

Analysis of the 1975 Meeting in New York indicates that 12 percent of the symposia participants this year were women, up from 9 percent in 1974. Sixty percent of these, however, appeared on the 21 programs arranged by women. The level of minority participation remained about the same, between 3 and 4 percent, only a 1 percent increase since 1972! Integration of minority scientists into Association affairs will require special effort.

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Education: Course directors are being selected for the 1975-76 series of National Science Foundation Chautauqua-Type Short Courses for College Teachers. An announcement brochure containing details of the 1975-76 program will be available in June from the AAAS Office of Science Education.

Dr. Arthur H. Livermore, of the AAAS Office of Science Education, represented AAAS at a conference of representatives of 16 learned associations, which was sponsored by the American Council on Education. Three major groupings of association interests and activities related to higher education were identified as (i) professional interests of members, (ii) activities related to interests outside the profession, and (iii) internal association matters. The extent to which individual associations operate in each of these areas varies widely from association to association. It was agreed that the American Council on Education should act as coordinator in calling future meetings of association representatives. Agendas for future meetings will be based on recommendations from the associations and will provide for the participation of expert and experienced consultants both inside and outside the associations.

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Communications: Working in cooperation with WGBH-TV in Boston, the Communications Department plans to seek the cooperation of AAAS members in gathering background information for the fall 1975 NOVA series. A memo will be sent to section secretaries and other interested people, outlining the tentative topics for the new NOVA season, and asking for advice on experts, materials, contacts, and hidden resources. The present NOVA series, which ends on 6 April, will be rebroadcast on some PBS stations beginning 22 April at 8:30 p.m. Other stations will show the series Saturday nights at 8 p.m., starting 26 April. More details will be given later.

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Personnel Placement

POSITIONS WANTED

Algal Physiologist. Ph.D. 1970. Experienced in environmental research, grants, publications. Broad teaching experience in biological sciences. Desires teaching or teaching/research position. Box 151, SCIENCE. X

Biochemist/Microbiologist. Experienced teacher and researcher. Ph.D. chemistry, 1963. Macromolecular biosynthesis by microbes. Available September. Location, including foreign country, open. Prefer teaching. Box 152, SCIENCE. X

Biochemist. Ph.D. 1973, 2 years postdoctoral, publications. Seeking academic/research position. Can teach in both biochemistry and chemistry areas. Research expertise in nucleic acid and protein biochemistry or protein biosynthesis, interested in regulation. Box 153, SCIENCE. 4/4, 18

Biochemist. Ph.D. 1970. Endocrinology. Biochemical actions of estrogens in uterus and DMBA-induced breast tumors. Steroid-protein interactions. Enzyme studies. Bioassays, RIA. Desires position in industry or hospital-based laboratory, after May 1975. Box 154, SCIENCE. 4/4, 11

Biochemist. Ph.D. 1972. Three years of postdoctoral research in nucleic acid chemistry and metabolism. Publications. Seeks research/teaching position. Box 155, SCIENCE. 4/4, 11

Biologist. Ph.D. Postdoctorate. Experienced with scanning and transmission electron microscopy. Research interests and publications in mycology and plant pathology. Seeks academic position in the Northeast. Box 156, SCIENCE. X

Chemist-Pharmacologist. Ph.D. Medical chemist with major drug firm for 15 years. Three years in medical school pharmacology department. Desires industrial research/administrative position or academic position, especially in marine institute. Box 157, SCIENCE. X

General Physicist. Ph.D. 1973. Nineteen years of diversified experience (nuclear, infrared, and chemical). Worked on nuclear reactors, air pollutants, and so forth. Excellent literature searcher and information specialist. Seeks position in all fields of science and engineering. Moderate salary. Box 158, SCIENCE. X

Immunologist. Ph.D. 1971. Immunochemistry, protein chemistry, oncology. Experience with tumor-associated antigens, development of RIA, immunochemistry of protein antigens. Teaching experience, clinical experience, publications. U.S. citizen. Seeking research/clinical/teaching position in eastern United States on or before July 1975. Box 140, SCIENCE. 4/4

Microbiologist/Virologist. Ph.D. 1968. Postdoctoral research, industry/teaching background. Experience includes cell culture, molecular virology, virus purification, and antiviral substances (including interferons). Publications. Desire academic, industry, or government position. Box 100, SCIENCE. 4/4, 18

Microbiologist/Virologist. Ph.D. Postdoctoral experience. Research and publications in virology, immunology, and physiology. Seeks teaching or research position. Box 159, SCIENCE. X

Physiologist. Ph.D. 1958. Seeks senior faculty position in East. Ten years of experience in medical college as well as industrial background. Interested in reproductive biology and endocrinology. More than 100 publications. Box 122, SCIENCE. 4/4

Plant Scientist. Ph.D. Strong basic and applied background. Includes 6 years of research/teaching and 6 years of agricultural management. Plant growth regulation, mineral nutrition, and protein research. Innovative and well read. Interested in challenging career domestically or abroad. Box 160, SCIENCE. X

Protozoologist-Biochemist. Ph.D. Background in biochemistry: proteins, carbohydrates, and nucleic acids; research interest in immunology. Desires research position to pursue work of medical importance in protozoology. Box 161, SCIENCE. X

POSITIONS WANTED

Science Librarian. Ph.D. in chemistry, M.L.S. expected in May. Seeks position in academic library. Box 162, SCIENCE. X

Systems Ecologist. Ph.D. June 1975; B.S., M.S. mathematics. Seeks research and/or teaching position. Research and publications in ecosystem modeling and population dynamics. Mathematics, systems teaching experience. Prefer western United States or Canada. Box 163, SCIENCE. X

Theoretical Chemical Physicist specializing in nonlinear irreversible thermodynamics and biophysics. Ph.D. 1970, 15 publications, pending monograph. Desires university position. Box 164, SCIENCE. X

Veterinary Microbiologist. D.V.M., Ph.D. Research and teaching experience in infectious disease, seeks 1-year research and minor teaching position. Box 165, SCIENCE. X

Zoologist. Ph.D. Seeks teaching or teaching-research position. Interests include invertebrate zoology, invertebrate physiology, parasitology. Box 54, SCIENCE. 4/11

POSITIONS OPEN

ANATOMIST-PHYSIOLOGIST

To develop and teach courses for students in health career fields. Individualized instruction based on an audio-tutorial approach. Master's degree required and experience preferred, with special strength in anatomy. Contact **F. Robert Owens, Division Chairman, Life Sciences, Parkland College, 2400 West Bradley Avenue, Champaign, Illinois 61820.** An Equal Opportunity Employer.

ASSISTANT PROFESSOR of PHARMACOLOGY

Applications are invited for a faculty appointment at the rank of Assistant Professor to begin not later than December 1975. Applicants who have completed or are completing postdoctoral training should describe briefly research plans in drug metabolism and/or developmental pharmacology.

Please send curriculum vitae and the names of three references to: **SEARCH COMMITTEE, DEPARTMENT OF PHARMACOLOGY and TOXICOLOGY, DARTMOUTH MEDICAL SCHOOL, HANOVER, NEW HAMPSHIRE 03755, before 15 May 1975.**

Dartmouth Medical School is an Equal Opportunity/Affirmative Action Employer.

THE UNIVERSITY OF CALIFORNIA, IRVINE, DEPARTMENT OF PATHOLOGY is recruiting for a full-time faculty position at the **Associate Professor** level. Candidates must be M.D.'s and be Board qualified. Experience in teaching hospital is desirable. Teaching responsibilities involve instructing medical students, interns, and residents. Service experience in surgical, cytology, and autopsy pathology is a necessary prerequisite. Expected to develop independent research activities. Responsibility for limited administrative duties expected. Applications from all qualified candidates are welcome. *Minorities and women are encouraged to apply.* Send curriculum vitae to: **Dr. Edward R. Arquilla, Department of Pathology, University of California, Irvine, California 92664.**

POSITIONS OPEN

ASSISTANT PROFESSOR POSITION available for a general environmental health program beginning September 1975 with an academic appointment. In addition to teaching and research, the responsibilities include coordination of the undergraduate program. Doctorate preferred, but applicants must have at least a master's degree in environmental health or equivalent; 3 to 5 years of field experience required in applicable areas of environmental health. *Washington State University is an Equal Opportunity/Affirmative Action Employer.* Send résumé, transcripts, and five letters of reference to **Dr. L. P. Mallavia, Chairman, Search Committee, Department of Bacteriology and Public Health, Washington State University, Pullman, Washington 99163.** Applications review will begin 9 May 1975.

ASSISTANT PROFESSORSHIPS IN BIOCHEMISTRY

Two full-time teaching positions at the Assistant Professor level are available in a rapidly expanding department, beginning September 1975. Ph.D. in biochemistry required, postdoctoral and teaching experience desirable. Duties will consist primarily of teaching courses and laboratories in intermediary metabolism and clinical chemistry at the undergraduate and graduate level. Opportunity to initiate and conduct a modest research project will be provided. Research specialty areas in membrane biochemistry/biophysics, metabolic regulation (nutritional or hormonal), or biochemistry of differentiation are preferred. Submit, by 30 April 1975, curriculum vitae, list of publications, brief statement of research and teaching interests, and names of three references to: **W. A. Landmann, Professor and Head, Department of Biochemistry and Biophysics, Texas A&M University, College Station, Texas 77843.** *Texas A&M University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR—PLANT PHYSIOLOGY

Applications sought from plant physiologists, recent Ph.D.'s with broad biological perspectives. Teaching responsibilities in general biology and graduate and undergraduate plant physiology. Expected to develop strong research program, preferably in photobiology. Ten-month appointment. Application to include curriculum vitae plus three letters of recommendation by 15 April. Write: **C. A. Price, Department of Biochemistry and Microbiology, Rutgers University, P.O. Box 231, New Brunswick, N.J. 08903.**

ASSISTANT PROFESSOR OF ZOOLOGY. Applications are invited from qualified persons for the position of Assistant Professor of Zoology. Teaching responsibilities will be comparative anatomy at the advanced undergraduate level.

The particular field of research is not specified but should be in some area of functional comparative anatomy. Candidates will be expected to direct graduate students and to develop a vigorous research program.

Interested persons should write a letter explaining their qualifications and should enclose a current curriculum vitae including at least three persons who could act as references. Send to: **Dr. D. L. Beaver, Chairman, Search Committee, Department of Zoology, Michigan State University, East Lansing, Michigan 48824.** Deadline 10 April 1975. *An Equal Opportunity/Affirmative Action Employer.*

ASSOCIATE DEAN FOR EDUCATION. A Medical School in the Northeast invites applications and nominations for this major position which would be responsible for undergraduate medical education, the Ph.D. and the M.D.-Ph.D. programs, admissions, continuing education, interdisciplinary aspects of house staff training, and so forth. This is an essentially full-time position, but the several operational functions could be delegated to members of the faculty and staff. Curriculum vitae should be submitted to **Box 166, SCIENCE.** *We are an Equal Opportunity Employer.*

CHAIRPERSON EFFECTIVE JULY 1975

The Department of Veterinary Anatomy, Pharmacology and Physiology, College of Veterinary Medicine, Washington State University, is accepting applications and nominations for the position of Chairperson. Candidates with D.V.M. and Ph.D. degrees are preferred. Additional qualifications should include administrative, research, and teaching experience. *Washington State University is an Equal Opportunity/Affirmative Action Employer.* Direct inquiries to: **Dr. John O. Dickinson, College of Veterinary Medicine, Washington State University, Pullman, Wash. 99163.** Closing date: 15 April 1975.

POSITIONS OPEN

BIOCHEMIST

A faculty position for a biochemist at the assistant or associate professor level is available in the Division of Nutritional Sciences at Cornell University effective 1 September 1975. The position involves teaching at the undergraduate or graduate level and establishment of a vigorous research program. The successful applicant will have a dual appointment in the Section of Biochemistry, Molecular, and Cell Biology in the Division of Biological Sciences. Candidates should possess a doctoral degree with evidence of strong accomplishment or potential for research and teaching. Preference will be given to research interests relevant to the nutritional sciences. Send résumés to **M. C. Nesheim, Division of Nutritional Sciences, Cornell University, Ithaca, New York 14853, Cornell University is an Equal Opportunity Employer.**

CELL BIOLOGIST

Assistant Professor starting August 1975. Applicant should hold the Ph.D. and be qualified for directing graduate research. Teaching duties are undergraduate courses in general zoology and cell biology and development of graduate courses in cytogenetics and/or histochemistry. The graduate courses will probably be offered in alternate years. Applicant should submit curriculum vitae including course work and a list of publications and proposed research projects by 21 April 1975 to **Chairman, Selection Committee for Cell Biologist, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, Louisiana 70803. An Equal Opportunity/Affirmative Action Employer.**

CELLULAR IMMUNOLOGIST TRANSPLANTATION

Position available for ambitious bright M.D. or Ph.D., capable of independent research, to join interdisciplinary team of scientists in experimental lung transplantation. Ongoing, funded Program Project provides the opportunity to continue and expand research in areas of prior interests as well as joining in exciting research dedicated to solving the problems of transplantation. Stimulating laboratory environment as well as appointments in the Department of Medicine at Montefiore Hospital and in Microbiology and Immunology at Albert Einstein College of Medicine will assure interaction with other outstanding immunologists and will provide an excellent opportunity for academic achievement and growth. Salary and academic appointment according to qualifications. Send curriculum vitae to **Dr. Frank J. Veith, Montefiore Hospital, 111 East 210 Street, Bronx, N.Y. 10467.**

CHAIRMAN OF DEPARTMENT OF BIOMEDICAL ENGINEERING

Chairman sought for Department of Biomedical Engineering (School of Engineering and School of Medicine) at Case Western Reserve University to direct undergraduate and graduate programs in Biomedical Engineering. Research activities span the areas of Systems, Information Processing Devices, and Materials. Degree programs include M.S. in Clinical Engineering and combined Ph.D./M.D. as well as regular B.S., M.S., and Ph.D. in Biomedical Engineering. Department Chairman serves on policy-making body of the School of Medicine and School of Engineering. Must be well recognized as a biomedical engineering scientist and have broad leadership abilities linking engineering science, engineering technology, the basic life sciences, and medicine.

Applications and supporting materials should be sent to: **Dr. Eric Baer, Chairman, Search Committee, Olin Building, Case Western Reserve University, Cleveland, Ohio 44106.**

Equal Employment Opportunity (M/F)/Affirmative Action Employer.

ENDOCRINOLOGIST (M.D., Ph.D., or D.V.M.) with teaching experience in medical physiology or related field required to contribute to teaching of first-year medical Endocrine Course. Appointee expected to conduct an independent research program in an endocrine area with neuroendocrinology or renin-angiotensin-aldosterone system preferred. Appointment will be as **ASSISTANT or ASSOCIATE PROFESSOR OF PHYSIOLOGY.** Salary commensurate with qualifications and experience. Candidates should submit curriculum vitae and three names for reference purposes to: **Dr. Arthur M. Brown, Chairman, Department of Physiology, University of Texas Medical Branch, Galveston, Texas 77550. We are an Equal Opportunity M/F Employer.**

POSITIONS OPEN

FAIRLEIGH DICKINSON UNIVERSITY SCHOOL OF DENTISTRY is searching for a full-time **Chairman** and a faculty member in the Department of Human Anatomy. Teaching responsibilities encompass gross anatomy, neuroanatomy, histology, and embryology. Prior teaching experience in a Dental or Medical School is required. Interested individuals should send curriculum vitae in confidence to **Acting Chairman, Department of Anatomy, Fairleigh Dickinson University, School of Dentistry, 110 Fuller Place, Hackensack, New Jersey 07601. An Equal Opportunity Employer.**

POSITIONS OPEN

ENVIRONMENTAL MONITORING STUDY. A Washington, D.C., nonprofit national organization seeks a scientist or engineer with background in relevant scientific fields to assist, through 1976, a study group in investigative and advisory research on how environmental monitoring activities may be further improved to provide a basis for regulatory decisions. Ph.D. or equivalent experience desirable. *An Equal Opportunity Employer.* Send résumé and salary requirement to **Box 167, SCIENCE.**

U.S. ENVIRONMENTAL PROTECTION AGENCY

RESEARCH PHYSICIANS

Employment opportunities available immediately in the Human Studies Laboratory, Research Triangle Park, North Carolina, offering unique opportunities to pursue an active research career with broad implications for environmental control policy in this country.

DIRECTOR OF CLINICAL RESEARCH - Responsible for ongoing clinical laboratory research to detect and characterize the influence of environmental pollutant exposures on the health and performance of human beings. Must be board certified in Internal Medicine, Pediatrics, or Preventive Medicine and eligible for medical licensure in the State of North Carolina. Research experience in some aspect of environmental medicine and administrative experience in organizing and directing medical research programs is highly desirable.

PULMONARY PHYSICIAN - Direct the design and conduct of clinical studies to determine the influence of air pollution on lung function. Must be board eligible in Internal Medicine or Pediatrics with subspecialty training and research experience in chest medicine and pulmonary physiology.

CLINICAL IMMUNOLOGIST - Be responsible for studies describing the influence of environmental pollution on human immune status. Must be board eligible in Internal Medicine, Pediatrics, Preventive Medicine or Pathology with subspecialty training and research experience in immunology or microbiology.

EPIDEMIOLOGIST-PHYSICIAN - Furnish medical and epidemiologic expertise for the design and execution of population studies of the effects of environmental pollution on human health. Must have an M.D. degree with research experience as well as an advanced degree in epidemiology.

POSITIONS ARE CAREER CIVIL SERVICE
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Beginning salaries \$28,359 - \$33,794
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APPLY TO:

ENVIRONMENTAL PROTECTION AGENCY
PROFESSIONAL RECRUITMENT OFFICE
PERSONNEL MANAGEMENT DIVISION
RESEARCH TRIANGLE PARK, N.C. 27711



AN EQUAL OPPORTUNITY EMPLOYER

POSITIONS OPEN

GENERAL BIOLOGY. One year as visiting lecturer. Teaching load consisting of basic biology courses for majors and nonmajors. Also advise students and serve on department committees. Applicants must have broad background in the Biological Sciences, Ph.D. preferred but not required. Salary range \$10,000 to \$12,500. Deadline for accepting application: 25 April 1975. Send three references, transcripts, and curriculum vitae to **A. G. Scarbrough, Hiring Committee, Biology Department, Towson State College, Baltimore, Maryland 21204.** An Equal Opportunity/Affirmative Action Employer.

GEOCHEMIST/GEOCHRONOLOGIST

The Geology Department of Brooklyn College, City University of New York, has an opening for an individual whose primary research responsibility will be potassium-argon geochronology and who has a strong commitment to undergraduate teaching. Research equipment includes an M.S. 10 mass spectrometer for gas work and a solid source mass spectrometer. Position is as Assistant Professor and a Ph.D. is required. Send curriculum vitae promptly to **Chairman, Department of Geology, Brooklyn College, Brooklyn, N.Y. 11210.** Brooklyn College is an Affirmative Action/Equal Opportunity Employer.

INVERTEBRATE PHYSIOLOGIST-ANIMAL ECOLOGIST

We invite application for two openings. The first is an approved position in Invertebrate Physiology at the assistant professor level for 1975-1976. We anticipate authorization to fill a second position for 1975-1976 in Animal Ecology at the assistant professor level. Candidates should have adequate training to teach a course in biostatistics. If both positions are authorized, statistical competency will be emphasized in the second position. *We are an equal opportunity employer and encourage the application of minorities and women.* A successful candidate will be expected to initiate a vigorous research program, to advise graduate students, and to instruct at the undergraduate level. Apply to: **Chairperson of Biological Sciences, Bowling Green State University, Bowling Green, Ohio 43403,** with curriculum vitae, names of referees, and reprints of publications.

MICROBIOLOGY

Position available 1 September 1975 to 31 May 1976 as sabbatical replacement to teach microbiology and molecular genetics, at rate of \$12,000 per annum. Send curriculum vitae and three letters of recommendation to **Dr. Hildegard Enesco, Chairman, Department of Biological Sciences, Sir George Williams Campus of Concordia University, Montreal, Quebec, Canada H3G 1M8.**

NEPHROLOGIST—The Division of Nephrology in the Department of Medicine at the University of Alabama in Birmingham has available a position at the Assistant Professor or the Associate Professor level. The position is open to qualified individuals at a senior level fulfilling three criteria. First, the individual must have expertise in the care and management of patients with renal disease and in the operation of a hemodialysis unit. Second, the individual must have a firm commitment to teaching programs oriented to medical students, graduate students, house officers, and fellows. Finally, the individual should have a research background and be able to carry out independent research, preferably in renal micropuncture. Apply to the **Division of Nephrology, University Station, Birmingham, Alabama 35294.** Telephone: 205-934-3585. An Equal Opportunity/Affirmative Action Employer. Expiration date for receipt of applications: 1 June 1975.

PEDIATRIC NEUROLOGIST. A large university program for developmentally handicapped children, involved in interdisciplinary training of students from a dozen professional disciplines, primarily at the graduate and postgraduate levels, desires a fully qualified pediatric neurologist to head its pediatrics and neurology section. While this will be the primary setting, the incumbent will also spend a major portion of his time in teaching in the clinics and wards of the university hospital and will hold academic appointments in the Departments of Pediatrics and of Neurology. Excellence in teaching and research potential will be primary considerations. Position is available 1 July 1975. **Harrie R. Chamberlin, M.D., Director, Division for Disorders of Development and Learning, Child Development Institute, University of North Carolina, Chapel Hill, N.C. 27514** (Telephone: 919-966-4417). An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ANTICIPATED OPENING FOR MARINE COORDINATOR

Prime qualifications include understanding of marine science, ship logistics, and technical-administrative-organizational ability, including budget and financial matters. Duties vary from day-to-day departmental operations to logistic and organizational responsibility in broad cooperative programs involving many scientists and technical personnel. Talent and experience are more important than academic degrees. Salary open. Apply, with résumé, to

**Dr. Frank T. Manheim, Chairman
Department of Marine Science
University of South Florida
St. Petersburg, Florida 33701**

UNIVERSITY OF WASHINGTON SCHOOL OF MEDICINE DEPARTMENT OF PHARMACOLOGY

Postdoctoral research positions available as of 1 May 1975. Applications are invited from recent graduates with interest in any of the following areas: autonomic, biochemical pharmacology, toxicology, neuropharmacology, psychopharmacology, membrane transport, and developmental pharmacology. *We encourage minority and female applicants to contact us as we have an Equal Opportunity/Affirmative Action program.* Send inquiries and résumés to: **Dr. A. Horita, Department of Pharmacology SJ-30, School of Medicine, University of Washington, Seattle, Wash. 98195.**

PHYSIOLOGIST (NEUROPHYSIOLOGY/NEUROENDOCRINOLOGY) Ph.D. Faculty position. Department of Physiology, University of Arkansas School of Medicine, 4301 West Markham Street, Little Rock, Arkansas 72201. *Affirmative Action/Equal Opportunity Employer.* Excellent research and teaching opportunities. Postdoctoral research training and experience desired. Apply to **Dr. John Whitney, Chairman.**

POSITIONS OPEN

PEDIATRIC RADIATION ONCOLOGIST. To join faculty of Medical College of Wisconsin and to participate in building clinical and research programs at a developing children's cancer research center at Milwaukee Children's Hospital. Must be Board Certified in Therapeutic Radiology. Send curriculum vitae to **James D. Cox, M.D., 8700 West Wisconsin Avenue, Milwaukee, Wisconsin 53226.** Telephone: 414-257-5635.

TECHNICIAN (RESEARCH) NUCLEAR MEDICINE LABORATORY. Will monitor measurements on patients given radioactive fibrinogen, draw blood, perform data workup, and other laboratory test procedures, and assist with research. Medical technologist with some clinical lab experience preferred. Salary open, excellent fringe benefits. Contact **Edward A. Silverstein, Ph.D., Milwaukee County Medical Complex, Division of Nuclear Medicine, 8700 West Wisconsin Avenue, Milwaukee, Wisconsin 53226.** Telephone: 414-257-6110.

SUPERVISORY TECHNOLOGIST. A Nuclear Medicine Technology School to be operated by The Medical College of Wisconsin is seeking a full-time Supervisory Technologist. Requires a baccalaureate degree and Nuclear Medicine Certification—ASCP or ARRT. Individual must have demonstrated administrative capability and several years of teaching experience; in vitro laboratory work and research. Salary dependent upon qualifications. Contact: **Richard A. Holmes, M.D., Milwaukee County Medical Complex, Division of Nuclear Medicine, 8700 West Wisconsin Avenue, Milwaukee, Wisconsin 53226.** Telephone: 414-257-5968.

An Equal Opportunity Employer—M/F

POSTDOCTORAL appointment available immediately for synthetic organic chemist to collaborate with computer scientists and chemists in synthetic route design by computer, \$12,500 per year plus fringe benefits. Programming experience unnecessary. Send curriculum vitae to **Professor H. Gellenter, Department of Computer Science, State University of New York at Stony Brook, Stony Brook, New York 11794.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS: Two immediate openings. Biochemist needed for (i) study of enzyme kinetics and mechanisms, preferably with experience in protein isolation; (ii) neurochemistry: study of phospholipid metabolism in subcellular brain membranes. Send résumé and names of two references to either (i) **Dr. Ron MacQuarrie** or (ii) **Dr. Grace Y. Sun, Department of Chemistry, University of Missouri, Kansas City, Missouri 64110.** University of Missouri is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

THE UNIVERSITY OF WISCONSIN-MADISON. The Immunobiology Research Center invites application for several **postdoctoral positions** to participate in a 3-year study of **BIOCHEMICAL ASPECTS OF MEMBRANES AND TUMOR IMMUNOLOGY.** Ph.D. in Biochemistry or any related field with strong background in Biochemistry essential. Applications are encouraged from those who have recently completed the Ph.D. Send application, résumé, and references to: **J. J. Clauson, Immunobiology Research Center, 1150 University Avenue, Madison, Wisconsin 53706.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION for studies on the structure and function of contractile proteins in the nervous system. Previous experience in neurobiology and enzymology is desirable. Research provides an excellent opportunity for advanced training in protein chemistry, electron microscopy, and various biophysical techniques. Stipend \$10,000 to \$12,000 for 12 months. Send résumé to **Dr. Shin Lin, Department of Biophysics, Johns Hopkins University, Baltimore, Maryland 21218.**

POSTDOCTORAL RESEARCH

To work on isozymes in fishes. Applicants should have a good background in development, biochemistry, and genetics. Salary is \$10,000 for 12 months. Starting date negotiable. Send inquiries, curriculum vitae, and three letters of reference to **Dr. G. S. Whitt, Provisional Department of Genetics and Development, University of Illinois, Urbana, Illinois 61801.** An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH

Applications are invited for a position involving studies on immunological aspects of solid cancers. Some experience in cellular immunology required. Some biochemical background desirable. Excellent salary. Send curriculum vitae and names and addresses of three persons familiar with your work to

Box 168, SCIENCE

An Equal Opportunity Employer

PROFESSOR AND CHAIRPERSON, DEPARTMENT OF ANATOMY. The Albany Medical College of Union University invites applications from qualified individuals for the position of Chairperson of the Department of Anatomy, which is responsible for teaching and research programs in Gross Anatomy, Neuroanatomy, and Histology. The qualified candidate should possess an M.D. or Ph.D. and be experienced in teaching, administration, and research. Correspondence with curriculum vitae should be addressed to: **Joseph L. Glenn, Ph.D., Chairman of Anatomy Search Committee, Albany Medical College, Albany, N.Y. 12208.** An Equal Opportunity/Affirmative Action Employer.

PSYCHOLOGY RESEARCH ASSISTANT PROFESSOR POSITION IN REHABILITATION MEDICINE

The University of Washington is seeking a qualified candidate for a position in the Department of Rehabilitation Medicine. The position requires a person to carry out research on behavioral and some physiological effects of microwave radiation. In addition, the position requires the assuming of administrative responsibilities pertaining to grants and contracts plus the supervision of interdisciplinary graduate student research. The candidate must have a Ph.D. and a strong record of research in physiological psychology and animal behavior with some experience relating microwaves to animal behavior being essential. Interested applicants should submit curriculum vitae, including publications list, and names of four references to **Dr. A. W. Guy, Department of Rehabilitation Medicine, University Hospital RJ-30, University of Washington, Seattle, Washington 98195.**

The University of Washington is an Equal Opportunity/Affirmative Action Employer and will welcome applications from members of minority groups and women.

RESEARCH ASSOCIATE

An immediate opening in a position involving study of the thermodynamic properties of clay minerals and other silicates using calorimetric methods. Candidates should have Ph.D. in Geology or Chemistry, and should be experienced in instrumental techniques (although not necessarily calorimetry). Qualified applicants should send résumé and references to **Professor Samuel M. Savin, Department of Earth Sciences, Case Western Reserve University, Cleveland, Ohio 44106.** An Equal Opportunity Employer.

Technical Field Representatives BIOCHEMICALS

DUTIES: Call on universities, medical schools and government research facilities. Represent a manufacturer of very high quality research biochemicals. You will sell products developed by approximately 200 PhD's doing biochemical research in Europe. Our excellent reputation is known worldwide, but we need to have our story told in this country.

ABILITIES REQUIRED: Should have either an advanced degree in biochemistry, or a good sales record with some biochemical background. Should be familiar with university type research facilities.

Must enjoy meeting all types of people, both socially and on a business level. Will have to converse with researchers about their work, and use "soft-sell" techniques. But you must also be highly motivated and aggressive in organizing a territory and developing sales.

We will train you in the home office for two to three months.

LOCATIONS: *Washington, D.C.* home base, with responsibility for the entire east coast south of Penna. 70% of travel will be within 250 miles of Washington. Biochemists familiar with the operations of the NIH are encouraged to apply. Will sell out of warehouses in Atlanta, Ga. and Connecticut.

Northeastern States with 70% of travel within 250 miles of New York City. Will sell out of warehouses in Connecticut and Indiana.

SALARY: Excellent, based on ability, plus bonus, company car, benefits and expenses.

Send resume and salary requirements to Mr. Perkis, Boehringer Mannheim Corp., 219 East 44th Street, 8th fl., New York, N.Y. 10017

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ASSOCIATE DIRECTOR FOR ARTHRITIS AND RELATED MUSCULOSKELETAL DISEASES

The Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, invites applications for the position of Associate Director for Arthritis and related Musculoskeletal Diseases, salary range \$32,806 to \$36,000 per annum. (The maximum salary is limited by 5 U.S.C. 5308 to the rate for level V of the Executive Schedule, or \$36,000 as of this date.) Duties will include the planning and direction of programs of support for research and training in the diagnosis, prevention, and treatment of arthritis and related musculoskeletal diseases. A medical degree, and extensive experience in basic or clinical investigations in these areas, is mandatory. Must have held position involving program development and direction in these areas, and have recognized leadership ability. Must be citizen of the United States.

Forward résumé or Federal Application Form (SF-171) no later than 30 May 1975 to: Mrs. June Ardizzone, Personnel Officer, NIAMDD, Bldg. 31, Room 9A-34, National Institute of Arthritis, Metabolism and Digestive Diseases, National Institutes of Health, Bethesda, Maryland 20014.

NATIONAL INSTITUTES OF HEALTH

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RESEARCH ASSOCIATE (Ph.D. or M.D.)

With experience in cellular neurophysiology to participate in epilepsy research program and neuroscience training program. Send curriculum vitae and names of referees to **David A. Prince, M.D., Prof. or Chairman, Department of Neurology, Stanford Medical Center, Stanford, California 94305. Stanford University is an Equal Opportunity Employer.**

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An opening for a Research Associate (Ph.D.) will be available 1 June 1975 in the Laboratory of Dr. Jay Greenberg. Research into the synthesis and turnover of messenger RNA and heterogeneous nuclear RNA, poly A, mRNA-associated proteins, and repeated sequence transcripts in mRNA and HnRNA. Salary \$10,000. Submit résumé and letters of reference to: **Dr. Ashton Gibbons, Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH ASSOCIATE ENTOMOLOGY

Applicant should have a Ph.D. in Entomology with primary interest in pest management and conduct pest management research of pears involving integrated chemical and biological control coordinated with cultural practices. Must be able to work effectively with extension personnel and fruit growers. Salary will be at assistant professor level and commensurate with training and experience. Curriculum vitae, publication list, and name of three references should be sent to **Dr. Everett Buris, WSU Tree Fruit Research Center, Wenatchee, Washington 98801. Deadline: 15 April 1975. An Equal Opportunity/Affirmative Action Employer.**

Ph.D. or M.D. RESEARCH ASSOCIATE position in pathology department available immediately for experienced behavioral pharmacologist with background knowledge in neurophysiology and psychology to study the effects of organomercury compounds on primates and rodent adults and newborns. Preferably familiar with testing for behavioral interactions, temporal discrimination, and operant conditioning. Salary up to \$15,000 commensurate with training and experience. Applicants accepted until 15 April 1975. Send curriculum vitae and bibliography to **N. Karle Moffet, M.D., Professor of Pathology, University of Washington School of Medicine, Seattle, Washington 98195. An Equal Opportunity Employer.**

THE U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (DIVISION OF BIOMEDICAL AND ENVIRONMENTAL RESEARCH) supports the Mid-Pacific Marine Laboratory on Enewetak Atoll as an extension of the Hawaii Institute of Marine Biology. The laboratory has been reorganized and expanded to a year-round operation, with special interest in programs related to the distribution of radionuclides and other materials in the environment, the cycling of materials through the system, and possible implications to man. Interested researchers contact **Dr. Stephen V. Smith, Director Mid-Pacific Marine Laboratory, P.O. Box 1346, Kaneohe, Hawaii 96744.**

ENVIRONMENTAL DEFENSE FUND STAFF SCIENTIST. EDF Denver office. Ph.D. required, disciplines of hydrology, geology, or environmental engineering preferred, interest in environmental issues, generalist capabilities essential. Work will concentrate on energy resource extraction and conversion and water problems in the Rocky Mountain region. Salary comparable to government/academic positions. Reply with résumé to: **Environmental Defense Fund, 1130 Capitol Life Center, 16th at Grant Street, Denver, Colorado 80203.**

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Field: Fungal and bacterial degradation of wood and other materials.

General: The Division has a total staff in excess of 300 including some 150 professional scientists. It undertakes research in a number of areas including those directed towards the supply, design and utilization of building materials.

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Qualifications: A Ph.D. degree in microbiology, agricultural science, forestry, or other relevant discipline, or equivalent qualifications, and proven research ability. Preferably, the applicant should possess a sound working knowledge of biochemistry.

Salary: The appointment will be made within the salary ranges of Research Scientist or Senior Research Scientist \$10,778 to \$16,187 per annum.

Tenure: Either an indefinite or fixed term appointment may be negotiated. An indefinite appointment carries Australian Government Superannuation benefits subject to normal conditions.

Applications, stating full personal and professional details, the names of at least two referees, and quoting reference number 390/535, should reach: **The Assistant Chief, Division of Building Research, CSIRO, Forest Products Laboratory, P.O. Box 310, South Melbourne, Victoria 3205 Australia, by 11 April 1975.**

AUSTRALIAN

INSTITUTE OF MARINE SCIENCE

The Australian Institute of Marine Science has been established as a Statutory Authority by Act of the Australian Parliament. Under its Act, the Institute will perform Research in Marine Science and cooperate with other Institutions performing Research in Marine Science. The Institute is temporarily located at Cape Pallarenda, Townsville, with permanent headquarters being constructed at Cape Ferguson, southeast of Townsville. The Institute's principal early objective is the study of the Great Barrier Reef and neighboring waters.

RESEARCH SCIENTIST

Field: Physical Oceanography.

Duties: To participate in interdisciplinary field studies associated with primary productivity of inshore marine communities.

Qualifications: Ph.D. degree or equivalent qualification in physical oceanography with interests and experience in nearshore current systems and advective processes. Demonstrated capacity for active and independent research essential.

Salary: Appointments to be made within the salary range of Research Scientist/Principal Research Scientist \$A10,778 to \$A19,257 per annum.

Applications, giving details of qualifications, experience, personal particulars and the names of three professional referees are invited and should be forwarded to:

**The Secretary
Australian Institute of Marine Science
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Details of passage assistance and application forms may be obtained from the **New Zealand Embassy, 19 Observatory Circle, NW, Washington, D.C. 20008.** Closing date for applications is 15 May 1975.

TRAVEL AWARDS

INTERNATIONAL BOTANICAL CONGRESS TRAVEL AWARDS

The National Science Foundation may release some funds to be used in association with travel to the International Botanical Congress in Leningrad. Awards will be for \$300 to assist in travel, but are not intended to supplement other National Science Foundation funds or recently distributed Diamond Awards.

Previous applications for travel assistance to the Diamond Award Committee and National Science Foundation International Travel Program will automatically be reviewed. Plant scientists who are registered for the XII International Botanical Congress should write for application materials to: **Dr. Thomas N. Taylor, Department of Botany, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210.**

Deadline for receipt of completed applications is 25 April 1975.

GRADUATE STUDY

GRADUATE STUDY IN PHYSIOLOGY UNIVERSITY OF KANSAS MEDICAL CENTER COLLEGE OF HEALTH SCIENCES & HOSPITAL

Applications are invited for enrollment in the graduate program leading to the Ph.D. degree in physiology. Modern programs in physiology of systems and organs and in cellular physiology and biophysics prepare students for teaching and research careers in physiology. Financial support is available. For application forms and further information write to **Dr. G. N. Loofbourrow, Graduate Admissions Chairman, Department of Physiology, University of Kansas Medical Center, Kansas City, Kansas 66103. Equal Opportunity/Affirmative Action Employer.**

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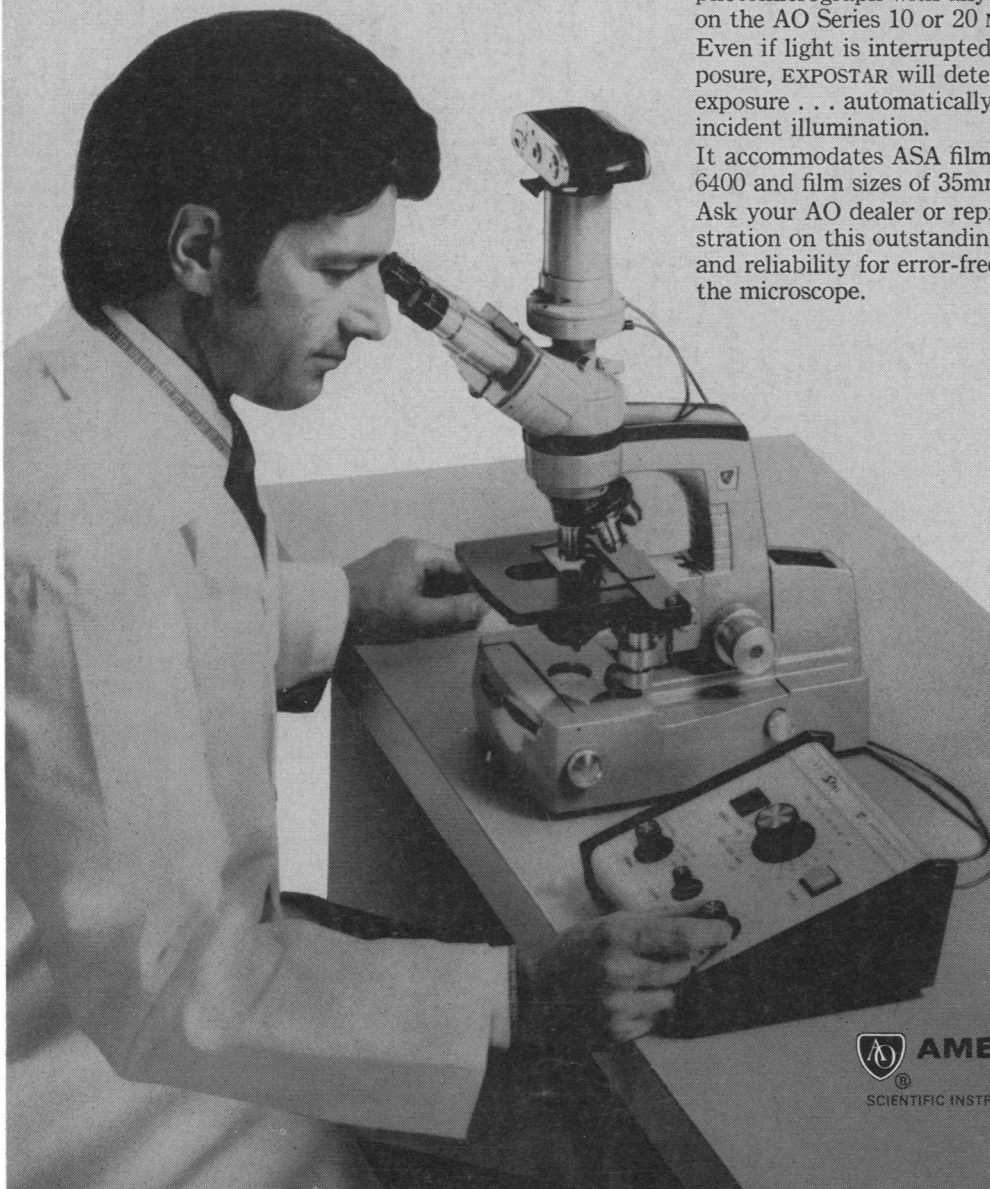
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