

## BOOKS RECEIVED

(Continued from page 560)

er-Verlag, New York, 1973. viii, 668 pp., illus. \$92.30.

**Psychoactive Drug Control.** Issues and Recommendations. James J. Moore, C. R. B. Joyce, and Jasper Woodcock, Eds. United Nations Social Defence Research Institute, Rome, 1973 (U.S. distributor, Jossey-Bass, San Francisco). 98 pp. Paper.

**The Psychology of Aboriginal Australians.** G. E. Kearney, P. R. De Lacey, and G. R. Davidson, Eds. Wiley, New York, 1974. xii, 446 pp., illus. \$17.50.

**Psychosomatic Concepts.** Roy R. Grinker. Aronson, New York, 1974. iv, 220 pp. \$10.

**Pulmonary Care.** Papers from a symposium, Philadelphia, May 1972. Robert F. Johnston, Ed. Grune and Stratton, New York, 1973. xiv, 370 pp., illus. \$22.50.

**Radiation and Quantum Physics.** D. J. E. Ingram. Clarendon (Oxford University Press), New York, 1973. x, 108 pp., illus. Paper, \$4.95. Oxford Physics Series.

**Reference Values in Human Chemistry.** Effects of Analytical and Individual Variations, Food Intake, Drugs and Toxics. Applications in Preventive Medicine. Proceedings of a colloquium, Pont-à-Mousson, France, Oct. 1972. G. Siest, Ed. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). xii, 348 pp., illus. \$46.90.

**Regulating New Drugs.** Richard L. Landau, Ed. University of Chicago Press, Chicago, 1974. xii, 300 pp., illus. Paper, \$5.25.

**Respiratory Distress Syndrome.** Proceedings of a conference, Dedham, Mass., May 1973. Claude A. Villee, Dorothy B. Villee, and James Zuckerman, Eds. Academic Press, New York, 1973. xiv, 406 pp., illus. \$15.

**The Riddle of Man.** An Introduction to Psychology. Richard S. Lazarus. Prentice-Hall, Englewood Cliffs, N.J., 1974. xii, 628 pp., illus. \$10.95.

**Schools in New Zealand Society.** A Book of Readings. G. H. Robinson and B. T. O'Rourke, Eds. Wiley, New York, 1974. viii, 312 pp. \$16.50.

**Scientific Inference.** Harold Jeffreys. Cambridge University Press, New York, ed. 3, 1974. viii, 274 pp., illus. \$16.50.

**Simulators.** International Guide. Ralph Collacott, Ed. Addison-Wesley, Reading, Mass., 1973. vi, 602 pp., illus. \$65.

**Solution of Equations in Euclidean and Banach Spaces.** A. M. Ostrowski. Academic Press, New York, 1973. xx, 412 pp. \$34. Third edition of **Solution of Equations and Systems of Equations.** Pure and Applied Mathematics Series.

**Structure and Function of Plant Cells in Saline Habitats.** New Trends in the Study of Salt Tolerance. Translated from the Russian edition (Moscow, 1970) by A. Mercado. B. Gollek, Transl. Ed. Halsted (Wiley), New York, and Israel Program for Scientific Translations, Jerusalem, 1973. vi, 284 pp., illus. \$30.

**Survey of Progress in Chemistry.** Vol. 6. Arthur F. Scott, Ed. Academic Press, New York, 1973. xii, 340 pp., illus. \$29.50.

## Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

**POSITIONS 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 quarter 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 207  
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

**Bachelor Chemical Engineering** with long experience in organic coatings' manufacture, development and formulation, desires to change career to either air pollution control, ecology, environmental engineering, oceanography, geography or meteorology. Willing to sacrifice salary for interesting position. Box 208, SCIENCE. 5/10

**Biochemist/Writer.** Ph.D. (protein chemistry, 1970), M.A. (biology), presently faculty member with grants, publications, and diminishing interest in a conventional academic career seeks less demanding position in order to devote more time to avocation. Willing to consider any reasonably permanent position, suitable for a capable person, in a stimulating intellectual environment. Box 221, SCIENCE. X

**Biologist/Physiologist.** Ph.D. 1973. Ten years of successful college teaching. Seeks challenging academic or industrial position. Wants to locate within the area marked by Pennsylvania, North Carolina, Iowa, and Arkansas. Box 222, SCIENCE. X

**Cancer Researcher,** fully trained in cell culture and laboratory animal work, offers himself to assist work in progress in any of these research fields. Only condition: to have time left to continue own research work. In answering, please enclose a brief outline of the work you are engaged upon and laboratory facilities. For curriculum vitae and further details write to Box 223, SCIENCE. X

**Cell Biologist/Virologist.** Ph.D. 1969: postdoctoral 1971. Age 32. Research interests in mammalian cell cycle and virus-cell interactions at molecular level. Publications, current NIH research grant. Wish to relocate in West. Government/university. Box 224, SCIENCE. X

**Chemist/R & D.** Ph.D. 1971. Two years postdoctoral. Publications. Background in syntheses, inert atmosphere/vacuum line work, development of analytical techniques (GC-MS, IR, UV, NMR). Interested in R & D, teaching, technical writing, or product development. Western location preferred. Box 225, SCIENCE. X

**Geneticist.** Woman, Ph.D., seeks position. Teaching experience in genetics, zoology, and evolution. Research experience with publications. Box 185, SCIENCE. X

**Higher Plant Developmental Biologist.** Ph.D. 1970. Two year postdoctorals: (i) Cell cycle kinetics, (ii) air pollutants-physiological effects. Publications, some teaching. Academic-industry. Box 226, SCIENCE. 5/10

**Innovative and Energetic Organic Chemist.** Ph.D. 1970. Postdoctoral experience. Nineteen publications. Specialization in synthesis of pharmaceuticals, dyestuffs and fine chemicals. Seeks challenging research position. Box 210, SCIENCE. X

**Economic Geologist.** Ph.D. 1966. Publications. Desires academic research-teaching position in western United States. Strong theoretical background with interests in geophysics and geochemistry. Broad North American field exploration experience in shield and cordillera. Current research and publication on porphyry deposits. Box 149, SCIENCE. 5/10, 17

**Neuroanatomist.** Ph.D. Postdoctoral experience in neurophysiology. Seeking position in neurology and/or psychiatry department. Box 211, SCIENCE. X

**Neurobiologist.** Interdisciplinary with extensive teaching experience and publications in ethology, psychophysics, and neurophysiology. Desires stable position. Box 227, SCIENCE. X

**Oral Surgeon.** D.D.S., Sc.D. Seeks full-time academic position, experienced education, published, widely lectured, have teaching and curriculum development experience. Box 170, SCIENCE.

## POSITIONS OPEN

**ASSISTANT PROFESSOR, M.D.,** to take part in a project to be pursued in the hematology section of the department of medicine in cooperation with the department of physiology to apply modern physiological and biochemical methods to the investigation of the membrane characteristics of abnormal red blood cells. Applicant should have completed clinical training in order to undertake clinical responsibilities in the hematology section and have a strong background and interest in the metabolic and physiological properties of red cells. Send curriculum vitae and names of persons who may be requested to supply references to **Department of Physiology, 333 Cedar Street, New Haven, Conn. 06510.**

*Applications from women and members of minority groups are encouraged.*

### ASSISTANT PROFESSOR

Position open 1 July 1974 for appointment at the level of Assistant Professor to carry out research on surface antigens, glycolipids, and glycoproteins. Candidates should have postdoctoral training and experience with immunochemistry and mass spectrometry of membrane components. Graduate teaching opportunities are available. Send curriculum vitae, publications, and references to:

Box 228, SCIENCE

*An equal opportunity/affirmative action employer.*

### ASSISTANT PROFESSOR

Department of Entomology, Purdue University, vacancy for Assistant Professor. The responsibilities of the position include both research and extension in the area of economic entomology and development of pest management strategies for insect pests that attack vegetable crops.

Applicants should submit a complete résumé and request three letters of recommendation be sent to **Dr. Eldon E. Ortman, Head, Department of Entomology**, by 1 June 1974.

It is the policy of Purdue University to provide equal opportunity in employment without regard to race, religion, color, national origin, age or sex, except where age or sex is a bona fide occupational qualification.

### ASSISTANT PROFESSOR OF PHYSIOLOGY/ELECTRON MICROSCOPIST

Applications are invited for a new position in the Department of Physiology for work on the ultrastructure of ion transporting structures and of the nervous system. Knowledge both in conventional and specialized techniques in electron microscopy is essential; experience with epithelial structures (kidney tubule, skin, bladder) as well as muscle, peripheral, and central nervous systems is desirable. Opportunities are available for both collaborative and independent research and for graduate and medical student teaching.

Please send complete curriculum vitae including publications and the names and addresses of three references to:

**Chairman, Electron Microscopist Search Committee**  
Department of Physiology  
Yale University School of Medicine  
333 Cedar Street—SHM B-106  
New Haven, Connecticut 06510

*Applications from women and members of minority groups are welcome.*

**ASSISTANT PROFESSOR OF PLANT PHYSIOLOGY.** A Ph.D. in plant physiology with supporting background in biochemistry, chemistry or environmental science is sought to fill a combination research-teaching position in the area of environmental pollution. Teaching responsibilities include the presentation of one graduate and one undergraduate course in environmental plant physiology. A research program is to be developed which will identify and characterize certain environmental pollution problems in Texas. Send résumé and names of three references to:

**Dr. Wayne R. Jordan, Chairman**  
Faculty Search Committee  
Department of Plant Sciences  
Texas A & M University  
College Station, Texas 77843

*An equal opportunity/affirmative action employer.*

## POSITIONS OPEN

### GROWING DEPARTMENT NEEDS ASSISTANT PROFESSOR

The Department of Geological Sciences at the State University of New York at Buffalo is seeking to appoint an Assistant Professor of outstanding potential. Candidates will have a Ph.D., will advise graduate students, and teach undergraduate and graduate classes. Also required is an interest in research and teaching in low temperature geochemistry. Salary range is \$11,000 to \$13,500. Starting: 1 September 1974.

Send current curriculum vitae, bibliography, important reprints, statement of future research plans and three references to **Dr. Dennis S. Hodge, Acting Chairman, Department of Geological Sciences, State University of New York at Buffalo, Bell Facility, Room D-103, 180 Race Street, Buffalo, New York 14207.**

### ASSISTANT PROFESSORS— BIOCHEMICAL PHARMACOLOGY

Two positions are available for: (i) a CNS pharmacologist (not behavioral) with a Ph.D. in pharmacology and preferably with postdoctoral experience and (ii) a biochemical pharmacologist with a Ph.D. in pharmacology or related discipline and preferably with postdoctoral experience with interests and competence in either drug metabolism/toxicology or endocrine pharmacology with reference to cyclic nucleotide action. Both positions will involve undergraduate teaching (lectures and laboratory) to pharmacy students and development of a graduate research program and graduate teaching. Interested persons should write with curriculum vitae and names of three references to: **Chairman, Department of Biochemical Pharmacology, School of Pharmacy, State University of New York at Buffalo, Buffalo, New York 14214.**

*The State University of New York is an equal opportunity/affirmative action employer and applications are sought from all potentially interested individuals, especially minority groups and women.*

### ASSISTANT RESEARCH NEUROSCIENTISTS

Two Senior-level postdoctoral positions available. Ph.D. in Biochemistry with at least 3 years experience in lipid biochemistry and enzyme purification; teaching experience in neurochemistry preferred.

### ASSISTANT PROFESSOR

Ph.D. with 3 to 5 years of postdoctoral research experience. Applicants should be qualified to teach a neurochemistry course for graduate students. Preference will be given to applicants with demonstrated research competence in lipid biochemistry and enzyme purification.

Send résumé, publications, and references to:

**Room 3034  
Department of Neurosciences  
School of Medicine  
University of California, San Diego  
La Jolla, California 92037**

*An Equal Opportunity/Affirmative Action Employer*

**ASSOCIATE TO FULL PROFESSOR, DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES.** Interdisciplinary department of psychologists and sociologists needs senior faculty member in area of deviant or abnormal development; 50 percent teaching, primarily graduate level, 50 percent research. Requirements: (i) strong record in basic or applied research focused on cognitive or social-emotional adjustment problems within typical settings; for example, families, schools, preschool programs, or community based facilities for diagnosis and remediation of developmental problems; (ii) teaching record indicative of ability to involve students in research on problems of atypical and deviant development. Send curriculum vitae and supporting materials to **John Doris, Department of Human Development and Family Studies, Cornell University, Ithaca, New York 14850.**

### TEMPORARY POSITION AVAILABLE DEPARTMENT OF BIOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE

Applications are invited for a temporary position beginning in September 1974 as a sabbatical leave replacement to teach courses in population ecology or physiological ecology. Appointment as a Lecturer will be at the salary level of Assistant Professor. A balanced department of 26 biologists invites applications from all qualified individuals and especially from women and minority candidates. Please send inquiries and a résumé, including a list of three individuals from whom we might seek recommendations to **Dr. Frank C. Vasek, Chairman, Department of Biology, University of California, Riverside, Calif. 92502.**

## POSITIONS OPEN

### UNIVERSITY OF SOUTH FLORIDA COLLEGE OF MEDICINE CHAIRMAN OF BIOCHEMISTRY

Applications for the position of professor and chairman of biochemistry from qualified individuals are requested. The University of South Florida is an affirmative action equal opportunity employer. Applicants should submit curriculum vitae and bibliography and have three letters of reference sent to **Dr. C. H. Baker, Chairman of Search Committee, Department of Physiology, College of Medicine, University of South Florida, Tampa, Florida 33620.**

### ZOOLOGY CHAIRMAN

Candidates for the chairmanship of the Department of Zoology at Michigan State University are being sought. We would appreciate assistance in identifying potential candidates who have the ability and experience consistent with such a position. Please reply to: **R. Neal Band, Chairman of the Search Committee, Department of Zoology, Michigan State University, East Lansing, Michigan 48824. Michigan State University Is an Equal Opportunity Employer.**

## CHAIRPERSON DEPARTMENT OF OPHTHALMOLOGY

Applications and nominations are sought for the position of Chairperson, Department of Ophthalmology, New Jersey Medical School. Qualifications include evidence of scholarship in research and teaching and administrative experience. Letters of inquiry, applications and nominations should be directed to:

**Dr. Kenneth G. Swan  
College of Medicine and  
Dentistry of New Jersey  
New Jersey Medical School  
100 Bergen Street  
Newark, N.J. 07103**

Applications should be accompanied by a curriculum vitae and by the names of at least three persons for whom letters of reference can be obtained.

*An Equal Opportunity/Affirmative Action Employer*

### ENVIRONMENTAL BIOLOGY

The Department of Population and Environmental Biology of the University of California, Irvine, is seeking applicants for two temporary (1-year) positions, commencing 1 July 1974. Appointments will be as Visiting Assistant Professor for the period 1 July 1974 to 30 June 1975. Applicants should have completed the Ph.D. degree prior to appointment. The areas of interest and duties involved with these positions are as follows:

1) **Applied Ecology.** Applicants should have interests and research experience in some aspect of applied ecology. Duties will include the development of an undergraduate course in the general area of land-use planning and resource management and an upper division or graduate course in the applicant's field of special interest.

2) **Marine Invertebrate Ecology, Ecological Entomology, Systems Analysis, or Theoretical Ecology.** Applicants will be expected to teach an undergraduate and graduate level course in their field of interest and to participate in a team-taught introductory ecology course.

Applicants should provide curriculum vitae and request that three letters of recommendation be sent to the following address:

**Dr. Philip W. Rundel  
Chairman, Search Committee  
Department of Population and  
Environmental Biology  
University of California, Irvine  
Irvine, California 92664**

Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.

## POSITIONS OPEN

### CHAIRPERSON BIOCHEMISTRY DEPARTMENT

Applications and nominations are sought for the position of Chairperson, Department of Biochemistry, The University of Texas Health Science Center at San Antonio. Qualifications include evidence of research, teaching and administrative experience. Letters of inquiry, applications and nominations should be directed to: **Dr. Arthur H. Briggs, Department of Pharmacology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284.** Applications should be accompanied by a curriculum vitae and by the names of at least three persons from whom letters of reference can be obtained. *An Equal Opportunity, Affirmative Action Employer.*

### DEAN, COLLEGE OF SCIENCE AND MATHEMATICS

Position available for Dean of Science and Mathematics. Successful candidate is expected to assume leadership of an active college in a land grant institution. The college is composed of the departments of biochemistry, botany, chemistry, geology, mathematics, physics, polymers and coatings, psychology, and zoology. Candidates must have a Ph.D., an established research reputation in his or her field, and some academic administrative experience. Position may be filled as early as September 1974. *We are an equal opportunity employer.* Contact **Chairman, Dean Search Committee, College of Science and Mathematics, North Dakota State University, Fargo, North Dakota 58102.**

### ECONOMIST

to do technology assessment

The SCIENCE and PUBLIC POLICY PROGRAM and the DEPARTMENT OF ECONOMICS of the UNIVERSITY OF OKLAHOMA are seeking an economist to lead an interdisciplinary technology assessment team. The position is a joint appointment and requires an experienced researcher, with a Ph.D. or equivalent experience, who can be principal investigator on a team composed of natural scientists, engineers and social scientists. Rank and salary would be commensurate with qualifications.

*The University is an equal opportunity employer; women and members of minority groups are encouraged to apply.*

Please send a copy of your curriculum vitae, letters from three professionals, and reprints or copies of any papers you deem appropriate to **Don E. Kash, Director, Science and Public Policy Program, University of Oklahoma, Room 432, 601 Elm Avenue, Norman, Oklahoma 73069.**

### FOUNDATION FOR RESEARCH AND CONSERVATION

An extensive program on ecology and management of wetlands is being initiated by a new Foundation operating in close association with IUCN and WWF and based on the Tour du Valat Biological Station, Camargue, France. Applications are invited for the following posts:

#### 1) Senior Wetlands Ecologist

Will advise on research and management of wetlands, especially Mediterranean and particularly the Camargue. Two-year appointment initially, stationed at IUCN, Morges, Switzerland, with frequent visits to the Camargue. Postgraduate qualifications and several years of experience in senior position. English language is essential and reading French and German is desirable.

#### 2) Director, Biological Station

Will direct research program, biological station and reserve at Tour du Valat. Biologist with postgraduate training and some years of senior research and administrative experience.

#### 3) Assistant Manager, Biological Station

Will direct administration, construction, and maintenance of station and reserve. Experienced manager, possibly forester or agronomist, with experience in field work and conservation.

#### 4) Director of External Relations

Will coordinate program for promotion of conservation, particularly of wetlands, around the Mediterranean and in Near East. Biologist or qualified amateur naturalist with public relations or related experience. Location of post open but will involve frequent travel.

Candidates should be aged 30 to 50. Good spoken and written French and English essential for posts 2 to 4, other languages desirable (Spanish useful for post 4); duration negotiable but early start required.

All posts are well remunerated and carry good fringe benefits.

Full curriculum vitae to: **Dr. L. HOFFMAN, Tour du Valat, LE SAMBUC, 13200-ARLES, France.**

**NEW ZEALAND  
UNIVERSITY OF CANTERBURY  
CHRISTCHURCH**

**University Postdoctoral Fellowship  
in Perceptual Psychology**

Applications are invited for the above-mentioned Fellowship in the Department of Electrical Engineering from Psychologists who have specialized in SPATIAL PERCEPTION. The programme of research is related to the generation by blind persons. The work will be directed toward a better understanding of the form of "Auditory Space" designed at Canterbury and the problems encountered in teaching blind people to use it in a complex dynamic setting. Special facilities are available for the study.

The emolument is NZ\$6,600 per annum. The Fellowship will be tenable normally for 1 year, but with no possibility of extension.

Further particulars and Conditions of Appointment may be obtained from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF.

Applications on 24 May 1974.

**UNIVERSITY OF QUEENSLAND  
SENIOR LECTURER, MICROBIOLOGY  
AND FOOD TECHNOLOGY  
DEPARTMENT OF VETERINARY  
PREVENTIVE MEDICINE**

Requirements: A degree in Veterinary Science, Microbiology or Food Technology and appropriate practical and research experience. Duties: Teaching and research in the fields of food microbiology and technology with particular reference to meat hygiene and veterinary public health. (Quote Reference No. BOO274).

Salary: \$A12,268 to \$A14,308 per annum.

Other Benefits: Superannuation similar to F.S.S.U., housing assistance, study leave, and traveling and removal expenses.

Additional information and application forms are obtainable from the Staff Officer, University of Queensland, St. Lucia, Q. 4067, Australia, with whom applications close on 6 May 1974.

# Environmental Sciences

Postdoctoral appointments and staff positions at Argonne National Laboratory

Positions at the Ph.D. and B.S. levels are available in ongoing research programs. Openings in the Environmental Statement Project Group are involved in measuring and assessing the environmental impact of the utilization of nuclear and fossil fuels on lakes and rivers. Openings in the Radiological and Environmental Research Division are concerned specifically with the ecological problems of the Great Lakes region. Areas of interest include limnology, aquatic and terrestrial ecology, soil science, and meteorology.

Please send résumé in confidence to: Mr. Ronald A. Johns, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.



**ARGONNE  
NATIONAL  
LABORATORY**

U of C-AUA-USAE  
An equal opportunity employer m/f

## ASSISTANT DIRECTOR BIOLOGICAL RESEARCH

Searle Laboratories, a division of G. D. Searle & Co., is playing an integral part in our planned growth in the multi-national health care field. To help us achieve our goals, it is necessary to seek out excellent talent with proven records of achievement. We require just such a person for our Assistant Director of Biological Research.

In training and experience we expect our Assistant Director to have a Ph.D. in pharmacology with an excellent background in biochemistry. Additionally, 7 years post Ph.D. experience, combined in industry or governmental/institutional work are required with a record of innovative research proven through recognition and publication. Prior experience should provide knowledge in any two of the following areas: gastroenterology, CNS pharmacology, cardiovascular pharmacology or renal pharmacology.

Our Assistant Director will be responsible for: directing and coordinating the research activities of the four areas aforementioned; evaluating new ideas; participating in collaborative research projects through sitting on relevant committees; and performing the spectrum of scientific management responsibility.

In addition to the challenge and reward of seeing your ideas to fruition, we provide an excellent compensation and benefits program. To inquire further send your curriculum vitae to:

**SEARLE**

**JOEL MYERS  
G. D. Searle & Co.**

Box 5110. Chicago, Illinois 60680

An Equal Opportunity Employer

# ENERGY

The health of this nation's economy during the next decade will be determined by how well we cope with the uncertainties of energy matters. To provide an authentic discussion of industrial, government, academic, and private options for the coming years, Science published on 19 April a special issue completely devoted to these topics. Already the issue is being used in classrooms, seminars, and industrial and academic discussion groups and conferences. Use the coupon below to obtain the copies you need for your group at reduced back-issue rates for multiple-copy orders.

Write to:  
**Energy Issue, Department NRG  
Science—AAAS**  
1515 Massachusetts Avenue, NW  
Washington, D.C. 20005

Orders of 1 to 9 (payment with order): \$2 each  
Orders of 10 or more: \$1.75 each. Orders of 50 or more:  
\$1.50 each

Name \_\_\_\_\_ (Please print)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Send \_\_\_\_\_ copies. Purchase order No. \_\_\_\_\_

Make checks payable to AAAS

## POSITIONS OPEN

### ELECTRON MICROSCOPIST

M.D. or Ph.D. to participate in research studies involving mammalian cardiac tissue. Permanent appointment, federal Civil Service salary and fringe benefits. Please submit curriculum vitae to: **Anthony N. Damato, M.D., Department of Cardiology, U.S. Public Health Service Hospital, Staten Island, N.Y. 10304.**

*Equal Opportunity Employer*

### FOREST HYDROLOGIST

The School of Forestry and Environmental Studies  
Yale University  
invites applications for a position as

### ASSISTANT PROFESSOR

Duties will include teaching a course in fundamental hydrology and forest watershed management to professional students in the School, as well as an advanced course in a related specialty. Supervision of doctoral students and research will also be involved. Engineering hydrology is essential and candidates should also have training and interest in the biology of watershed management.

Send curriculum vitae and three letters of recommendation to: **Professor William E. Reifsnnyder, Search Committee Chairman, Yale School of Forestry and Environmental Studies, Marsh Hall, 360 Prospect Street, New Haven, Conn. 06511.**

*An equal opportunity/affirmative action employer*

### GEOPHYSICAL FLUID DYNAMICIST

Research Scientist (Ph.D.) in geophysics, applied math, or fluid dynamics to join an on-going research program in the dynamics of ocean-tides. Research experience in this area of research preferred. Please send résumé to:

**Dr. John T. F. Kuo  
Lamont-Doherty Geological Observatory  
Palisades, New York 10964**

*An Equal Opportunity Employer*

### IMMUNOCHEMIST

Postdoctoral position available 1 June 1974 for an immunochemist or an immunologist with a strong chemistry background. Research involves the detection of circulating tumor-associated antigens in animals. Salary to \$10,000. Applications and inquiries should be sent to **Prof. J. M. Osborne, Radiation Research Laboratory, 14 Medical Labs., University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity Employer.**

### INVERTEBRATE ZOOLOGIST UNIVERSITY OF RHODE ISLAND

Position available for September 1974 at Assistant/Associate Professor level to teach Invertebrate Zoology, Systematic Zoology, plus own specialty. Ph.D. plus demonstrated excellence in both teaching and research required. Also expected to develop own research program and supervise graduate students. Salary depends on qualifications. Send complete curriculum vitae, three letters of recommendation, recent reprints, and other supporting documents by 17 May 1974 to: **Dr. K. E. Hyland, Search Committee Chairman, Department of Zoology, University of Rhode Island, Kingston, R.I. 02881.**

*An Equal Opportunity/Affirmative Action Employer  
Women and Minorities Are Encouraged to Apply*

Faculty position in **MEDICAL ENTOMOLOGY** available at the Johns Hopkins University School of Hygiene and Public Health. Graduate teaching emphasized. Assistant or Associate Professorship available. Send curriculum vitae and bibliography to:

**Dr. Frederik B. Bang  
The Johns Hopkins University  
School of Hygiene and Public Health  
615 North Wolfe Street  
Baltimore, Maryland 21205**

Applicants will be considered without regard to race, religion, sex or national origin. *The Johns Hopkins University is an equal opportunity/affirmative action employer.*

## POSITIONS OPEN

### MARINE SCIENCE LIBRARIAN

Position requires a B.S. in one of the natural sciences as well as an M.L.S. Significant experience in a Science Library required; experience in a Marine Science Library is preferred. The successful applicant will take charge of an expanding marine science library facility, and be completely responsible for meeting the reference needs of over 300 faculty, research staff, and students. Experience in squeezing blood from turnips and the ability to leap tall buildings in a single bound would be of inestimable value. The position will be available after 1 June 1974. Rank and salary are open.

Send résumé and names of three references to: **Librarian Search Committee, c/o Dr. James S. Mattson, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 10 Rickenbacker Causeway, Miami, Florida 33149. The University of Miami is an equal opportunity/affirmative action employer.**

**METABOLISM CHEMIST, CIBA-GEIGY**, a leader in the Crop Protection Chemicals Field, has an additional career opportunity at its new facilities in Greensboro, North Carolina, in the Analytical Chemical Department, Agricultural Division. Requires Ph.D. in Bio-Organic, Analytical Chemistry, with a strong minor in biological sciences and 1 to 5 years' experience in areas of separation, purification and identification of radioactive metabolites and biological systems (plant and animal). Activities will require assimilating and interpreting biological data (field and lab) from within and without the company, effective oral and written communications, plus individual and team effort to accomplish project objectives. If you qualify, and desire confidential consideration, please write, including current résumé and salary expectations, to **C. LaBella, Site Personnel, CIBA-GEIGY Corporation, P.O. Box 11422, Greensboro, North Carolina 27409. We are an equal opportunity employer/male and female.**

### MOLECULAR AND ENVIRONMENTAL TOXICOLOGY

Pre- and postdoctoral traineeships available in Molecular and Environmental Toxicology. Persons may choose programs in biochemistry, botany, entomology, genetics, physiology, statistics, and zoology. For further information write:

**F. E. Guthrie  
Department of Entomology  
North Carolina State University  
Raleigh, North Carolina 27607**

*North Carolina State University is an Affirmative Action Institution. Women and members of minority groups are encouraged to apply.*

## ORGANIC CHEMIST

A leader in the Explosives Industry, located in northeastern Pennsylvania, seeks a recent graduate to work with a Product Development team from bench scale through pilot plant. Heavy emphasis on practical application of R & D.

Successful candidate should possess an M.S. or Ph.D. in Organic Chemistry with a strong background in Inorganic or Physical Chemistry. Some Industrial and/or Product Development experience helpful.

We offer excellent salary and benefits in a stimulating working environment.

Please send résumé stating background and salary and requirements to: **Personnel Supervisor.**



**ATLAS POWDER COMPANY**  
SUBSIDIARY OF TYLER CORPORATION

**P.O. Box 271, Tamaqua, Pa. 18253**  
an equal opportunity employer

## POSITIONS OPEN

### MAMMALOGIST-ECOLOGIST

Assistant Professor position available 1 July 1974. Ph.D. required. Teaching to include Mammalogy, team-teaching of General Ecology and Animal Behavior, plus others in area of specialization, and in graduate program. Send curriculum vitae and names and addresses of five references to: **Search Committee, Biology Department, University of Nevada, Reno, Nevada 89507.**

*An Equal Opportunity-Affirmative Action Employer*

### OBSTETRICS AND GYNECOLOGY

Desire full-time academic faculty who are Board certified in Obstetrics and Gynecology with interests in the teaching, research and practice aspects of perinatology, endocrinology, or infertility. Please send curriculum vitae and bibliography to **Chairman, Department of Obstetrics and Gynecology, University of Florida College of Medicine, Gainesville, Florida 32610.**

### OCEANOLOGIST

Research Scientist (Ph.D.) in oceanography-paleo-oceanography, paleoclimatology, to become member of on-going research in CLIMAP Project. Required background in statistical analysis (transfer function, time series), marine geology, micropaleontology, physical oceanography. Position open 1 May. Please send résumé to:

**Dr. Andrew McIntyre  
304 Oceanography  
Lamont-Doherty Geological Observatory  
Palisades, New York 10964  
An Equal Opportunity Employer**

The Physics Department of the University of California at Berkeley anticipates that a faculty position will soon be open in experimental solid state physics, and invites applications from physicists who combine specialist backgrounds in the physics of semiconductors and modern ultra-violet and x-ray photoemission spectroscopy of solids. Candidates must possess the ability to conduct original research of significance. Applications should be submitted to **Professor Marvin Cohen, Physics Department, University of California, Berkeley, California 94720**, and should be received before 1 August 1974.

*Equal Opportunity/Affirmative Action Employer*

### POSTDOCTORATE PLANT BIOCHEMISTRY

Applicant holding Ph.D. with training in plant biochemistry and knowledge of methods in biophysics will be considered. Research emphasis will be concerned with early detection of internal bruises in potato tubers. The feasibility of electronic or biochemical methods applicable to tuber bruise detection is the primary objective; secondary, the biochemistry of bruise development. Applications received until 15 May 1975. Address applications to:

**Dr. Gilbert F. Stallknecht  
Associate Research Professor of Physiology  
University of Idaho  
Research and Extension Center  
Aberdeen, Idaho 83210**

### POSTDOCTORAL POSITIONS PENDING

Biochemist-microbiologist to investigate biochemical and biological aspects of nitrogen fixation by legumes and nonlegumes.

Oregon State University subscribes to a policy of active recruitment of women and ethnic minority persons and invites all interested and qualified persons to apply with résumé and references to:

**Professor Harold J. Evans  
Department of Botany and Plant Pathology  
Oregon State University  
Corvallis, Oregon 97331**

### UNIVERSITY OF WASHINGTON SCHOOL OF MEDICINE DEPARTMENT OF PHARMACOLOGY

Postdoctoral research positions available as of 1 July 1974. Applications are invited from recent graduates with interest in any of the following areas: autonomic, biochemical pharmacology, toxicology, neuropharmacology, psychopharmacology, membrane transport, and developmental pharmacology.

*We encourage minority and female applicants to contact us as we have an equal opportunity/affirmative action program.*

Send inquiries and résumés to: **Dr. Donald C. Dyer, Department of Pharmacology SJ-30, School of Medicine, University of Washington, Seattle, Wash. 98195.**

## Veterinary Microbiology

The Merck, Sharp & Dohme Research Laboratories has an outstanding career opportunity available for an experienced veterinary biologist. Responsibilities will include the basic studies in infectious disease research. The ideal candidate should be a D.V.M. with additional training in microbiology. Experience in swine production is helpful.

We will offer the right individual a creative working atmosphere in the Merck, Sharp & Dohme Research Laboratories combined with an excellent salary and compensation package.

Send résumé and salary requirements to:

William T. Jackson  
Employment Supervisor  
Merck & Co., Inc.  
Rahway, N.J. 07065



An Equal Opportunity Employer M/F

## PROTEIN CHEMIST—Ph.D.

A rapidly growing leader in the Medical Products Field, located in Southern California, is seeking a qualified individual to join our Research Staff.

The individual we are seeking must have a good theoretical background in Chemistry combined with experience in blood-related areas, including purification of blood clotting components, fractionation of human plasma proteins, and structural protein synthesis.

The qualified candidate should have a Ph.D. in Biochemistry with undergraduate in Chemistry. Experience in Affinity Chromatography and automated equipment desired.

We offer excellent salary and benefits program. Send résumé with salary history in confidence to:

Box 230, SCIENCE

An Equal Opportunity Employer

## biological SCIENCES

Due to expansion of biological research activities at IIT Research Institute, a not-for-profit research organization located on the IIT campus, applications are invited for the following positions:

### BEHAVIORAL PHARMACOLOGIST:

Ph.D. with a minimum of 2 years of postdoctoral experience in behavioral techniques. Duties will include participation in on-going studies of drug abuse and initiation of new research programs.

### PHARMACOLOGIST:

Ph.D. with experience in pharmacokinetics to participate in studies involving drug absorption, distribution and measurement of metabolites.

### IMMUNOCHEMIST:

Ph.D. with 2 years of postdoctoral experience and familiarity with current immunoassay techniques. Will participate in studies on the effects of environmental stresses on immune status.

For confidential consideration, please send résumé with salary history and requirements to J. A. Fecske.



IIT  
RESEARCH  
INSTITUTE

10 West 35th Street  
Chicago, Illinois 60616  
An Equal Opportunity Employer

## AAAS Memberships and Subscriptions

- Whenever you write us about your membership or subscription, please attach a Science address label to assure prompt service.
- Mail to: Membership and Subscription Records, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005.
- ☐ **Change of Address:** Please provide 6 weeks' notice. Paste an address label from a recent issue in the space provided. Print new address below.
- ☐ **Query:** If you have a question, place your address label here and attach this form to your letter.
- **To join or subscribe:** Mail this form with your payment, mark the appropriate boxes, and print your name and address in the space below. (For renewals, attach label.)

### ☐ Membership rates (individual only)

- ☐ \$21 USA ☐ \$26 Canada, PUAS ☐ \$27 Foreign  
☐ \$41 Airlift to Europe, North Africa, Near East

### ☐ Subscriber rates

- ☐ \$40 USA ☐ \$46 Canada, PUAS ☐ \$48 Foreign  
☐ \$60 Airlift to Europe, North Africa, Near East

- ☐ Payment enclosed ☐ Bill me later

Name Please print

Address

City State Zip MJD5

ATTACH  
LABEL  
HERE



## POSITIONS OPEN

### POSTDOCTORAL POSITION

Appointment as Research Associate in Biochemistry to be made immediately for studies of transport mechanisms in membrane vesicles. Send curriculum vitae and three letters of recommendation to:

**Dr. E. M. Barnes**  
Department of Biochemistry  
Baylor College of Medicine  
Houston, Texas 77025

### POSTDOCTORAL POSITION

For new or recent Ph.D. Salary commensurate with experience. Research in DNA polymerases, reverse transcriptases, and DNA replication in research institute, New York area. Position available July to September 1974.

Box 229, SCIENCE

### POSTDOCTORAL POSITIONS

Postdoctoral research/training positions will be available with some of the faculty of the Department of Biology at Yale University during the coming months in a variety of subjects. Successful applicants will be expected to present a case for work with a specific member of the faculty. Particular attention is drawn to the establishment of the Forest B. H. and Elizabeth D. W. Brown Postdoctoral Fellowship in the Botanical Sciences. Résumés may be sent to and/or information can be obtained by writing **Administrative Assistant, 102 Kline Biology Tower, Yale University, New Haven, Connecticut 06520.**

An Equal Opportunity/Affirmative Action Employer

**POSTDOCTORAL TRAINEESHIPS** available in cancer research: hormone-protein interaction; hormonal control in cell and organ culture; biochemical nature of membranes; steroid metabolism, enzymology. **RESEARCH ASSOCIATE POSITION** also available for individual with expertise in the aforementioned studies. Permanent residents only. Apply with curriculum vitae to: **Dr. V. Hollander, Research Institute, Hospital for Joint Diseases, 1919 Madison Ave., New York, N.Y. 10035.** An equal opportunity employer.

### PREDOCTORAL ASSISTANTSHIPS AND TRAINEESHIPS

In Oncology, Immunology, Microbiology, Virology, and Molecular and Cellular Biology. Prerequisites: B.S. degree in biology, chemistry, or related fields with B average or better and high G.R.E. score. U.S. citizenship required. Traineeships and assistantships available. Inquiries should be submitted to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

**PRIMATE REPRODUCTIVE BIOLOGIST (SENIOR INVESTIGATOR).** Core Staff member of the Regional Primate Research Center at the University of Washington. To be in charge of reproductive studies at the primate breeding colony of the Field Station located at Medical Lake, Washington. Essential characteristics: (i) Ph.D., (ii) extensive experience with nonhuman primate reproduction, (iii) research experience in ovulation and production of timed pregnancies, and (iv) good history of successful grant applications.

Apply to **Dr. Orville A. Smith, Director, Regional Primate Research Center, University of Washington, Seattle, Washington 98195.** An Equal Opportunity/Affirmative Action Employer.

**SENIOR PHYSIOLOGIST**—Must possess a doctorate or equivalent and have experience and responsibility for medical and/or paramedical curriculum. Demonstrated research competence expected. Possible joint appointment in School of Medicine. Rank—Associate Professor or Professor. Salary open. Position is to develop and coordinate physiological instruction at undergraduate, graduate and professional level. Apply **Chairman, Biology Department, University of Missouri at Kansas City, 5100 Rockhill Road, Kansas City, Missouri 64110.** The University of Missouri is an equal employment and educational opportunity institution.

### SENIOR RESEARCH ASSOCIATE, Ph.D.

Immediate opening for person interested in effect of DNA repair on the mutagenic action of radiation and chemical carcinogens in human cells in culture. Experience with tissue culture required. Knowledge of physicochemical techniques for measuring repair would be helpful, but not essential. Offered for 1 year, with renewal upon mutual agreement. Beginning salary: \$9000 per year. Send full curriculum vitae and names of three scientific references to: **Dr. V. M. Maher, Michigan Cancer Foundation, 110 E. Warren, Detroit, Mich. 48201.**

**TECHNICAL SPECIALIST IN IMMUNOHISTOPATHOLOGY:** Outstanding opportunity for growth and experience available to qualified candidate. Some prior experience in immunohistology, autoradiography, enzyme histochemistry, and operation of Faxitron desirable. Knowledge of bone histotechnology is essential. Require M.S. or B.S. and significant experience. Excellent salary and employee benefits. Send detailed résumé, including salary history, in confidence to **Mr. Jules Elias, Department of Pathology, Health Sciences Center, State University of New York at Stony Brook, Stony Brook, N.Y. 11790.** An equal opportunity employer.

## FELLOWSHIPS

**UNIVERSITY OF WASHINGTON, DEPARTMENT OF OBSTETRICS AND GYNECOLOGY,** is accepting applications from academically directed M.D.'s who are U.S. citizens or holders of permanent visas (immigrant) for NIH-sponsored fellowships in gynecologic endocrinology. Available 1 July 1974. An equal opportunity—affirmative action employer. **Dr. W. L. Heinrichs, Department of Ob-Gyn RH-20, School of Medicine, University of Washington, Seattle, Wash. 98195.**

### FELLOWSHIP IN RENAL AND MEMBRANE PHYSIOLOGY

A fellowship commemorating Dr. Louis G. Welt has been established by the Department of Medicine, University of North Carolina, Chapel Hill, for 2 years' support of an M.D. or Ph.D. interested in postdoctoral research in the areas of nephrology or membrane physiology. Recipient would concentrate in one of several areas including renal physiology, epithelial transport, endocrinology of ion and water metabolism, hormones and membranes, or red blood cell transport. Interested parties should communicate with the **Chairman, Department of Medicine, University of North Carolina—Chapel Hill, Chapel Hill, North Carolina 27514.** Deadline for receipt of applications: 1 November 1974.

### NEW ZEALAND SENIOR AND POSTDOCTORAL RESEARCH FELLOWSHIPS

The New Zealand National Research Advisory Council invites applications for ten Senior and Postdoctoral Fellowships to be taken up in New Zealand in 1975. The awards will be for scientific research in Government Departments. A good working knowledge of English is required. There is no restriction regarding nationality of applicants, but successful candidates must meet the requirements of the New Zealand immigration authorities.

A grant equivalent to return economy class air fares from the Fellow's home to the New Zealand institution will be made. While in New Zealand reasonable traveling expenses incurred in connection with the research work will be paid.

All emoluments are taxable. **Senior Research Fellowships**—Applicants should possess a Ph.D. degree or higher qualification or have a distinguished record of scientific research. The fellowships are intended for research workers who have had professional experience and have published original material. Fellowships are normally for a period of from 9 months to 1 year. If a Fellow's wife accompanies him a grant equivalent to her return fare will be paid provided the fellowship is for a term of at least 9 months. If applicable, the employer's contribution to a superannuation scheme will be paid. The emoluments will range from NZ\$10,288 to NZ\$15,265 a year.

**Postdoctoral Research Fellowships**—Applicants should possess a Ph.D. or equivalent degree. The fellowships are intended for research workers who are recent graduates and may have had some research experience since graduation. Fellowships are normally for a period of from 2 to 3 years. If a Fellow's wife and family accompany him a grant equivalent to their return fares will be paid. A grant will also be made toward the cost of transport of personal effects. The emolument will be NZ\$8,637 a year.

Application forms and further particulars may be obtained from: **The Senior Administration Office, National Research Advisory Council, Box 8004, Wellington, New Zealand; The Senior Scientific Adviser, New Zealand High Commission, New Zealand House, Haymarket, London, S.W.1 Y4TQ England; from the New Zealand Embassy, 19 Observatory Circle, NW, Washington, D.C. 20008, U.S.A.; from the New Zealand High Commission, Suite 804, Commonwealth Building, 77 Metcalfe Street, Ottawa, Canada, K1P 5L6; from the New Zealand High Commission, Commonwealth Ave., Canberra 2600, A.C.T., Australia; from the New Zealand Embassy, 20-40 Kamiyama-cho Shibuya-ku, Tokyo 150, Japan; from the New Zealand Embassy in Bangkok, Bonn, Brussels, The Hague, Jakarta, Lima, Paris, Rome, Saigon, Santiago, Seoul; from the New Zealand Consulate-General in Athens, Geneva, Los Angeles, New York, Sydney, San Francisco; from the New Zealand Commission in Hong Kong; and from the Office of the High Commissioner for New Zealand in Kuala Lumpur, and Singapore.**

Applications must reach the Council's office by 30 September 1974.

## COURSES

### INTRODUCTORY ELECTRON MICROSCOPY Cornell University—1-12 July 1974

A course designed for scientists, either physical or biological, who would like to apply microscopical techniques to their research or development programs. The course provides a sound basis upon which participants can develop their competence in microscopy. The course will consist of lectures, demonstrations, and laboratory practice. Instructors are Sydney S. Breese, Jr., of the Plum Island Animal Disease Laboratory and George G. Cocks of Cornell University. Tuition is \$550. For more information write or call **Professor George G. Cocks, Olin Hall, Cornell University, Ithaca, N.Y. 14850.** Phone 607/256-5268.

### January Courses

at  
**the Marine Biological Laboratory (MBL)  
Woods Hole, Mass. 02543  
DEVELOPMENTAL BIOLOGY  
for undergraduates  
8-30 January 1975**

**Offered by the Marine Biological Laboratory**  
Designed for motivated students with a background in introductory biology and interest in development. Lectures on concepts of development and genetics accompany labs dealing primarily with marine organisms and emphasizing modern experimentation based on understanding development. Introduction to ecology of organisms studied. Instructors: L. and L. Barth, MBL; A. W. and J. R. Coleman, Brown University; L. E. DeLanney, Ithaca College; J. D. Ebert, Carnegie Institution of Washington and MBL; J. E. Fortune, Cornell University; W. S. Vincent, University of Delaware; plus visiting seminar speakers.

### NEUROBIOLOGY

for advanced undergraduates  
and beginning graduate students  
6-31 January 1975  
Offered jointly by MBL and the  
Boston University Marine Program

For students with a background in introductory biology, general physics, and general chemistry, and interest in neurobiology. Emphasis upon lab work using electrophysiological methods: extracellular recording from nerves, giant axons, and sensory receptors; intracellular recording from synaptic and sensory systems. Daily lectures, frequent seminars, and guest lecturers. Instructors: A. Fein, and E. F. MacNichol, Jr., MBL; F. Lang, Boston University Marine Program.

Tuition for each course (4 credit hours), \$400; dormitory, including board \$225 or less. For application blanks and further information, write the **Marine Biological Laboratory, Admissions Office, Woods Hole, Mass. 02543.** (617) 548-3705, ext. 212. Applications close 1 November 1974.

## CONFERENCE

The First Annual National Conference on Biomedical Research Problems in a Changing World has been held at the Sheraton Park in Washington, D.C., on 5, 6, and 7 February 1974 sponsored by the University of Maryland and Medi-Science, Inc. The latest developments and breakthroughs in such strategic activity areas of biomedicine as Heart, Vascular and Kidney Studies; Cancer Studies, Prosthesis Developments, Instrumentation; Health Care Delivery and Biomedical Ethics has been presented by the leading scientists of the country. For a copy of the *Proceedings*, Send \$10 to **Conference, Medi-Science, Inc., P.O. Box 637, Laurel, Maryland 20810.**

### CONFERENCE MANAGEMENT

Expansion of Multi-Disciplined Conference Division of small company welcomes opportunities to plan, program, and implement all aspects of running seminars, symposia, and conferences in all areas of science. Successful track record.

For handling your conference write **Conference, Medi-Science Inc., Box 637, Laurel, Md. 20810, or phone (301) 652-4700.**

## MARKET PLACE

## AUTHORS WANTED BY NEW YORK PUBLISHER

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For free booklet, write: **Vantage Press, Dept. SC, 516 W. 34 St., New York 10001.**

# SCHLEICHER & SCHUELL



## Serving science for over 400 years

Born from more than 400 years of manufacturing in Europe, Schleicher & Schuell began serving science in the United States 50 years ago. Today, this company's complete line includes filter papers and specialties; chromatography powders, media for TLC plates, prepared TLC plates of glass and Mylar®; and membranes and apparatus for a

wide range of tests, including RNA-DNA studies.

The consistently high quality of S&S products is supported by the many definitive methodologies recommending S&S as the preferred manufacturer.

Schleicher and Schuell—a reputation for quality and a history of 400 years of service.

*If you would like a 14" x 14" lithographed reproduction of the German water color, titled Paper, the Traditional Process, without any advertising copy and suitable for framing, write on your company or institutional letterhead.*

**SCHLEICHER & SCHUELL**



MYLAR is a registered trade name of DuPont Corp.

KEENE, N.H., U.S.A. 03431/Tel. 603 352-3810 • CABLE ADDRESS: FILTERING/TWX710-366-6390 • D-3354, Dassel, West Germany • Telefon (0 5564) 195/Telex 09 65 632 • 8714 Feldbach ZH, Switzerland • Telefon 0 55/422 12/Telex 75628



## Add a vertical illuminator for incident light fluorescence

You can extend the versatility of your AO MICROSTAR microscope with the simple addition of our new compact Vertical Illuminator for incident light fluorescence microscopy. It fits any Series 10 or 20 microscope; attaches easily and quickly; requires no alignment or adjustment.

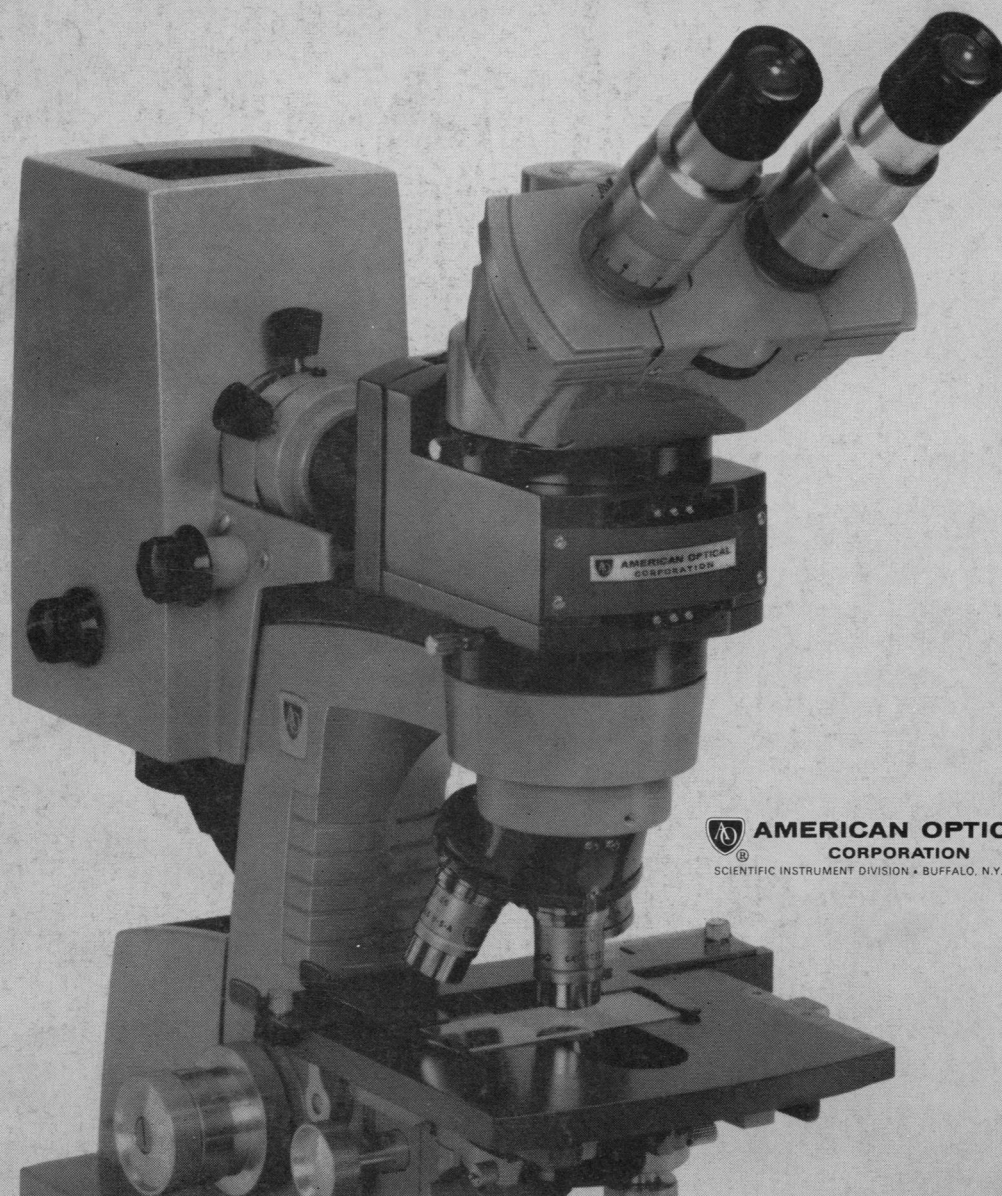
Fluorescence intensity is maximized by excitation with UV incident light regardless of specimen thickness or density. The microscope objective serves as both condenser and objective. Full field coverage is assured, even with the 10X objective.

Exciter, barrier and dichroic filters are turret mounted for dial-in convenience. More than that, they can be identified by touch when working in subdued light.

Convert to conventional transmitted light merely by rotating filter turrets to a neutral position.

See your AO dealer or representative or send for detailed brochure on the AO Vertical Illuminator. If you don't have a MICROSTAR microscope to use it with, we'll be glad to supply information on the Series 10 or 20 also.

**...makes your AO MICROSTAR®  
do the work of two microscopes.**



 **AMERICAN OPTICAL  
CORPORATION**

SCIENTIFIC INSTRUMENT DIVISION • BUFFALO, N.Y. 14215