

BOOKS RECEIVED

(Continued from page 1086)

Hague, 1976 (U.S. distributor, Aldine, Chicago). xii, 556 pp. \$27.50. World Anthropology.

The Realm of the Extra-Human: Ideas and Actions. Papers from a congress, Chicago, 1973. Agehananda Bharati, Ed. Mouton, The Hague, 1976 (U.S. distributor, Aldine, Chicago). xii, 522 pp. \$24.50. World Anthropology.

Ring Theory. Proceedings of a conference, Athens, Ohio, May 1976. S. K. Jain and Klaus E. Eldridge, Eds. Dekker, New York, 1977. viii, 246 pp. Paper, \$24.50. Lecture Notes in Pure and Applied Mathematics, vol. 25.

The Science of Life. Robert Day Allen and 13 others. Harper and Row, New York, 1977. xxvi, 438 pp., illus. \$14.95.

Seawater Desalination. Proceedings of a symposium, Oholo, Mar. 1975. David Hasson and Amiel Dickmann, Eds. National Council for Research and Development, Jerusalem, 1976. 298 pp., illus. Paper, \$10.

Sedimentary Basins of Continental Margins and Cratons. Papers from a symposium, Durham, England, Apr. 1976. M. H. P. Bott, Ed. Elsevier, New York, 1976. vi, 314 pp., illus. \$36.75. Inter-Union Commission on Geodynamics Scientific Report No. 27. Developments in Geotectonics 12. Reprinted from *Tectonophysics*, vol. 36.

Sequency Theory. Foundations and Applications. Henning F. Harmuth. Academic Press, New York, 1977. xiv, 506 pp., illus. \$39.50. Advances in Electronics and Electron Physics Supplements, 9.

Statistical Methods for Social Scientists. Eric A. Hanushek and John E. Jackson. Academic Press, New York, 1977. xiv, 374 pp., illus. \$19. Quantitative Studies in Social Relations.

A Structured Approach to Programming. Joan K. Hughes and Jay I. Michtom. Prentice-Hall, Englewood Cliffs, N.J., 1977. viii, 264 pp., illus. \$15.95.

Syntax and Semantics. Vol. 8, Grammatical Relations. Peter Cole and Jerrold M. Sadock, Eds. Academic Press, New York, 1977. xxiv, 348 pp. \$19.50.

Systems for Large Data Bases. Proceeding of a conference, Brussels, Sept. 1976. P. C. Lockemann and E. J. Neuhold, Eds. North-Holland, Amsterdam, 1977 (U.S. distributor, Elsevier, New York), x, 224 pp., illus. \$24.50.

Take Charge. A Personal Guide to Behavior Modification. William H. Redd and William Sleator. Random, New York, 1977. viii, 184 pp. \$7.95.

Tall Timbers Fire Ecology Conference. Portland, Ore., Oct. 1974. Tal Timbers Research Station, Tallahassee, Fla., 1976. viii, 280 pp., illus. Paper. Proceedings Tall Timbers Fire Ecology Conference No. 15.

Theory and Application of Mathematical Programming. G. Mitra. Academic Press, New York, 1976. x, 214 pp. \$18.

Theory and Practice of Biological Control. C. B. Huffaker and P. S. Messenger, Eds. Academic Press, New York, 1976. xxii, 788 pp., illus. \$42.50.

The Theory of Groups. Marshall Hall, Jr. Chelsea, New York, ed. 2, 1976. xiv, 434 pp. \$9.95.

Theory of Simple Liquids. Jean Pierre Hansen and Ian R. McDonald. Academic Press, New York, 1976. xvi, 396 pp., illus. \$30.65.

The Therapeutic Interaction. Robert Langs. Aronson, New York, 1977. Two volumes.

Vol. 1, Abstracts of the Psychoanalytic Literature. 624 pp. Vol. 2, A Critical Overview and Synthesis. 616 pp. \$50.

The Therapeutic Potential of Marijuana. Proceedings of a conference, Pacific Grove, Calif., Nov. 1975. Sidney Cohen and Richard C. Stillman, Eds. Plenum, New York, 1976. xii, 516 pp., illus. \$25.

Toward the Measurement of Competence in Medicine. John R. Senior. National Board of Medical Examiners and American Board of Internal Medicine, Philadelphia, 1976 (available from Rittenhouse Medical Book Store, Philadelphia). xvi, 88 pp. Paper, \$4.95.

Tree Physiology and Yield Improvement. Papers from a meeting, Edinburgh, July 1975. M. G. R. Cannell and F. T. Last, Eds. Academic Press, New York, 1976. xviii, 568 pp., illus. \$32.75.

Tunable Lasers and Applications. Proceedings of a conference, Leon, Norway, June 1976. A. Mooradian, T. Jaeger, and P. Stokseth, Eds. Springer-Verlag, New York, 1976. viii, 406 pp., illus. \$24.90. Springer Series in Optical Sciences, vol. 3.

Urban Anthropology. Cities in Their Cultural Settings. Richard G. Fox. Prentice-Hall, Englewood Cliffs, N.J., 1977. xiv, 176 pp. Paper, \$5.95.

XIIth I.S.C.E.R.G. Symposium. Clermont-Ferrand, France, May 1974. R. Alfieri and P. Solé, Eds. Junk, The Hague, 1976. viii, 416 pp., illus. Paper, Dfl. 125. Documenta Ophthalmologica Proceedings Series, vol. 10.

Walter C. Alvarez: American Man of Medicine. Compiled by David H. Scott. Van Nostrand Reinhold, New York, 1977. 380 pp. \$8.95.

W. A. Mozart. Der verborgene Abgrund. Alfons Rosenberg. A. Fromm, Osnabrück, 1976. 102 pp. Paper, DM 8. Texte + Thesen, 76.

Wastewater Renovation and Reuse. Proceedings of a conference, Bellagio, Italy, July 1975. Frank M. D'Itri, Ed. Dekker, New York, 1977. xxxiv, 706 pp., illus. \$39.50. Pollution Engineering and Technology, vol. 3.

Was wird aus Afrika? Rassismus, Neo-Kolonialismus, Entwicklungshilfe. Heinz-Dietrich Ortlieb. A. Fromm, Osnabrück, 1976. 112 pp. Paper, DM 8. Texte + Thesen, 74.

Welt ohne Geldsystem? Aufsätze zur internationalen Währungs- und Finanzlage. Franz Aschinger. A. Fromm, Osnabrück, 1975. 84 pp. Paper, DM 8. Texte + Thesen, 64.

Where Hunters Gathered. A Study of Holocene Stone Age People in the Eastern Cape. H. J. Deacon. South African Archaeological Society, Claremont, 1976. xvi, 232 pp., illus. Paper, R 7.50. South African Archaeological Society Monograph Series No. 1.

Wildlife Management in Europe. Anne Innis Dagg. Otter Press, Waterloo, Ontario, Canada, 1977. x, 324 pp. Paper, \$7.

Winter Birds of the Carolinas and Nearby States. Michael A. Godfrey. Blair, Winston-Salem, N.C., 1977. xxxiv, 136 pp., illus. \$24.95.

Witz und Politik. Essay über die Macht und das Lachen. Hans Speier. A. Fromm, Osnabrück, 1975. 94 pp. Paper, DM 8. Texte + Thesen, 58.

Wohlstands-Kriminalität. Die neue Herausforderung. Walter Kerber, Ed. A. Fromm, Osnabrück, 1976. 96 pp. Paper, DM 8. Texte + Thesen, 78.

Your Memory. How It Works and How to Improve It. Kenneth L. Higbee. Prentice-Hall, Englewood Cliffs, N.J., 1977. xiv, 208 pp. Cloth, \$9.95; paper, \$3.95. A Spectrum Book.

Personnel Placement

Personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, or national origin.

Positions Wanted: 40¢ per word; \$10 minimum charge, per insertion. \$4 extra for use of box number. Prepayment required. Rate available only to individuals; personnel agencies, companies, colleges, and universities take display rate for all advertising.

Display (Positions Open, Market Place, and so forth): \$145 per 25 millimeters (1 column inch), minimum, per insertion (25 millimeters equals 10 lines of 50 spaces and characters each). Ads over 25 millimeters billed at \$5.80 per millimeter. No charge for use of box number. Rates net. No agency commission for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information required for all other ads.

Advertising closing is each Wednesday, 3½ weeks before Friday issue date requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005
Telephone: 202-467-4456

Send copy for display ads, 1/6 page and larger, to:

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036
Telephone: 212-736-1858

Blind Ad replies should be addressed as follows:

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

POSITIONS WANTED

Behavior Scientist with outstanding publications record desires position to carry on basic research program. Box 238, SCIENCE. X

Biochemist—Immunochemist, M.S., Ph.D. Experienced in enzymology, immunology, protein chemistry, and nucleic acid. Seeks challenging position in university, hospital, or industry. R. Chen, 758 Bevier Road, Piscataway, N.J. 08854. X

Biologist, candidate for M.S., 1977. Research experience in parasitology. Teaching and practical experience in medical microbiology. Experienced in SEM, histochemistry, photography, and protein electrophoresis. Limited experience in TEM. Seeks position in research, teaching, industry, or government. Contact A. Williams, P.O. Box 256, Mattapoisett, Mass. 02739. X

Chemist/Physicist. Ph.D. 1975; 7 years in atomic and molecular research; 4 years of college teaching in chemical engineering and chemistry and physics department, familiar with proposals. Seeks R & D, teaching, or administrative position. East Coast. Salary negotiable. D. K. Hsu, 415 East 118 Street, Apartment 52, New York 10027. X

Fluid Dynamicist. Ph.D. 1965. Broad analytical/numerical modeling expertise. Journal publications in fluid physics, meteorology, and oceanography. Enthusiastic teacher. Eight years in research project management. Seeks research/teaching position. Box 239, SCIENCE. X

Certified consulting **Meteorologist,** M.S., 20 years of experience-contract research. Areas: environment, energy, military. Skills: technical program development, management. Seeks position in theoretical and/or experimental research. Box 225, SCIENCE.

Plant Ecologist, Ph.D. Seeks teaching position in college or university. Eight years of university teaching experience in ecology, botany, and environmental science. Publications on community classification and environmental assessment. Box 240, SCIENCE. X

Senior Microbiologist, Ph.D., SM (A.A.M.); broad experience in teaching, research, and industry; 40 publications. Desires academic, research, or industrial position. Well-versed in general and pathogenic microbiology, water microbiology, microbial diagnostics, clean room microbiology, and CGMP. Box 241, SCIENCE. X

POSITIONS OPEN

WESTERN CONNECTICUT STATE COLLEGE

Applications from qualified personnel are solicited for the following permanent position on our staff, starting the last week in August 1977. Rank and salary to be assigned on basis of qualifications and experience versus our requirements. Send résumés to **Chairperson, Earth Sciences Department, 181 White Street, Danbury, Conn. 06810.**

AQUATIC AND SEDIMENTARY GEOCHEMIST—Doctorate required. Assignment to graduate and undergraduate courses related to water quality and resources, and marine geochemistry. Participate in interdisciplinary coordination within earth sciences program and participate in normal college committee activities.

Deadline for receipt of applications/résumés: 10 June 1977. *We are an Equal Opportunity Employer and we welcome responses from qualified women and members of minority groups.*

The University of California, Irvine, College of Medicine, Department of Physiology, continues its search for an **ASSISTANT OR ASSOCIATE PROFESSOR.**

Candidates should have demonstrated excellence in research in biophysical aspects of physiology. Preferred areas of research will be complementary to the activities of the existing faculty, such as: excitation-contraction coupling, synaptic transmission, or membrane excitability. The successful candidate will have shown excellence and originality such that he/she can be expected to be a leader in the field of research. Duties include teaching cardiovascular physiology to medical students and conducting courses in biophysics and physiology for graduate students. Candidates should hold the doctorate with postdoctoral research training.

Applications from qualified candidates are welcome; minorities and women are encouraged to apply. Send names of four references and curriculum vitae to: **Dr. Peter F. Hall, Professor and Chairman, Department of Physiology, University of California, Irvine, California 92717** by 24 June.

ASSISTANT PROFESSORS OF ANIMAL SCIENCE (NUTRITION). Rutgers University is seeking two persons with Ph.D. degrees in nutrition. Persons must be interested in teaching at the undergraduate and graduate levels and will be expected to develop dependent research programs in nutrition and to participate in appropriate graduate programs. One position is in the field of equine nutrition and management; the other position is in ruminant nutrition and management, particularly with dairy cattle. Applicants should submit a résumé, transcripts of all college courses, and three letters of reference to **Dr. Joe L. Evans, Department of Animal Sciences, Rutgers, The State University of New Jersey, New Brunswick, N.J. 08903.** Rutgers University is an Equal Opportunity/Affirmative Action Employer.

DARTMOUTH ASSISTANT PROFESSOR NEUROSCIENCES

Applications are invited from neuroscientists, preferably with behavioral and cellular interests, for an anticipated position in a new program in neurosciences, to be developed and offered jointly by the Faculty of Arts and Sciences and the Medical School. Specific departmental affiliation is negotiable, depending on the interests of the successful applicant. Please send curriculum vitae, a brief description of research plans, and the names of three references to: **Chairman, Neurosciences Search Committee, Dartmouth Medical School, Hanover, N.H. 03755.** Dartmouth is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE RESEARCH BIOCHEMIST, Ph.D., biochemistry. The University of California, Davis, is seeking a Ph.D. biochemist with proven experience in pulmonary research with emphasis on (i) macrophage enzymology and (ii) chemical carcinogenesis. This team-research position is available immediately at the academic research level equivalent to assistant professor or higher. Applications will be accepted through 15 June 1977, or later until a suitable candidate is found. Candidates should send a curriculum vitae and three letters of recommendation to **Dr. Gerald L. Fisher, Radiobiology Laboratory, University of California, Davis, California 95616.**

The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN

ASSISTANT PROFESSOR. Possible faculty position in geophysics beginning fall 1978 for a Ph.D. Exceptionally talented individual in theoretical and observational aspects of seismology/tectonophysics. Duties include pursuing active research program and teaching and advising undergraduate and graduate students. Send curriculum vitae and references to **Chairman, Geophysics Department, Stanford University, Stanford, California 94305.** Stanford University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR DEPARTMENT OF ANATOMY

The University of Illinois, College of Medicine, invites applications and nominations for two assistant professorships in the Department of Anatomy of the School of Basic Medical Sciences.

Applicants should be able to carry out research programs and teach in histology and/or neurobiology and cell biology.

Send nominations and applications to: **Chairman, Search Committee, Room 124, 1853 West Polk Street, Chicago, Illinois.** Mailing address: **P.O. Box 6998, Chicago, Illinois 60680.**

The University of Illinois is an Affirmative Action Employer.

ASSISTANT TECHNICAL MANAGER RESEARCH PRODUCTS

Amersham Corporation, a leading supplier of radiochemicals, is seeking an individual with an M.S. in biochemistry (or related field) to answer technical questions from customers on the use of radiochemicals. The ideal candidate will have practical experience in radioactive tracers, LSC, and radiochromatography. Customer service experience is desirable. In addition to an excellent starting salary and benefits, we offer a challenging environment with excellent opportunity for personal development. Send résumé including salary history in confidence to:



**Technical Manager, Research Products
AMERSHAM CORPORATION
2636 South Clearbrook Drive
Arlington Heights, Illinois 60005**
An Equal Opportunity Employer M/F

ASSOCIATE VICE PRESIDENT COMPUTING SERVICES AND INFORMATION SYSTEMS THE UNIVERSITY OF NEW MEXICO

Responsible for management of all University of New Mexico computing functions, including all planning, acquisition, budgeting matters, and prioritized allocation of all computing resources. Responsible for coordination of efforts of several computing center directors with a total staff of approximately 150 employees.

Qualifications are proven ability in managing a medium to large computing organization. Advanced degree desirable. Extensive experience in data processing, systems, and computing required.

Salary range is \$30,000 to \$36,000.

Send résumé, three references, and salary requirements before 30 June 1977 to:

**Delores M. Etter
Chairperson, Search and Screening Committee
1717 Roma, NE, Room 204
Albuquerque, N.M. 87131**

The University of New Mexico is an Equal Opportunity/Affirmative Action Employer.

Position open for a **CLINICAL MICROBIOLOGIST,** Northwestern Memorial Hospital and Northwestern University School of Medicine, Chicago, Illinois. M.D. with experience in directing laboratory of clinical microbiology with a strong academic orientation. Active research program obligatory. Strong background in anaerobic microbiology highly desirable. **Box 235, SCIENCE.**

Position open for **DIRECTOR OF CHEMICAL PATHOLOGY,** Northwestern Memorial Hospital and Northwestern University School of Medicine, Chicago, Illinois. M.D. with experience in directing academically oriented laboratory of chemical pathology. Ph.D. in biochemistry or equivalent experience and a research interest in lipoprotein metabolism highly desirable. Send curriculum vitae to **Box 236, SCIENCE.**

POSITIONS OPEN

ASSISTANT PROFESSOR OF ENTOMOLOGY to conduct teaching and research in insect pest management (systems). Applicants must be well versed in theory and practical aspects of pest management and possess expertise in systems approach to insect population manipulation and mathematical modeling. Ph.D. required. Submit curriculum vitae, transcripts, thesis summary, copies of reprints, and three letters of recommendation to **Chairperson, Department of Entomology, University of California, Davis, Calif. 95616** by 1 September 1977. *An Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF DELAWARE

BIOLOGY POSITION for qualified recent Ph.D., fall 1977, to teach in newly designed University of Delaware Freshman Honors Program. Ph.D., evidence of undergraduate teaching excellence, and qualifications for honors program required. Typical teaching load is 6 hours; one honors course each semester in introductory biology; the other honors course will have interdisciplinary emphasis. Appointees will have advisement responsibilities. Contracts to the Freshman Honors Program will be for a maximum of 4 years with no guarantee that persons leaving the Freshman Honors Program will be offered posts in the Department of Biology. Salary: \$12,000 to \$14,000. *The University of Delaware is an Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae and dossier to: **Professor Merrill Hunt, Freshman Honors Program, University of Delaware, 28 North State Street, Dover, Delaware 19901.**

CHAIRPERSON DEPARTMENT OF ANATOMY

Tufts University, School of Medicine, seeks a distinguished **anatomist** to head a growing department. Candidate must demonstrate accomplishment in science, excellence in teaching, and ability in administration. Interested persons should submit letters of qualifications or curriculum vitae to:

**Chairperson, Anatomy Search Committee
Dean's Office
Tufts University, School of Medicine
136 Harrison Avenue
Boston, Massachusetts 02111**

Tufts University is an Equal Opportunity/Affirmative Action Employer, M/F.

University of Pittsburgh—The School of Dental Medicine is seeking candidates for the **CHAIRMANSHIP** of the Department of Pharmacology-Physiology. The position requires ability and experience in teaching, research, and administration.

Major departmental responsibilities are integrated teaching sequences in the dental, dental assisting-oral hygiene, and advanced dental education curriculums. The department also offers elective courses as part of the preprofessional dental curriculum, a D.M.D./Ph.D. training program in pharmacology, and participation in university-wide graduate offerings. Departmental activities emphasize the application of physiological and pharmacological principles to dental medicine.

Rank and salary will be commensurate with position. *The University of Pittsburgh is an Equal Opportunity Employer. Women and minorities are encouraged to apply.* Interested persons are invited to send curriculum vitae to **Dr. Allan J. Wintner, Assistant Dean, 345 Salk Hall, University of Pittsburgh, School of Dental Medicine, Pittsburgh, Pennsylvania 15261.**

University of Pittsburgh—The School of Dental Medicine is seeking candidates for a **FACULTY POSITION** in the Department of Pharmacology-Physiology. The position requires ability in teaching and research. Major departmental responsibilities are integrated teaching sequences in the dental, dental assisting-oral hygiene, and advanced dental education curriculums. The department also offers elective courses as part of the preprofessional dental curriculum, a D.M.D./Ph.D. training program in pharmacology, and participation in university-wide graduate offerings. Departmental activities emphasize the application of physiological and pharmacological principles to dental medicine.

Rank and salary will be commensurate with position. *The University of Pittsburgh is an Equal Opportunity Employer. Women and minorities are encouraged to apply.* Send curriculum vitae to **Raymond L. Sprecher, Acting Chairman, Department of Pharmacology-Physiology, University of Pittsburgh, School of Dental Medicine, Pittsburgh, Pennsylvania 15261.**

POSITIONS OPEN

Versatile **BIOLOGIST** to teach in a two-person department of a Christian liberal arts college. Principal responsibility in the areas of general and microbiology with additional expertise and willingness to teach genetics, cell biology, and botany. Ph.D. required. Appointment at the assistant or associate professor level, depending on qualifications. Salary range: \$10,000 to \$15,000. Submit curriculum vitae, letter of intent, and the names of three references by 17 June to **Dr. L. C. Lewis, Chairman, Natural Science Area, Sioux Falls College, Sioux Falls, South Dakota 57101**. *Affirmative Action/Equal Opportunity Employer.*

CHAIRPERSON—DEPARTMENT OF BIOLOGY

The Department of Biology, New York University, Washington Square, New York 10003 is seeking a chairperson. Applicants should have an established reputation for excellence in research in any major area of biology and have proven administrative abilities. *New York University is an Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae, list of publications, and the names of three persons from whom we may solicit letters of reference to **R. Borowsky, Chairman, Search Committee**, at the above address by 30 June 1977.

CHAIRPERSON DEPARTMENT OF ZOOLOGY

The Department of Zoology at Miami University is seeking a chairperson for a 5-year renewable term, beginning August 1978. The department, with 30 faculty members, 30 graduate students (M.S./Ph.D.), and approximately 800 undergraduate majors, carries out an extensive program of undergraduate and graduate instruction and research. Applicants must have a reputation for excellence in research and teaching. Inquiries and recommendations are welcome. Prospective candidates should send curriculum vitae and solicit three letters of reference to arrive by 1 October 1977, to:

**Dr. James R. Woodworth, Chairperson
Zoology Search Committee
122 Upham Hall
Miami University
Oxford, Ohio 45056**

An Equal Opportunity/Affirmative Action Employer

DEAN, SCHOOL OF SCIENCE AND TECHNOLOGY SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

Applications and nominations are invited for the position of dean of the School of Science and Technology, Southern Illinois University at Edwardsville. The University is one of two senior public institutions governed by a single board of trustees. The 2600 acre largely commuter campus is located on the edge of the metropolitan St. Louis area. The enrollment for fall 1976 consisted of 9000 undergraduate and 2300 graduate students. The University offers accredited programs in business, dental medicine, education, fine arts and communications, humanities, nursing, science and technology (including engineering), social sciences, human services, and urban and environmental studies.

The School of Science and Technology consists of the departments of biological sciences, chemistry, engineering, mathematical studies, and physics, and has 90 full-time faculty. The school offers 21 bachelor's and master's degree programs.

Minimum requirements for the position of dean are a Ph.D. (or equivalent) in an appropriate science or in engineering, a record of research and publication, and administrative experience.

Applications, accompanied by academic résumés, and nominations should be mailed no later than 30 June 1977 to:

**Dean Search Committee
School of Science and Technology, Box 65
Southern Illinois University
Edwardsville, Ill. 62026**

The University is an Affirmative Action and an Equal Opportunity Employer. Applications from women and minorities are encouraged.

DIRECTOR, RESEARCH & DEVELOPMENT

Position available in large clinical laboratory in central New Jersey. Ph.D., experienced in RIA and related techniques. Must possess ability to effectively supervise and direct with active bench participation. Reply in confidence, including salary requirements, to **Box 237, SCIENCE.**

POSITIONS OPEN

DIRECTOR OF IMMUNOHEMATOLOGY R&D

Major manufacturer in the field of clinical laboratory medicine has outstanding opportunity for innovative scientist to direct product development program in immunohematology and immunological diseases. Successful candidate must have doctorate degree in immunochemistry or immunology, preferably with 5 to 7 years of successful industry experience in immunohematology or immunology R&D. Excellent compensation and incentives. Complete fringe benefits program. Address detailed résumé in confidence to:

**D. F. Barber, Vice President, Personnel
DADE**

**DIVISION AMERICAN HOSPITAL SUPPLY CORP.
P.O. Box 520672
Miami, Florida 33152**

Equal Opportunity Employer M/F

Two positions available at **ASSISTANT PROFESSOR** level. One in **neuroscience** with teaching and commitments in neuroanatomy, and one in **developmental biology** with teaching commitments in microscopic anatomy including cell biology. Doctoral degree, postdoctoral experience, and strong research and teaching interests required. Send curriculum vitae and references to: **Chairman, Department of Anatomy, Box 3011, Duke University Medical Center, Durham, North Carolina 27710**. *An Equal Opportunity Employer.*

ASSOCIATE PROFESSOR, BIOPHYSICAL SCIENCES, State University of New York at Buffalo. Qualifications must include extensive postdoctoral experience in biomedical applications of mass spectrometry and associated chromatographic preparative techniques. Position entails major, though not exclusive, responsibilities in mounting a program in mass spectrometry within a health sciences context. Opportunity exists for novel instrumental development. Teaching in medical school and graduate courses is expected, and instructional experience at this level is desirable. Position available late summer 1977. Please submit curriculum vitae, name of references, and statement of research interests to: **Chairman, Department of Biophysical Sciences, State University of New York at Buffalo, Buffalo, New York 14226**. Applications should be received by 15 June. *The State University of New York is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

DIRECTOR, TOXIC SUBSTANCES ENVIRONMENTAL MANAGEMENT

New York State Department of Environmental Conservation seeks candidates for director of comprehensive program in toxic substances management. Work will include leadership and coordination of statewide program of monitoring, control, and abatement. Experience in applied environmental management essential, and doctoral degree in chemistry, biochemistry, toxicology, or related field preferred. Salary \$30,000, dependent upon qualifications and experience. Résumé and references should be sent to: **Search Committee, Department of Environmental Conservation, Toxic Substances Program, New York State Department of Environmental Conservation, Room 616, 50 Wolf Road, Albany, New York 12233.**

DALHOUSIE UNIVERSITY Halifax, Nova Scotia

DIRECTOR OF THE COLLEGE OF PHARMACY

Applications are invited for the position of director of the College of Pharmacy, Faculty of Health Professions. The director is responsible for the leadership and the administration of the College of Pharmacy. Dalhousie University is the only University providing pharmaceutical education in the maritime provinces of Nova Scotia, New Brunswick, and Prince Edward Island. Appropriate academic and administrative backgrounds are important prerequisites for the position. The appointment will be effective 1 July 1977. Salary level negotiable according to qualifications and experience. Applications and enquiries should be addressed to:

**Dr. R. S. Tonks
Dean, Faculty of Health Professions
Dalhousie University
Halifax, Nova Scotia
Canada B3H 4H7**

POSITIONS OPEN

MONTANA TECH

A specialized, mineral engineering/science, 4-year public college, announces the following anticipated opening for 16 September 1977, pending legislative appropriations. Salary and rank dependent on academic qualifications and experience.

CHEMISTRY: Assistant-associate professor, inorganic chemistry. To teach introductory and advanced courses in inorganic chemistry. Ability and interest in teaching in other areas of chemistry or applied chemistry (geochemistry) and in initiating a modest research program is desirable. Ph.D. in inorganic chemistry required, some college or university teaching and industrial experience preferred. Candidates with mineral engineering/science background given special consideration.

Send résumés, listing five references, by 1 July to:

**Dean of Academic Affairs
Montana Tech
Butte, Montana 59701**

Equal Opportunity/Affirmative Action Employer

Conservation Program Manager

Energy and Environment
Division
Lawrence Berkeley Laboratory
University of California

Applications are invited for a senior scientist/engineer to plan, coordinate and conduct a research, development and demonstration (RD&D) program in energy conservation in buildings.

Candidates should have technical abilities in conservation research and education, imaginative abilities in conceiving and analyzing new approaches, and comprehension of impacts and policy implications of the various energy conservation measures being studied. Significant interaction is expected with ERDA program management and with public, private and professional agencies.

Previous experience in research and/or academic environment desirable. Experience must be supplemented by significant technical contributions and administrative achievements in energy policy and planning. Ph.D. or equivalent experience in relevant scientific or engineering field is desired.

Salary range \$30's to \$40's K. Applications should be submitted to:
**Florence Flint, Personnel Dept.
One Cyclotron Road
Berkeley, California 94720**

LAWRENCE BERKELEY LABORATORY

An Equal Opportunity Employer

POSITIONS OPEN

DIRECTOR GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

A school of the University of Tennessee located in the Biology Division of the Oak Ridge National Laboratory

Candidates are sought for the position of director. The directorship, and five other faculty positions, are appointments of the University of Tennessee. The teaching and research supervision are conducted by these faculty members and the 80 staff members of the Biology Division, an ERDA laboratory 25 miles from the main Knoxville campus. Research emphases include genetics, biochemistry, cell biology and physiology, biophysics, immunology, developmental biology, toxicology, aging, and cancer biology.

The school has approximately 40 graduate students in the Ph.D. program and 35 postdoctoral fellows. The director is primarily responsible for the administration of the graduate program, the development of curriculum, and ensuring the recruitment of new students. The director is expected to maintain a research program, which, if it falls within the programmatic interests of ERDA, may be supported in part by that agency.

Those interested should send a résumé to: **Dr. John S. Cook, Chairman, Search Committee, University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37830.** An Equal Opportunity/Affirmative Action Employer.

National professional society needs **DIRECTOR OF MEMBERSHIP SERVICES AND CONTINUING EDUCATION.** Individual should have experience in developing and administering continuing education programs in the sciences. Position includes working with association newsletter, membership promotion, insurance plans, as well as continuing education programs. Send résumé to: **Dr. William Campbell, Executive Director, American Association for Clinical Chemistry, Box S, 1725 K Street NW, Washington, D.C. 20006.**

DIRECTOR, ELECTRON MICROSCOPY LABORATORY

The central electron microscopy laboratory at Mayo Clinic is a service facility, the purpose of which is to provide EM technical assistance, graduate training, and professional collaborative support in clinical and basic research. The laboratory has one scanning and three transmission electron microscopes. Six technicians are employed.

The position as director involves supervision of the laboratory and the activities of the technicians; teaching graduate students, staff members, and residents; serving as consultant or collaborator to investigators throughout the institution; and conducting a research program.

Candidates should have a Ph.D. degree or equivalent, have completed at least 2 years of postdoctoral training, and have extensive experience in electron microscopy and ancillary techniques. Send curriculum vitae to **Harold L. Moses, M.D., Department of Pathology and Anatomy, Mayo Clinic, Rochester, Minnesota 55901.** An Equal Opportunity/Affirmative Action Institution.

EPIDEMIOLOGIST, CANCER CENTER UNIVERSITY OF HAWAII

Applications are invited for the position of epidemiologist in the epidemiology and demography unit of the Cancer Center of Hawaii. Candidates should have a doctoral degree (M.D., Ph.D., or equivalent) and/or research experience in cancer epidemiology. Primary responsibilities include the planning and direction of research programs within the unit, as well as collaborative activities with other programs of the Cancer Center. Opportunities are also available for teaching in the epidemiology program of the School of Public Health, University of Hawaii. Research interests related to the multiethnic setting of Hawaii are highly desirable. Closing date is 31 July 1977. Salary is negotiable. An Equal Opportunity Employer.

Send curriculum vitae and the names of three references to:

Dr. Laurence N. Kolonel
Associate Director for Epidemiology & Demography
Cancer Center of Hawaii
University of Hawaii
Biomedical Sciences D-102
Honolulu, Hawaii 96822

POSITIONS OPEN

ECOLOGIST

One or two temporary, full-time (September 1977 to May 1978) appointments teaching general ecology laboratories (6 hours per week each), possibly combined with a lower-division lecture, Ecosystems and Man, or a graduate lecture and laboratory. Ph.D. preferred. Salary range: \$13,572 to \$16,320. Send curriculum vitae, statement of research interests, transcripts, and three letters of reference to **Dr. Boyd D. Collier, Chairman, Ecology Program Area, Department of Biology, San Diego State University, San Diego, Calif. 92182.** Closing date is 10 June 1977. Affirmative Action/Equal Opportunity/Title IX Employer.

A small, 4-year college seeks to hire a **GEOLOGIST, CHEMIST or GEOCHEMIST** with expertise in analysis of environmental problems. Candidate should have a strong science background and be able to evaluate economic, social, and political facets of environmental issues. Responsibilities include teaching and fieldwork with students on environmental issues. *Franconia is an Affirmative Action Employer and encourages applications from minority candidates.* Send résumé and letter describing overview of environmental issues to: **Dean of Studies, Franconia College, Franconia, N.H. 03580.**

HEAD, DEPARTMENT OF BIOCHEMISTRY SCHOOL OF BASIC MEDICAL SCIENCES, CHICAGO UNIVERSITY OF ILLINOIS

A new search has been initiated for an established investigator interested in research and teaching of graduate and health science students to serve as head, Department of Biochemistry. The present department consists of faculty with funded, independent research programs. Applications and nominations of individuals committed to excellence in research and education should be addressed to: **Dr. H. Feinberg, Chairperson, Search Committee, Department of Pharmacology, 835 South Wolcott Avenue, P.O. Box 6998, Chicago, Illinois 60680.**

The University of Illinois is an Affirmative Action Employer.

Position in **HUMAN PHYSIOLOGY**—Faculty position in human physiology at instructor or assistant professor level will become available as of September 1977. Duties will include teaching to preclinical students and development of an independent effective research program. Starting salary at \$10,000 to \$12,000. Send curriculum vitae and names of references to **Dr. John Triano, Logan College of Chiropractic, Box 100, Chesterfield, Missouri 63017.** An Affirmative Action/Equal Opportunity Employer.

Position in **HISTOLOGY AND EMBRYOLOGY**—Faculty position in histology and embryology at instructor or assistant professor level will become available as of September 1977. Duties will include teaching to preclinical students. Starting salary \$10,000 to \$12,000. Send curriculum vitae and names of references to **Dr. John Triano, Logan College of Chiropractic, Box 100, Chesterfield, Missouri 63017.** An Affirmative Action/Equal Opportunity Employer.

The Department of Veterinary Anatomy, Pharmacology and Physiology has an open position available immediately for a 3/4-time **INSTRUCTOR** with a D.V.M. degree (starting salary: \$13,000). Applicants are expected to participate in the undergraduate teaching of one of the areas of the department while working toward a Ph.D. degree. Submit curriculum vitae and references prior to 17 June 1977 to **Dr. N. R. Cholvín, Department of Veterinary Anatomy, Pharmacology and Physiology, College of Veterinary Medicine, Iowa State University, Ames, Iowa 50011.** An Affirmative Action/Equal Opportunity Employer.

INSTRUCTOR. The Department of Pharmacology, University of Virginia, School of Medicine, has a position available for an instructor 1 July 1977. Applicants should have a Ph.D. degree in pharmacology or an M.D. degree and a minimum of 2 years of postdoctoral research experience in the area of cyclic guanosine 3',5'-monophosphate metabolism in mammalian tissues. Address inquiries and curriculum vitae to **Dr. Joseph Larner, Chairman, Department of Pharmacology, University of Virginia, Charlottesville, Virginia 22903.** An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITIONS: The Department of Biological Sciences, State University College, Brockport, New York 14420 invites applications for (i) **aquatic ecologist** in quantitative and theoretical aspects of benthic invertebrates; (ii) **vertebrate biologist** with expertise in embryology-histology and anatomy-physiology.

Rank and salary open. Starting date: 29 August 1977. Duties include teaching, supervision of graduate students, and development of a research program. Send curriculum vitae, transcripts, statement of interest, and three references to **Dr. Theodore J. Starr, Chairperson.**

Application deadline: 20 July 1977.

Equal Opportunity/Affirmative Action Employer

MICROBIOLOGIST WITH COMPETENCE IN IMMUNOLOGY

Applications are invited for a tenure-earning position as microbiologist with competence in immunology. Responsibilities will include teaching microbiology courses at the undergraduate and graduate level, including development of immunology courses, and supervising graduate research in area of interest. Candidates should have the Ph.D. degree by 1 September 1977. Appointment (assistant or associate level) and salary commensurate with qualifications and experience. Send résumé, official undergraduate and graduate transcripts, three letters of recommendation, and statement of teaching and research interest to: **Microbiology Search Committee, Department of Biology, The University of Alabama in Huntsville, Huntsville, Alabama 35807.** Deadline for posting applications is 29 July 1977. *The University of Alabama in Huntsville is an Equal Opportunity/Affirmative Action Institution.*

NEUROBIOLOGIST, M.D., Ph.D., or equivalent at the instructor and assistant professor level. Preference will be given to those who can teach gross anatomy. The candidate should also be able to assist in the medical and graduate teaching programs in an integrated neurosciences curriculum. Independent research is emphasized. Salary and rank to the assistant professor level depends on qualifications and experience. This program emphasizes multidisciplinary approaches to both the investigation and the teaching of the nervous system. Areas within the program include neuroanatomy, neurophysiology, neurochemistry, and gross anatomy. Send applications and curriculum vitae plus three references to **Dr. Joe G. Wood, Department of Neurobiology and Anatomy, The University of Texas Medical School at Houston, P.O. Box 20708, Houston, Texas 77030.** An Equal Opportunity/Affirmative Action Employer.

NUTRITIONAL SCIENTIST: academic position in a clinical department. Candidates should be accomplished investigators and teachers in ruminant nutrition, utilization of noncompetitive feedstuffs, and metabolic aspects of urea utilization.

Send curriculum vitae to:

**Chairman, Department of Clinical Studies
School of Veterinary Medicine
University of Pennsylvania
3800 Spruce Street
Philadelphia, Pennsylvania 19104**

PALYNOLOGIST-POSTDOCTORAL POSITION

Opportunity for palynologist in laboratory of Professor E. S. Deevey, Florida State Museum. Background in pollen identification, tropical vegetation and stratigraphic interpretation, and electron microscopy expected. Latin American background preferred. Anticipated starting date: 1 September 1977. Address inquiries to:

**Chairman, Department of Botany
University of Florida
Gainesville, Florida 32611**

PHARMACOLOGIST-TOXICOLOGIST

Ph.D. with 2 years of postdoctoral experience to do research in toxicology-drug metabolism area with a group in toxicology. Some experience with analytical techniques is desirable. Medical pharmacology teaching is involved. Send inquiry, curriculum vitae, names of references to: **James M. Fujimoto, Ph.D., Department of Pharmacology, Medical College of Wisconsin, 561 North 15th Street, Milwaukee, Wisconsin 53233.** An Equal Opportunity Employer, M/F.

POSITIONS OPEN

MICROBIOLOGIST OR CELL BIOLOGIST. Applications are invited for a professional position with rank and salary negotiable. Available 1 September 1977 or at a more convenient later date. Applicants must have a strong commitment to research in molecular biology as exemplified by significant publications. The successful candidate will be expected to show competence in teaching general microbiology and/or advanced courses in the genetics or physiology of prokaryotes. Persons applying at the senior level should have record of consistent extramural research support. Please state specific areas of projected research. Send curriculum vitae and four letters of recommendation to:

L. N. Zimmerman, Head
Department of Microbiology and Cell Biology
The Pennsylvania State University
S101 Frear Building
University Park, Pa. 16802

The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGIST-BIOPHYSICIST-CELL BIOLOGIST with potential or record of independent research and support. Basic interests allied to oxygenation/metabolism of fetus/newborn at western medical school. Send curriculum vitae to

Dr. Gordon Power
Department of Physiology
Loma Linda University School of Medicine
Loma Linda, Calif. 92354

POSTDOCTORAL POSITION: available 1 July 1977 for 1 or 2 years to study neural and peripheral transmitters as related to several behavioral models and various biochemical correlates. Ph.D. in pharmacology preferred but background in biochemistry and/or physiology acceptable. Send curriculum vitae and personal references to:

Dr. W. R. Wooles, Chairman
Department of Pharmacology
School of Medicine
East Carolina University
Greenville, N.C. 27834

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

POSTDOCTORAL POSITION in muscle physiology and biochemistry. Immediate opening for individual to work on comparative muscle fine structure, mechanics, and/or biochemistry. Background in physiology desirable. Salary \$12,000 to \$14,000 depending on experience. Send curriculum vitae and names of three references to: **Dr. M. M. Dewey or Dr. B. Walcott, Department of Anatomical Sciences, Health Sciences Center, State University of New York, Stony Brook, New York 11794. Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available to work on mechanisms of tolerance or sensitivity in plant pathogenic fungi to isoflavonoid phytoalexins. Applicant should have a Ph.D. in a discipline which stresses an understanding of microbial physiology or biochemistry. Salary: \$11,500 with fringe benefits. Appointment for 1 year; renewal possible. Applications will be accepted until 1 July. Send curriculum vitae, transcripts, and three letters of recommendation to: **Dr. Hans D. VanEtten, Department of Plant Pathology, Cornell University, Ithaca, N.Y. 14853.**

POSTDOCTORAL POSITION—Biochemist to study the interaction of membrane-active chemicals with biological membranes. Research background in membrane biochemistry desirable. Salary up to \$12,000. Send curriculum vitae and names of three references, before 30 June 1977, to: **Dr. Terry L. Miller, c/o Lewis G. McLaren, Administrative Assistant, Department of Agricultural Chemistry, Oregon State University, Corvallis, Oregon 97331. An Affirmative Action/Equal Opportunity Employer.**

PRE- AND POSTDOCTORAL

Positions are available for studies on the protein synthesizing system with special emphasis on ribosomes—topography, biogenesis, and function under various conditions of growth and development. Teaching opportunities available.

Reply with résumé to: **Professor Bruce H. Sells, Laboratories of Molecular Biology, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7.**

POSITIONS OPEN

NATIONAL BIOMEDICAL ESR CENTER

ORGANIC CHEMIST OR BIOCHEMIST for research on melanin structure and function using ESR techniques. Will also spend about 40 percent of time in collaborative research with visiting scientists at the center. Salary: \$13,000 per year; research associate classification. Send résumé and names of three references to: **J. Hyde, Ph.D., or H. Swartz, M.D., Ph.D., Medical College of Wisconsin, Box 186, 8700 West Wisconsin Avenue, Milwaukee, Wisconsin 53226. An Equal Opportunity Employer, M/F.**

PULMONARY PHYSIOLOGY RESEARCH

Research position available in field of mammalian pulmonary physiology at the Toxic Hazards Research Unit, Wright-Patterson Air Force Base, Dayton, Ohio. This position will have an adjunct professorship of appropriate rank in the University of California, Irvine. Collaborative research conducting physiologic studies in animals exposed to airborne materials of environmental/occupational interest. Requires Ph.D. in physiology or related field and 2 years of postdoctoral research, experienced in pulmonary measurements in intact laboratory animals. Preference given applicants experienced in inhalation toxicology and published independent work. Opportunities to participate in training of graduate students of University of California, Irvine, may be available. Closing date for applications is 11 July. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Submit complete curriculum vitae and names of at least three references to: **Dr. J. D. MacEwen, University of California, Irvine, Toxic Hazards Research Unit, Overlook Branch, P.O. Box 3067, Dayton, Ohio 45431.**

PHARMACEUTICAL Preclinical Research Assistant

Adria Laboratories, a newer ethical pharmaceutical firm with a phenomenal record of success, has an outstanding career opportunity for an individual with a B.S. degree in biology or a related field and approximately 7 years technical/supervisory experience in a pharmaceutical toxicology laboratory.

The position is responsible for monitoring studies conducted by outside laboratories, maintaining schedules and reporting the status of the studies, and maintaining required record systems.

This is an excellent opportunity to work in a professional environment, where contributions are recognized and the potential for growth is far above average. Approximately 25% initial travel.

Send resume and salary history to Gerald Brown

Adria

LABORATORIES INC.

1105 Market St.
Wilmington, Delaware 19899

An equal opportunity employer, M/F

ASSOCIATE SCIENTIST

Hoffmann-La Roche, an internationally renowned producer of pharmaceuticals, fine chemicals, and health care products has an outstanding opportunity.

We're seeking an associate scientist with an M.S. and a minimum of 3 years of experience or a B.S. with a minimum of 6 years of experience or equivalent in isolation and identification of drug metabolites. Capability in all areas of chromatography would be helpful.

Roche offers an outstanding corporate package within a varied and stimulating research atmosphere located in suburban Nutley, New Jersey. Roche provides an on-going environment that encourages personal and professional growth and rewards energetic performance.

Please send résumé in confidence stating salary history and requirements to: **Edward C. Messack, Associate Employment Manager, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. An Equal Opportunity Employer, M/F.**

ROCHE

HOFFMANN-LA ROCHE Inc.

POSITIONS OPEN

POSTDOCTORAL available 1 June for studies of the proteins and mechanism of potassium transport in *E. coli*. Send résumé to: **Dr. Wolfgang Epstein, Department of Biochemistry, University of Chicago, 920 East 58th Street, Chicago, Ill. 60637.** From the time of its original charter, the principle of the University of Chicago has been to appoint scholars without regard to race, color, religion, sex, or national origin.

RESEARCH ASSISTANT now. Three years, to 31 March 1980. Two years of postdoctoral experience needed. To work on the biophysics of the human erythrocyte in health and disease. \$12,960 to \$14,472. Send curriculum vitae and names of three referees to

**Head, Division of Medical Biophysics
Faculty of Medicine
University of Calgary
Calgary, Alberta, Canada T2N 1N4**

RESEARCH ASSOCIATE (POSTDOCTORAL)

Research associate (postdoctoral) position available 1 July 1977 at the University of Washington, Department of Oceanography, for study of dynamics of mesoscale ocean eddies. Primary activity will be to develop theoretical interpretation of polymodal local dynamics experiment to be carried out in 1978. Research will require knowledge of statistical theories of data analysis and familiarity with theories of mesoscale eddies. Candidate will be expected to acquire this background if he does not possess it. The work will be carried out jointly at the University of Washington and the National Center for Atmospheric Research. Although the person will be mainly in residence at the University of Washington, the person will be expected to spend time at both institutions. Send curriculum vitae and four letters of recommendation to **Dr. R. T. Merrill, Chairman, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195.** The University of Washington is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE— REGULAR APPOINTMENT

Ph.D. or D.V.M., Ph.D. Nutritional biochemistry background, research in area of diabetes and neonatal enteritis. Experience with domestic animals, surgery, radioisotopes, and enzyme kinetics is necessary. Résumé, reprints of publications, and three names of references should be sent no later than 1 July 1977 to **Dr. R. W. Phillips, Department of Physiology and Biophysics, Colorado State University, Fort Collins, Colorado 80523.**

Colorado State University is an Equal Opportunity Employer and complies with Title IX requirements. Complaints should be filed with the Office of Equal Opportunity, Student Services Building.

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)

SENIOR BIOCHEMIST (Ref. No. 77/892/56)

A vacancy exists for a senior biochemist in the Cerebral Biochemistry Division of the National Food Research Institute in the Republic of South Africa.

Sound experience in modern protein and enzyme techniques is essential whilst experience of plant biochemistry would be desirable.

Excellent laboratory and library facilities are available.

Salary: up to \$11,000, plus 10 percent pensionable allowance.

Conditions: service conditions include: 5-day week; vacation bonus; 39 days annual leave; generous sick leave privileges; pension; group insurance; medical aid scheme; housing subsidy; staff association and recreation facilities; all public holidays including days between Christmas and New Year. The appointment can be made either on a permanent or on a contract basis.

The personal traveling expenses of the successful applicant and his or her family, reasonable cost of packing, transport to the Republic of South Africa, and insurance of personal effects in transit will be borne by the CSIR.

For further information and the prescribed application form, please telephone Washington, D.C., 202-833-3860. Alternatively, an application form may be obtained from: **Office of the Scientific Counsellor, 3rd Floor, 2555 M Street, NW, Washington, D.C. 20037.** Closing date: 30 June 1977.

POSITIONS OPEN

PROGRAM MANAGER— POLAR BIOLOGICAL SCIENCES

The National Science Foundation, Division of Polar Programs, is seeking qualified applicants for the position of program manager for polar biology and medicine. This position is excepted from the competitive civil service and is equivalent to a GS-14, \$28,725 per annum, or GS-15, \$33,789 per annum, position. Applicants should have a Ph.D. in one of the biological sciences plus several years of academic research or graduate teaching experience. A broad general knowledge of the field, experience or familiarity with current polar research, and administrative experience are also required. Applicants should submit a statement of interest and Standard Form 171 to the **Division of Personnel and Management, Attention: Section III, Room 212, 1800 G Street, NW, Washington, D.C. 20550; telephone: 202-632-4106.** Applications must be received no later than 31 August 1977. An Equal Opportunity Employer.

RESEARCH ASSISTANT IN BIOCHEMISTRY

Seeking individual with M.S. or B.S. degree in biochemical discipline and experience in radioimmunoassay and neurochemical methods. The individual will be responsible for setting up, modifying, and carrying out specialized chemical procedures for the assay of cyclic nucleotides, hormones, and neurotransmitters in biological tissues. Starting salary: \$9,050 to \$9,550. Position to be filled by mid-July. Qualified individuals please send curriculum vitae and three letters of recommendation to **Director, Neurosciences Research Unit, Department of Psychiatry, University of Vermont College of Medicine, Burlington, Vermont 05401.** An Equal Opportunity Employer.

RESEARCH FELLOW

A position is available in the Department of Biochemistry, Scripps Clinic and Research Foundation, for a research fellow beginning 1 September 1977. Ph.D. degree in molecular biology or genetics is required. The area of study is the interaction between mitochondrial and nuclear genes in the assembly of mitochondrial membranes in *Neurospora*. Interested persons should send a curriculum vitae including the names of three references to: **Dr. David L. Edwards, Department of Biochemistry, Scripps Clinic and Research Foundation, 476 Prospect Street, La Jolla, California 92037.**

TOXICOLOGIST

Inhalation toxicologist needed to join a multidisciplinary team investigating the health effects of environmental/occupational exposures. Applicants should have a doctorate degree in toxicology, pharmacology, or a related field and experience in respiratory exposure of laboratory animals. Send résumés to **M. L. Bradley, Enviro Control, Inc., 11300 Rockville Pike, Rockville, Maryland 20852.**

An Affirmative Action/Equal Opportunity Employer

SYMPOSIUM

ENERGY AND ENVIRONMENTAL STRESS IN AQUATIC SYSTEMS

2 to 4 November 1977, Augusta, Georgia

The Savannah River Ecology Laboratory, in cooperation with the University of Georgia's Institute of Ecology, the U.S. Energy Research and Development Administration (ERDA), and the National Environmental Research Park program, will host an ecological symposium on environmental stress in freshwater and marine systems. Session topics and invited speakers will include:

Contamination From Fossil Fuels: Carl W. Gehrs, Oak Ridge National Laboratory
Heavy Metal Pollution: Ronald Eisler, EPA, Narragansett, R.I.

Modeling Environmental Stress: Robert E. Ulanowicz, Chesapeake Biological Laboratory
Natural Stressors and Environmental Fluctuations: Ariel Lugo, University of Florida
Synergistic Stresses: F. John Vernberg, University of South Carolina

Thermal Ecology: Gerald W. Esch, Wake Forest University

Abstracts of 200 words or less are due by 15 July 1977. Manuscripts submitted for publication must be received by 1 September 1977. Send abstracts and inquiries to: **Dr. James H. Thorp, Symposium Chairman, Savannah River Ecology Laboratory, Drawer E, Aiken, S.C. 29801.**

POSITIONS OPEN

Marine Institute **DIVISION DIRECTORS** for large state teaching and research institution. Requires Ph.D. in marine science or related field and 3 years of experience in marine research, teaching, and administration. \$22,400 to \$28,000 annually, plus state benefits. An Equal Opportunity Employer. Send résumés and statements of interest to:

**Dr. William J. Hargis, Jr., Director
Virginia Institute of Marine Science
Gloucester Point, Virginia 23062
Telephone: 804-642-2111**

REQUEST FOR PROPOSALS

GRANTS FOR FIELD RESEARCH

The Center for Field Research invites applications from postdoctoral investigators in the humanities, natural, social, and medical sciences. Field research projects must include nonspecialists as volunteer support staff. Funds are available for United States and foreign projects. Write for information to: **Applications Desk, Center for Field Research, 10 Juniper Road, Box 127, Belmont, Mass. 02178.**

Large private corporation is searching for **RESEARCH PROPOSALS** oriented toward the psychosociological well-being of domestic dog and dog owner relationships. The request is purposely broad in order to solicit as many new research proposals as possible. For further information, please contact:

Box 154, SCIENCE

FELLOWSHIPS

HARVARD UNIVERSITY DEPARTMENT OF BIOLOGY

POSTDOCTORAL RESEARCH FELLOWSHIPS become available from time to time in this department. Appointments are usually for 1 year and sometimes renewable. Those interested should write to a member of the biology faculty in whose laboratory they would like to work, or for general information, to **Chairman, 16 Divinity Avenue, Cambridge, Mass. 02138.** Harvard University is an Equal Opportunity/Affirmative Action Employer.

PEDIATRIC CANCER PHARMACOLOGY FELLOWSHIP

United States citizen or permanent resident with M.D. or equivalent. Ph.D. in scientific disciplines relevant to cancer pharmacology or biochemistry will also be considered. Research programs include study of drug effects on human lymphocytes and lymphoblasts and basic and clinical study of new antitumor agents. Contact **John Holcenberg, M.D., Director of Pharmacology, Midwest Children's Cancer Center, Milwaukee Children's Hospital and Medical College of Wisconsin, 1700 West Wisconsin Avenue, Milwaukee, Wisconsin 53233.** Equal Opportunity Employer, M/F.

MARKET PLACE

MICROBALANCES

Digital or Recording

PERKIN-ELMER

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.**

DIVISION LEADER

CONTROLLED THERMONUCLEAR RESEARCH

Require an experienced plasma scientist, preferably with a strong background in both theoretical and experimental work. It is further desirable that the applicant have management experience compatible with all aspects of operating a large division of research scientists and engineers, including the development of annual and long-range programs and the interactions with headquarters staff and national peer groups. Must be fully knowledgeable of the national and international magnetic-fusion energy efforts and the primary proponents of these programs. Considerable importance will be placed on assurances of smooth interlaboratory and agency relationships and on the early recognition of technical and other problem areas. Important factors to be considered will be initiative, innovative capacity or recognition of the same in others, and overall evaluative capability.

Send complete resume or request application from:

R. Lynn Wilson, Recruiting Director
Division -77-GG

Los Alamos Scientific Laboratory

P. O. Box 1663

Los Alamos, New Mexico 87545



AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
MINORITIES, WOMEN, VETERANS, HANDICAPPED, URGED TO
APPLY U. S. CITIZENSHIP REQUIRED

CLINICAL DIRECTOR NATIONAL INSTITUTE OF DENTAL RESEARCH

The National Institute of Dental Research is seeking a Clinical Director for the Intramural Research Program. The incumbent of this position will be responsible for directing and evaluating the Institute's present multi-disciplinary activity in clinical research and for developing a major program in the prevention, diagnosis and treatment of periodontal disease. He/she also will have responsibility for all matters, both professional and administrative, relating to the care of patients in the Institute's Dental Clinic.

Applicants should have a D.D.S. or D.M.D. degree (or equivalent) and specialty training in periodontology. The position requires a high degree of scientific knowledge, leadership and executive ability.

Position will be filled by appointment to the U.S. Public Health Service Commissioned Corps or to a top U.S. Civil Service Grade, salary ranging up to \$47,500 depending upon qualifications. (Selection for and classification of the Civil Service position are subject to Civil Service Commission Approval.) Letters of interest, SF-171 Personal Qualifications Statement, curriculum vitae, and bibliography should be sent by July 15, 1977 to the chairman of the Search Committee: Dr. Helmut A. Zander, c/o Dr. Marie Nysten, National Institutes of Health, Public Health Service, Building 30, Room 211, 9000 Rockville Pike, Bethesda, Maryland 20014. Telephone: (301) 496-1483.

NATIONAL INSTITUTES OF HEALTH

An Equal Opportunity Employer M/F.

PHARMACOLOGY

Ortho Pharmaceutical Corporation, a Johnson & Johnson Company, has begun to restructure and expand our Pharmacology Division to complement our interest in the research and development of diversified drug categories.

Under the direction of Dr. Marvin Rosenthal, we plan to expand our present staff with innovative scientists skilled in the following areas: GASTRO INTESTINAL, CARDIO-VASCULAR, PULMONARY and INFLAMMATORY. Specifically, we are now seeking to fill the following positions.

GROUP LEADER (GI)

Requires a Ph.D and a minimum 5 years industrial experience in anti-secretory, motility and related areas.

SCIENTIST (CARDIOVASCULAR)

Requires a Ph.D. with 0-3 years post doctorate or industrial experience, preferably dealing with the electrophysiological aspects of the CV systems.

SCIENTIST (CNS/AUTONOMIC)

Requires a Ph.D. with 0-3 years industrial and/or post doctorate experience in the areas of GI/Autonomic and/or CNS

SCIENTIST (PULMONARY-IMMEDIATE HYPERSENSITIVITY)

Requires a Ph.D. with 0-3 years industrial and/or post doctorate experience in the broad area of atopic disease.

SCIENTIST (INFLAMMATORY-DELAYED HYPERSENSITIVITY)

Requires a Ph.D. with 0-3 years industrial and/or post doctorate experience in chronic immunological disease states, ie: osteo and rheumatoid arthritis.

Ortho is located in central New Jersey and offers a stimulating environment geared to personal and professional growth with opportunities for advancement based on job performance.

Qualified candidate should forward their curriculum vitae in strictest confidence to Robert T. Moran, Director of Selection and Compensation.



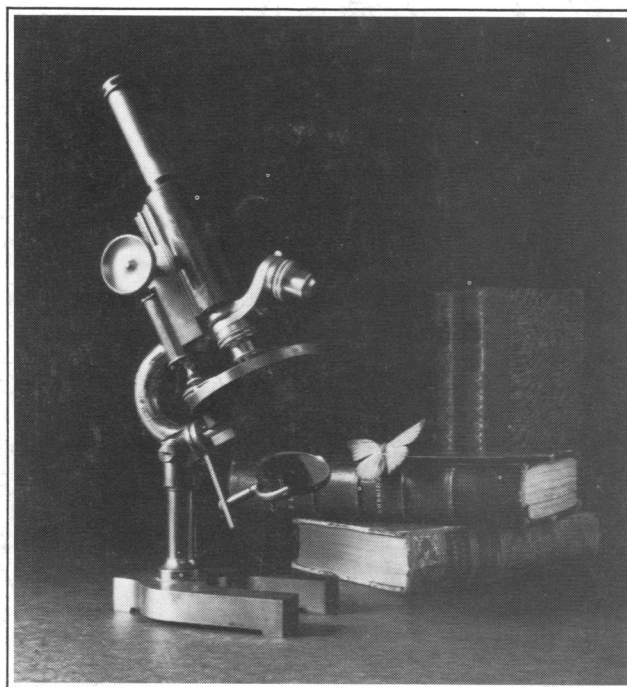
ORTHO PHARMACEUTICAL
CORPORATION

Route 202, Raritan, New Jersey 08869

(A Johnson & Johnson Company)

an equal opportunity employer M/F

Instruction is to be Given at Amherst, Massachusetts in August, 1977 on the Skillful Use of that Important Tool of Science, the Microscope



And we are not giving it. Nor is any other Commercial Interest. Microscopy was once considered an academic discipline on its own. Nowadays one is usually expected to learn it by a glance at the instruction booklets that the microscope sales representative left. Do not blame the rep for the widespread belief that in skill and patience required for optimum operation, a microscope is more comparable to an electric toaster than to a French horn.

The folly in such a belief distresses the Royal Microscopical Society (founded in 1839) and the New York Microscopical Society (founded in 1877). In celebration of the latter's centenary, the former will have its faculty in residence at the University of Massachusetts to teach modern light microscopy August 15-19 and photomicrography August 22-26. These courses will be run at the same level as the Royal Microscopical Society Diploma courses and will be cosponsored by the two societies. For registration information, one should communicate well in advance with Dr. Marion B. Rhodes, Department of Chemistry, Graduate Research Tower, U. of Mass., Amherst MA 01003.

Photomicrography is, of course, the means by which microscopy is transformed from a subjective pursuit to an objective one. Furthermore, it demands better adjustment of the instrument than the operator can get away with when there is nobody else looking down the tube to question interpretations.

For getting started in photomicrography with a bit less *éclat* than by a Royal Microscopical Society Diploma course, we and many thousands of others would recommend Kodak Publication P-2, "Photography Through the Microscope" (cover price \$3.25, order from your photo supplier).

Those who got started in it long ago may find stimulation to higher achievement in the two volumes of R. P. Loveland's "Photomicrography: A Comprehensive Treatise" (Wiley, 1970). (The author was one of us, now retired from Kodak Research Laboratories.)

For 35 mm photomicrographic color slides in bright field with tungsten or tungsten-halogen lamps, we recommend KODAK EKTACHROME 50 Professional Film (Tungsten); for 'scopes with xenon lamps, KODAK EKTACHROME 64 Professional Film (Daylight) or KODACHROME 25 or 64 Film (Daylight). These Ektachrome films are designed for the quick and simple process E-6, which can be "pushed" one stop in speed by you or a processor. This also increases contrast somewhat, to the advantage of most photomicrographic subjects.

For fluorescence work, use KODAK EKTACHROME 200 Professional Film (Daylight), which can be "pushed" one or more stops for a better chance of recording weak or fleeting fluorescence.

To cut the long exposure times often encountered in low-power photomicrography by reflected light, choose KODAK EKTACHROME 160 Professional Film (Tungsten).

For very thin sections, weak stains, or where much contrast enhancement is wanted, the experienced photomicrographer—not the tyro—should try KODAK Photomicrography Color Film 2483.

For general black-and-white photomicrography on 35 mm film, KODAK PANATOMIC-X Film should do quite nicely. For a bit of extra contrast, increase development by 15 to 30%. For a lot more contrast, turn to KODAK Technical Pan Film, S0-115. B/W photomicrography is much tougher than making color slides. The expert's reputation is built by experience in juggling exposure, filtration, and processing.

