. Some opportunity for research. Excellent salary and fringe benefits. Write to Personnel Director, St. Joseph Mercy Hospital, Ann Arbor, Michigan.

UNIVERSITY OF GUELPH DEPARTMENT OF BOTANY

Applications are invited for (a) ECOLOGIST—specializing in Ecosystems and Conservation; (b) GENETICIST—specializing in Ecosystems and Conservation; (b) GENETICIST—specializing in Fungal Genetics or Molecular Genetics. Teaching will include undergraduate and graduate in fields of specialization and assisting in General Botany or Biology, Appointments will be as of January 1, 1967, and will be at the Assistant Professor level with a salary floor of \$8,500, and adjusted to teaching experience. Applications should be sent to Professor F H. Montgomery, Head, Department of Botany, University of Guelph, Guelph, Ontario.

MEDICAL ENTOMOLOGIST

For Hawaii State bubonic plague surveillance and suppression studies. Requires graduation with degree in entomology or related field and 3 years experience in research projects relating to ectoparasites or other insect pests. \$7.344 - \$9.372 per year. Write Dept. of Personnel Services, \$25 Milliani St., Honolulu, Hawaii 96813.

ANIMAL ECOLOGIST I

For Hawaii State bubonic plague surveillance and suppression studies. Requires 2 years research experience in biological science and graduation with degree in zoology, entomology or related field. \$6,348 — \$8,100 per year. Write Dept. of Personnel Services, \$25 Milliani St., Honolulu, Hawaii 98813.

POSITIONS OPEN

WANTED

Associate Dean for Eastern College of Pharmacy—Administrative Talent Necessary—PhD Pharmacy Preferred But Not Essential—Starting Salary \$15,000 Plus Unusual Fringe Benefits. Box 138,

TOXICOLOGIST

\$11,259 - \$14,042

As Associate to Chief Toxicologist of Philadelphia's outstanding Medical Examiners Office, will supervise laboratory with large professional staff. Requires U.S. citizenshin, doctorate in the physical, medical or biological sciences, and 3 years' recent responsible independent experience in modern bioanalysis.

TOXICOLOGY TRAINEESHIP

\$5,907 - \$7,021

Training in education program leading to masters or PhD. Requires U.S. citizenship and bachelors degree in chemistry with minor in biology.

Send resume to: Stephen S. Henry, Personnel Representative, 500 Municipal Services Bldg., Philadelphia, Pa. 19107.

PRODUCT DEVELOPMENT-BIOMEDICAL ENGINEERING

New Product Development Engineering Department now being expanded to pursue product research and development on a broad range of products for use in the medical, dental, hospital and clinical scientific fields. Positions available now for qualified individuals at all levels of current achievement.

A minimum of an undergraduate degree is required and qualified applicants will have experience in life science research; experience as a member of a hospital research staff is most desirable. A functional understanding of methodology and techniques of the medical and hospital fields are desired.

piral fields are desired.

We offer an excellent opportunity for anyone who seeks a variety of assignments and challenge of accomplishment. Submit inquiries, in confidence, to MR. JOHN BOHANNON, DIRECTOR OF TECHNICAL RECRUITMENT, HEALTH AND SCIENCE DIVISION, BRUNSWICK CORPORATION, 1831 OLIVE ST., ST. LOUIS, MISSOURI 63103.

An Equal Opportunity Employer

Microbiologist

The Chemicals Division of Miles Laboratories, Inc., is highly diversified in the areas of fine chemicals, enzymes and nucleic acid derivatives.

We have an excellent opportunity for a Ph.D. microbiologist with a strong background in biochemistry and an interest and training in microbial genetics, molecular biology and enzymology.

Responsibilities will include conducting independent research in fundamental enzymology as related to nucleic acid and nucleotides and the development of new enzyme preparations, particularly of microbial origin and useful in nucleic acid research.

Miles Laboratories is located in Elkhart, Indiana, a city of 45,000 which offers many fine educational, cultural and recreational

Excellent starting salary plus a superior benefits program including profit sharing. Relocation expenses paid by the company.

Inquiries including positions held, salaries received, expected salary, education and personal data may be directed in confidence to:

H. G. MacMillan, Placement Representative, Dept. 284-A

MILES LABORATORIES, INC. CHEMICALS DIVISION

ELKHART, INDIANA

An Equal Opportunity Employer

POSITIONS OPEN

BIO-MEDICAL TELEMETRY

APPLICATIONS AND TECHNIQUES

A Short Intensive Course for Scientists, Physicians, Engineers by Dr. R. Stuart Mackay

AUGUST 10-13, 1966 WASHINGTON, D.C.

Sponsored by the SMITHSONIAN INSTITUTION in cooperation with the American Institute of Biological Sciences

For further information Write: Bio-Medical Telemetry Course
Office of Education and Training
SMITHSONIAN INSTITUTION Washington, D.C. 20560

PHYSIOLOGIST

PH.D. LEVEL

Required By

SQUIBB INSTITUTE FOR MEDICAL RESEARCH

Fine opportunity for a person who has had RESEARCH experience in BONE and CAL-CIUM METABOLISM. Should also have strong background in BIOCHEMISTRY, with formal training at the DOCTORATE level.

SALARY COMMENSURATE WITH TRAINING AND EXPERIENCE

Send full resume including salary requirements in confidence to:

ADMINISTRATIVE DIRECTOR

SQUIBB INSTITUTE FOR MEDICAL RESEARCH

New Brunswick, N.J. 08903

An equal opportunity employer

The Market Place

SUPPLIES AND EQUIPMENT

HYPOPHYSECTOMIZED RATS

Shipped to all points via Air Express For further information write

HORMONE ASSAY LABORATORIES, Inc. 8159 South Spaulding Ave., Chicago 29, III.

BOOKS AND MAGAZINES

UNPUBLISHED **MANUSCRIPTS** WANTED AT ONCE

We will publish, promote, distribute your book. If your manuscript has unusual possibilities, we will publish it on a straight royalty or partial subsidy basis. Send manuscript for free report or write for Brochure SX.

Seth Richards PUBLISHER

PAGEANT PRESS

101 Fifth Avenue, New York, N.Y. 10003

Recent AAAS Symposium Volumes

#81. Environmental Variables in Oral Disease

1966, 328 pages. Illustrations. Bibliography. Index. Editors: S. J. Kreshover, F. J. McClure. Contents: Geographical and clinical considerations; the oral environment—nutrition and dental caries; experimental considerations in oral soft lesions; prenatally occurring influences. Price: \$8.75. AAAS Member's Cash Price: \$7.75.

#80. Air Conservation

October 1965, 348 pages. Illustrations. Bibliography. Index. The Report of the AAAS Air Conservation Commission, James P. Dixon, chairman. Of interest to scientists and specialists in other disciplines.

Price: \$8.00. AAAS Member's Cash Price: \$7.00.

#79. Science in Japan

October 1965. 496 pages. Illustrations. Bibliography. Index. Edited by: Arthur H. Livermore. A unique opportunity to get both a broad and a detailed picture of recent scientific and technological developments in Japan.

Price: \$13.00. AAAS Member's Cash Price: \$11.00.

#78. Man, Culture, and Animals: The Role of Animals in Human Ecological Adjustments

August 1965. 304 pages. 10 illustrations. Indexes. Edited by: Anthony Leeds and Andrew P. Vayda. Case studies of the relationships among human populations, the animals they use for food or food-getting, the plants significant for maintaining both animals and men, and the sociocultural usages by which plants, animals, and men are linked in eco-systems. Price: \$8.00. AAAS Member's Cash Price: \$7.00.

#77. Food Quality-Effects of Production Practices and Processing

March 1965, 306 pages. References. Index. Edited by: George W. Irving, Jr., and Sam R. Hoover. This volume covers an important and, in recent years, rapidly developing field of science: the production, protection, and processing of foodstuffs of high nutritional and esthetic

Price: \$8.50. AAAS Member's Cash Price: \$7.50.

#76. Agricultural Sciences for Developing Nations

1964. 230 pages. References. Index. Edited by: Albert H. Moseman Characteristics of agricultural systems in emerging nations—Research to devise and adapt in-novations—Education and development of hu-man resources—Establishing indigenous institutions to serve advancing agriculture. Price: \$6.75. AAAS Member's Cash Price: \$6.00.

#75. Mechanisms of Hard Tissue Destruction

1963. 776 pages, 430 illustrations. Edited by: Reidar F. Sognnaes. Symposium by 49 outstanding coauthors on destruction of mineralized structures by organisms and by physical and chemical agents, ranging from rock boring to bone resorption and tooth decay.

Price: \$13.00. AAAS Member's Cash Price: \$11.00.

#74. Aridity and Man

1963. 2nd printing, 1965. 604 pages. 98 illustrations. Edited by: Carle Hodge and Peter C. Duisberg. "Best collection of background material . . . well balanced and highly readable . . . probably the broadest and most nearly complete treatment of arid lands yet published." Journal of Forestry, May 1964. Price: \$12.00. AAAS Member's Cash Price: \$10.00.

#72. Spermatozoan Motility

1962, 322 pages, 113 illustrations. Edited by: David W. Bishop. "This book is an excellent assemblage of recent findings and reports of new data relative to the perplexing problem of sperm motility and includes the opinions and ideas of cytologists, biophysicists, biochemists and physiologists." Journal of Animal Sciences, March 1963.

Price: \$7.50. AAAS Member's Cash Price: \$6.50.

#71. Great Lakes Basin

1962. 320 pages. 92 illustrations. Edited by: Howard J. Pincus. "... Difficulty ... in attempting to do justice to all the topics covered in a book as rich as this one in content, interpretation, and discussion. . . . Highly recommended to scientist and layman alike." *Transactions, American Geophysical Union*, December 1963.

#70. Fundamentals of Keratinization

1962, 202 pages, 136 illustrations. Edited by: E. O. Butcher and R. F. Sognnaes. "This book . . . makes fascinating reading for all clinicians and research workers interested in keratinising tissues." Brit. Dental J., 1/15/63. Price: \$6.50, AAAS Member's Cash Price: \$5.75.

Price: \$7.50, AAAS Member's Cash Price: \$6.50.

#67. Oceanography

1961. 2nd printing. 1962. 665 pages. 146 illustrations. Edited by: Mary Sears. "I know of no other volume that so well defines oceanography, its purpose, opportunities and requirements."—Science, 9 June 1961. Price: \$14.75. AAAS Member's Cash Price: \$12.50.

British Agents: Bailey Bros. & Swinfen, Ltd., Warner House, 48 Upper Thames Street, London, E.C.4

Clip out this Form. Fill in and Mail Today

Circle Volumes You Wish To Order	American Association for the Advancement of Science 1515 Massachusetts Avenue, NW Washington, D.C. 20005 Please send the symposium volumes circled on this form, to:
81 80 79	Name
78 77 76	Address
75 74 72	1.00.000
71 70 67	City State Zip Code
\$ Payment Enclosed	Please check: () I am a member of AAAS, and enclose payment for the volumes indicated at member prices. () Senclosed. () I am not a member of AAAS. () Please bill me.
Ziliciosed	() Please send Membership Application Form.

Some other microscopes have flat-field optics, too . . . but you can expect considerably more from the AO Microstar

For instance, the AO Microstar† Microscope has the unique Autofocus stop. A great time-saver. It so, simplifies operation, that perfect focus is just a matter of touching the fine adjustment.

And there's your choice of mechanical stages so you can face the front or back of the Microstar, use your right or left hand.

In addition, to aid teaching and consultation, you and another can examine the same specimen simultaneously through the Dual Viewing attachment with exclusive illuminated pointer.





More plusses: 35mm,
Polaroid® or 4 x 5 photography;
an auxiliary viewing screen;
minimum slide breakage
because the objective
nosepiece floats if contact is
made with slide; minimum
maintenance throughout.

Naturally, there's flatness of field and outstanding image quality—achieved by the Microstar's pace-setting infinity-corrected optical system.

Call your AO Sales
Representative or write for a
demonstration or further
information. The Microstar will
more than live up to your
expectations.



®by Polaroid Corporation †Registered Trademark American Optical Company



AMERICAN OPTICAL COMPANY
INSTRUMENT DIVISION • BUFFALO, NEW YORK 14215