

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): \$145 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, 3½ 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

Biochemical Nutritionist. Ph.D. 1974. Research experience in nutrition, obesity, and regulation of lysosomal enzymes during development. Publications. Seeks research/supervisory position in industry. Box 146, SCIENCE. X

Biochemist. Ph.D. 1968. Research experience in carbohydrate and lipid enzymology and lipid methodology; laboratory supervision. Seeking position with interdisciplinary research group. Box 147, SCIENCE. X

Biochemist/Endocrinologist. Ph.D. 1970. Experienced in hormone regulated cellular metabolism, isolation of lymphocytes, PMN, platelets, steroid metabolism, tissue culture. Seeks institutional/industrial position. Box 105, SCIENCE. X

Biomedical Communicator, for professional or lay audience. Interviewing, literature research, writing, editing, photography. Ph.D. in biochemistry, M.P.H. in epidemiology, university research/teaching background, plus newspaper and magazine experience. Award-winning science writer. Seeks permanent editorial position or free-lance assignments. P. L. Petrakis, 12115 Bluhill Road, Wheaton, Maryland 20902. 4/1, 8

M.S. Biometry/Statistics. B.A. mathematics. Also background in forestry/environmental sciences. Strong mathematical ability. Mathematical modeling in FORTRAN, APL. Experienced college instructor and teaching assistant for statistics courses, consulting with faculty and students. One paper and thesis published. Desires academic, industrial, or government position. Will relocate. P. Mohai, 871 Ostrom Avenue, Syracuse, New York 13210. X

Cell/Developmental Biologist. Ph.D., extensive teaching and research background with electron microscopy; 17 publications; seeks research/teaching position. Box 148, SCIENCE. X

Electronics Engineer—M.S.E.E., 25 years of experience. Design and development of special-purpose instruments, circuits, systems, and measuring apparatus. Available on a free-lance basis. Box 151, SCIENCE. X

Physicist. Ph.D., December 1976, in solid state theory with particularly strong mathematics background and several years computer experience desires challenging nonacademic position. Box 152, SCIENCE. X

POSITIONS WANTED

Clinical Biochemist. M.T., Ph.D. (biochemistry). Specialist in chemistry (ASCP), broad experience in clinical laboratory, radioimmunoassay, special chemistry, automation, method development, teaching, and management. Publications in clinical research. Seeks permanent position in clinical/industrial laboratory. Willing to relocate. Box 149, SCIENCE. 4/1, 8, 15

Creative Scientist. Ph.D. biochemistry, 1973. Seeks product development position in Washington, D.C. or San Francisco Bay area. Many patentable ideas for biomedical instrumentation; broad industrial, academic experience; innovative, hard worker. Box 150, SCIENCE. X

Geneticist. Ph.D. Diversified research experience in classical genetics, tissue culture, cell hybridization, and mammalian cytogenetics. Also teaching experience including undergraduate and medical school. Seeking research or teaching position, preferably in West or Southwest. L. M. Pasztor, 505 N.W. 185 Avenue, Beaverton, Oregon 97005; telephone: 503-645-1141. X

Psychophysiology—Psychosomatics. Ph.D. Broad international interdisciplinary research, teaching, and administrative experience. Seeks more challenging research and/or teaching position, preferably in medical center. Box 153, SCIENCE. X

Research Assistant. B.S., for work on use of ozone in onsite water or waste disposal systems. Seeks graduate or industrial position. G. Nault, P.O. Box 620, N. Turner, Maine 04266. X

POSITIONS OPEN

AIR POLLUTION SCIENTIST/ENGINEER

Staff scientist position available for a Ph.D. in air pollution control, atmospheric chemistry, chemical engineering, or related fields, with strong commitment to environmental protection and interest in action-oriented position in the Denver regional office of a national environmental organization. Demonstrated knowledge in air quality impacts of fossil fuel utilization and conversion, air quality modeling, or pollution control technology are also required. Familiarity with government regulations, ability to apply knowledge in own field to other environmental concerns, and economics background are desirable. Salary competitive. Send résumé, supporting documents, names of three references, and date of availability to:

Environmental Defense Fund, Inc.
1657 Pennsylvania Street
Denver, Colorado 80203

CORNELL UNIVERSITY

The Department of Poultry Science has an opening for an **ASSISTANT PROFESSOR** beginning 1 July 1977. Research/teaching in animal immunogenetics and/or cellular genetics emphasizing avian species. Ph.D. required with primary training in genetics, cell biology, or immunogenetics. Training or experience in related areas such as breeding, physiology, or pathology is desirable. Applicants must present evidence of ability to do independent research. Submit curriculum vitae, names of three references, synopsis of research plans, and reprints by 1 June 1977 to **Dr. Stephen E. Bloom, Chairman, Search Committee, Department of Poultry Science, Cornell University, Ithaca, New York 14853.** *Cornell University is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF EXPLORATION GEOPHYSICS IN THE UNIVERSITY OF CALIFORNIA, BERKELEY

Applications are invited for an assistant professor in the Engineering Geoscience Group in the field of applied or exploration geophysics. Applicants should have a Ph.D. and have a demonstrated interest in teaching and research dealing with the application of geophysics in the broad area of energy and mineral exploration. Address inquiries to **Chairman, Department of Materials Science and Mineral Engineering, University of California, Hearst Mining Building, Berkeley, California 94720.** *The University of California is an Affirmative Action and Equal Opportunity Employer. Minority and women candidates are encouraged to apply.* Closing date for applications: 31 May 1977.

POSITIONS OPEN

ANATOMISTS. Three positions: one to teach medical gross anatomy and neuroanatomy at assistant professor level; one to teach undergraduate human anatomy at assistant professor level; one to teach undergraduate human anatomy at the instructor level. Applicants for assistant professor should hold a Ph.D. or M.D. degree and will be expected to develop a strong research program and also participate in graduate teaching. Applicants for instructor should hold at least an M.S. degree. Submit curriculum vitae and three references before 22 April to **Dr. Antonio Zappala, Chairman, Department of Anatomy, Wright State University, Dayton, Ohio 45431.** *An Equal Opportunity/Affirmative Action Employer.*

VISITING ASSISTANT PROFESSOR. The Biology Department at Clark University anticipates a 1-year opening as a sabbatical replacement beginning 1 September 1977. Applicants should be qualified to teach microbiology to undergraduates and be willing to participate in our introductory biology program. Submit a curriculum vitae and names of three references to **R. G. Sherman, Chairman, Biology Department, Clark University, Worcester, Mass. 01610.** *Equal Opportunity/Affirmative Action Employer.*

Two **VISITING ASSISTANT PROFESSORS** for 1977–78 academic year only, beginning September 1977. Faculty are required to teach as follows: (i) senior level developmental biology and participation in the introductory biology program, and (ii) advanced and introductory genetics—research ability in organismic or population genetics would be advantageous. Applicants who have Ph.D. degree are invited to submit curriculum vitae and three letters of recommendation by 1 May 1977 to: **Chairman, Department of Biological Sciences, Wright State University, Dayton, Ohio 45431.**

An Affirmative Action/Equal Opportunity Employer

ASSISTANT PROFESSORS—Two positions available at Jefferson Medical College in the Department of Microbiology. In one opening candidate will teach graduate and undergraduate courses and conduct independent research and must have experience in infectious diseases and general microbiology. Duties of other opening are to conduct independent research and teach medical students in graduate courses, and 2 years of postdoctoral experience in cell mediated immunity are required. Qualified applicants for either position should send curriculum vitae to **Russell W. Schaedlar, Chairman, Department of Microbiology, 1020 Walnut Street, Philadelphia, Pa. 19107.** *Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF BIOCHEMISTRY with Ph.D. or comparable degree, strong background in membrane or immunobiochemistry. Capability for establishing independent research program and providing excellent professional and graduate teaching is essential. Position available immediately. Please send curriculum vitae and references by 15 May 1977 to: **Dr. W. H. Horner, Chairman, Department of Biochemistry, Georgetown University, Schools of Medicine and Dentistry, Washington, D.C. 20007.** *Georgetown University is an Affirmative Action/Equal Opportunity Institution.*

ASSISTANT PROFESSOR OF BIOLOGY

Undergraduate department needs Ph.D. with competence in human anatomy and physiology, and dedicated interest in teaching introductory biology. Staff position, \$12,500 for 9 months, to begin September 1977. Send résumé, transcripts, and three letters of reference by 29 April to:

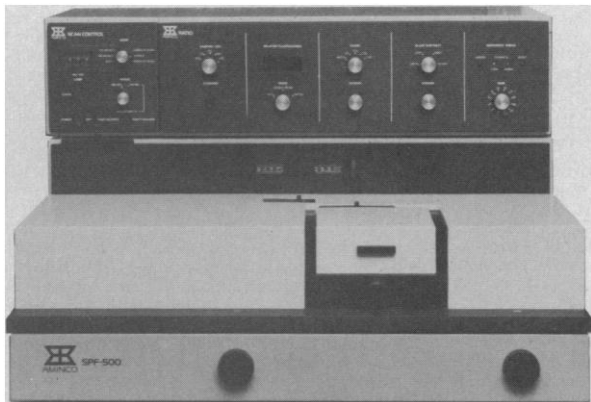
P. K. Holmes, Chairman
Department of Biology
University of Maine, Portland-Gorham
Portland, Maine 04103

ASSISTANT PROFESSOR OF PLANT PHYSIOLOGY

Position available 1 September 1977; 10½-month appointment, salary \$16,750. Appointee will teach courses in introductory plant physiology and applied plant physiology. Preference will be given to persons whose research experiences and interests are in quantitative aspects of crop physiology and/or application of physiology for crop improvement. Applications accepted through 15 May 1977. Applicants must have Ph.D. and should send curriculum vitae, including a concise description of teaching and research background, transcripts, and three letters of reference to: **Dr. A. C. Purvis, Chairman of Search Committee, Department of Plant Sciences, Texas A & M University, College Station, Texas 77843.** *An Equal Opportunity/Affirmative Action Employer.*

KISS

Keep It Simple Spectrofluorometer



The AMINCO SPF-500™ Spectrofluorometer simplifies the measurement process by using the unique AUTORANGING SYSTEM that automatically performs all scaling functions and range selection without operator intervention. The SPF-500™ Spectrofluorometer measurements simplify to:

1. inserting sample
2. closing sample compartment cover
3. reading digitally displayed value

Other outstanding features of the SPF-500 Ratio and Corrected Spectra Spectrofluorometers include:

- superior resolution and sensitivity
- high-intensity excitation source
- digital readouts
- 4-cell sample compartment
- flexibility
- ease-of-operation

From Aminco, the leader in the fluorescence field.

See the Aminco Spectrophotofluorometers at the FASEB, Federation of American Societies for Experimental Biology, Meeting AMINCO booths R19 thru R22 and S19 thru S22.

For further details, contact your local representative or

AMINCO®

AMERICAN INSTRUMENT COMPANY
DIVISION OF TRAVENOL LABORATORIES, INC., Silver Spring, Md. 20910-Phone: 301-589-1727

©1977 Travenol Laboratories, Inc.

I could not keep up with the literature without *Current Contents*. It is an outstanding and invaluable alerting service.

—Barry Zirkin, Ph.D.
Researcher, Cell Biology
Johns Hopkins University
Baltimore, Md.

DOES THIS CELL BIOLOGIST KNOW SOMETHING YOU DON'T ABOUT MONITORING THE JOURNAL LITERATURE?

Successful researchers like cell biologist Barry Zirkin know the importance of staying on top of the current journal literature.

That's why Dr. Zirkin relies on our weekly service, *Current Contents* (CC®), for keeping abreast of new information relevant to his interests.

CC's six editions reproduce tables of contents from the world's leading journals of science and technology in every major discipline.

Perhaps you know about *Current Contents* but don't yet have it working for you. Or you may never have heard of it until now. Either way, you can believe experienced users when they say CC is an efficient and effective current awareness tool. Or even better—you can

FIND OUT FOR YOURSELF

with a free sample copy of *Current Contents*®

to get it, just enter your name and address on the coupon—check the CC edition you want—and mail the coupon to us. Do it today.

©1977 ISI

Yes, I'd like to find out about *Current Contents*® for myself. Please send me a sample copy of the edition I've checked.

- | | |
|---|--|
| <input type="checkbox"/> CC®/Life Sciences | <input type="checkbox"/> CC/Clinical Practice |
| <input type="checkbox"/> CC/Physical & Chemical Sciences | <input type="checkbox"/> CC/Engineering, Technology & Applied Sciences |
| <input type="checkbox"/> CC/Agriculture, Biology & Environmental Sciences | <input type="checkbox"/> CC/Social & Behavioral Sciences |

Name

Title

Organization Department

Address

City

State/Province Zip

Country Telephone

29-11497

ISI® Institute for Scientific Information®
325 Chestnut St., Phila., Pa. 19106, U.S.A.
Tel: (215) 923-3300. Cable: SCINFO. Telex: 84-5305

POSITIONS OPEN

ASSISTANT PROFESSOR OF BOTANY opening for September 1977 at undergraduate liberal arts institution with emphasis on teaching. Seeking botanist with Ph.D. to teach introductory botany course, develop upper division courses in area of plant physiology, direct undergraduate research, and manage small on-campus modern greenhouse facility. Closing date for applications is 15 April. Send curriculum vitae, transcripts, three references, and statement of personal goals to: **Botanist Search Committee, Biology Department, Bannow Science Center, Fairfield University, Fairfield, Connecticut 06430. Fairfield University is an Affirmative Action/Equal Opportunity Employer, M/F.**

Dartmouth College is seeking an **ASSISTANT PROFESSOR** in the area of **molecular genetics**. The ideal candidate might be one with training in prokaryotic systems with current research on a eukaryotic organism. Postdoctoral experience and evidence of research productivity beyond the doctoral dissertation are essential. Send curriculum vitae and reprints, and arrange for three letters of recommendation to be sent to: **R. D. Allen, Chairman, Department of Biological Sciences, Dartmouth College, Hanover, N.H. 03755. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF PHYSIOLOGY

Applicants are invited for a position of assistant professor in physiology, School of Life and Health Sciences, University of Delaware. The appointment, to be available in September 1977, is a tenure-track position. Experience in cardiovascular and/or pulmonary physiology preferred. The candidate will be expected to teach a course in mammalian systems physiology at the introductory or advanced levels as well as a graduate course in the area of specialization. An active and independent research program is expected and encouraged. The candidate must be able to interact effectively with interested disciplines and with members of the surrounding medical community. Applicants should send a curriculum vitae and three letters of reference to **Dr. A. M. Granda, Institute for Neuroscience and Behavior, University of Delaware, Newark, Delaware 19711.** A copy of a recent reprint or preprint would be appreciated. Closing date: 1 May 1977.

The University of Delaware is an Equal Opportunity Employer.

ASSISTANT RESEARCH SCIENTIST OR POSTDOCTORAL FELLOW/NEPHROLOGY (Department of Medicine). Research on identification and purification of membrane proteins associated with specific transport functions in high resistance epithelia. Ph.D. required. Training in membrane transport or proteins desirable. Salary to \$15,000. Send curriculum vitae to **D. D. Fanestil, Basic Science Building, M-013, University of California, San Diego, La Jolla, California 92093. The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.**

ASSOCIATE DEAN for new, innovative, community-oriented School of Public Health wanted for further integrated development of professional graduate degree programs in five major health fields and administration of interdisciplinary and interagency faculty. Both strong academic background and professional experience in public health very desirable. Zest, stamina, collaborative collegiality, and capacity for orderly facilitative administration are essential. For further details please contact

**Rolf P. Lynton, Dean
School of Public Health
University of South Carolina
Columbia, South Carolina 29208**

The University of South Carolina is an Equal Employment Opportunity and Affirmative Action Employer.

ASSOCIATE DEAN FOR CLINICAL AFFAIRS. Responsibilities include programs of eight clinical departments, including budget; clinical activities; residency programs; liaison with affiliated hospitals; and communication between the dean and the clinical chairmen. Some clinical practice permitted, and active teaching encouraged. Academic administrative experience required. Send curriculum vitae to **Joseph M. Garfunkel, M.D., Professor and Chairman, Department of Pediatrics, Chairman, Search Committee, Southern Illinois University School of Medicine, P.O. Box 3926, Springfield, Illinois 62708.**

An Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

THE UNIVERSITY OF CALGARY DEPARTMENT OF BIOLOGY

ASSISTANT PROFESSOR IN VIROLOGY

Applications are invited from virologists, interested and committed to excellence in undergraduate teaching as well as graduate teaching and research, for the following post that will become available on 1 August 1977.

Assistant professor to be responsible for a course in virology at the senior undergraduate level and to assist in teaching immunology and general cell biology. An assistant professor is a full-time teaching appointment with a salary having a floor of \$16,630 per annum (likely to be adjusted effective 1 July 1977). This appointment will be made for a 3-year term (in the first instance).

Applicants should submit curriculum vitae and ask three referees to send letters of reference to **Dr. J. H. Williamson, Head, Department of Biology, University of Calgary, Calgary, Alberta, Canada T2N 1N4 by 31 May 1977.**

BIOLOGICAL OCEANOGRAPHY POSITION

The University of Hawaii, Department of Oceanography, is advertising for one full-time, tenure-track, faculty position at the rank of assistant professor in biological oceanography available 1 September 1977. Preference will be given to ecologists with interests in heterotrophic microbiology; however, all biological oceanographers are encouraged to apply. Send curriculum vitae and names of three persons from whom we may solicit letters of reference to **Dr. E. A. Laws, Department of Oceanography, 2525 Correa Road, University of Hawaii, Honolulu, Hawaii 96822.**

An Equal Opportunity/Affirmative Action Employer. Closing date: 29 April 1977.

DEPARTMENT OF BIOLOGY, UCLA

The department has two temporary 1-year teaching positions available beginning September 1977. Applicants must have a Ph.D. degree and the qualifications to teach large undergraduate core courses in either physiology (general and cell) or environmental biology, and to participate in the introductory biology course. Applicants should send a curriculum vitae, including names and addresses of three referees to: **Search Committee, Biology Department, UCLA, Los Angeles, Calif. 90024, before 15 April 1977.**

An Equal Opportunity/Affirmative Action Employer

BIOLOGIST OR ZOOLOGIST: Gallaudet, a liberal arts college for the deaf, is seeking a full-time biology instructor or assistant professor capable of teaching courses on all levels (preparatory science through major level courses). Instruction is in simultaneous speech and sign language; compensation for sign language study is provided. Required: master's degree. Preferred: doctoral degree. Applications to **Dr. Eveline B. Lloyd, Chairperson, Biology Department, Gallaudet College, Washington, D.C. 20002. Equal Opportunity Employer/Educational Institution.**

BIOLOGY FACULTY POSITION

Available fall 1977. Ph.D. with a background in plant science (cytology and physiology). Some experience in ecology or radiation biology an asset. Assistant-associate level depending on experience. Interested persons should respond with a letter of application, a résumé, and three letters of recommendation by 25 April to: **Chairman, Biology Department, La Salle College, 20th and Olney Avenues, Philadelphia, Pa. 19141. An Equal Opportunity/Affirmative Action Employer.**

BOTANIST. Instructor or assistant professor. Tenure-track for person actively engaged in botanical research. Responsibilities include: laboratory courses in general botany and plant physiology, an advanced seminar (as enrollments permit), and direction of undergraduate and MS research. Consideration given to candidates who, in alternative years, would mount or cooperate in teaching an introductory or "foundations" course in biology instead of one of the above laboratory courses. **Position available 1 September 1977; deadline for completed applications: 25 April 1977.** Send résumé, statement of teaching and research interests, all undergraduate and graduate transcripts, and three recent letters of recommendation to: **Christopher Watters, Ph.D., Chairman, Department of Biology, Middlebury College, Middlebury, Vermont 05753. An Equal Opportunity Employer.**

POSITIONS OPEN

University of Minnesota seeks **BIOLOGICAL ANTHROPOLOGIST**, specialty in medical anthropology or behavioral biology, for 1-year assistant professor/instructor appointment beginning 16 September 1977. Department anticipates University approval of tenure-track position for 1978 in which case successful 1977 applicant will be considered. Ph.D. preferred; ABD considered for 1977 opening. Will teach courses in human biology plus specialty. Send curriculum vitae and sample of written work; request three letters of reference be sent to **Eugene Ogan, Chairperson, 215 Ford Hall, University of Minnesota, Minneapolis, Minnesota 55455.** Closing date: 1 May 1977. *Equal Opportunity/Affirmative Action Employer; seeking applications from qualified women/members of minority groups.*

CELLULAR IMMUNOLOGIST wanted for position at associate professor level. Must have research experience in immunologic reactions within tumors and in macrophage function and be capable of leading a sophisticated research laboratory. Candidates must have documented proof of scientific quality, for example, at least \$100,000 per year in grant funds, membership on editorial boards of at least two major journals, and demonstrated teaching ability, that is, must have trained graduate students who now hold faculty positions. **Box 134, SCIENCE.**

The UCLA School of Medicine is seeking the most highly qualified person to become **CHAIRMAN** of its Department of Pediatrics on 1 July 1977. Candidates must have substantial background in academic pediatrics, with interest and experience in patient care, teaching, research and administration. *UCLA is an Equal Opportunity/Affirmative Action Employer and encourages minority and women candidates to apply.* Interested persons should submit letters summarizing their qualifications to: **Chairman, Pediatrics Search Committee, c/o Dean, UCLA School of Medicine, Los Angeles, California 90024.**

CHAIR OF MICROBIOLOGY

Cornell University Medical Center seeks a distinguished microbiologist for appointment as professor and chairperson, Department of Microbiology. Candidates must present evidence of experience and accomplishment in teaching, research, and administration. Send credentials to:

**Microbiology Search Committee
Room A-128
CORNELL UNIVERSITY
MEDICAL COLLEGE
1300 York Avenue, N.Y., N.Y. 10021
*Equal Opportunity Employer, M/F***

The University of California, Los Angeles, invites applications for the newly established **ELEANOR LESLIE CHAIR OF NEUROSCIENCE** from neuroscientists of outstanding accomplishments and international recognition. The search committee favors candidates whose research interests lie in the area of molecular neurobiology and/or the structures, properties, or biogenesis of neurotransmitter receptors, but highly qualified candidates from any other area of neuroscience will be considered.

Applications or nominations should be submitted with a curriculum vitae and bibliography to:

**Chairman, Leslie Search Committee
c/o Dean's Office
UCLA School of Medicine
Los Angeles, California 90024**

All applications and inquiries will be treated in strict confidence. *All candidates who meet the above qualifications are encouraged to apply regardless of sex or ethnic origin. UCLA is an Equal Opportunity/Affirmative Action Employer.*

CHAIRMAN, DIVISION OF BIOLOGY

Division of Biology, California Institute of Technology, Pasadena, California 91125 is seeking a chairman. Applicants should have demonstrated excellence in research in either genetic-molecular-cellular or neuro-behavioral biology and should have proven administrative capacity. All qualified applicants will be considered without regard to race, national origin, religion, or sex. Send curriculum vitae and list of publications to **Chairman, Search Committee** at the above address, by 1 May 1977.

POSITIONS OPEN

CHAIRMAN OF RADIOLOGY

At major New York City medical school. Administration, service, teaching, and research experience required. Please submit curriculum vitae to:

BOX 156, SCIENCE
An Equal Opportunity Employer

CHAIRPERSON DEPARTMENT OF MEDICAL SCIENCES

Southern Illinois University School of Medicine, Springfield, invites nominations and applications for the position of chairperson of the Department of Medical Sciences, available 1 July 1977.

The Department is a multidisciplinary unit with 15 full-time faculty with teaching, research, and service responsibilities in pharmacology, cell and molecular biology, and advanced microbiology.

The position will afford a unique opportunity to promote interaction between clinical and basic science faculty who share more than 50,000 square feet of new laboratory facilities fully equipped for research and instruction in pharmacology, biochemistry, immunology, electron microscopy, surgery, microbiology, and physiology.

Qualifications should include senior academic and/or professional credentials, demonstrated administrative ability, and a demonstrated commitment to excellence in research.

Please direct correspondence within 45 days of this publication to: **Dr. Donald H. Pearson, Chairman, Medical Sciences Search Committee, Southern Illinois University School of Medicine, P.O. Box 3926, Springfield, Ill. 62708.**

An Equal Opportunity/Affirmative Action Employer

UNIVERSITY OF CALIFORNIA, IRVINE

The University of California, Irvine, Department of Psychiatry and Human Behavior, invites applicants for a full time position as **CHIEF, PSYCHIATRIC SERVICE**, Long Beach, V.A. Hospital, with university faculty appointment at professor level. The LBVAH program is a fully integrated component of the UCI medical student and residency training programs in psychiatry. M.D. degree, 3 years of accredited psychiatric residency, California licensure, and evidence of senior levels of academic performance required. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae and names of three references to **Dr. E. Mansell Pattison, University of California, Irvine, Calif. 92717.**

CIVIL ENGINEERING FACULTY POSITION IN ENVIRONMENTAL SCIENCES

Joint appointment as **adjunct assistant professor** at the University of Maryland, Appalachian Environmental Laboratory and Civil Engineer for Maryland Bureau of Mines. Ph.D. required with at least an M.S. degree in civil engineering. Tenure potential. Duties include: (i) teaching undergraduate civil engineering courses in a Mining and Reclamation Specialist Program being developed cooperatively by the Bureau of Mines, Frostburg State College and the Appalachian Environmental Laboratory; (ii) evaluating mining and reclamation plans for the Bureau of Mines; and (iii) conducting research at the Appalachian Environmental Laboratory. Applicant should have training and experience in agronomy, horticulture, forestry, or plant ecology as related to reclamation of disturbed lands. Send résumé and three letters of recommendation to **Dr. Joseph A. Chapman, Head, Appalachian Environmental Laboratory, Center for Environmental and Estuarine Studies, University of Maryland, Frostburg State College Campus, Gunter Hall, Frostburg, Maryland 21532. Telephone: 301-689-3115.** Applications will be accepted until 18 April 1977. *Equal Employment Opportunity/Affirmative Action.*

DIRECTOR, Cytogenetics Laboratory. M.D./Ph.D. to supervise a large clinical/research unit in a multidisciplinary university-affiliated Medical Center. Major emphasis in prenatal diagnosis. Permanent position. Please forward curriculum vitae to:

Search Committee
Eunice Kennedy Shriver Center
for Mental Retardation, Inc.
Waltham, Mass. 02154

An Equal Opportunity Employer, M/F

POSITIONS OPEN

Continuing search for **DEAN**, School of Natural Sciences and Mathematics, Slippery Rock State College. Duties: responsible for providing leadership in developing and strengthening programs in the disciplines of biology, chemistry, geology, mathematics, and physics; assist in the development of academic policy and criteria; provide direction and supervision in matters of budget, personnel, and research. Qualifications: significant experience in college teaching; earned doctorate in one of the school's disciplines; demonstrated leadership and administrative ability. Starting date: 22 August 1977. Salary: \$26,641 to \$34,993. Applications containing résumés, undergraduate and graduate transcripts, three letters of recommendation and other supporting documents should be submitted no later than 15 May 1977 to: **Louis Razzano, Chairman, Search Committee, Slippery Rock State College, Slippery Rock, Pa. 16057.** An Equal Opportunity/Affirmative Action Employer.

DIRECTOR YERKES REGIONAL PRIMATE RESEARCH CENTER EMORY UNIVERSITY

Emory University seeks applications for the position of director, Yerkes Regional Primate Research Center. Qualifications sought are a doctoral degree; leadership in interdisciplinary research management; experience in dealing with federal, state, and industrial funding sources; and a knowledge of general university administrative operations. Also desired is a distinguished research record in biological, behavioral, or medical science, as well as experience in teaching and research direction at the graduate level. Applications or nominations with current résumés, names of three professional references, and other pertinent information should be submitted prior to 1 June 1977, to the chairman of the search committee: **Orie E. Myers, Jr., Vice President for Business, Emory University, Atlanta, Georgia 30322.** An Equal Opportunity/Affirmative Action Employer

DIVISION CHIEF IN RHEUMATOLOGY—The Department of Medicine at the University of North Carolina in Chapel Hill is establishing a new Division of Rheumatology with primary responsibility for clinical service, teaching, and research in arthritic diseases. The division chief to be chosen should have demonstrated abilities in clinical rheumatology, a commitment to teaching and a successful background in a related field of research. The appointment will be at the rank of associate professor or professor, and there will be an immediate opportunity to recruit additional division members. The Medical School offers an excellent environment for the growth of a rheumatology program, with strengths in basic and clinical immunology, orthopedic surgery, physical therapy, and rehabilitation. Send curriculum vitae to **David Ontjes, M.D., Department of Medicine, University of North Carolina, 521 Clinical Sciences Building, 299-H, Chapel Hill, N.C. 27514.** The University of North Carolina is an Equal Opportunity/Affirmative Action Employer.

ENVIRONMENTAL CHEMISTRY AND TOXICOLOGY OF PESTICIDES

The Department of Entomology has a research position, available immediately, for a 12-month faculty position as assistant or associate professor.

Applicants should have a Ph.D. degree with a broad training in the physical and biological sciences.

Research responsibilities will focus on studies of the fate and impact of pest control chemicals in the environment. Typical areas of study might be the persistence and degradation of pesticides in the environment, pesticide transport in the environment or biotransformation and accumulation of pesticides in ecosystems. The applicant should have excellent abilities as an analytical chemist, but should also be able to relate the analytical results to the environmental fate and hazard of pesticides to man and other nontarget organisms.

Teaching responsibilities will include supervision of graduate students and some course instruction based on departmental need and scientist's interest.

Applications consisting of a curriculum vitae, graduate transcripts, manuscripts, a brief outline of future research plans, and three letters of recommendation should be sent before 15 April 1977 to:

Dr. Eldon E. Ortman, Head
Department of Entomology
Purdue University
West Lafayette, Ind. 47907

Purdue University is an Equal Access/Equal Opportunity Employer.

POSITIONS OPEN

DIRECTOR OF RESEARCH MOUNT SINAI HOSPITAL TORONTO, CANADA

Applications are invited for the position of director of research at Mount Sinai Hospital, Toronto, Canada. Mount Sinai Hospital is a 608-bed active care teaching hospital affiliated with the Faculty of Medicine, University of Toronto.

Function: to be responsible for the administration and direction of the Research Department.

Qualifications: a physician and/or scientist with demonstrated ability in the field of clinical and/or basic research, and administration.

The department: the Research Department encompasses 14,000 square feet of research laboratories and a 6,000-square-foot animal colony.

Please send curriculum vitae or letter of enquiry to:

Search Committee
c/o Executive Director
Mount Sinai Hospital
600 University Avenue
Toronto, Ontario
Canada M5G 1X5

EDITORS: experienced editors in the physical and life sciences are required for a challenging new publishing venture in an eastern location. Applicants should possess sound knowledge of one or more of the several subject areas involved, and a balanced view of modern trends and developments in these fields. Reply in confidence giving a summary account of academic background, editorial experience, and relevant curriculum vitae, to

Box 155, SCIENCE

ELECTRON MICROSCOPY TECHNICIAN

Notre Dame Department of Biology has an immediate opening for an electron microscopy technician with training in SEM and TEM. Duties will include teaching, sample preparation, microscope use and maintenance, and photographic work. Send curriculum vitae and references by 15 April to: **Dr. Lloyd A. Davidson, Department of Biology, University of Notre Dame, Notre Dame, Indiana 46556.**

ELECTROPHYSIOLOGIST, to study electrophysiology of the liver and **BIOCHEMIST** to study hormonal regulation of liver metabolism. Both postdoctorate or research associate positions. Write **N. Friedmann, Ph.D., Department of Physiology, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025.** An Equal Opportunity/Affirmative Action Employer.

University of Washington Department of Environmental Health FACULTY POSITION AVAILABLE

Faculty position immediately available for experienced **ENVIRONMENTAL TOXICOLOGIST**. Responsibilities include participation in teaching of medical students, nurses, industrial hygienists and physicians, and the development of a major research effort in occupational and environmental toxicology. Appropriate Ph.D. required in addition to a minimum of 5 years experience and evidence of productive scientific output. Should be certified by or eligible for certification by the American Board of Industrial Hygiene. *Women and minorities are encouraged to apply.* Send résumé and references to: **Chairman, Toxicology Search Committee, Department of Environmental Health SC-34, School of Public Health and Community Medicine, University of Washington, Seattle, Washington 98195.** The University of Washington is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN PHYSIOLOGY University of California, San Francisco

The Department of Physiology, University of California, San Francisco (UCSF), is seeking applicants for a faculty position which will be available 1 January 1978 at the assistant, associate, or full professor level. We are looking for a neural scientist who will conduct an active research program on neuronal mechanisms in the central nervous system, teach medical students, and participate in advanced graduate courses. Those interested should send curriculum vitae, bibliography, and names of references to **William F. Ganong, M.D., Chairman, Department of Physiology, University of California, San Francisco, California 94143.** UCSF is an Equal Opportunity/Affirmative Action Employer. *Women and minorities are encouraged to apply.*

POSITIONS OPEN

FACULTY OPENING—Harvard University. The Harvard School of Public Health seeks an economist at the assistant professor level. Applicants should have an academic background in health economics, decision theory, and the economic problems of regulation. Interests in occupational and environmental health are desirable. Teaching responsibilities will include graduate students and executives from the health field who return to school for short intensive courses. Ph.D. in economics required. Send current curriculum vitae to **Director, Executive Programs, Harvard School of Public Health, 677 Huntington Avenue, Boston, Mass. 02115. An Affirmative Action/Equal Opportunity Employer.**

FACULTY POSITIONS

FOOD PROCESS ENGINEER/FOOD SCIENTIST

Ph.D. with documented excellence in food engineering and food processing research. Industrial experience desirable. Undergraduate and graduate teaching, research, and service responsibilities. Rank and salary open.

FOOD SCIENCE/MANAGEMENT

Assistant professor: Ph.D. in food science with background in food systems management. Demonstrated research capability. Teaching courses in food processing, management, and quality evaluation; accompanying research and service responsibilities. Salary open.

Positions available 1 September 1977. Send résumé, official transcripts, and names of four referees before 21 April 1977, to **Dr. R. J. H. Gray, Chairperson, Search Committee Food Science and Human Nutrition, College of Home Economics, University of Delaware, Newark, Delaware 19711. Telephone: 302-738-8407.**

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

FACULTY POSITIONS

1977-78

Biochemistry and physiology. Long-short term. Write **Dr. D. Cerra, Dean, School of Medicine, Catholic University of Puerto Rico, Station 6, Ponce, P.R. 00731.**

Rutgers University, Coordinated Department of Physiology, has three tenure-track **FACULTY POSITIONS** to fill by fall 1977. These positions which involve both graduate and undergraduate teaching are: (i) associate professor of endocrinology or reproductive physiology, (ii) neuroendocrine physiologist at assistant professor level with EM experience, and (iii) environmental physiologist, assistant professor to teach general and comparative physiology and basic course in zoology. Applicants should send curriculum vitae, bibliography, and names of three referees to **Search Committee, c/o James W. Green, Department of Physiology, Rutgers University, Piscataway, New Jersey 08854. Rutgers is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION as assistant professor in the Department of Microbiology/Immunology is available for a person with a research interest in bacterial cell envelopes or in bacterial physiology. Responsibilities include teaching medical and graduate students and organizing an independent research program. Applicants should submit curriculum vitae and supporting material by 15 April 1977 to **Dr. L. A. Caligiuri, Department of Microbiology and Immunology, Albany Medical College of Union University, Albany, New York 12208. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION—PHARMACOLOGY

Applications are invited for a faculty position in pharmacology at the University of Southern California, School of Pharmacy, beginning July 1977. Responsibilities include instruction as part of a clinical health science program, graduate education, and development of an active research program. The School occupies a modern, well-equipped facility and excellent opportunities exist for collaborative research with other health science schools and clinicians. Salary, rank commensurate with experience. Send curriculum vitae and names of three references to: **Dr. Jordan L. Cohen, USC School of Pharmacy, 1985 Zonal Avenue, Los Angeles, Calif. 90033. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

FACULTY POSITIONS

Faculty positions in molecular or microbial genetics, microbiology, plant physiology, molecular biology, marine biology, marine ecology, and human biology. The Department of Biology invites applications for full-time faculty positions available August 1977 at the assistant professor level. Candidates should have a Ph.D. and be prepared to establish an independent research program and to undertake an active role in the graduate and undergraduate teaching activities in the department. Salary: \$14,300. Applicant should send complete curriculum vitae with reprints, research interests, copies of official transcripts, and three letters of reference to: **Chairperson, Department of Biology, Faculty of Natural Sciences, University of Puerto Rico, Río Piedras, Puerto Rico 00931.**

FACULTY POSITION, BIOLOGY, September 1977, York College, City University of New York: assistant or associate rank. Teaching and research competence in one or more of the following: terrestrial ecology, plant physiology, developmental biology, histology. Introductory courses in biology as well as other undergraduate teaching and research. Ph.D. required. Send résumé, teaching and research interests, and three references to: **Dr. Leslie A. Lewis, Department of Natural Sciences, York College, City University of New York, Jamaica, N.Y. 11451. An Affirmative Action/Equal Opportunity Employer.**

FISHERIES SCIENTIST. Tenure track faculty position teaching undergraduate and graduate courses, directing students, and contributing to the research program. Background in fish physiology/behavior preferred. Submit curriculum vitae, transcripts, and names of three references by 1 May to **Dr. Gerald H. Cross, Department of Fisheries and Wildlife Sciences, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. VPI & SU is an Affirmative Action/Equal Opportunity Employer.**

GEOCHEMIST

The Department of Geology of the Université de Montréal is seeking to fill an academic post for a geochemist open as of June 1977. The successful applicant will have a broad geochemical background, be expected to teach undergraduate and graduate courses in geochemistry, supervise graduate student research at the Ph.D. level, and take responsibility for geochemical laboratories involving x-ray fluorescence, atomic absorption, gamma-ray spectroscopy, and standard wet chemical facilities. The Université de Montréal is a French-speaking university and the candidate must either be fluent in French or must teach in French within his/her first 3-year stay in the department. Applicants for this position must hold a Ph.D. degree and salary is commensurate with rank.

Qualified persons should send a complete résumé, including names of references, a statement of research interests, and planned research projects to **Monsieur le Directeur, Département de Géologie, Université de Montréal, C.P. 6128, Montréal H3C 3J7 Canada.**

UNIVERSITY OF OKLAHOMA COLLEGE OF MEDICINE

Applications are solicited for an **INSTRUCTOR**, Department of Pathology. Assistant coordinator of hematopathology. Examination of hematologic material, blood smears, bone marrow material, and lymph nodes. Close liaison with Hemato-Oncology Division. Advisory role in Hematology Lab Service. Teaching of medical students and medical technology students. Applicants should send curriculum vitae to: **Dr. Thomas N. Lynn, Dean, College of Medicine, P.O. Box 26901, Oklahoma City, Oklahoma 73190. Equal Opportunity Employer.**

MANAGER, CLINICAL CANCER INFORMATION SYSTEM

The Fred Hutchinson Cancer Research Center is seeking a statistician, computer scientist, or medical records administrator having substantial experience with a large computer-based tumor registry or other clinical information system. The successful candidate, who must possess a master's degree and be able to communicate effectively with medical and technical personnel, will manage a new contract-supported program. Send letter of application, résumé, references, and salary requirements to **Personnel Officer, Fred Hutchinson Cancer Research Center, 1124 Columbia Street, Seattle, Washington 98104. An Equal Opportunity/Affirmative Action Employer, M/F.**

POSITIONS OPEN

INSTRUCTORSHIPS IN ZOOLOGY

Two instructorships available September 1977 for 1-year terms. Coordinate laboratories in large undergraduate courses in vertebrate physiology and in general zoology, and conduct graduate seminars. Requires Ph.D. in zoology or related discipline. Preferred training in vertebrate physiology, animal behavior, or morphology. Send curriculum vitae, statement of professional goals, transcripts, reprints, and three letters of recommendation by 15 April to: **Instructorship Search Committee, Department of Zoology, Oregon State University, Corvallis, Oregon 97331. Oregon State University is an Affirmative Action Employer.**

MAMMALIAN PHYSIOLOGY: expertise in cardiovascular or reproductive physiology. Primary responsibilities in research and teaching at the graduate level. Some undergraduate teaching may be involved. Candidates must possess a research record evidenced by publications and successful extra-mural funding. Salary and rank dependent upon experience and credentials with minimum of \$14,500 salary and rank of assistant professor. Ph.D. required. Address inquiries to: **Dr. C. V. Riley, Chairman, Box 2, Department of Biological Sciences, Kent State University, Kent, Ohio 44242. Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGY/PARASITOLOGY: applications are being accepted for a tenure-track position beginning 15 September 1977. Applicants must be trained in medical microbiology and parasitology. Ph.D. required. Salary and rank: minimum of \$11,500 salary and rank of instructor. Address inquiries to: **Dr. C. V. Riley, Chairman, Box 2, Department of Biological Sciences, Kent State University, Kent, Ohio 44242. Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGIST/MOLECULAR BIOLOGIST. Assistant professor. Qualifications: broad-based training in biology with specialization in microbiology, cell biology, and molecular biology. Should have a strong background in biochemistry. Previous teaching experience is desirable. \$12,000 to \$14,500. Deadline date is 25 April 1977. Send curriculum vitae and three recommendations to: **Dr. Richard Kowles, Biology Department, Saint Mary's College, Winona, Minnesota 55987. An Equal Opportunity/Affirmative Action Employer.**

PEDIATRIC NEUROLOGIST—Full-time academic appointment with opportunities for research, teaching, and clinical responsibilities in child neurology. Applications are invited from individuals with strong academic competence. Send curriculum vitae, bibliography, and names of three references to **James N. Hayward, M.D., Chairman, Department of Neurology, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514. Equal Opportunity/Affirmative Action Employer.**

PHARMACOLOGY FACULTY

The Department of Pharmacology, Loyola University Stritch School of Medicine of Chicago seeks a full-time faculty member at the assistant or associate professor level. The candidate should be interested in graduate and medical teaching and research. Working knowledge of CNS anatomy, neuropharmacology and chemistries and/or implanted electrode procedures required. Publications and recommendations from recognized investigators necessary. Contact: **Alexander G. Karczmar, M.D., Ph.D., Department of Pharmacology, Loyola University Medical Center, Maywood, Illinois 60153.**

PHYSIOLOGY

The Department of Physiology, University of Kansas Medical Center, invites applications for assistant or associate professors, depending on qualifications. We are especially interested in the areas of neurophysiology, neurosciences, cellular physiology, and endocrinology although meritorious candidates in other fields will also be considered. Responsibilities include teaching medical students and graduate students and maintaining a strong research program. Preference will be given to candidates with post-doctoral fellowship training and evidence of research accomplishment in the form of past and current research support. Send curriculum vitae, three references, and a summary of teaching experience and research plans to: **The Chairman, Department of Physiology, University of Kansas Medical Center, 39 and Rainbow Boulevard, Kansas City, Kansas 66103. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

NEBRASKA MICROBIOLOGIST

Full-time assistant professor position available July 1977 for microbiologist in multidisciplinary Oral Biology Department. Ph.D. and teaching experience desired. *Equal Opportunity/Affirmative Action Employer*. Send curriculum vitae and three letters of recommendation to Dr. William G. Sprague, Chairman, Department of Oral Biology, College of Dentistry, University of Nebraska, Lincoln, Nebraska 68583. Closing date: 1 June 1977.

OBSERVATION- THEORETICAL SEISMOLOGISTS

The California Institute of Technology is soliciting applications for a 1- to 2-year appointment as a postdoctoral research fellow. Applicants must have a strong background in both theoretical and observational seismology, including normal mode and synthetic seismogram calculations. The research projects involve determination of attenuation in the earth, analysis and inversion of free oscillation and body wave data, and study of the structure of the earth. Interested persons are asked to send résumés to the Chairman, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91125. *An Affirmative Action, M/F Equal Opportunity Employer*.

OCEANOGRAPHY POSTDOCTORAL POSITION

Applications are invited for a postdoctoral position in the Mesoscale Air-Sea Interaction Group, Florida State University, starting 1 September 1977 or later. Applicants must have a Ph.D., excellent theoretical fluid dynamics capability, interest in numerical modeling of rotating, stratified fluids and knowledge of air-sea interactions. Salary \$15,000 to \$17,000 per annum. Send complete curriculum vitae and three letters of reference to Dr. J. J. O'Brien, Meteorology Annex, Florida State University, Tallahassee, Fla. 32306. Closing date: 10 May 1977.

PHYSIOLOGY/BIPHYSICS ASSISTANT PROFESSOR. The Physiology/Biophysics Section of Brown University's Division of Biology and Medicine seeks applications at the assistant professor level from candidates with active research interests and teaching ability in quantitative mammalian physiology, with formal training in biophysics, bioengineering, or physiology. Teaching assignments will include contributions to one-semester courses in medical physiology and in cell physiology/biophysics, as well as participation in a graduate-level course on mathematical modeling in physiology. Participation in programs in biomedical engineering, biophysics, and applied mathematics will be encouraged. After start-up support, the candidate's research is expected to become self-supporting via outside grants. Interested candidates should send curriculum vitae and bibliography with a letter describing teaching and research interests, as well as letters of recommendation, to Professor Peter Stewart, Chairman, Search Committee, Box G, Brown University, Providence, R.I. 02912, before 15 May 1977. *Brown University is an Affirmative Action/Equal Opportunity Employer.*

PLANT ANATOMIST/MORPHOLOGIST

The Department of Plant Science, University of Delaware, has a position available 1 July 1977 at the assistant professor level. Candidates should be prepared to teach higher plant anatomy/morphology/taxonomy at undergraduate level, and to establish a research program in his/her area of specialty. Research experience with a plant of agronomic horticultural or heuristic value is desired, as is a collaborative instinct with staff, students, and colleagues. The specific area of research is open. Applicants should send curriculum vitae, transcripts, and three letters of reference to: Dr. Donald F. Fieldhouse, Plant Science Department, University of Delaware, Newark, Delaware 19711, before 1 May 1977.

The University of Delaware is an Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately available for research on plasma membrane of adipocyte and its role in endocrine responsiveness of the cell. Salary: \$12,000 per year. Send letters of inquiry including curriculum vitae and bibliography to Dr. Edward J. Masoro, Ph.D., Professor and Chairman, Department of Physiology, University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, Texas 78284. *An Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITIONS

College of Medicine King Faisal University Dammam, Saudi Arabia

Biology	Epidemiology
Chemistry	Biochemistry
Physics	Embryology
Anatomy	Physiology
Community medicine	Hematology
Biostatistics	Pathology

Applications are invited from U.S., British, and Canadian academicians who have a doctorate or similar degree and postdoctorate teaching experience. Openings are available immediately and for 1977-1978 at all levels. The language of instruction is English.

Salary ranges:	
Monthly salary and bonus in Saudi riyals	Approximate annual equivalent in U.S. dollars
Professor 6,720 to 7,392	\$22,600 to \$24,800
Associate professor 5,376 to 6,496	\$18,100 to \$21,800
Assistant professor 4,032 to 5,152	\$13,500 to \$17,300

M.D. degree commands a higher salary. Fringe benefits include free furnished accommodations and annual leave and travel allowance to country of origin.

Send résumé and names, addresses, and phone numbers of three references to:

Mohammed T. Altorki, M.D., MRCP
Dean of the Medical Faculty
King Faisal University
c/o Saudi Arabian Educational Mission
2223 West Loop South, Suite 400
Houston, Texas 77027

Specify teaching experience and date of availability.

PATHOLOGIST

CARCINOGEN ASSESSMENT GROUP

U.S. ENVIRONMENTAL PROTECTION AGENCY

The U.S. Environmental Protection Agency is seeking to fill the position of pathologist on the agency's Carcinogen Assessment Group (CAG), with an individual experienced in experimental pathology. The CAG is responsible for evaluating all data relevant to the determination of human health risks posed by suspect carcinogens. Most often data available for evaluation is animal bioassay data. The CAG is responsible for making recommendations to the agency's programs and to the administrator regarding the risk associated with each suspect carcinogen. Candidates must have a M.D., Ph.D., or equivalent degree with experience appropriate to the CAG's mission. The individual must have experience in interpreting carcinogenesis studies and must be competent to serve as an expert witness for the agency, as necessary. This position does not involve patient-care responsibility. The incumbent need not have a current license to practice medicine.

Location: Washington, D.C.

Salary range: \$28,725 to \$43,923, plus Civil Service benefits.

Applicants should submit an SF-171, Application for Federal Employment, to Virginia Cannon, Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460, PM-212.

Manager, Technical Library

The Upjohn company, a growing leader in the pharmaceutical-human health care field seeks a Manager for its Technical Library. This position serves as the principal librarian of the corporation and is responsible for developing, maintaining and managing the Company's primary center of expertise for published technical information. Primary responsibilities for providing and improving resources and information systems which will respond to the published technical information needs of The Upjohn Company's worldwide management, scientific and technical staffs.

Requirements include a Ph.D. or equivalent experience in a basic science, a minimum of an M.S. or equivalent experience in library and/or information science, and 5 or more years of managerial or administrative experience in a high level specialized library.

Kalamazoo is a medium sized southwestern Michigan community with an excellent mix of cultural/recreational pursuits including lakes, nearby colleges and much more.

Submit resume including salary requirements in confidence to:

Myra W. Johnson

Upjohn

The Upjohn Company
7171 Portage Road
Kalamazoo, Michigan 49001

An Equal Opportunity Employer M/F

POSITIONS OPEN

POSTDOCTORAL POSITIONS IN BIOCHEMISTRY AND BIOPHYSICS. Postdoctoral positions are available in the Department of Biochemistry and Biophysics for research on a variety of projects with individual faculty members. Research areas include lysosomal function, chemical carcinogenesis, ribosomes, mechanism of virus-induced cell fusion, enzyme structure-function relationships and the role of cyclic-GMP in bacteria. The annual salary range for these 1- to 2-year positions is \$10,000 to \$12,000, depending on experience and other qualifications. Some teaching duties may be required. Send curriculum vitae and names of three references to: **Dr. R. W. Bernlohr, Head, Department of Biochemistry and Biophysics, Pennsylvania State University, 108 Althouse Laboratory, University Park, Pa. 16802. An Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION IN CANCER BIOLOGY

Available spring or summer 1977. Recent Ph.D., M.D., or D.V.M. Laboratory concentrating on biology and immunology of RNA tumor virus-induced diseases, especially feline. Send curriculum vitae to **Dr. M. Essex, Department of Microbiology, Harvard University School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115.**

POSTDOCTORAL POSITION available for the study of active site sequences of proteolytic enzymes. Experience in protein structure and peptide synthesis is desirable. Send curriculum vitae and names of three references to: **Dr. Albert Light, Department of Chemistry, Purdue University, West Lafayette, Indiana 47907. An Equal Opportunity/Equal Access Employer.**

POSTDOCTORAL POSITIONS

Three openings starting 1 April to 1 October for 2 to 3 years at a starting salary of \$10,000 or higher for 12 months depending upon experience. No teaching. Research in the following areas:

- 1) Molecular biology of tumor viruses and their possible relationship to ocular tumors.
- 2) Immunological studies of both normal and transformed cells in culture with relation to viral and chemical agents.
- 3) Protein biochemistry; biochemical study of the involvement of various enzymes with the growth of cells in culture. Also studies in the possible involvement of lipids in the regulation of enzyme activity.

Send curriculum vitae, bibliography, research interests, and the names of three references to: **Dr. Ted W. Reid, Search Committee, Yale University School of Medicine, New Haven, Connecticut 06510. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS

Positions are available for work on two projects: (i) thermodynamics of assembly of serum lipoprotein, and (ii) structure-function relations of membrane-bound proteins. Adequate background in both physical chemistry and biochemistry is essential. Send curriculum vitae and names of references to **Dr. J. A. Reynolds, Department of Biochemistry, Duke University Medical Center, Durham, N.C. 27710. Duke University is an Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH

Applications are invited for a position involving studies on immunological aspects of solid cancers. Background in biochemical and immunochemical techniques required. Experience with radioimmunoassay desirable. Excellent salary and benefits. Send curriculum vitae and references to:

**Personnel Department
Evanston Hospital
2650 Ridge Avenue
Evanston, Illinois 60201
An Equal Opportunity Employer**

RESEARCH ASSOCIATE. Recent Ph.D. with experience in mammalian cell culture to study the effects of estrogens on a responsive human breast cancer cell line. Experience in basic biochemical techniques and/or in selecting and working on mutants of mammalian cells is desirable. Send curriculum vitae and names of three references to **Dr. Barkley Butler, Department of Chemistry, Michigan Cancer Foundation, 110 East Warren, Detroit, Mich. 48201. An Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITION AVAILABLE. Regulation of casein mRNA, background in biochemistry, experience in cell-free protein synthesis. Cell biology of nucleic acids preferred. Send résumé with two references to **M. R. Banerjee, Tumor Biology Laboratory, University of Nebraska, 201 Lyman Hall, Lincoln, Nebraska 68588. An Equal Opportunity Employer.**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY POSTDOCTORAL RESEARCH ASSOCIATES

Full-time research positions in chemical carcinogenesis are available immediately in the toxicology laboratories for postdoctoral personnel with interest and experience in: (i) drug/carcinogen metabolism, (ii) macromolecular drug/carcinogen interactions, (iii) carcinogen alterations of steroid hormone-mediated processes, and (iv) biochemistry of nuclear functions. The salary is negotiable depending upon experience.

Applicants should submit a résumé including a description of research interests and the names of three referees to: **Professor Gerald N. Wogan, Department of Nutrition and Food Science, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, Mass. 02139.**

An Equal Opportunity Employer

POSTDOCTORAL RESEARCH ASSOCIATE POSITION IN PHYSIOLOGY

A postdoctoral research associate position is available to a qualified applicant to participate in research on the control of vasopressin secretion and its metabolism. Current research involves both normal and hypertensive animal models. Candidates must have a Ph.D., M.D., D.V.M., or comparable degree. Fellowship will begin 1 July 1977 with a stipend of \$10,000. Send curriculum vitae and the names of three references to:

**Dr. Leonard Share
Department of Physiology and Biophysics
University of Tennessee Center for the Health Sciences
Memphis, Tennessee 38163**

Equal Opportunity/Affirmative Action Employer

PROFESSOR OF TOXICOLOGY

The Harvard School of Public Health invites applications and nominations for the position of professor of toxicology: an individual who has a record of achievement in a natural science, presents evidence of commitment to studies of chemical toxicants and promise of ability to attract capable young people into the field.

Harvard University is an Equal Opportunity Employer with an Affirmative Action Program. Qualified women and minority group members are encouraged to apply.

A statement of interest and résumé should be sent to **Professor Maurice Fox, Acting Chairman, ad hoc Search Committee for Professor of Toxicology, Harvard School of Public Health, 10th Floor, Kresge Building, 677 Huntington Avenue, Boston, Mass. 02115.**

PSYCHOBIOLOGY. Two research associate/lectureships beginning June to September 1977. One year with possibility of renewal.

- 1) Animal behavior/sociobiology—prefer field and laboratory research on ecological and evolutionary questions.
- 2) Neurosciences—prefer research in neurotransmitter and hormonal regulation in relation to behavior.

Send curriculum vitae to: **Psychobiology Research Group, Department of Psychology, Gilmer Hall, University of Virginia, Charlottesville, Va. 22901. An Equal Opportunity Employer.**

RESEARCH ASSOCIATE now. One year, available 1 May. Quantitate microscopic dry mass distribution in cross-striations of myofibrils by interference microscopy and EM, for various sarcomere lengths, after various treatments. Microscopy background desirable. Stipend at NIH postdoctoral level, \$10,000 to \$11,000. Potentially renewable appointment. Send letter and two references to **Dr. M. K. Reedy, Department of Anatomy, Duke University, Durham, N.C. 27710. An Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

PROFESSOR IN HARVARD SCHOOL OF PUBLIC HEALTH

The Harvard School of Public Health is seeking a person with accomplishment in a natural science to help organize and direct a new project, Interdisciplinary Programs in Health. Candidates should have a demonstrated record of distinguished academic achievement and be committed to the development of a training and research program that brings together the natural and social sciences in approaches to environmental health problems.

Harvard University is an Equal Opportunity Employer with an Affirmative Action Plan.

A statement of interest and résumé should be sent to:

**Dr. John B. Little
Department of Physiology
Harvard School of Public Health
665 Huntington Avenue
Boston, Massachusetts 02115**

RESEARCH ASSISTANT-BIOCHEMISTRY. Seeking individual with experience in radioimmunoassay and neurochemical methods. Graduate or its equivalent in a biochemical discipline preferred plus 1 to 3 years of experience in a research setting; or an equivalent combination of education, training, and experience. Research will involve biochemistry/pharmacology of cyclic nucleotides, neurotransmitters, endocrine systems, and receptors in the central nervous system. Qualified individuals please send résumé and references to **Director, Neurosciences Research Unit, Department of Psychiatry, University of Vermont College of Medicine, Burlington, Vermont 05401. An Equal Opportunity Employer.** Position to be filled by mid-July.

RESEARCH ASSOCIATE: Study metabolism of trans fatty acids/prostaglandins/enzymes; analytical GC, TLC, UV, and computer experience. Three-year appointment. **J. E. Kinsella, Stocking Hall, Cornell University, Ithaca, N.Y. 14853.**

RESEARCH ASSOCIATE III

Position involves conducting and supervising the trace metal analyses of tissues from marine organisms. Applicant should be well versed in biochemical methodologies as well as latest "state of the art" methods in flame and flameless atomic absorption spectrophotometry. Appointment is initially for 12 months.

Send résumé or contact **Doris Manship, College of Marine Studies, University of Delaware, Lewes, Del. 19958,** by 15 April 1977.

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

RESEARCH ASSOCIATE. Postdoctoral position available immediately in the area of atmospheric and space physics. To coordinate and interpret data from the atmospheric explorer satellites. Previous experience with non-UTD instrumentation on atmospheric explorer is desirable. Familiarity with computer programming also desirable. Send résumé or curriculum vitae (indication of ethnicity and sex for Affirmative Action statistical purposes is requested but not required) by 9 May 1977 to:

**Donna Cornwell
Administrative Services Officer
Center for Space Sciences
The University of Texas at Dallas
P.O. Box 688
Richardson, Texas 75080**

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

SENIOR RESEARCH TECHNICIAN/NEUROPROSTHESES PROGRAM

Study effects of chronic electrical stimulation on the central nervous system. Experience in animal surgery and/or neurophysiology is essential. Some background in electronics and simple computer programming would be desirable. Project is funded through at least 1979, and the successful candidate will hopefully be available starting in May or June 1977. Send comprehensive curriculum vitae, salary history, and names of three references to: **L. J. Stensaas, Ph.D., Department of Physiology, University of Utah, Salt Lake City, Utah 84132. An Equal Opportunity/Affirmative Action Employer.**

Director, Epidemiology & Biometry Research Program

The National Institutes of Health invites applications for the position of Director, Epidemiology and Biometry Research Program, in The National Institute of Child Health and Human Development, one of eleven research Institutes located in Bethesda, Maryland. The NICHD conducts and supports basic and clinical research and research training in maternal and child health including perinatal and reproductive biology, population research, genetics, endocrinology, nutrition, human learning and behavior, and diseases of infancy and childhood.

Applicants should be trained in study design, basic research, clinical research or population research in order to direct and develop a research program in epidemiology involving the medical research/medical care interface and supervise epidemiologic and statistical research and consultation for the program areas of the NICHD. Applicants holding an M.D. degree are preferred, but Ph.D. or equivalent level training will be considered. At least 5 years of experience in pertinent bio-medical research required. Must have demonstrated managerial ability and competency in study design, data collection and analysis.

Position is in a top career U. S. Civil Service (210 (g) salary range \$39,629-\$47,500 per annum) or Public Health Commissioned Corps grade level, subject to the approval of the Civil Service Commission. Letters of applications with curriculum vitae, bibliography and references should be sent by May 31, 1977 to:

Ms. Lelia Stewart
National Institute of
Child Health & Human Development
NATIONAL INSTITUTES OF HEALTH
9000 Rockville Pike, Bldg. 31, Room 2A23
Bethesda, Md. 20014
AN EQUAL OPPORTUNITY EMPLOYER



Committee of Inquiry into the Commonwealth Scientific and Industrial Research Organization (CSIRO)

The Australian Government has recently set up a Committee to make an Inquiry into the Commonwealth Scientific and Industrial Research Organization. The members of the Committee are Professor A. J. Birch (Chairman), Sir Cecil Looker and Mr. R. T. Madigan, O.B.E.

The Committee is required to examine, report and make recommendations on the objectives of the Organization and their relevance to the present and future requirements of Australia.

Persons, organisations or bodies wishing to place evidence before the Committee are invited to make a written submission not later than 31 March 1977.

Submissions would be regarded by the Inquiry as being available to the public unless requested to be treated as confidential.

Submissions should be addressed to:—

The Executive Secretary,
Committee of Inquiry into CSIRO,
Box 1544,
CANBERRA CITY, A.C.T., 2601,
AUSTRALIA.

THE UNIVERSITY OF CALGARY

Faculty of Medicine

Applications are invited for a position at the level of **ASSISTANT PROFESSOR**. Candidates should have research interests involving the tissue culture of vertebrate neurons, or the area of specification of neuronal connections. The successful applicant will be expected to participate in the teaching of both medical students and neuroscience graduate students. Applicants should reply as soon as possible to: **Dr. W. G. Tatton, Neuroscience Search Committee, Faculty of Medicine, The University of Calgary, Calgary, Alberta, Canada, T2N 1N4.** A curriculum vitae, the names of at least three referees, a list of publications, and a detailed statement of research plans for the next 3 to 5 years should be included.



ASSOCIATE DIRECTOR FOR EPIDEMIOLOGY, DEMOGRAPHY AND BIOMETRY

National Institute on Aging

The National Institutes of Health invites nominations and applications for the position of Associate Director for Epidemiology, Demography and Biometry, National Institute on Aging, who will have responsibility for the planning and direction of the Institute's research programs in epidemiology, demography and biometry relevant to aging. This responsibility involves broad research, planning and coordinating functions for descriptive and analytic epidemiological research in human aging and in the diseases of the elderly in order to elucidate factors of importance in understanding human aging. The newly organized NIA is the eleventh research Institute at the National Institutes of Health in Bethesda, Maryland (a suburb of Washington, D.C.). The NIA conducts and supports basic and clinical research and research training in the biomedical, behavioral, and social sciences related to the aging process and the diseases and other special problems and needs of the aged.

Applicants must possess a doctoral level degree (M.D., Ph.D. or equivalent) in the biological or social sciences and exhibit successful accomplishments in directing a program in research epidemiology. A solid background in Public Health and in biostatistics is necessary as well as is good administrative skills and abilities. In addition, candidates should be knowledgeable concerning ongoing aging research programs and with the several mechanisms employed in conducting Federal research activities.

Position is in a top U.S. Civil Service or Public Health Service Commissioned Corps grade level. The filling of this position is subject to the approval of the Civil Service Commission. Letters of application with curriculum vitae and lists of publications should be sent to the chairman of the Search Committee: Manning Feinleib, M.D., NATIONAL INSTITUTES OF HEALTH, Public Health Service, Landow Bldg., Room C-825-A, 7910 Woodmont Ave., Bethesda, Md. 20014. Applications must be received by May 15, 1977 to be considered.

NATIONAL INSTITUTES OF HEALTH

An Equal Opportunity Employer

POSITIONS OPEN

RESEARCH POSITION IN GEODYNAMICS

The California Institute of Technology is soliciting applications for a 1-year appointment for a postdoctoral research fellow. Applicants must have a strong background in rheological problems as applied to earth dynamics and mantle convection, as well as numerical techniques used to solve such problems. The research projects involve determination of the rheology of the asthenosphere, coupling between lithospheric and asthenospheric motions, and the state of stress in the lithosphere. Interested persons are asked to send résumés to the **Chairman, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91125.**

An Affirmative Action, M/F/Equal Opportunity Employer

SCIENTIST with a minimum of 5 years of postdoctoral experience in tissue culture and related work is sought to join a newly formed group involved in a project investigating muscle and nerve disease in humans and animals. Curriculum vitae and bibliography to:

Walter G. Bradley
Department of Neurology
Tufts-New England Medical Center
171 Harrison Avenue
Boston, Mass. 02111

STRUCTURAL GEOLOGIST/MINERALOGIST.

Applications are invited for a full-time assistant professor of geology beginning 1 September 1977. Major emphasis must be in structural geology and mineralogy with background to develop courses in such areas as: petrology, economic geology, geophysics, geochemistry, or field geology. Responsibilities include teaching at all levels of undergraduate curriculum, advising, and maintaining active research. Ph.D. required. Send résumé, transcripts, and have three referees send supporting letters to **Dr. Irwin Novak, Chairman, Department of Earth Sciences, Physics and Engineering, University of Maine at Portland-Gorham, 96 Falmouth Street, Portland, Maine 04103.** Application deadline: 15 April 1977. *The University of Maine at Portland-Gorham is an Affirmative Action/Equal Opportunity Employer.*

TOXICOLOGIST/IMMUNOCHEMIST. Ph.D. with background in immunology, serology, and/or immunoassay interested in working in the field of forensic analytical toxicology. Perform chemical analysis of biological fluids and tissues in postmortem medical legal investigations. Please send résumé to **Dr. Russell S. Fisher, Office of the Chief Medical Examiner, 111 Penn Street, Baltimore, Maryland 21201.**

VERTEBRATE ECOLOGIST. A biologist with background in wildlife biology or theoretical ecology, and special interest and experience in ornithology, herpetology or mammalogy, is sought to teach a half course in wildlife biology and to assist in two introductory courses. Ph.D. required. Assistant professor level position, sessional, with possible continuation. Commences 1 July. Salary commensurate with qualifications and experience. Closing date for applications: when position filled. Send applications, including curriculum vitae and names of three referees, to: **Search Committee, Department of Biology, Trent University, Peterborough, Ontario, Canada K9J 7B8.**

VIRAL ONCOLOGIST

HAZLETON LABORATORIES AMERICA, INC., a leading contract research company specializing in the life sciences, is seeking a biologist who holds a Ph.D. with 2 to 6 years of postdoctoral experience to participate in an active, ongoing program in cancer research. Desired candidate should have demonstrated active research experience in virology, cell biology, and/or biochemistry. Must be able to function effectively as part of a research team conducting comprehensive study of tumor etiology.

Our staff and research facilities are located in suburban northern Virginia, approximately 20 miles west of Washington, D.C. We offer competitive salaries, excellent benefits, relocation, and opportunity for continued professional growth.

Please send résumé, including salary history, in complete confidence to **Fred R. Williams, Assistant Personnel Manager, Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike, Vienna, Virginia 22180.**

An Equal Opportunity Employer, M/F

POSITIONS OPEN

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

VIROLOGIST. Position for research assistant professor available by June 1977. Must have relevant experience for development and genetic characterization of human respiratory riboviruses as potential vaccine strains. Send complete résumé to: **Dr. R. W. Simpson, Waksman Institute of Microbiology, Rutgers University, P.O. Box 759, Piscataway, N.J. 08854.**

Affirmative Action/Equal Opportunity Employer

WILDLIFE MANAGEMENT OR WILDLIFE ECOLOGY: faculty position available.

Instructor or assistant professor. Contact **John K. Beadles, Division of Biological Sciences, Arkansas State University, State University, Arkansas 72467.** *Equal Opportunity Employer.*

REQUESTS FOR PROPOSALS

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.

TRAINEESHIPS

POSTDOCTORAL TRAINEESHIPS IN CARDIOVASCULAR BIOSTATISTICS

One or two NIH traineeships available 1 July. Designed for: (i) M.D., or Ph.D. in biological field, experienced in cardiovascular research, with quantitative background and interest in obtaining biostatistical training; or (ii) Ph.D. in statistics, mathematics, or similar quantitative field with interest in developing expertise in applications of statistics to cardiovascular research. Opportunity for course work and involvement in variety of biostatistical applications in cardiovascular research, including epidemiologic studies, clinical trials, polarcardiography, radionuclide myocardial imaging. Send curriculum vitae, a statement of interests, and three letters of reference to: **Dr. Timothy A. DeRouen, Department of Biostatistics SC-32, University of Washington, Seattle, Wash. 98195.**

FELLOWSHIPS

The Australian National University invites application for a **POSTDOCTORAL FELLOWSHIP** (Surface Science) in the Research School of Physical Sciences. The successful applicant will join an ongoing experimental program under Dr. J. N. Israelachvili involving one or more of the following topics: (i) measurement of forces between surfaces immersed in liquids; (ii) physical properties of thin liquid films; (iii) adsorbed polymer interactions; (iv) adsorbed lipid monolayer interactions; and (v) adhesion studies. Several theoretical and experimental groups are involved in the program. A preliminary report is contained in *Nature* [262, 774 (1976)]. Experience in experimental physics and/or colloid science, theoretical physics, physical chemistry, or biophysics is desirable. Appointment for not less than one year and not more than two. Salary: \$13,850 to \$18,269 per annum, exchange rate A\$1 : US\$1.08. Reasonable travel expenses. Superannuation benefits. Further information from **Academic Registrar, Australian National University, P.O. Box 4, Canberra, ACT, 2600, Australia,** with whom applications close 25 April 1977.

FELLOWSHIPS

NATIONAL RESEARCH SERVICE AWARD FELLOWSHIPS IN LUNG BIOCHEMISTRY OR ANATOMY

A few NIH postdoctoral fellowships for up to 3 years are available to study lung cell biology including biochemistry and ultrastructure. Excellent background in a basic science, medicine, or veterinary medicine is essential. A commitment to basic or applied research on the lung is desirable. Participating faculty are in departments of anatomy, biochemistry, medicine, and physiology. Inquiries, curriculum vitae, and names of three references to **Donald Masaro, M.D., University of Miami School of Medicine, P.O. Box 520875, Biscayne Annex, Miami, Florida 33152.** *An Equal Opportunity Employer.*

POSTDOCTORAL FELLOWSHIP—Position available about 1 September 1977 in the laboratories of Drs. Barbara and Bruce Furie for the study of the biochemistry of blood coagulation proteins employing immunochemical approaches and solid phase peptide synthesis. Salary based upon NIH stipends; 2-year support available. Applicant with Ph.D. or M.D. degree within past 3 years should have background in protein or peptide chemistry. Send curriculum vitae and three references to **Linda C. Smith, Personnel Office, Tufts-New England Medical Center Hospital, 37 Bennet Street, Boston, Mass. 02111.** *An Equal Opportunity Employer, M/F.*

COLLEGE OF PHYSICIANS & SURGEONS, COLUMBIA UNIVERSITY: RESEARCH FELLOWSHIPS IN ARTIFICIAL ORGANS AND TRANSPLANTATION. Newly expanded clinical and experimental research programs in the Department of Surgery have created several openings for postdoctoral or visiting fellows with the M.D. or Ph.D. degree. Positions for American and foreign citizens will be available after 1 July 1977 for 2 years and will be renewable. Interests in the area of transplantation including kidney, pancreatic islet cells, heart, liver, and organ bank activities. Current interests in the field of artificial organs include artificial pancreas, cardiovascular devices, techniques for percutaneous access, and sensory prostheses for the blind and deaf. Limited "seed money" is also available to support investigator-initiated research in other areas of transplantation or artificial organs. Applicants with backgrounds in clinical research or in immunology, cellular physiology (including tissue culture techniques), neuroscience, physiology and computer science, or other engineering disciplines are invited to apply. Experience in transplantation or artificial organs research is desirable but not necessary. Send résumé to: **Artificial Organs/Transplantation Fellowship Committee, Department of Surgery, V/C/12-212, College of Physicians & Surgeons of Columbia University, 630 West 168 Street, New York, N.Y. 10032. Telephone: 212-694-4198.** *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

GERONTOLOGICAL SOCIETY RESEARCH FELLOWSHIP PROGRAM invites applications from social and biomedical gerontologists for full and half-time positions in governmental offices on aging. Fellows' interests will be matched with agencies needs. Possible projects: needs assessment to an epidemiological study of aging. The program is designed to provide the academic with new research directions as a result of their exposure to the administrative process. Stipends range from \$4,000 for a 3-month full-time placement to \$15,000 for a 12-month full-time placement. Deadline: 29 April. More information: **Gerontological Society, 2728 Durant, Berkeley, Calif. 94704.** Administration on Aging—Department of Health, Education, and Welfare (DHEW) grant supported.

POSTDOCTORAL THEORETICAL BIOLOGY

The Laboratory of Theoretical Biology, National Cancer Institute, National Institutes of Health, Public Health Service, now has an opening for a staff fellowship in theoretical immunology and/or carcinogenesis. Applicants must have a Ph.D. or equivalent. A strong background in both mathematics and biology is desirable. The fellowship is for 2 years with the possibility of renewal. Minimum starting salary is \$15,120 per annum. Send curriculum vitae by 29 April to **Dr. Charles DeLisi, Laboratory of Theoretical Biology, DCBD, NCI, Building 10, Room 4B56, 9000 Rockville Pike, Bethesda, Maryland 20014.** *Equal Opportunity Employer.*

The next best thing to being there . . .



If you couldn't make it to the 1977 AAAS Annual Meeting in Denver, we've arranged to bring the meeting to you. This year, like last year, we've taped some sessions (both presentations and question-and-answer sessions) so you won't miss much.

These high quality tapes are on handy cassettes—useful for classroom, library, or personal use—and at a reasonable price.

We can't list all the audiotape titles on one page, but the sampling below will give some idea of the diversity of topics available.

Medicine and Health

Scientific Information and Public Policy:
Regulating the Use of Psychotropic Drugs
(77T-332)

Anthropology

An Account of the Visual Mode: Man versus Ape
(77T-298)

Frontiers of Folklore (77T-337)

Technological Implications

Beyond Gutenberg: Communication Without
Paper? (77T-317)

Political and Social Aspects of Remote Sensing
from Space (77T-348)

Behavioral Science

Families Across the Life Cycle: Issues and Per-
spectives (77T-331)

Individual Differences, Cognition, and Learning
(77T-307)

Violence at Home and at School (77T-343)

Economic and Social Sciences

National and International Cooperation: The
Institutional Limits to Growth (77T-308)

Science and Public Policy

Emerging National and International Policy on
Information (77T-309)

History and Philosophy of Science

Contemporary Religious Movements in America:
Religious Minorities in a Secular Society (77T-305)

Agriculture and Ecology

Biology and Agriculture in the People's Republic
of China (77T-301)

General Interest

The Frontiers of the Natural Sciences (77T-333)

The Right to Die (77T-341)

Physical and Mathematical Sciences

The New Solar Physics (77T-303)

The Promise of High Energy Physics (77T-296)

Energy

Wind-Energy Conversion Systems (77T-312)

Renewable Energy Resources and Rural Life
in the Developing World (77T-323)

Resource Policy

Energy from the Rockies: Fueling the Nation or
Fouling the States? (77T-321)

Biological Science

Physiological Reactions in Plants Initiated by
Environmental Stress (77T-304)

Arid Lands

American Droughts (77T-294)

Environment

How Well Are We Equipped to Cope With Environ-
mental Problems? (77T-299)

The Measurement of Air Pollution (77T-322)

**For a complete list of both 1976 and 1977
AAAS Annual Meeting audiotapes, with
prices and ordering information, write to:
AAAS Cassettes, c/o CEBAR Productions,
2550 Green Bay Road, Evanston, Illinois
60201.**

Crinoids are beautiful even in black-and-white.

Actually, you wouldn't be able to see here the difference between Kodachrome film and the new Kodak Ektachrome films.

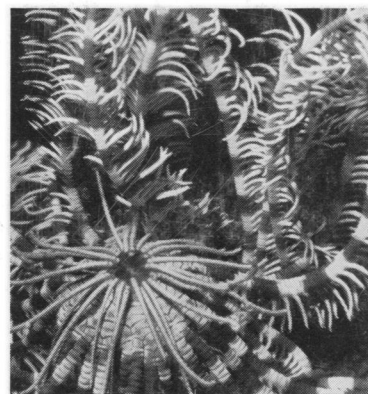
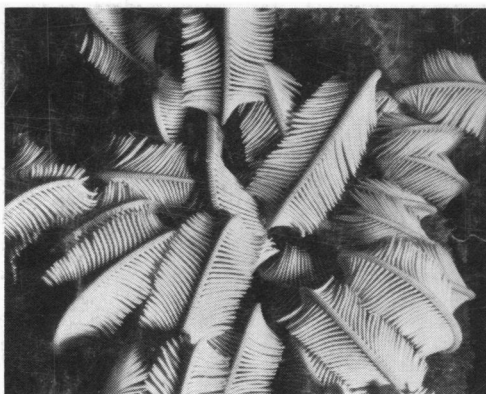
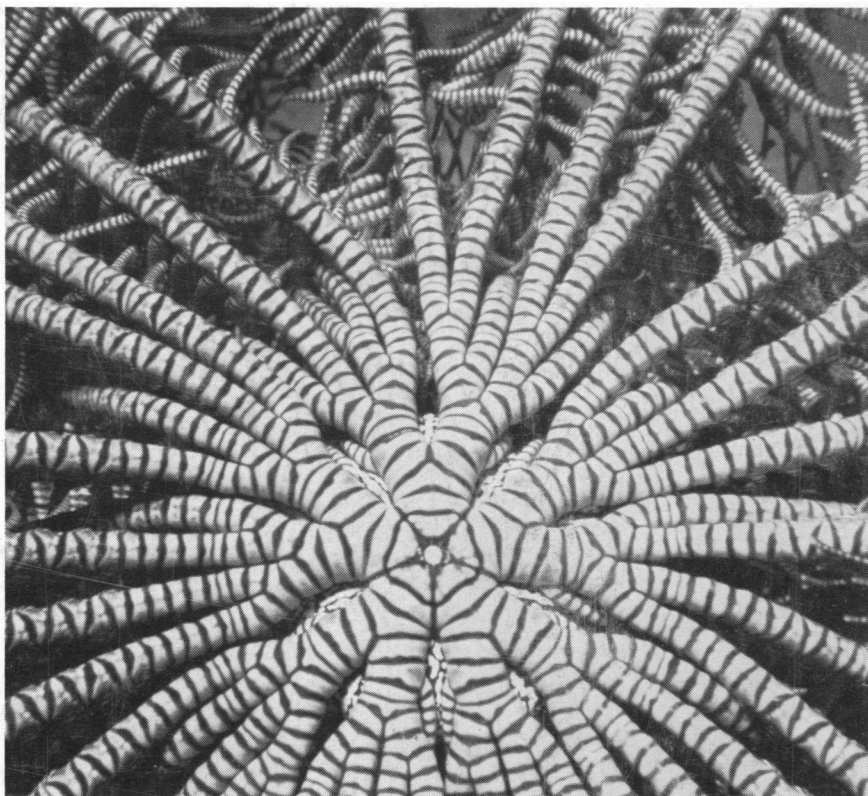
D. B. Macurda, Jr. of the University of Michigan Museum of Paleontology shot more than 350 36-exposure rolls of Kodachrome 25 film underwater in the Pacific and Indian Oceans in a program to learn more from the fossil record left by the ancestors of these beautiful echinoderms and to convey the story to specialists, students, and interested public.

For most purposes, the slightly finer grain in Kodachrome 25 film—imperceptible except to a user like Professor Macurda—is outweighed by the speed advantages of Kodachrome 64 film. Graininess is best judged not from the fine detail but from the large uniform areas in a picture. Stay with Kodachrome film for finest grain. Both Kodachrome films can resolve 100 line pairs per mm for a test object of 1000:1 contrast, about half that for a more realistic 1.6:1 test object.

If you are one to go by numbers, we give you 125 line pairs per mm resolving power (for a 1000:1 test object) in the new Kodak Ektachrome professional films for process E-6. Process E-6 is swift and simple at the expense of more complexity we build into the film compared with Kodachrome film, for which the processing is not at all simple. With Ektachrome film you can be using the slides in a talk within the same hour they were shot, and if there is anybody in the audience who can see a difference in image quality from your other slides on Kodachrome film, you should suspect that person of being a Kodak employee. The directions that come with the Kodak Ektachrome film processing kit, process E-6, even tell how to "push-process" for enhanced speed and contrast. If you prefer to send your processing out, you can order "push-processing" if you need it.

Kodak Ektachrome professional film for 35 mm slides comes in four versions: nominal speed 64 and 200 for daylight, 50 and 160 for tungsten. "Professional" signifies that a statement of actual measured speed is packed with the film and that refrigeration until use and processing promptly thereafter are assumed.*

If you wish to exaggerate color contrast more than can be done by "push-processing" (and if film speed 16 is fast enough), order Kodak photomicrography color film 2483 from your supplier and give it process E-4.†



Showing and telling *without* slides

At the Second International Mycological Congress (Tampa, Fla., 8/27-9/3), all contributed "papers" are to be given in poster sessions, where from a visual display one decides whether to stop and exchange thoughts person to person. We are honored that the congress circular refers those unfamiliar with the format to an advertisement of ours. No need to dig it out. Just scribble "POSTER SESSIONS" on a postcard giving your name and address to Dept. 55S, Kodak, Rochester, N.Y. 14650.

*Details in Kodak Pamphlet E-37, "KODAK EKTACHROME Professional Films (Process E-6)."

†Details in Kodak Publication P-302, "KODAK Photomicrography Color Film 2483."

Either available from Dept. 55S, Kodak, Rochester, N.Y. 14650.