

Personnel Placement

Only those employers and individuals who do not discriminate on the basis of race, sex, religion, age, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies, companies, colleges, and universities take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 11 lines of 52 spaces each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-½ weeks before issue date (Friday of each week) 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

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

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Analytical Chemist: B.S. 1967. Seeking R & D position doing materials analysis and characterization. No agencies please. Box 159, SCIENCE.

4/9, 16, 23

Anatomy. Ph.D. Three years of college teaching experience in anatomy and physiology, histology, and embryology. Trained in electron microscopy. Seeking teaching position. Box 168, SCIENCE.

X

Biochemist, Ph.D., Rochester, 1963. Transfer RNA chemistry, nucleic acids, antimetabolites, medical school teaching. Seeks university/college or private research position, anywhere. Dr. R. D. Faulkner, 2424 North Ridge Drive, Gautier, Mississippi 39553. Telephone: 601-497-4466.

X

Biochemist, Ph.D. 1972. Postdoctoral experience in biochemical endocrinology, polypeptide hormone receptors, cyclic AMP, prostaglandins. Desires staff or faculty position in neuroendocrinology, hormone action, or clinical endocrinology research. J. G. Kenimer, Department of Biochemistry, Georgetown University, Washington, D.C. 20007.

X

Two **Biochemists**, married couple. Both doctor's degree, June 1976, lab of Professor Pfeleiderer, Germany. Experienced in organic synthesis, enzymology, and protein chemistry. Publications. Seek postdoctoral positions. Box 169, SCIENCE.

X

Ph.D. **Biomedical Engineering** (1971), MSEE. Five years of multidisciplinary experience in electrophysiology, psychophysics, medical physiology, food technology, electronic control systems. Desires academic/industrial research or teaching position. Box 170, SCIENCE.

X

M.D., Ph.D. (**Biomedical Engineering**), with background in modeling, instrumentation, control theory, endocrinology, and programming. Seeking basic research/research management position. Available 1977 after 2 years of Ob-Gyn residency. Box 171, SCIENCE.

X

POSITIONS WANTED

Cell Biologist/Virologist. Ph.D. Research has been in molecular biology of mammalian cell cycle, mitochondrial biogenesis, viral replication, and interferon. Postdoctoral fellowship, grants, publications. Interests are diverse and flexible. Seeks position in stimulating environment—teaching/research, government, or industry. Box 172, SCIENCE.

X

Ph.D. **Chemist.** Analytical instrumentation (GC, GC-MS, HPLC, AA, IR, UV, and so forth) and high vacuum system applied in separation-identification of environmental trace materials. Radiation and photochemistry publications. Box 173, SCIENCE.

X

Gastrointestinal Physiologist. Ph.D. 1974, plus 2 years of postdoctoral research, seeks research position with active group. Curriculum vitae supplied on request. Available September 1976. Box 151, SCIENCE.

X

Law/Biology. M.S., J.D., 1974. Seeks interdisciplinary teaching and/or academic administrative position. Teaching and publications in biology. Law review and private practice in law. Résumé and references available. David Peterson, 210 Vallejo Street, Petaluma, California 94952.

4/9, 16, 23

Microbial/Plant Ecologist seeks academic position. Ph.D. 1974. Teaching experience in biology, botany, ecology. Publications. Box 174, SCIENCE.

X

Neurophysiology/Neuroanatomy: neuroscientist seeks advanced postdoctoral training in neurophysiological and/or neuroanatomical techniques used to study visual and multimodal systems in cats and primates. Background includes extra- and intracellular recording, autoradiography, and electronics. Box 175, SCIENCE.

X

Pharmacologist, Ph.D. (neuropharmacology). Experience with electrophysiological techniques. Publications. Seeks research and/or teaching position. Box 176, SCIENCE.

X

Physiologist, Ph.D. (August 1976). Desires teaching position with research possible. Research/teaching experience in animal physiology (marine invertebrate nutrition); comparative animal, ecological, organismic, cellular physiology; invertebrate zoology; mechanism/regulation of amino acid, monosaccharide, fatty acid transport, radiochemical techniques. Available September 1976. Box 177, SCIENCE.

4/9, 16

Protein/Bioanalytical Chemist, Ph.D. Five years of experience in isolation and characterization of contractile and membrane proteins, bacterial hydrolases, and water-soluble vitamins. Interests include biospecific chromatography, immobilized enzymes, synthesis of HPLC stationary phases and new techniques of electrophoretic separation. Background: some laboratory supervisory and administrative experience. Seeks position requiring a creative, problem-solving individual in medical, academic, or industrial research program. Box 178, SCIENCE.

4/9, 16

Technical Director Type Agchem. Ph.D. biochemistry 1956. Experienced line manager R & D, corporate level (agricultural chemistry, food, feed, government regulations), consulting (some foreign), general manager of profitable \$7 million gross agribusiness. Interested in consulting or employment. Box 179, SCIENCE.

4/9, 16

POSITIONS OPEN

ANATOMIST—EMBRYOLOGIST

Ph.D. in Biology to teach comparative anatomy, embryology, histology and assist in general biology. Nine month academic year starting 1 September 1976. Salary and rank dependent upon qualifications. Send curriculum vitae, transcripts, salary requirements, and the names of three references to: Dr. Gary Larson, Chairman, Biology Department, Bethany College, Bethany, West Virginia 26032.

POSITIONS OPEN

YALE SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES

Assistant professor in quantitative and systems aspects of ecology to teach and undertake research in a graduate program emphasizing the science of terrestrial ecosystems and its application to environmental management. Ph.D. required. Salary commensurate with qualifications. Position can be filled as early as 1 September 1976. *Yale University is an Equal Opportunity/Affirmative Action Institution and offers special encouragement to women and minority groups.* Address inquiries and résumés to: F. T. Ledig, School of Forestry and Environmental Studies, Yale University, 370 Prospect Street, New Haven, Connecticut 06511. Telephone 203-436-0020.

The University of Minnesota Medical School, Minneapolis, invites nominations and applications for a faculty position at the rank of **ASSOCIATE PROFESSOR OR PROFESSOR** for an endowed chair in the field of rheumatic diseases. This position requires a physician-medical scientist holding the M.D. degree; Ph.D. degree in addition is desirable, but optional. Specialty training and postdoctoral fellowship or equivalent research training are desirable. Candidates should have clinical and research experience in basic mechanisms of pathogenesis of connective tissue diseases. Leadership in academic medicine should be demonstrated by scientific research and strong commitment to undergraduate and graduate medical education. Inquiries, including a curriculum vitae, should be sent to Dr. Alfred Michael, Chairman of Search Committee, Department of Pediatrics, Mayo Box 491, University of Minnesota Medical School, Minneapolis, Minnesota 55455. *An Equal Opportunity/Affirmative Action Employer.*

CHAIRPERSON DEPARTMENT OF ENTOMOLOGY

Applications are invited from individuals with a strong background in agricultural or economic entomology and an established reputation in research. Administrative experience helpful, but not necessary. The candidate must be able to effectively interact with commodity groups and University administration. Salary and rank commensurate with experience. Inquiries should be addressed to: Dr. Henry H. Hagerdorn, Search Committee, Department of Entomology, Fernald Hall, University of Massachusetts, Amherst, Mass. 01002. *The University of Massachusetts is an Equal Opportunity/Affirmative Action Employer.*

DEAN OF COLLEGE OF SCIENCE FLORIDA ATLANTIC UNIVERSITY

Applications and nominations are invited. Candidates should possess a doctorate and have a record of achievement in one of the following disciplines which are taught in the College: biology, chemistry, experimental psychology, geology, mathematical sciences, and physics. Administrative experience is desirable.

Florida Atlantic University is an upper-division and graduate institution in the State University System.

Candidates should submit two copies of curriculum vitae and three letters of reference by 30 April 1976, to:

Dr. Roy B. Levow, Chairman
Dean Search Committee
College of Science
Florida Atlantic University
Boca Raton, Florida 33431

An Equal Opportunity/Affirmative Action Employer

DIRECTOR, STANFORD OUTDOOR PRIMATE FACILITY

To develop outstanding interdisciplinary program linking social and biological sciences related to the study of primates. Senior professorial appointment in biology, psychology, anthropology or psychiatry. Applications to: H. Katchadourian, Department of Psychiatry, Stanford University, Stanford, California 94305.

Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

ANATOMIST NEEDED IN ALASKA. Experimental program in decentralized medical education now entering its sixth year requires doctor level (Ph.D. or M.D.) anatomist to take responsibility for first-year medical courses in human gross and microanatomy. Requires versatile innovative person with genuine commitment to teaching. Preference given candidates with strong research background. Applicants should supply curriculum vitae and names of three references to **Wayne W. Myers, M.D., Director, WAMI Program, 101 Arctic Health Building, University of Alaska, Fairbanks, Alaska 99701**, and/or contact **Dr. Myers at Galt House, Louisville, Kentucky**, 20 to 22 April (American Association of Anatomists meeting). *The University of Alaska is an Equal Opportunity Employer.*

ASSISTANT/ASSOCIATE PROFESSORSHIP: The Department of Pharmacology is being reorganized under a new chairman. In anticipation of new faculty positions to be created, applicants with a strong interest and research record in biochemical pharmacology may send curriculum vitae to:

**Dr. David B. Ludlum, Chairman
Department of Pharmacology
Albany Medical College
Albany, New York 12208**

An Equal Opportunity/Affirmative Action Employer

TWO POSITIONS IN ANATOMY

Two assistant professors, Ph.D. or M.D. with postdoctoral research and teaching experience and ability to develop independent research program; one with teaching interest in gross anatomy, and the other in microscopic anatomy. Send curriculum vitae to **Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for the Health Sciences, Memphis, Tennessee 38163**.

Equal Opportunity/Affirmative Action Employer

ASSISTANT PROFESSOR AND WEED SCIENTIST, located at the University of Idaho, Moscow, available 1 July 1976. Research and teaching, Ph.D. required in weed science or closely related field. Closing date is 26 April 1976.

For information and application forms contact:

**Weed Science Screening Committee
Department of Plant and Soil Sciences
University of Idaho
Moscow, Idaho 83843**

ASSISTANT PROFESSOR OF ENTOMOLOGY Integrated control specialist needed for full-time research position at the Texas A & M University Agricultural Research and Extension Center at Corpus Christi. Primary emphasis will be on the development of control procedures for the insect pests of cotton using resistant varieties. Secondary emphasis will be on control of sorghum pests. Ph.D. in entomology required with strong background in pest management, ecology, agriculture, and statistics. Closing date is 21 April 1976. Send résumé and names of five references to **Dr. P. L. Adkisson, Head, Department of Entomology, Texas A & M University, College Station, Texas 77843**. *An Affirmative Action/Equal Opportunity Employer.*

UNIVERSITY OF UTAH DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Applications are invited for filling a faculty opening of **assistant professor in isotope geology**. The applicant must be qualified for studies in light stable isotopes (C,H,O,S) and interested in developing his/her own programs in and interacting with research programs in geothermal exploration, ore deposits, hydrology, and sedimentary geochemistry. Teaching requirements will include both general and specialized courses. An excellent opportunity to join a dynamic growing department. Send inquiries prior to 15 April to:

**James A. Whelan
Isotope Geologist Search Committee
Department of Geology and Geophysics
University of Utah
Salt Lake City, Utah 84112**

University of Utah is an Equal Opportunity Employer.

POSITIONS OPEN

ANATOMY

Two junior faculty positions available as of 1 July 1976. Ph.D., M.D., or D.O. required. A strong background in neuroanatomy is desirable for one position. Broad background in gross anatomy and microscopic anatomy essential. Submit curriculum vitae and the names of three references to:

**Dr. M. W. DuBois, Chairman
Department of Anatomy
Chicago College of Osteopathic Medicine
1122 East 53 Street
Chicago, Illinois 60615**

An Equal Opportunity Employer

ASSISTANT PROFESSOR, ENTOMOLOGY. University of Maryland, 12-month position, research and teaching. Ph.D. required. Responsible for soybean, forage crop, and pest management research. Training or experience in quantitative, chemical, or physiological ecology, population dynamics, and insect-plant interactions. Applicants should forward curriculum vitae, transcripts, and names and addresses of three references to: **A. L. Steinhauer, Chairman, Department of Entomology, University of Maryland, College Park, Md. 20742**. Deadline: 15 April 1976. *The University of Maryland is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT/ASSOCIATE PROFESSOR PHYSICAL OCEANOGRAPHER

Applications are invited for a teaching and research position as physical oceanographer at the University of Rhode Island, starting 1 July 1976. Several years of experience with a demonstrated capacity for outstanding research in an area such as the dynamics of the upper ocean, ocean currents, shelf circulation, and/or estuarine processes is desirable. A new research vessel will provide an excellent facility for developing seagoing programs. Reply with résumé and three letters of recommendation to **Professor Thomas Rossby, Chairman of Search Committee, Graduate School of Oceanography, Kingston, R.I. 02881**.

An Affirmative Action/Equal Opportunity Employer

DEPARTMENT OF PSYCHOBIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE

A position is available for an outstanding candidate at the **assistant professor** level. Candidates should either be pursuing research in neurobiology or behavioral biology emphasizing neural or endocrine mechanisms. Postdoctoral research experience is preferred. Preference will be given to applicants whose research interests complement those of current faculty and whose research concerns some aspect of neural or behavioral plasticity. The position is available beginning fall 1976, but may be held open for fall 1977 if circumstances so warrant. Applicants should write to **Norman M. Weinberger, Chairman, Department of Psychobiology, University of California, Irvine, California 92717**, providing curriculum vitae, references, and publications. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.*

BIOCHEMICAL PHARMACOLOGIST with experience in analytical procedures in pharmacokinetics. To assume, initially, a nonacademic post in a large western university. Ph.D. required. **Box 180, SCIENCE.**

BIOLOGIST, assistant professor, starting September 1976. Candidates will be sought whose primary interest lies in invertebrate behavioral physiology, and who would teach courses in introductory biology, comparative animal physiology, invertebrate zoology, and contribute to studies in neuroscience. The appointee will be expected to sustain an active research program in which undergraduates will become involved. Salary competitive. Send résumé, undergraduate and graduate transcripts, publications, and three letters of reference to: **Dr. N. C. Maravolo, Chairman, Department of Biology, Lawrence University, Appleton, Wisconsin 54911**.

Lawrence University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR OF PHYSIOLOGY

A position for a doctoral-level endocrinologist will be open on or about 1 September 1976. The position will involve teaching of professional and graduate students with adequate time for research. Please send your curriculum vitae to **Dr. Edward J. Masoro, Department of Physiology, The University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, Texas 78284**. *An Equal Opportunity/Affirmative Action Employer.*

BIOLOGY DEPARTMENT: Permanent faculty opening September 1976 at the instructor or assistant professor rank. Salary range of \$10,000 to \$14,000. Duties include participation in a team-taught general biology course for nonmajors and environmental biology for elementary education students. Ph.D. required. Postgraduate work desired. Some college or university-level teaching required. Should have expertise in environmental health, including water quality control, waste water, and solid waste disposal, epidemiology, noise, air and radiation pollution, food and energy control. Two to 3 years of teaching/research experience desired. Send applications to **Dr. Henry H. Vallowe, Biology Department, Indiana University of Pennsylvania, Indiana, Pa. 15701**, by 15 April 1976.

An Affirmative Action/Equal Opportunity Employer

BIOLOGICAL OCEANOGRAPHER

Postdoctoral positions for phytoplanktologists and zooplanktologists with a strong background in chemical oceanography are available effective 1 June 1976. Duties will consist of conducting research on the respiratory and nitrogen metabolism in plankton associated with red tides. Applicants with experience in enzymatic analysis and cruise staging are preferred. Interested candidates should send a letter of intent, curriculum vitae, reprints, and three letters of recommendation to: **J. Kerschner, Bigelow Laboratory for Ocean Sciences, West Boothbay Harbor, Maine 04575**. Deadline for all applications is 15 May 1976.

The University of Mississippi invites applications and nominations for the position of **CHAIRMAN** of its Department of Biology for fall semester 1976. Ph.D. required. Rank and salary open. Preferred areas of specialization: developmental anatomy/vertebrate anatomy or entomology. We would appreciate assistance in identifying potential candidates. Applications, inquiries, and nominations should be sent to: **Dr. W. St. Amand, Chairmanship Search Committee, Department of Biology, University of Mississippi, University, Mississippi 38677**. Application deadline: 22 May. *Equal Opportunity Employer.*

CHAIRPERSON, Department of Molecular, Cellular and Developmental Biology, University of Colorado.

The candidate must be an active distinguished scientist with strong commitments to scholarship in teaching and research.

The Search Committee will accept and consider applications and nominations until 1 July 1976. Please send information to: **Chairperson Search Committee, Department of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder, Colorado 80309**. *The University of Colorado is an Equal Opportunity, Affirmative Action Employer.*

The Cancer Research Institute of the University of California, San Francisco, is considering applications for a junior staff appointment in **DEVELOPMENTAL BIOLOGY**, beginning fall 1976. A concurrent appointment is available as assistant professor in residence in the Department of Anatomy. Minimum requirements include a Ph.D. degree and at least 2 years of postdoctoral experience in cell biology and tissue culture. Additional advanced training in biochemistry is desired. The investigator should have demonstrated the ability to lead an independent research project in mammalian tumor biology related to developmental systems, and should be prepared to undertake an active role in graduate teaching programs in developmental biology. *The University of California is an Affirmative Action Employer and applications from minority and women candidates are solicited.*

Send curriculum vitae and three (3) letters of reference by 30 April to:

**Roger A. Pedersen
Chairman, Search Committee
Department of Anatomy
University of California
San Francisco, Calif. 94143**

POSITIONS OPEN

BIOPHYSICAL POSTDOCTORAL position available summer or fall for spectroscopic investigations of drug-nucleic acid complexes using FT-NMR, circular dichroism, fluorescence, fluorescence detected circular dichroism, and visible spectroscopic techniques. Interested applicants should submit curriculum vitae, transcript, and three letters of recommendation to **Dr. Thomas R. Krugh, Department of Chemistry, University of Rochester, Rochester, New York 14627.**

CARDIOVASCULAR PHYSIOLOGIST

The Department of Physiology of Northwestern University Medical Center invites applications for a faculty position at the assistant professor level in the field of cardiovascular physiology. The applicant should have 2 to 3 years of postdoctoral experience in an area related to the cardiovascular system. The candidate will be required to develop an independent research program in mammalian cardiovascular physiology and will be responsible for teaching cardiovascular physiology to both medical and dental students. Interested individuals should send curriculum vitae and names of three references to:

**Dr. O. Hechter, Chairman
Department of Physiology
Northwestern University Medical School
303 East Chicago Avenue
Chicago, Illinois 60611**

Northwestern University is an Equal Opportunity/Affirmative Action Employer.

BASIC SCIENCES. University of Southern California School of Dentistry seeks a **DEPARTMENTAL CHAIRMAN** to develop department from existing basic science units and to function as coordinator and administrator of departmental activities. Direct inquiries and curriculum vitae documenting administrative, teaching, and research experience to: **Dr. Raymond Melrose, Department of Pathology, School of Dentistry, University of Southern California, Los Angeles, California 90007.** *Equal Opportunity Employer.*

DEAN COLLEGE OF LIBERAL ARTS The University of Iowa

Nominations and applications are invited for the position of Dean of Liberal Arts, effective summer 1977. With 11,000 students and 35 departments in the arts and sciences the College is one of the most important units of The University of Iowa. The Dean is responsible for the full range of instructional, faculty, and budgetary matters, and should have both administrative qualifications and scholarly achievement appropriate to professorial rank in an academic department of the College.

Nominations and applications should be received by 15 May 1976. Address:

**Professor Laird Addis, Chairman
Dean Search Committee
111 Jessup Hall
The University of Iowa
Iowa City, Iowa 52242**

An Equal Opportunity/Affirmative Action Employer

DIRECTOR, ENZYME LABORATORY: The Enzyme Laboratory is a University-supported service facility at the University of Kansas—Lawrence Campus designed to assist biomedical research groups in carrying out enzymological studies. The primary responsibility of the Director is to supervise technicians and aid in the development and implementation of experimental procedures. The Director is also encouraged to pursue independent or collaborative research interests. A highly qualified person may be eligible for a courtesy appointment in an appropriate teaching department. Candidates should have a Ph.D. in biochemistry or related areas with 2 to 4 years of postdoctoral experience; highly qualified recent graduates will be considered. Documented expertise is required in the standard techniques used in the culturing and maintenance of microorganisms, the isolation and purification of proteins and other biological materials, and enzyme kinetics. The salary will be in the range of \$15,000 to \$20,000 for 12 months, depending on experience and qualifications. Deadline for applications is 10 May. Applicants should submit a curriculum vitae and the names of three references to: **Dr. Ronald T. Borchardt, Department of Biochemistry, University of Kansas, Lawrence, Kansas 66044.** *An Equal Opportunity/Affirmative Action Employer. Qualified men and women of all races are encouraged to apply.*

POSITIONS OPEN

CHAIRMAN, DEPARTMENT OF PHARMACOLOGY Northwestern University Medical School Chicago, Illinois

Please write to the **Chairman of the Search Committee, Dr. William Bondareff, 303 East Chicago Avenue, Chicago, Illinois 60611.**

Northwestern University is an Equal Opportunity Employer.

CHEMIST

Air pollution field studies and computer modeling of aerosol chemical and physical transformation. Ph.D. or equivalent experience. One-year term appointment, renewable upon mutual agreement and availability of funds.

Submit résumés to **Dorita Crosby, Personnel Representative, Lawrence Berkeley Laboratories, Building 90, Room 3024, Berkeley, Calif. 94720.**

An Equal Opportunity Employer, M/F

EXECUTIVE POSITION IN MEDICAL SCIENCES INFORMATION

The Smithsonian Science Information Exchange (SSIE) invites applications from qualified individuals for the position of Vice-President and Director of the Medical Sciences Division. Candidates should possess a medical degree and/or a doctoral degree in one of the medical sciences. Research experience, demonstrated management abilities, and an interest in the techniques involved in the organization and processing of scientific and technical information are essential.

Responsibilities include direction of SSIE's medical science professional staff and management of the major contract service activities through which SSIE applies the medical research information in its data base to the analysis, planning, and research program management needs of its major users. This is a career position which offers excellent opportunities for professional interaction with both the medical sciences research and the information science communities.

Interested applicants should send a curriculum vitae to **Dr. David F. Hersey, President, Smithsonian Science Information Exchange, Room 300, 1730 M St., NW, Washington, D.C. 20036.** *SSIE is affiliated with the Smithsonian Institution and is an Equal Opportunity/Affirmative Action Employer.*

EXTENSION APICULTURIST (position No. 7608)—Full-time extension position at the University of California, Davis. Ph.D. or equivalent in entomology required with training in apiculture and pollination. Practical beekeeping experience would be helpful. Provide educational programs in apiculture and pollination to commercial apiculturists, commodity groups, pesticide fieldmen, and farm advisers. Conduct applied research and demonstrations. Applications accepted until 1 May 1976. Send résumé or inquiry to: **Kendall J. Englund, Assistant Director, Personnel, Division of Agricultural Sciences, University of California, 2200 University Avenue, Berkeley, California 94720.** *An Equal Opportunity Employer.*

FACULTY POSITIONS

Recent D.D.S. and/or Ph.D. graduates with teaching experience in all areas of human anatomy will be needed for participation in programs for dental, medical, graduate, and/or allied health students. Applicants must show evidence of strong research potential; preference will be given to individuals with professional degrees in dentistry who are engaged in dental research. Positions are at instructor or assistant professor levels only with appointments beginning during summer months of 1976. Salary is within University guidelines and will depend on qualifications. Send curriculum vitae, bibliography, and three reference letters to: **Dr. E. G. Rennels, Chairman, Department of Anatomy, The University of Texas Health Science Center, San Antonio, Texas 78284.** *An Equal Opportunity/Affirmative Action Employer*

POSITIONS OPEN

Position to begin fall 1976 for an **EVOLUTIONARY ECOLOGIST** with background and interest in animal taxonomy. Ph.D. and experience required. Full description available upon request. Send curriculum vitae, transcripts, and three letters of recommendation to **Dr. Bruce H. Dinsmore, Chairman, Biology Department, Clarion State College, Clarion, Pa. 16214,** by 1 May 1976. *Clarion State College is an Equal Opportunity Employer.*

FACULTY POSITION. To teach and participate in research in food toxicology. Ph.D. in food science or related field with strong background in biochemistry and physiology. Experience in a food-related position (academic, industry, government) desirable. Apply by 15 May 1976, with résumé, three references, and transcripts to: **Dr. Paul E. Kifer, Head, Department of Food Science and Technology, Oregon State University, Corvallis, Oregon 97331.** *Equal Opportunity Employer.*

FACULTY POSITION—MICROBIOLOGY.

The Department of Microbiology at The University of Chicago would welcome inquiries from candidates wishing to join its faculty. We are particularly interested in persons with doctoral and postdoctoral training in either (i) plasmid microbiology including studies of the role of R factors in drug-resistant and infectious diseases or (ii) those aspects of cell biology relevant to the departmental interest including the molecular biology of the eukaryotic gene. Candidates should have a primary interest in research but be prepared to participate in the teaching activities of the department. Interested individuals should send their curriculum vitae, list of publications, and the names of three references to: **Dr. Bernard Strauss, Chairman, Department of Microbiology, University of Chicago, 920 East 58 Street, Chicago, Illinois 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.*

Applications are invited for two **FACULTY POSITIONS** commencing in the fall of 1976. One position at the assistant professor level requires an individual with a Ph.D. degree in bacteriology whose primary responsibility will be to teach introductory microbiology and introductory biology with an opportunity to develop advanced courses in his area of specialization. The ability to teach vertebrate physiology would be useful but is not required. The second position is a sabbatical replacement for the fall semester only. This appointment will be at the instructor or assistant professor level and will require the successful applicant to teach anatomy and introductory biology. The minimum requirement is a master's degree in biology. Interested applicants should contact **Dr. Robert M. Young, Chairman, Department of Biology, Rhode Island College, Providence, Rhode Island 02908,** including a copy of their curriculum vitae. *Rhode Island College is taking Affirmative Action to recruit qualified minority and female applicants for employment.*

FACULTY POSITION Organic Chemical Oceanography

Applications are invited for a research faculty position in the Department of Oceanography, University of Washington. Applicants must have a Ph.D. and initially be interested in and capable of performing research characterizing amounts and types of hydrocarbons in coastal zone sediments, organisms, and waters, but will be expected gradually to develop independent research programs in other areas of organic marine chemistry/geochemistry and to participate in the teaching program of the department. Send complete résumé and four letters of reference to **Dr. R. T. Merrill, Chairman, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195.** Deadline for receipt of applications is 15 May 1976. *The University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

DIRECTOR. Institute for Coastal and Marine Resources, available 1 July 1976. Responsible for coordination and development of programs in the marine science and related human resource areas. Must have earned doctorate in one of the natural sciences and administrative experience. Salary commensurate with qualifications. Deadline for applications: 1 May. Send résumé with references to **Dr. C. Q. Brown, Chairman, Institute for Coastal and Marine Resources Search Committee, Institutional Development, East Carolina University, Greenville, N.C. 27834.** Affirmative Action/Equal Opportunity Employer.

GASTROINTESTINAL PHYSIOLOGIST with demonstrated teaching ability and active research program (desired areas: electrophysiology of smooth muscle or secretory cells; reflex/peripheral control of GI motility). Clinical competence or interest important factor. Professorial rank and salary commensurate with qualifications. *Affirmative Action/Equal Opportunity Employer.* Send résumé and references to **Search Committee (GI), Department of Physiology, University of North Carolina, Chapel Hill, N.C. 27514.**

INFECTIOUS DISEASE EPIDEMIOLOGIST

Faculty member to develop independent research program in epidemiology of infectious diseases. Participation is expected in courses in epidemiology, as well as supervision of graduate students. Rank and salary commensurate with qualifications. M.D. required, experience in research and teaching is desirable. Address inquiries to **Neal Nathanson, M.D., Head, Division of Infectious Diseases, Department of Epidemiology, School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, Md. 21205.** An Affirmative Action/Equal Opportunity Employer.

Position open for 1-year sabbatical replacement as **INSTRUCTOR OR ASSISTANT PROFESSOR OF BIOLOGY.** Teaching duties will include full responsibility for a general zoology course and a general biology course for nonmajors in the fall semester (September 1976) and participation in a cell biology course in the spring semester (February 1977).

Send curriculum vitae and three letters of recommendation by 1 May 1976 to: **Philip Stukus, Ph.D., Department of Biology, Denison University, Granville, Ohio 43023.** Denison actively encourages applications from women, blacks, and other minority candidates. Denison University is an Equal Opportunity/Affirmative Action Employer.

INSTRUCTOR OR ASSISTANT PROFESSOR IN PHYSIOLOGY. Medical school teaching experience for first-year students required. Participation in graduate school program available. Background of mammalian CNS research desirable. Rank and salary commensurate with training and experience. Individuals should promptly forward a complete résumé and have four letters of recommendation forwarded to **Dr. Alvin S. Levine, Director, Indiana University School of Medicine, Terre Haute Center for Medical Education at Indiana State University, Terre Haute, Indiana 47809.** Indiana University is an Equal Opportunity/Affirmative Action Employer.

NONTENURED INSTRUCTOR POSITION OPEN

Instructor in zoology. Primary duties: supervision and coordination of laboratory preparation for multi-section courses in general biology; lecture, one section. M.S./M.A. in zoology or biology minimal; experience desirable. Twelve-month appointment; approximately \$10,000. Application deadline: 1 May 1976. Send curriculum vitae and three letters of recommendation to: **Dr. Raj V. Kilambi, Chairman, Search Committee, Department of Zoology, University of Arkansas, Fayetteville, Arkansas 72701.** The University of Arkansas is an Affirmative Action/Equal Opportunity Employer.

MARINE CHEMISTRY POSTDOCTORAL FELLOW to have major role in a study of the abundance and dynamics of hydrocarbons in the marine environment at Port Valdez, Alaska. Experience in trace analysis by gas chromatography and in oceanographic fieldwork is highly desirable. Send résumé and three letters of reference to **Dr. D. G. Shaw, Institute of Marine Science, University of Alaska, Fairbanks, Alaska 99701.**

The University of Alaska is an Equal Opportunity Employer.

POSITIONS OPEN

UNIVERSITY OF QUEENSLAND LECTURER IN ANATOMY

Applicants should have experience in the paramedical field and research interests in kinesiology, biomechanics, or some aspect of functional anatomy. Quote reference No. 04776, 30 April 1976.

Salary: lecturer \$A12,835 to \$A17,229 per annum.

Other benefits: lecturer and above—superannuation, housing assistance, study leave, traveling and removal expenses.

Additional information and application forms are obtainable from the **Staff Officer, University of Queensland, St. Lucia, 4067, Australia.**

MARINE SCIENTIST AND DIVING SUPERVISOR

at Moss Landing Marine Laboratories. Requires accredited diving instructor and Ph.D. in marine science, physical or biological, all areas considered. Experience, ability, and versatility in teaching and demonstrated effectiveness in funded research will be factors in evaluation. Position will be filled as lecturer, but tenure-track position may possibly be offered in exceptional circumstances. Salary approximately \$14,000 per year. **Box 181, SCIENCE.**

A full-time Ph.D. **NEUROCHEMIST** is being sought for the position of assistant research neurologist in the Reed Neurological Research Center, UCLA School of Medicine. Applicant needs demonstrated ability with heavy metal toxicology, radiochemical techniques in brain slices and chemical fractions, lipid chemistry, and enzymology. Applicants should submit a curriculum vitae and reprints to **Pieter Kark, M.D., Assistant Professor of Neurology, Reed Neurological Research Center, University of California School of Medicine, Los Angeles, California 90024.** UCLA is an Equal Opportunity/Affirmative Action Employer and is desirous of receiving applications from minority and women candidates as well as from other qualified people.

NEUROENDOCRINOLOGIST NORTHWESTERN UNIVERSITY

Two-year lecturer position available 1 September 1976 in Department of Biological Sciences. Primary role will be to serve as postdoctoral fellow in laboratory of reproductive neuroendocrinology (with N. B. Schwartz). Some undergraduate teaching required.

Send letter, curriculum vitae, and names of three referees to: **Neena B. Schwartz, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.**

Northwestern University is an Equal Opportunity Employer.

POSTDOCTORAL

Research on transfer RNA structure and function using NMR. Applicants should have experience in transfer RNA or nucleic acid chemistry and be interested in learning NMR methods; alternatively experience in the latter and interest in the former would also be acceptable. Available immediately. Salary \$10,000 to \$11,000 depending on experience. Applications with curriculum vitae and two references to: **Professor Brian R. Reid, Biochemistry Department, University of California, Riverside, Calif. 92502.**

An Equal Opportunity/Affirmative Action Employer

OBSERVATORY ENGINEER/SUPERVISOR

The University of Texas McDonald Observatory is seeking an engineer who has had experience with large optical and mechanical systems associated with astronomical telescopes to supervise a small technical support group and to provide expertise in the optical and mechanical areas. This group provides maintenance and operational support for the Observatory's computer, electronic, optical, and mechanical equipment. The successful applicant will have extensive supervisory experience and will be familiar with modern scientific applications of computers and other electronic equipment. Residence at McDonald Observatory is required. Beginning salary commensurate with education and experience. Submit résumé to **Superintendent, McDonald Observatory, P.O. Box 1337, Fort Davis, Texas 79734,** or apply:

**University of Texas at Austin
Office of Personnel Services and Employee Relations
2613 Wichita
Austin, Texas 78712**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

MEDICAL MICROBIOLOGIST AND IMMUNOLOGIST. Two faculty positions will be available on 1 July 1976. The rank is open, salary is competitive, and both will depend on the background and training of the successful applicants. Duties will include participation in the teaching of courses for professional and graduate students, development of independent and/or collaborative research programs of high quality, and the supervision of Ph.D. student research activities. Postdoctoral research and teaching experiences are required. Send curriculum vitae to **Dr. J. H. Wallace, Professor and Chairman, Department of Microbiology and Immunology, University of Louisville Health Sciences Center, P.O. Box 1055, Louisville, Kentucky 40201.** The University of Louisville is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

CHILD NEUROLOGIST to begin 1 July 1977. Full-time academic appointment with opportunities for research, teaching, and clinical responsibilities in pediatric neurology and teaching and clinical responsibilities in adult neurology as an attending physician on the neurology service. Send curriculum vitae and bibliography and names of three references to **Thomas W. Farmer, M.D., Acting Chairman, Department of Neurology, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.** Equal Opportunity/Affirmative Action Employer.

NEUROLOGIST to begin 1 July 1976. Full-time academic appointment with opportunities for research, teaching, and clinical responsibilities in adult neurology. Send curriculum vitae and bibliography and names of three references to **Thomas W. Farmer, M.D., Acting Chairman, Department of Neurology, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.** Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW—RESEARCH ASSOCIATE (Ph.D., M.D., or equivalent). A qualified applicant for a traineeship in molecular approaches to chemical carcinogenesis and DNA repair is being sought for late summer 1976. Background in molecular biology and cell culture work is desirable but is not required. Salary commensurate with training and experience. Send curriculum vitae and bibliography to: **Michael W. Lieberman, M.D., Ph.D., Department of Pathology, Washington University School of Medicine, St. Louis, Missouri 63110.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Research on cell membrane receptors for prostaglandins and gonadotropins: solubilization, purification, properties, and immunology. Some prior experience in the membrane receptor field as well as in cyclic nucleotide research is desirable. Starting salary of \$9,000 to \$10,000. Project time—3 years. Starting immediately. Send résumé and references to: **Dr. Ch. V. Rao, Department of Obstetrics and Gynecology, University of Louisville, School of Medicine, 323 East Chestnut Street, Louisville, Kentucky 40202.**

POSTDOCTORAL RESEARCH ASSOCIATE

Position available in June 1976 for an aquatic ecologist with mathematical modeling experience to participate in an EPA-sponsored project studying the direct and indirect effects of nonpersistent pesticides on ecosystem dynamics. Duties include coordinating and performing theoretical and experimental analyses of aquatic populations. Send résumé and three letters of reference to: **Dr. Erik D. Goodman, Pesticide Research Center, Michigan State University, East Lansing, Michigan 48824.** An Equal Opportunity Employer.

RESEARCH BIOCHEMIST: A position will become available 1 July 1976 for a biochemist expert in enzymology of DNA synthesis to collaborate in a research program of leukemia cell metabolism and metabolic inhibitors. Supervision of small research group; new laboratory facilities. Joint appointment in a basic science department possible. Ph.D.'s with two or more years of relevant postdoctoral work are asked to send curriculum vitae, list of publications, and names of three references to **Dr. John Laszlo, Department of Medicine, Duke Medical Center, Durham, N.C. 27710.** Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

PHARMACOLOGIST

Applications are invited for a faculty position in pharmacology at the University of Southern California School of Pharmacy beginning summer or fall 1976. Primary duties include team-teaching pharmacology in a preclinical/clinical health science program and developing an active research program in a new, well-equipped building. Salary and rank commensurate with experience. Send curriculum vitae and names of four references to: **Dr. Myron Weiner, Pharmacodynamics Section, University of Southern California School of Pharmacy, 1985 Zonal Avenue, Los Angeles, California 90033.** *An Equal Opportunity/Affirmative Action Employer.*

The Harvard-MIT Program in Health Sciences and Technology is seeking to appoint one or more individuals well qualified to teach and to do research in physically oriented **PHYSIOLOGY**. The teaching responsibilities involve courses in physiology designed for students who are candidates for the M.D. degree or are candidates for master's and doctoral degrees in biomedical physics and biomedical engineering.

The search committee is seeking creative scholars, actively engaged in research, who would be especially productive in their interactions with life scientists and with physical scientists and engineers. These physiologists will be housed in laboratories at MIT. As faculty members in the Health Sciences and Technology Program, they may also hold joint appointments in appropriate departments of Harvard and/or MIT. The search committee is interested in learning of possible candidates at senior and junior faculty levels.

Applications and nominations of possible candidates should include a curriculum vitae, bibliography, and names of references, and should be sent to **Dr. Irving M. London, Director, Harvard-MIT Program in Health Sciences and Technology, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139.**

Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

POSITIONS OPEN

POSTDOCTORAL POSITION is immediately available for recent Ph.D. interested in immunoparasitology and mechanisms of host-parasite specificity. \$10,000. Send curriculum vitae and names of several referees to: **Dr. Paul F. Basch, Room S, Stanford University School of Medicine, Stanford, California 94305.** *An Equal Opportunity Employer.*

The University of California has a faculty position, associate professor or professor rank, for a **PROGRAM LEADER IN AQUACULTURE**. Qualifications required include the Ph.D. degree, recognized research achievement, and experience, and interests indicative of ability to provide effective leadership of a broad program in aquaculture research, emphasizing freshwater and marine species of fish, mollusks, and crustaceans. Development of a teaching program in this area is also anticipated. Inquiries and curriculum vitae should be sent by 1 May 1976, to ensure consideration, to: **H. S. Olcott, Aquaculture Search Committee, College of Agricultural and Environmental Sciences, University of California, Davis, Calif. 95616.** *Applications from women and members of minority groups are encouraged.*

Harvard Medical School's Department of Radiation Therapy invites applications and nominations for the appointment of a **RADIATION THERAPIST** with academic tenure in the Department of Radiation Therapy. The appointee is to serve in the Joint Center for Radiation Therapy. The search committee is seeking an individual who is a creative scholar in the study of the biological principles underlying radiation therapy and is at the same time an accomplished clinical radiation therapist. This individual should be highly qualified to teach fundamental radiation biology to medical students, house officers, and fellows in radiation therapy. Applications and nominations should include a curriculum vitae, bibliography, and names of references and should be sent to **Dr. Irving M. London, Chairman of Search Committee, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.** *Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.*

POSITIONS OPEN

RESEARCH ASSOCIATE IN WILDLIFE. Ph.D. in wildlife biology preferred, with experience on marsh birds, to develop management programs on black-bird depredation in cultivated wild rice. Two-year program with long field seasons in northern Minnesota. Must start by 1 May. Send résumé, transcripts, and three letters of recommendation to **Milton W. Weller, Department of Entomology, Fisheries, and Wildlife, University of Minnesota, St. Paul, Minnesota 55108.** *Equal Opportunity Employer.*

VACANT POSITIONS FOR STAFF MEMBERS

The University of Riyadh, College of Agriculture, Riyadh, Saudi Arabia, has vacancies for teaching and technical staff in the following fields:

Agricultural Economics, Soil Sciences, Plant Production, Plant Protection, Agricultural Engineering, Animal Production, and Food Sciences.

Required qualifications:

For teaching staff: Ph.D. degree with appropriate teaching and research experience.

For lecturers and instructors: M.Sc. and B.Sc., respectively.

For technical staff: B.Sc. or a suitable degree with a sound experience.

Candidates chosen for teaching positions are expected to teach and carry on research in their own fields. The period of appointment is negotiable starting 1 September 1976.

All applicants, other than technicians, should have good command of the Arabic language.

Applications should reach the address below, no later than 20 April 1976. Each applicant is requested to submit a curriculum of his academic career and names of two references.

Selected candidates will be notified and interviewed by a college representative.

Forwarding address:

Dean
College of Agriculture
University of Riyadh
Riyadh, Saudi Arabia

EMPLOYMENT OPPORTUNITY

Assistant to the Chief Curator

The Manitoba Museum of Man and Nature invites applications for the position of Assistant to the Chief Curator.

Duties: Reporting to the Chief Curator, Curatorial Division, (Library, Natural and Human History), assists in the supervision of the curatorial research and collections care programs. Fosters liaison and mutual co-operation with the historical and scientific community. Undertakes research in his chosen discipline. Develops and co-ordinates federally and provincially funded museum related programs.

Qualifications: At least a Master's degree or equivalent experience in a museum, university, or other research oriented institution. Demonstrated administrative ability. Experience preferred in one of the following fields: (1) anthropology, (2) geography, (3) history. Aptitude for innovative ideas which would extend the museum's role in the community.

Salary: Position will be of interest to individuals currently earning \$15,000 to \$20,000.

Reply to:

Dr. G. E. Lammers, Chief Curator
Manitoba Museum of Man and Nature
190 Rupert Avenue
Winnipeg, Manitoba
R3B 0N2

Telephone: 204-947-5664

Closing Date: June 1st, 1976

TOXICOLOGIST

The Drug Safety Evaluation Department of Pfizer Central Research Division currently has a position available for a research scientist with a D.V.M. or Ph.D. in toxicology, pharmacology, physiology or a related field. Pharmaceutical toxicological experience is desirable but not required. We would also be interested in reviewing candidates with related experience as well as recent graduates.

Responsibilities will include protocol design, safety study supervision, data analysis and preparation of reports for IND-NDA submission. Effective oral and written communications skills are essential.

In addition to a stimulating work environment, Pfizer offers a competitive compensation and benefit package, and an opportunity to live in an attractive Long Island shore community.

Send curriculum vitae and salary history to:

**Personnel Director, Central Research Division,
Pfizer Inc., Eastern Point Road,
Groton, Conn. 06340**

Pfizer

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POSITIONS OPEN

RESEARCH FELLOW IN MEDICINE AND BIOCHEMISTRY. M.D. interested in academic medicine to carry out research projects in the areas of atherosclerosis, lipoproteins, membranes, lipid disorders, gallstones, and so forth. Position is primarily a research experience although some clinical training in gastroenterology or cardiology is available. Salaries \$10,000 to \$15,000. No prior research experience is necessary. All necessary training will be provided. Contact **D. M. Small, Department of Medicine, Boston University Medical Center, Boston, Mass. 02118**, or Telephone: 617-262-1400, extension 6449 or 6250. *Equal Opportunity/Affirmative Action Employer.*

SUPERVISOR, GENERAL BIOLOGY PROGRAM UNIVERSITY OF TENNESSEE, KNOXVILLE

Beginning September 1976 a position to supervise and coordinate faculty and graduate T.A.'s in an existing three-quarter course in general biology for majors, potential majors, and nonmajors (approximately 2200 students). The primary duty will be to coordinate the course or courses, as future student necessity and applicant interest dictates. Research interest may be any area of the life sciences. Some training and/or experience in the handling of large introductory courses in general biology is desirable. Appointment and salary will be at the assistant or associate professor level. Send résumé including teaching experience and research and names of three references to **Dr. J. M. Liles, Department of Zoology, The University of Tennessee, Knoxville, Tenn. 37916**. Application deadline: 28 April. *An Equal Opportunity Employer.*

TEACHING EQUIPMENT: Leading publicly held company in the field of science teaching equipment has opening for individual to develop and maintain a line of environmental science teaching equipment for college and university level. Individual will also be responsible for applications and sales literature and technical support to sales group. Send résumé in complete confidence to:

Box 182, SCIENCE

Applications are invited for two undergraduate **TEACHING POSITIONS** in biology to begin in September 1976. Ph.D. required with specialties in one or more of the following: anatomy, physiology, ecology, genetics, zoology, and general biology. Applicants must be broadly trained and have a firm commitment to undergraduate liberal arts education. Send curriculum vitae, transcripts, and three letters of reference by 1 May 1976 to: **Dr. K. Michael Foos, Lake Erie College, Painesville, Ohio 44077**. *Equal Opportunity Employer.*

VIROLOGIST

Applications are invited for a faculty position in the Department of Microbiology and Immunology, Washington University School of Medicine, in the areas of bacterial or animal virology. Applicants should possess a Ph.D. or M.D., have several years of postdoctoral training, an ability to conduct a strong independent research program, and interest in teaching at the graduate level. Rank will depend on experience. Send curriculum vitae and summary of current and future research interests to **Dr. Joseph M. Davie, Department of Microbiology and Immunology, Washington University School of Medicine, 660 South Euclid, St. Louis, Missouri 63110**.

The Department of Physiological Optics of the School of Optometry, The University of Alabama in Birmingham, is seeking a person with an O.D. and a Ph.D. in an area of **VISION SCIENCE**. Responsibilities will include teaching courses within the physiological optics curriculum to optometry students and graduate students, individual research, and some administration. Teaching experience within the areas of ocular motility and binocular vision would be an advantage. Rank and salary commensurate with experience. Résumés will be accepted until 1 May 1976.

Interested persons should send their curriculum vitae and the names of three professional references to **Dr. Thomas Greenspon, Ph.D., Department of Physiological Optics, School of Optometry, The Medical Center, University Station, University of Alabama in Birmingham, Birmingham, Alabama 35294**.

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GRADUATE STUDY

GRADUATE STUDY leading to the Ph.D., in multidisciplinary areas of muscle membrane biology in health and disease. Studies range from the molecular nature of cardiac, skeletal and smooth muscle contraction, ion transport, protein synthesis, energy metabolism, and cardiovascular drug effects to biochemical and functional correlates in heart failure, ischemia, and hypertension. Stipends and tuition support available. **Dr. J. C. Allen, Department of Cell Biophysics, Baylor College of Medicine, Houston, Texas 77030**. *Equal Opportunity Employer.*

COURSES

MARINE BIOLOGICAL LABORATORY Woods Hole, Mass. 02543 offers A YEAR IN SCIENCE AT THE MBL

The Ecosystems Center offers to a selected group of advanced undergraduates and graduate students the opportunity to arrange a distinctive curriculum of study and research throughout the 1976-77 academic year at the Marine Biological Laboratory. Emphasis will be on the science of environment. Individual programs will be arranged with advice of staff of the Laboratory in consultation with other members of the Woods Hole academic community. Students will have the opportunity to participate in various courses and seminars offered throughout the year by the MBL, including the well-known January courses. Preference will be given to students enrolled in degree-granting institutions. Staff of the Ecosystems Center includes George M. Woodwell, director; Daniel B. Botkin; John E. Hobbie; Charles A. S. Hall; Bruce Peterson; Jerry Melillo, and others.

For further information and application forms write to **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543**. Deadline for applications for the fall semester is 1 June, for the spring semester, 1 November.

MARINE BIOLOGICAL LABORATORY Woods Hole, Massachusetts 02543 Announces Courses for 3 to 28 January 1977 for Advanced Undergraduates and Graduate Students

Developmental Biology—An intensive study of developmental processes and principles employing marine invertebrates and selected vertebrates. Walter S. Vincent, Instructor-in-Charge, University of Delaware.

Comparative Histology—Lecture and laboratory exercises in comparative structure and function of animal tissues using material available from electron microscopy. Keith R. Porter, Instructor-in-Charge, University of Colorado, and Marine Biological Laboratory.

Ecology—A lecture, laboratory, and field course on the structure, function, and interactions of ecosystems. George M. Woodwell, Instructor-in-Charge, The Ecosystems Center, Marine Biological Laboratory.

Behavior—An ethological approach to the biology of terrestrial and marine animal behavior. Robert L. Jeanne and Jelle Atema, Instructors-in-Charge, Boston University. Offered by the Marine Biological Laboratory in conjunction with the Boston University Marine Program.

Neurobiology—An intensive study of selected topics including lectures, seminars, and laboratory experiments with living material. Fred Lang, Instructor-in-Charge, Boston University Marine Program. Offered by the Marine Biological Laboratory in conjunction with the Boston University Marine Program.

Tuition—\$500; room and board—\$226.

For further information and application forms write to **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543**.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP. Applications are invited for postdoctoral research in the use of photochemical probes for the study of transfer RNA and ribosome structure. Position available on or about 1 September 1976 at a stipend of \$10,000 per annum. Send résumé to **Dr. Robert A. Zimmermann, Department of Biochemistry, University of Massachusetts, Amherst, Mass. 01002**. *An Affirmative Action/Equal Opportunity Employer.*

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN HUMAN BIOCHEMICAL GENETICS. Opportunity for research and training in inherited disorders of glycoprotein-glycolipid metabolism and lysosomal physiology and enzymology in research and clinical setting. Applicants should have Ph.D. or M.D. and research training in biochemistry, biochemical genetics, or immunology. Send curriculum vitae and names of three references to **Dr. R. J. Desnick, Box 231 Mayo, University of Minnesota Hospitals, Minneapolis, Minn. 55455**. Deadline 15 May 1976.

POSTDOCTORAL FELLOWSHIP IN HUMAN BIOCHEMICAL GENETICS available immediately for Ph.D. or M.D. to study lysosomal function in somatic cell hybrids. Experience in enzymology, tissue culture, electron microscopy desirable. Send curriculum vitae, background experience, research interests, and names of three references to: **M. C. Rattazzi, M.D., Division of Human Genetics, Department of Pediatrics, State University of New York at Buffalo, 86 Hodge Avenue, Buffalo, N.Y. 14222**. *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL FELLOWSHIPS IN NUTRITION and CARDIOVASCULAR DISEASE

Wide range of research training opportunities in the area of nutrition and nutritional biochemistry in relation to cardiovascular disease. Applicants should submit curriculum vitae, names of three references, and graduate/medical school transcript to **Dr. Robert P. Geyer, Department of Nutrition, Harvard School of Public Health, 665 Huntington Avenue, Boston, Massachusetts 02115**.

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CARDIOVASCULAR RESEARCH FELLOWSHIP. Postdoctoral fellowship position for research training in:

- 1) Physiology, pathophysiology, and pharmacology of cardiac and skeletal muscle.
- 2) Reflex control of the circulation.
- 3) X-ray videometry; clinical and basic ultrasound; three-dimensional reconstruction.
- 4) Atherosclerosis; platelet inhibitors; hypertension.
- 5) Computer applications in clinical cardiology.

Position available immediately for candidates with M.D. or Ph.D.; stipend \$12,600 and up, depending on experience. May combine with advanced clinical training in cardiovascular medicine. Contact **Robert G. Tancredi, M.D., Director, Cardiovascular Research Training Program, Mayo Clinic, Rochester, Minn. 55901**. *An Equal Opportunity Employer.*

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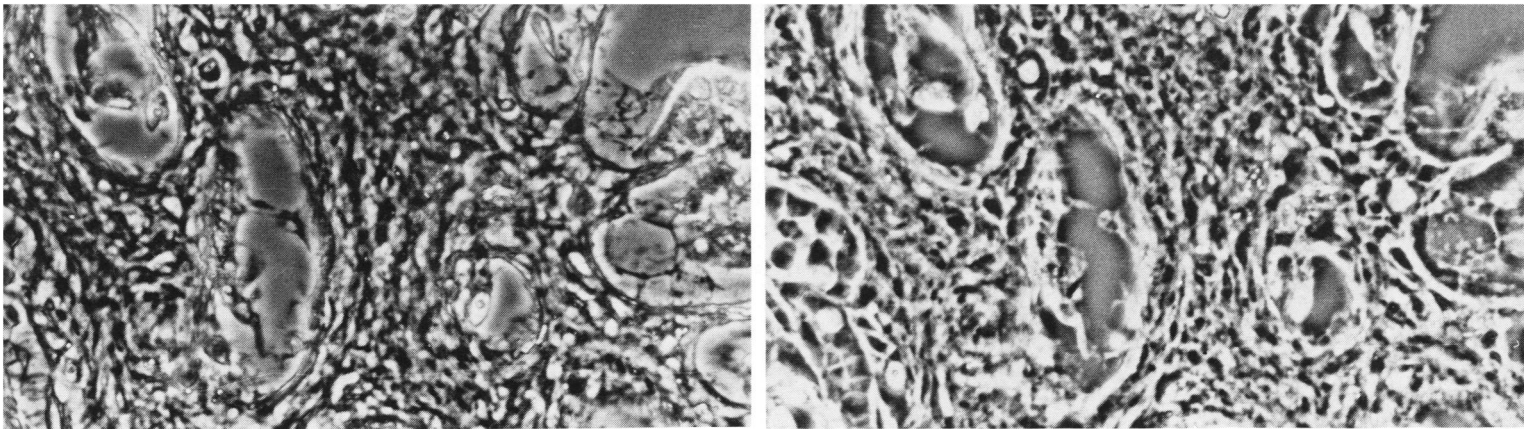
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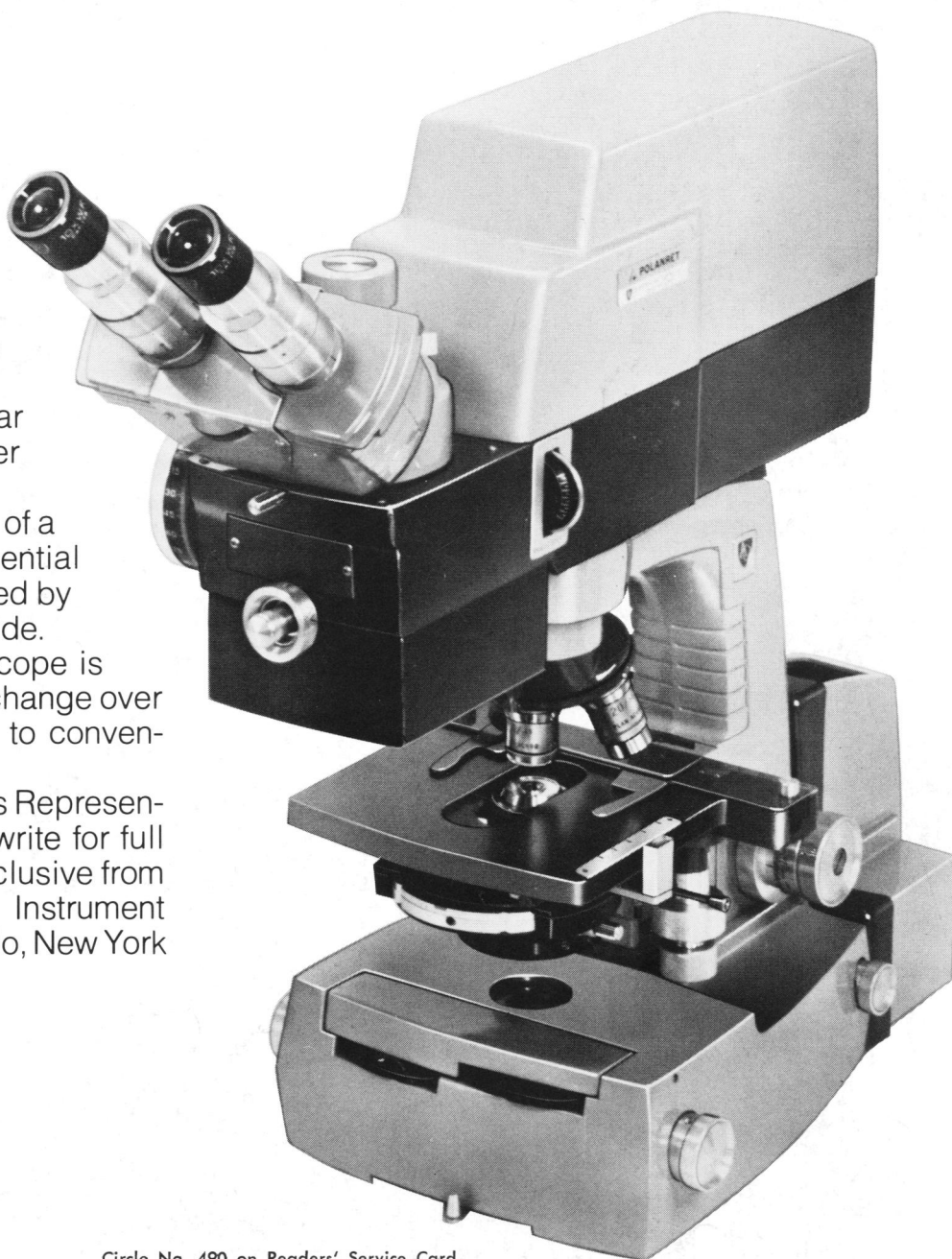
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