

Personnel Placement

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

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

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

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

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

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

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

Blind Ad replies should be addressed as follows:

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

POSITIONS WANTED

Biochemist: Ph.D., seeks faculty/research/administrative position. See Jourdikian ad in the 12 August 1977 issue of SCIENCE. 9/30; 10/7

Biomedical Communications. Periodicals editor seeks supervisory position in medical center, government, or industry. Experienced in organizing symposia for publication. Northeast preferred. Box 356, SCIENCE. X

EM Technician: 10 years of experience in biomedical TEM and 6 years in SEM; 5 years as lab supervisor. Write: L. R. Melsen, 2431 Gawain Drive, Birmingham, Alabama 35226. X

Environmental/Marine Chemist (M.S. in inorganic, 1973). Three years plus of experience in marine pollution work, flameless AA, nutrients, metal speciation; shipboard experience; computers; publications; bilingual. Seeks academic or government position. Box 357, SCIENCE. X

Neuropharmacologist/Electrophysiologist requires position in pharmacology, physiology, biology, zoology, or a marine station for teaching and research at the assistant professor level, or a pharmaceutical industry position. Box 358, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR IN DEVELOPMENTAL/CELLULAR BIOLOGY. The Biology Department of Rensselaer Polytechnic Institute is seeking applicants for a position as assistant professor to begin September 1978. Candidates must have a doctoral degree and background appropriate to teaching assignments which will include participation in undergraduate courses in general biology and embryology, and an advanced undergraduate or graduate course in cellular-level developmental biology. The successful applicant will be expected to vigorously pursue an independent program of research. Send curriculum vitae, current reprints, and three letters of reference to:

Dr. Joyce J. Diwan
Search Committee Chair
Biology Department
Rensselaer Polytechnic Institute
Troy, New York 12181

Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

ASSISTANT DIRECTOR

DEPARTMENT OF GRADUATE MEDICAL EDUCATION

Saint Barnabas Medical Center, a member of the Council of Teaching Hospitals of the Association of American Medical Colleges, seeks an Assistant Director for the Department of Graduate Medical Education. Applicants should have a Ph.D. degree with background in administration and education. Saint Barnabas Medical Center is located in a beautiful suburban community, 45 minutes from New York City. For further information, submit curriculum vitae to Abdol H. Islami, M.D.

Saint Barnabas Medical Center
94 Old Short Hills Road
Livingston, N.J. 07039
(201) 533-5500

Saint Barnabas Medical Center is
An Equal Opportunity Employer

ASSISTANT PROFESSOR OF BIOLOGY EMORY UNIVERSITY

The Department of Biology of Emory University is seeking a **comparative invertebrate physiologist** at the assistant professor level starting September 1978. A strong commitment to research and teaching is essential. Postdoctoral experience is preferred. Undergraduate teaching will be primarily in introductory and invertebrate biology courses, with teaching and supervision of M.S.-Ph.D. students in the applicant's specialty.

Send curriculum vitae and summary of research interests by 1 November and arrange for three letters of reference to be sent to:

Dr. William A. Elmer
C.I.P. Search Committee
Department of Biology
Emory University
Atlanta, Georgia 30322

An Affirmative Action/Equal Opportunity Employer

PLANT ECOLOGIST EMORY UNIVERSITY

The Department of Biology of Emory University is seeking a **population/community-oriented, terrestrial plant ecologist** at the assistant professor level for the fall 1978. A strong commitment to research and teaching is essential. Undergraduate teaching will be in ecological and botanical courses, with graduate teaching and supervision of M.S.-Ph.D. students in the applicant's specialty. Send curriculum vitae and course résumé by 1 November and arrange for three letters of reference to be sent to:

Dr. Harvey L. Ragsdale, Chairman
Ecology Search Committee
Department of Biology
Emory University
Atlanta, Georgia 30322

An Affirmative Action/Equal Opportunity Employer

ASSOCIATE SCIENTIST

Position available for Ph.D. in biochemistry and/or immunology with graduate training in immunology and cellular immunology and postdoctoral experience in tumor immunology, chromosome biology, somatic cell genetics, hybridization techniques, protein chemistry, with strong interest in cancer research. Applicant should intend to develop his/her own ongoing research projects. Salary range: \$10,000 to \$13,000. Submit detailed résumé to:

Sandy D'Ambrosio
The Wistar Institute
36th and Spruce Streets
Philadelphia, Pa. 19104

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOCHEMISTRY.

Applications are invited for a faculty position in biochemistry which is available as early as January 1978. Candidates must have a Ph.D., postdoctoral experience, and the ability to initiate an effective, independent research program in biochemistry. A strong commitment to both research and teaching is essential. Send curriculum vitae, three letters of recommendation, and a statement of future research plans to: **Dr. Donald Wetlaufer, Professor and Chairperson, Department of Chemistry, University of Delaware, Newark, Delaware 19711**, before 15 October 1977. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY HARVARD UNIVERSITY

The Cellular and Developmental Biology Subdivision expects to make an appointment at the **assistant professor** level for the coming year in the field of **neurobiology**. Applicants should have the Ph.D. Preference will be given to candidates with teaching experience, records of research accomplishment, and postdoctoral training.

The University is an Equal Opportunity Employer; women and members of minority groups are specifically encouraged to apply. Please have three professional persons who are well acquainted with your work send letters of recommendation directly to us. Applications should include your résumé, copies of your most significant publications, and a summary of your research goals, and should be sent to:

Chairman, Search Committee
Department of Biology
16 Divinity Avenue
Cambridge, Mass. 02138

prior to 1 November 1977.

ASSISTANT PROFESSOR (PHYSIOLOGY/ANATOMY) beginning September 1978 or 1 January 1978,

if possible. Specialty in neurophysiology, neuroeffector or sensory physiology, preferably of invertebrates. Applicants must have ability, background, and experience appropriate to teach basic anatomy/physiology to nursing students. Ph.D. required. Appointee will be expected to develop upper-level and graduate teaching and research program in specialty and must have recent research activity involving electrophysiological methods. Relevant facilities include marine laboratory, EM center, minicomputer and terminal to large computer. Annual (three-quarter) salary: \$13,000 or more depending on experience, prorated for remainder of present academic year. Will consider applicants not meeting graduate and research specifications for temporary appointment to teach anatomy/physiology in winter and spring quarters 1978. Send curriculum vitae and names of at least three references to: **Chairperson, Physiology Search Committee, Biology Department, Northeastern University, Boston, Mass. 02115.** Northeastern University is an Equal Opportunity/Affirmative Action Employer.

The Department of Microbiology, School of Medicine, University of South Dakota, invites applications from qualified individuals for a position as **ASSISTANT PROFESSOR OF VIROLOGY**. Candidates must possess a Ph.D. degree, have completed postdoctoral training and possess an interest in teaching medical, graduate, and allied health students. Development of an independent imaginative research program is imperative. Preference will be given to candidates with supplementary training in immunological aspects of virology.

Interested individuals should submit a curriculum vitae and names of three references to: **Paul F. Smith, Ph.D., Professor and Chairman, Department of Microbiology, School of Medicine, University of South Dakota, Vermillion, South Dakota 57069.** Closing date for applications is 1 January 1978. An Equal Opportunity/Affirmative Action Employer.

STATE UNIVERSITY OF NEW YORK AT ALBANY GEOPHYSICIST-SOLID-EARTH

The Department of Geological Sciences invites applications for a position as assistant or associate professor in the field of solid-earth geophysics effective in fall 1978. We seek candidates with broad research interests and a strong background in geology as well as geophysics. Applicants should send a full curriculum vitae, including names of four references to: **Dr. Kevin Burke, Department of Geological Sciences, State University of New York at Albany, 1400 Washington Avenue, Albany, N.Y. 12222.** State University of New York is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

BIOCHEMISTRY FACULTY POSITIONS RICE UNIVERSITY

Applications are invited for new faculty positions in the Department of Biochemistry of Rice University (full professor, associate professor, or assistant professor). Clear distinction in creative research and education essential. Preference will be shown to candidates in the area of molecular biochemistry of nucleic acids. However, applications are encouraged from outstanding candidates irrespective of field of interest.

Rice University is an Equal Opportunity/Affirmative Action Employer.

Send résumé and brief outline of future research plans to: **G. J. Schroepfer, Jr., Chairman, Department of Biochemistry, Rice University, Houston, Texas 77001.**

UNIVERSITY OF MISSOURI-COLUMBIA, MEDICAL CENTER Cardiovascular Technical Supervisor (Instructor in Medicine)

University of Missouri-Columbia Medical Center (Department of Medicine, Division of Cardiology) seeks a cardiovascular technical supervisor of the cardiac catheterization laboratory and graphics area. This key position has both major supervisory and teaching roles in a newly equipped cardiac catheterization laboratory with additional responsibilities in the area of non-invasive graphics. This newly created position as instructor in medicine has emphasis on teaching (of physicians, nursing, and technical staff), research, administration, and future development of these areas. Applicants need to have wide previous experience in a cardiac catheterization laboratory, a degree in a basic or biological science, and a strong technical knowledge of hemodynamic and radiological equipment in these areas. An interest or knowledge in computer science is desirable although not essential. Salary is negotiable dependent upon applicant's experience. Interested applicants send curriculum vitae to: **Dr. N. P. Madigan, Director, Cardiovascular Laboratories, University of Missouri-Columbia, C7 Medical Center, Columbia, Missouri 65201.**

ASSISTANT PROFESSOR POSITIONS

Department of Geological Sciences The University of Texas at Austin

The University of Texas at Austin, Department of Geological Sciences, invites applications for two assistant professor positions, effective 1 September 1978.

One position is in the field of economic geology, preferably with specialization in one of the following areas:

- 1) Ore deposits,
- 2) Solution geochemistry,
- 3) Stratabound mineral deposits, or
- 4) Mineral economics.

The successful applicant for this position will be expected to participate in the undergraduate teaching program that includes economic geology and field geology, in addition to graduate courses in the individual's specialty.

The second position available is in the field of structural geology, preferably with specialization in either analytical structural geology or rock mechanics.

The successful applicant for this position will be expected to participate in the undergraduate teaching program that includes structural geology and field geology, in addition to graduate courses in the individual's specialty.

Applicants for these positions must have the Ph.D. degree by 1 September 1978. Qualified persons should send a complete résumé including names of references and a statement of research interests and planned research projects to:

**Dr. Robert E. Boyer, Chairman
Department of Geological Sciences
The University of Texas at Austin
Austin, Texas 78712**

An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

The Department of Surgery of the George Washington University Medical Center is seeking a **BASIC SCIENTIST** (Ph.D. or equivalent) as a full-time member of the surgical staff. Responsibilities will include overseeing research experience of surgical residents, supervision of laboratory projects collaborating with other departments, and initiation and pursuit of his/her individual research interests and protocols supported by departmental, university, and outside solicited support. Salary is negotiable and commensurate with experience. Excellent opportunity for growth in newly reorganizing research laboratory effort, and academic position in pleasant and stimulating environment living in the nation's capital. Address inquiries with curriculum vitae and the names of three references to: **Surgical Research Committee, Room 813, Department of Surgery, George Washington University Medical Center, 2150 Pennsylvania Avenue, NW, Washington, D.C. 20037.**

The University of Alabama Schools of Medicine and Dentistry in Birmingham are soliciting candidates for the position of **CHAIRPERSON**, Department of Pharmacology. The successful candidate should possess a terminal degree and a firm commitment to academic excellence. This position provides an opportunity to organize and develop a department which is responsive to the teaching and research needs of medical, dental, and allied health students in a growing health science center. Emphasis will be placed on the development of a strong graduate program which will augment and interact with established programs in cancer, cardiovascular, and dental research. Applications should be accompanied by a curriculum vitae, including a bibliography and other relevant material, and should be submitted to the chairman of the search committee:

**Dr. Edward J. Miller
Department of Biochemistry
University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294**

University of Alabama in Birmingham is an Equal Opportunity/Affirmative Action Employer.

CHAIRPERSON DEPARTMENT OF ZOOLOGY

The Department of Zoology at Miami University is seeking a chairperson for a 5-year renewable term, beginning August 1978. The department, with 30 faculty members, 30 graduate students (M.S./Ph.D.), and approximately 800 undergraduate majors, carries out an extensive program of undergraduate and graduate instruction and research. Applicants must have a reputation for excellence in research and teaching. Inquiries and recommendations are welcome. Prospective candidates should send curriculum vitae and solicit three letters of reference to arrive by 31 October 1977 to:

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

An Equal Opportunity/Affirmative Action Employer

CLINICAL IMMUNOLOGIST: Major reference laboratory needs a Ph.D., to act as assistant director of a large and actively growing Microbiology/Immunology Department, with prime responsibility for clinical immunology. Applicants must have had practical bench experience as well as a sound knowledge and understanding of both the technical and clinical aspects of diagnostic immunology, and must be eligible for California technologist license. Managerial experience would be a strong asset as would previous experience in diagnostic microbiology. Send detailed résumé to: **Dr. Robert Blaker, Director of Microbiology, Bio-Science Laboratories, 7600 Tyrone Avenue, Van Nuys, Calif. 91405.**

We are an Equal Opportunity Employer

PHARMACOLOGY. ACADEMIC POSTDOCTORAL TRAINING. A position has been created to provide training for persons interested in academic careers in pharmacology. The trainee will participate in research in cardiovascular/autonomic pharmacology or histamine release and in teaching and departmental administration. Position is at nontenure-track faculty rank of associate. Preference given to persons who are just completing work for Ph.D. or equivalent degree or who have limited postdoctoral experience. Salary negotiable. Send curriculum vitae to: **Dr. Neil C. Moran, Chairman, Department of Pharmacology, Emory University, Atlanta, Georgia 30322. Emory is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

CHAIRMAN Department of Physiology School of Medicine University of Maryland

Chairperson available 1 July 1978. The University of Maryland seeks candidates of outstanding accomplishments and international recognition. Candidate must demonstrate accomplishments in the area of scientific investigation, excellence in teaching, and ability in administration.

Interested persons are invited to send curriculum vitae and bibliography to:

**G. Robert Mason, M.D., Ph.D.
University of Maryland
School of Medicine
Room 4-1100
22 South Greene Street
Baltimore, Maryland 21201**

An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

DIRECTOR, North Dakota Regional Environmental Assessment Program (REAP). The North Dakota Legislative Council is seeking a director for the North Dakota Regional Environmental Assessment Program in Bismarck, N.D. REAP is a computer-oriented resource information and analysis program designed to provide a comprehensive system for environmental, socioeconomic, and sociological data acquisition, monitoring, and analysis. It was established in 1975 to provide decision-makers with an accurate and coordinated information and forecasting tool. The director should have a natural or social science, or engineering background and be capable of administering a highly skilled technical staff and dealing on the policy-making level of government. Salary is negotiable. Applications must include a complete résumé, the names and addresses of three to five professional references and at least two personal or character references, and a list of publications and oral presentations. Application deadline is 14 October 1977. Send applications to: **John A. Graham, Director, North Dakota Legislative Council, State Capitol, Bismarck, N.D. 58505.**

ENGINEER-PHYSIOLOGIST

Engineer-physiologist (doctoral degree in engineering science) with several years of experience in temperature regulation, circulatory and exercise physiology, experience in mathematical modeling, computer programming and instrumentation to join major university medical center. Write to: **John A. Downey, M.D., Chairman, Department of Rehabilitation Medicine, Columbia-Presbyterian Medical Center, 630 West 168 Street, New York, N.Y. 10032. Affirmative Action/Equal Opportunity Employer.**

UNIVERSITY OF ILLINOIS, CHICAGO

The Department of Biological Sciences invites applications for **FOUR FACULTY POSITIONS** for September 1978. Preference will be given to candidates with postdoctoral experience who have demonstrated outstanding potential for independent research in mammalian cell and molecular biology, experimental mycology; animal physiology (two positions). Each of the four applicants selected will be expected to teach undergraduate and graduate courses in one of the following areas: (i) cell and molecular biology, (ii) general mycology, (iii) mammalian physiology, and (iv) comparative animal physiology. All faculty members are expected to direct M.S. and Ph.D. candidates.

Applications, including curriculum vitae and letters from three references, should be sent to: **Dr. S. K. Shapiro, Head, Department of Biological Sciences, University of Illinois, Box 4348, Chicago, Illinois 60680.** Closing date: 21 October 1977. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION

The Department of Microbiology and Immunology at the University of Colorado Medical School invites applications for positions at the assistant professor level. Applicants (M.D. or Ph.D.) should have research experience in molecular aspects of bacterial or viral pathogenesis and would be expected to establish a quality research program in one of these areas. Teaching responsibilities include participation in medical, dental, and graduate student courses. Send curriculum vitae and names of three or more references to: **Dr. L. I. Pizer, Department of Microbiology and Immunology, University of Colorado Medical Center, 4200 East Ninth Avenue, Denver, Colorado 80262. The University of Colorado is an Equal Opportunity Employer.**

POSITIONS OPEN

CELLULAR NEUROPHYSIOLOGIST. The Department of Biology at the University of Oregon is seeking a regular faculty member at the assistant, associate, or full professor level beginning September 1978. Applicants should have a broadly based interest in neurobiology and a proven ability to conduct a sustained program of original research in cellular neurophysiology. Proposals from two persons to share this position will be considered. For position description and application forms write to: **Head, Department of Biology, University of Oregon, Eugene, Ore. 97403.** *The University of Oregon is an Equal Opportunity/Affirmative Action, Title IX Institution.*

NUTRITIONIST

The position of nutritionist, instructor/assistant professor in oncology, is immediately available at the University of Louisville Medical School, Cancer Center. It requires a person with a master's degree or greater in nutrition, the biochemistry of human nutrition, microbiology, or related discipline. Qualifications include prior experience with a nutrition laboratory, clinical experience with the nutrition of cancer patients, investigative talents to assist in determining the effects of dietary manipulation related to cancer therapy. The position requires an ability to design, implement, and evaluate nutrition programs. Leadership and the ability to direct other professionals must be demonstrated by previous experience. Please submit curriculum vitae to: **Carlo H. Tamburro, M.D., Chief, Digestive Diseases and Nutrition Section, University of Louisville, Health Sciences Center, P.O. Box 35260, Louisville, Kentucky 40232.** *An Equal Opportunity/Affirmative Action Employer.*

PHARMACOLOGY-RESEARCH INSTRUCTOR

Applications are being accepted from qualified candidates. Requires Ph.D. in pharmacology or related field with 1 or 2 years of experience in environmental toxicology. Should have experience with the effectiveness of heavy metals on the developing nervous system.

RESEARCH ASSISTANT PROFESSOR

Applications are being accepted for a Ph.D. with 5 to 10 years of experience in CNS. Should have experience in psychological pharmacology and narcotic agents including effects on the GI track.

These positions are available for persons engaged in funded research. Interested candidates should submit their curriculum vitae to: **Dr. John J. O'Neill, Chairman, Department of Pharmacology, Temple University School of Medicine, 3420 North Broad Street, Philadelphia, Pa. 19140.** *An Equal Opportunity/Affirmative Action Employer.*

COMPARATIVE PHYSIOLOGIST

Hiram College seeks an assistant professor of biology in the area of physiology to begin 1 January 1978. Doctorate required. Duties: teach animal physiology, cellular physiology, and one course in plant physiology offered every 2 years; supervise undergraduate research and develop an active research program compatible with department resources. Submit curriculum vitae and three references by 1 November 1977 to: **Dr. William Laughner, Biology Department, Hiram College, Hiram, Ohio 44234.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION

Available 1 December 1977 for research on microsomal electron transport in invertebrates. Recent Ph.D. in biochemistry with experience on drug metabolism preferred. \$12,000 per year. Send curriculum vitae and two references to: **Dr. M. Agosin, Rivabend Research Laboratories, University of Georgia, Athens, Ga. 30602.**

TUMOR IMMUNOLOGIST—Faculty appointment. Basic and applied tumor immunology relating to response of tumor or local irradiation; murine, and clinical studies. Facilities: a defined flora, SPF mouse colony (C3H, BALB/c, normal, nude), excellent general laboratory research opportunity. Active clinical trials of immunopotentiators in progress. Qualifications: M.D. or Ph.D.; at least 1 year of postdoctoral work. Start: 15 October 1977. Apply: **Dr. H. D. Suit, Department of Radiation Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts 02114.** *Equal Opportunity Employer.*

POSITIONS OPEN

ENTOMOLOGIST AND SYSTEMS ECOLOGIST. The Department of Zoology and Entomology and the Natural Resource Ecology Laboratory (NREL), Colorado State University, are seeking a person to work with pest insects of natural and agricultural ecosystems in a total systems context. Candidates should have a Ph.D. in entomology, with a strong background in quantitative biology and pest management. Duties will include instruction within the zoology/entomology curriculum and working with an interdisciplinary team in the NREL to develop models of terrestrial ecosystems. Proficiency in various techniques of simulation and optimization modeling is essential. Academic rank: assistant professor. Salary negotiable. Appointment date: after 1 January. Curriculum vitae, outline of professional goals and experience, pertinent publications, and names of three referees should be sent to: **J. Wayne Brewer, Department of Zoology and Entomology, Colorado State University, Fort Collins, Colorado 80523,** before 15 November 1977. *Colorado State University is an Equal Opportunity Employer and complies with Title IX requirements. Complaints should be filed with the Office of Equal Opportunity, Student Services Building.*

POSITIONS OPEN

OCEANOGRAPHY—Position available at assistant or associate professor rank in geological oceanography to teach at graduate level (M.S. and Ph.D.); Ph.D. required. Emphasis on shelf, coastal, and estuarine areas. Research interests could include suspended sediments, marine stratigraphy/structural geology/geotechnology/mineralogy/petrography/ocean disposal or marine sediments. Position available August 1978, or perhaps earlier. Send curriculum vitae and three references by 15 November 1977 to: **Dr. John C. Ludwick, Director, Institute of Oceanography, Old Dominion University, Norfolk, Va. 23508.** *An Affirmative Action/Equal Opportunity Employer.*

PLANT GENETICIST—Assistant professor position beginning 1 July 1978. Duties include teaching, supervising graduate students, and research in plant genetics. Facilities include plant growth chambers, a field laboratory, and a laboratory for genetics research whether molecular, cytogenetic, or evolutionary. Send résumé and three letters of reference before 1 November 1977 to: **R. C. von Borstel, Chairman, Genetics Department, University of Alberta, Edmonton, Alberta, Canada T6G 2E9.**

GEOPHYSICIST OR PHYSICAL OCEANOGRAPHER

GS-16, \$39,629-\$47,500

Arctic and Earth Sciences Division
Office of Naval Research

Director, Arctic and Field Project Programs.

Has responsibility for developing, implementing, administering and coordinating ONR's contract research programs in the Arctic and several other ONR field projects concerned with geophysics of the environment. Covers wide spectrum of scientific disciplines including physical oceanography, solid earth geophysics, air-ice and sea-ice physics, ionospheric and atmospheric geophysics, acoustics and remote sensing.

Education.

PhD or equivalent research background in geophysics or oceanography or related physical sciences.

Experience.

Experience managing a major multidisciplinary program, ability to effectively interact with diverse groups, recognized scientific stature and evidence of successful project officer experience equivalent to that of Chief Scientist on major geophysical or oceanographic experiments. Interested candidates should send personal qualifications statement, SF-171 or detailed resume, including publications and references by October 14 to:

**Office of Naval Research
Director of Civilian Personnel
Code 7212
Arlington, Virginia 22217**

Equal Opportunity Employer

POSITIONS OPEN

IMMUNOLOGY/IMMUNOGENETICS. Applications are invited for a position in the Faculty of Medicine at Memorial University of Newfoundland. The successful candidate will be expected to conduct research within the field of immunology or immunogenetics and to teach undergraduate and graduate students. The main interests of the immunology group at Memorial are: (i) HLA in a broad sense (HLA and other chromosome-six markers, HLA and disease), (ii) immunodeficiency, and (iii) immunology and family studies. Other current active research programs at Memorial include such areas as gene regulation, endocrine systems, growth and differentiation, microbiology, and neurosciences. Applications, with the names of three referees, should be sent as soon as possible to: **Dr. Bodil Larsen, Chairman of the Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1B 3V6.**

PHYSIOLOGIST/PHARMACOLOGY. Ph.D., with experience in membrane physiology/ION regulation/cellular endocrinology. To work in an interdisciplinary group. Interest in comparative physiology an advantage. Rank and salary commensurate with training and experience. Please send curriculum vitae to: **The MOUNT SINAI School of Medicine of the City University of New York, Box 2, Pharmacology Department, 100th Street and Fifth Avenue, New York, N.Y. 10029.** An Equal Opportunity Employer.

POSTDOCTORAL: calorimetric studies of thymidylate synthetase. Must be skilled in protein purifications. Knowledge of instrumental methods desirable. Two years, starting November 1977. Send résumé and names of two references to:

**Neal Langerman
Utah State University
Department of Chemistry—03
Logan, Utah 84322**

ENZYMOLGY POSTDOCTORAL. A 1- or 2-year appointment is available starting immediately. The research is on the structure and function and regulatory properties of malic enzyme. Experience in enzyme characterization, kinetics, ligand binding, and chemical modification studies highly desirable. Interested persons should send a résumé and three references to: **Professor Robert Y. Hsu, Biochemistry Department, State University of New York, Upstate Medical Center, 766 Irving Avenue, Syracuse, New York 13210.** Telephone: 315-473-5134.

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS available at various times in soil and crop science, crop physiology, genetics, soil physics, and other disciplines; 1 year with opportunity for second year subject to performance and availability of funds. Send biographical data, transcripts, and names of three references to: **R. W. Howell, Department of Agronomy, University of Illinois, Urbana, Ill. 61801.**

An Affirmative Action/Equal Opportunity Employer, and encourages applications from minorities and women.

PROFESSOR OF COMMUNICATIONS

The Annenberg School of Communications at the University of Southern California seeks to appoint a professor of communications, effective September 1978 or sooner.

Significant scholarly and research contributions in the field of endeavor, as well as national and/or international prominence, will be expected of all candidates.

Earned doctorate with distinguished quantitative research and teaching excellence is desired in communications policy, theory, or research. Areas of interest to the committee include: information systems and sciences, human information processing, social psychology of communications, international communications, mass communications, and communication economics.

Candidates should be prepared to teach graduate courses and advise doctoral and masters candidates, as well as supervise dissertations. Procurement and management of research grants and continuation of scholarly writing and research is expected. Previous government, business, or industry experience is desirable. *The University of Southern California is an Affirmative Action Employer.* Please send curriculum vitae to: **Professor Gerhard J. Hanneman, Chairperson, Faculty Search Committee, Annenberg School of Communications, University of Southern California, Los Angeles, California 90007; telephone: 213-741-2253.**

POSITIONS OPEN

PHYSIOLOGIST

The University of California, Irvine, College of Medicine, Department of Physiology is seeking an assistant or associate professor.

Candidates should be broadly trained in physiology with research interest and training (including postdoctoral) in the molecular basis of muscular contractions. Candidates should hold a doctorate degree (M.D. or Ph.D.) and have shown excellence and originality expected of a potential leader in research. Duties include teaching physiology to medical students and biophysics and physiology graduate students.

Applications from qualified candidates are welcome; minorities and women are encouraged to apply. Send names of four references and curriculum vitae to: **Dr. Peter F. Hall, Professor and Chairman, Department of Physiology, University of California, Irvine, California 92717** by 24 October 1977 (formerly 15 October).

POSTDOCTORAL POSITION for recent Ph.D. available fall 1977 or spring 1978. Project: calorimetry of muscle proteins and their interactions with nucleotides. Experience in working with proteins desirable. Submit curriculum vitae and names of two referees to: **Dr. R. C. Woledge, Department of Physiology, University College, London, Gower Street, London WC1E 6BT, England.**

DEPARTMENT OF PSYCHOBIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE

Position available at level of **POSTGRADUATE RESEARCH PSYCHOBIOLOGIST** beginning immediately. Applicants must have completed the doctorate and should have postdoctoral experience in relationship between neurohormone secretion and protein phosphorylation in cultured adrenal chromaffin cells. Candidates should also have experience with slab gel electrophoresis techniques, with techniques for investigating transmitter secretion, and with tissue culture techniques. Applicants should submit a curriculum vitae, references, and publications to: **Dr. Gary S. Lynch, Department of Psychobiology, University of California, Irvine, California 92717.** *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.*

TOXICOLOGIST, BRANCH CHIEF

National Institute for Occupational Safety and Health (NIOSH), CDC, PHS, needs a toxicologist for the development and implementation of a broad in-house and extramural research program focusing on the toxic effects of occupational hazards. The current program includes studies of carcinogenic, teratogenic and mutagenic effects, acute and chronic inhalation studies and metabolism/mechanism studies. Applicants must have extensive background in toxicology, including inhalation toxicology.

Position is in Federal Civil Service (Career-GS-15) or the Public Health Service Commission Corps.

Interested candidates should send applications to: **Jon Ruse, NIOSH Personnel Office, 4676 Columbia Parkway, Cincinnati, Ohio 45226.**

An Equal Opportunity Employer

VISION SCIENTIST. Full-time tenured position for established investigator to carry out research and teaching in vision and ophthalmology. Patient care opportunities if desired. Effective date and salary negotiable. Send curriculum vitae, bibliography, and description of research interests to: **Dr. A. H. Bunt, Chairman, Bishop Professor Search Committee, Department of Ophthalmology RJ-10, University of Washington, Seattle, Wash. 98195.** An Affirmative Action/Equal Opportunity Employer.

VISITING PROFESSOR at the assistant professor to full professor level for 1 year commencing in fall 1977. A strong background in molecular biology or genetics is desirable. Applicants for this position should send their curriculum vitae, a list of publications, and names of three references to: **The Search Committee, Department of Microbiology, Health Sciences Center, State University of New York at Stony Brook, Stony Brook, New York 11794.** *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

The University of Utah College of Medicine, Salt Lake City, Utah, invites nominations and applications for the position of **PROFESSOR AND CHAIRMAN** of the Department of Pathology. This position requires an academic pathologist with substantial teaching, administrative, and research abilities to provide leadership in a large university health sciences center. *The University is an Equal Opportunity/Affirmative Action Employer.* Thus, applications from women and minority groups are encouraged. Inquiries, including a curriculum vitae, should be sent to: **Dr. Sidney Velick, Chairman Pathology Search Committee, Department of Biochemistry, College of Medicine, University of Utah, Salt Lake City, Utah 84112.**

RESEARCH ASSOCIATE

Position available immediately for recent Ph.D. who will study dynamics of membrane organization in the human red cell. Background in molecular cell biology or regulatory biochemistry preferred. Submit curriculum vitae to: **Dr. Grant Fairbanks, Worcester Foundation for Experimental Biology, Shrewsbury, Mass. 01545.** Telephone: 617-842-8921, extensions 356 or 392.

An Equal Opportunity/Affirmative Action Employer

RESEARCH BIOCHEMIST ARTIFICIAL HEART VALVES

Outstanding Southern California opportunity exists for a degreed biochemist or chemist with recent experience in chemical modification of proteins or tanning procedures, evaluating cross-linked proteins for number and types of bonds formed, stability to enzymatic and in vivo hydrolysis, immunological reactions, and changes in physical properties. Experience in histology and SEM techniques helpful. Recent biochemistry project management responsibility may substitute for protein chemistry experience. This is a senior level chemistry position with an excellent starting salary and benefit package. Qualified candidates are urged to send résumés to:

**Employment Manager
EDWARDS LABORATORIES
P.O. Box 11150
Santa Ana, California 92711**

RESEARCH POSITION—Biochemist (Ph.D.) preferably with postdoctoral experience. Research involves enzyme purification and characterization. Renewable 1-year appointment. Salary negotiable. Send curriculum vitae and letters of references to: **W. Edgar Barnett, Director, University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division, ORNL: P.O. Box Y, Oak Ridge, Tenn. 37830.** An Equal Opportunity/Affirmative Action Employer.

VETERINARY PARASITOLOGIST. Assistant professor, Department of Microbiology and Public Health, Michigan State University. D.V.M. degree or the equivalent and advanced training in parasitology required. Primary responsibility will be teaching parasitology to veterinary students in a series of integrated medical courses which are systems oriented. Will be expected to develop an active research program in parasitology, participate in graduate training, and advise veterinary practitioners on parasitic problems. Salary (12 months): commensurate with qualifications and experience. Position available immediately. Please send curriculum vitae and names of three referees to: **Dr. D. E. Schoenhard, Department of Microbiology and Public Health, Michigan State University, East Lansing, Mich. 48824.** An Equal Opportunity/Affirmative Action Employer.

SCIENTIFIC EXCHANGES

SCIENTIFIC EXCHANGES WITH USSR AND EASTERN EUROPE

**Commission on International Relations (USSR/EE)
National Academy of Sciences
2101 Constitution Avenue, Washington, D.C. 20418**

Applications are invited from American scientists interested in professional visits (1 to 12 months) between September 1978 and August 1979 in the USSR, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, Yugoslavia, and possibly the German Democratic Republic. Applicants must be United States citizens and have a doctoral degree in the natural or social and behavioral sciences. Deadline for completed applications is 18 November 1977.



FIVE-YEAR FELLOWSHIP IN NUCLEAR THEORY

The Nuclear Science Division, Lawrence Berkeley Laboratory, University of California has a position open as Divisional Fellow in nuclear theory for a person of outstanding promise, and an interest or background in physics pertinent to high energy heavy ion collisions. The appointment will be for a term of five years with the opportunity of promotion to a senior scientist position.

Applicants are requested to submit a curriculum vitae, list of publications, statement of research interests, and letters from three references to N. K. Glendenning, Chairman Search Committee, Nuclear Science Division, Berkeley, California 94720, as early as possible and before the closing date of 1 January 1978.

LAWRENCE BERKELEY LABORATORY

An Equal Opportunity Employer m/f

DROSOPHILA GENETICIST

The National Institute of Environmental Health Sciences, National Institutes of Health, Public Health Service, invites applications for the position of Drosophila Geneticist. The incumbent will develop several contracts to carry out mutagenesis screening of chemicals. He/she will be responsible for evaluating and interpreting the Drosophila mutagenesis screening methods and results. Additionally the incumbent will participate in the research program in the Population Genetics Section of the Laboratory of Environmental Mutagenesis. This research relates analysis of naturally occurring and newly arising genetic variation in Drosophila. The position requires a Ph.D. or equivalent in genetics or a closely related field, with post-doctoral experience and publications in genetics.

The position will be filled through career Civil Service appointment. Applicants will be subject to procedures prescribed by the Civil Service Commission. Salary range \$20,400 to \$26,500 per annum depending on qualifications. Letters of application with curriculum vitae, bibliography, and the names and addresses of two references should be mailed no later than November 21, 1977, to:

Penelope P. Gardner
Personnel Office

**NATIONAL INSTITUTE OF
ENVIRONMENTAL HEALTH SCIENCES**
P.O. Box 12233
Research Triangle Park, N.C. 27709

An Equal Opportunity Employer

NASA CENTER DIRECTORS

The National Aeronautics and Space Administration is responsible for the leadership of the nation's research and development efforts in space and aeronautics. The agency has executive opportunities in two of its ten field centers for the position of center director.

POSITION REQUIREMENTS

Center directors occupy key executive positions in NASA. They are responsible for the planning and direction of research and development programs of national and international significance. Applicants must have significant and recent technical accomplishments and/or management experience in one or more of the disciplines related to the center's program activities. Also applicants must have demonstrated an ability to manage a highly diverse and complex aerospace research and development laboratory.

• AMES RESEARCH CENTER

The Center, located near San Francisco, California, conducts research and development programs in the area of short-haul aircraft technology, helicopter technology, flight simulation, computational fluid dynamics, and planetary entry, airborne sciences and applications, and aeronautical and space life sciences.

Ames has a staff of 800 scientists and engineers and some 800 support personnel. Facilities of superior merit include a 40 by 80 foot wind tunnel, flight simulator for advanced aircraft, an ILLIAC IV computer, C-141 airborne infrared observatory, unitary wind tunnel complex, and a biological containment facility.

• LEWIS RESEARCH CENTER

The Center, located in Cleveland, Ohio, conducts research and development programs in the areas of high-performance civil and military aeronautical propulsion systems, energy technology and applications, chemical and electrical propulsion technology, materials performance improvements, and is responsible for the management of the Atlas/Centaur and Titan/Centaur launch vehicles.

Lewis has a staff of 1300 engineers and scientists and some 1600 support personnel. Facilities of superior merit include engine research building, turbine combustor facility, engine fan and jet noise facility, zero-gravity facility, icing research tunnel, 8 by 6 foot and 10 by 10 foot wind tunnels, and a propulsion systems laboratory.

Résumé or Standard Form 171 should be sent to: **Director of Executive Development, Code QE-2, National Aeronautics and Space Administration, Washington, D.C. 20546.**

An Equal Opportunity Employer

DIRECTOR OF ACADEMIC COMPUTING

The State University of New York at Buffalo invites applications for the position of Director of Academic Computing within University Computing Services. The successful applicant will have the responsibility for providing a computing service to an academic community of 32,000 faculty, students and research workers. Currently the Academic Computing Center has a central CDC Cyber 173 with four Harris 1610's providing an RJE service at Satellite computing centers. The Cyber 173 has 64 asynchronous ports and there are plans to add some 200 further interactive ports over the next few years.

Applicants are expected to have the Ph.D. degree in an appropriate field and have a minimum of ten years' experience as a university faculty member. The position is likely to be attractive to associate or full professors, with considerable computing experience and a substantial administrative background.

Buffalo is one of the more pleasant areas in the northeast with numerous cultural activities the year round, and extensive opportunities for outdoor recreation, both in summer and winter.

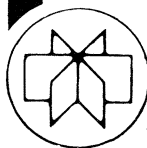
Applications must be received by October 31st; a full curriculum vitae and names of three referees should be included in the first instance. Applications should be sent to:

**Dr. W. M. Macintyre, Director
University Computing Services,
S. U. N. Y. at Buffalo**

Box No. 60

4250 Ridge Lea Road, Buffalo, N.Y. 14226.

AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER



TRAINEESHIPS

POSTDOCTORAL TRAINEESHIP to study mechanisms of cataract formation in human and animal crystalline lenses, starting fall 1977. Experience in tissue culture, protein chemistry, and/or enzymology preferred. Ph.D., M.D., or equivalent required. Full-time position for 1 year with possible extension of up to 3 years. Salary \$10,000 to \$14,000. Please send résumé and three references to: **Personnel Office, Massachusetts Eye and Ear Infirmary, 243 Charles Street, Boston, Mass. 02114.**

An Equal Opportunity Employer

CONFERENCE

STANFORD CONFERENCE ON MOLECULAR STRUCTURAL METHODS IN BIOLOGICAL RESEARCH

The Stanford Magnetic Resonance Laboratory announces the third annual Stanford Conference on Molecular Structural Methods in Biological Research, 10-11 November 1977 at the Palo Alto Holiday Inn. The conference will be devoted to recent advances in the solution of biological structural problems by spectroscopic and crystallographic techniques, with a special emphasis on problems of protein and membrane structure and function. A partial list of speakers includes: S. Boxer (Stanford), E. M. Bradbury (Portsmouth), G. Careri (Rome), S. Chan (Caltech), R. A. Dwek (Oxford), W. A. Gibbons (Wisconsin), E. Hahn (Berkeley), K. Hodgson (Stanford), D. P. Hollis (Johns Hopkins), O. Jardetzky (Stanford), H. McConnell (Stanford), A. Pines (Berkeley), G. N. Ramachandran (Bangalore), G. C. K. Roberts (MRC, Mill Hill), and L. Stryer (Stanford). The conference is sponsored by the Biotechnology Resources Branch of the National Institutes of Health. Participation is limited to 150. For further information and registration forms, write to: **Alice Walker, Stanford Magnetic Resonance Laboratory, Stanford University, Stanford, Calif. 94305; telephone: 415-497-6270.**

FELLOWSHIPS

SPECIAL FELLOWSHIP IN ONCOLOGIC EDUCATION

Temple University School of Medicine

An innovative 2-year program for a physician with training or strong interest in medical, surgical, pediatric, gynecologic, or radiation oncology, which will qualify him/her as a teacher of oncology in a medical school. Pathologists and psychiatrists or others with similar interests are invited to apply. One-half time will be spent in coordinating cancer education resources of Temple University School of Medicine and one-half time will be devoted to developing his/her teaching skills at medical education centers throughout the country and imparting these skills to the Temple faculty. Apply to: **R. V. Smalley, M.D., Section of Medical Oncology, Temple University Hospital and Medical School, 3401 North Broad Street, Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH FELLOWSHIP IN HUNTINGTON'S DISEASE

Applications are invited for a 1-year postdoctoral fellowship in clinical and basic research in studies relating to problems of Huntington's Disease. Applicants must have professional degree of M.D. or Ph.D. Candidates are welcomed whose field of interest is one of the following areas: preclinical sciences, including biochemistry, molecular biology, pathology, or pharmacology, or from such clinical specialties as neurology, psychiatry, or human genetics. Fellowship stipend is \$13,000. Application deadline is 1 December 1977. Awards will be announced by 1 March 1978 for fellowship to begin 1 July 1978. Send résumé, references, and proposal to: **The National Huntington's Disease Association, Suite 431, Lakewood Center North Building, 14600 Detroit Avenue, Cleveland, Ohio 44107.**

POSTDOCTORAL RESEARCH FELLOWSHIP to study the structural and metabolic correlates in plasma low-density lipoproteins (LDL) of nonhuman primates available immediately. Interest in lipid-protein interaction and protein biochemistry desirable. Contact: **Dr. L. L. Rudel, Arteriosclerosis Research Center, Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, N.C. 27103. Equal Opportunity Employer.**

FELLOWSHIPS

C. H. BEST FOUNDATION POSTDOCTORAL FELLOWSHIP

Applications are invited for the C. H. Best Foundation postdoctoral fellowship, in the Banting and Best Department of Medical Research. The fellowship is tenable approximately 1 July 1978 for 2 years with a taxable stipend of about \$14,000 for the first year, plus traveling and dependent allowance. The fellowship is available to a candidate with less than 2 years of postdoctoral experience. Research interests of the department include molecular biology, differentiation, structure and function of membranes, fat and lipid metabolism, and molecular endocrinology. A list of staff members and their research interests will be sent on request. Applications, complete with curriculum vitae and the names of three references, must be received by 1 January 1978. Please address application or inquiries to:

**Dr. J. H. Dorrington
Banting and Best Department of Medical Research
University of Toronto
Toronto, Canada M5G 1L6**

FELLOWSHIPS. Applications are invited from recent Ph.D. graduates for fellowships in microbial genetics, ultrastructure, virology, immunology, and bacteriology. Details available from: **Dr. K. B. Easterbrook, Department of Microbiology, Dalhousie University, Halifax, Nova Scotia, Canada B3H 4H6.**

Two **POSTDOCTORAL FELLOWSHIPS** of 2 years duration available immediately for M.D. with an approved ophthalmology residency or Ph.D. with background in physiology, biophysics, or related area. Computer background is useful. Candidates must be permanent residents of the United States and be committed to a career in academic medicine or visual science research for at least 2 years after completion of training. Stipends range from \$10,000 to \$12,200 depending upon previous postdoctoral experience.

Research projects available under Dr. Albert M. Potts:

Research on (i) the optic nerve, (ii) ophthalmic toxicology, (iii) the VER, or (iv) experimental glaucoma surgery;

AND

Research projects available under Dr. Theodore Lawwill:

Research on (i) clinical ERG, VER; development of diagnostic techniques, (ii) retinal damages from light, or (iii) visual processing in the amblyopic eye.

Send résumé to:

**Diana Hammond
Academic Business Administrator
Department of Ophthalmology
301 East Walnut Street
Louisville, Kentucky 40202**

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

RESEARCH FELLOWSHIP

GASTROENTEROLOGY

Postdoctoral fellowship position in biological research requires training in immunology and/or biochemical pharmacology with an interest in applying these techniques in research on the gastrointestinal tract.

Résumés should be sent to: **Manager, Research Employment, Schering-Plough Corporation, 60 Orange Street, Bloomfield, New Jersey 07003.**

SCHERING-PLOUGH CORPORATION

WE ARE AN EQUAL OPPORTUNITY EMPLOYER M F

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

Immediate opening for Ph.D. or M.D. with strong background in immunology and electron microscopy to work on mechanisms of proteinuria in experimental renal diseases. Salary to \$11,000. Send curriculum vitae with three references to:

**Sterling K. Ainsworth, Ph.D.
Department of Pathology
Division of Immunopathology
Medical University of South Carolina
Charleston, South Carolina 29403**

POSTDOCTORAL FELLOWSHIP available immediately for 2-year program to study hemodynamic and biochemical changes in ischemic heart. Stipend: \$10,000 to \$13,000 depending on experience. Send curriculum vitae and three letters of recommendation to:

**Harold Feinberg, Ph.D.
Department of Pharmacology,
University of Illinois Medical Center
P.O. Box 6998
Chicago, Illinois 60680**

POSTDOCTORAL RESEARCH FELLOWSHIP IN BLOOD BANKING SCIENCES

One to 3-year medical school-affiliated program with opportunities for basic and applied research in transplantation immunology, immunoglobulin structure and function, physiology of blood platelets, blood coagulation, platelet and leukocyte transfusion, and other areas. Trainees will also gain experience in medical, technical, scientific, and administrative aspects of blood banking. A clinical experience in hematology/oncology can be arranged. Candidates should be M.D.'s with prior training in internal medicine or clinical pathology and, preferably, hematology. Positions available starting 1 January or 1 July 1978.

Send curriculum vitae, bibliography, and other information to:

**Richard H. Aster, M.D., President
Milwaukee Blood Center, Inc.
1701 West Wisconsin Avenue
Milwaukee, Wisconsin 53233**

POSTDOCTORAL FELLOWSHIPS IN CELLULAR AGING

Two postdoctoral positions of 2 to 3 years duration are available to study cellular aging. Appointees will participate in a National Institute of Aging Training Grant Program involving the development of in vitro model systems relevant to the study of aging. Emphasis of the training program is on the development and use of techniques for establishing cell or organotypic cultures that retain tissue-specific functions in vitro. These systems will be used to study various aspects of aging. Candidates must have a Ph.D. or M.D. degree in some area of the life sciences and have a demonstrable interest in aging research. Candidates must also be permanent residents of the United States and be committed to a career in aging research. Stipends range from \$10,000 to \$12,000 depending on previous postdoctoral experience.

Interested candidates should send curriculum vitae, names of references and specific areas of interest to: **Dr. James R. Smith, Associate Scientist, W. Alton Jones Cell Science Center, Old Barn Road, Lake Placid, New York 12946.**

An Equal Opportunity Employer

MARKET PLACE

FOR SALE: SEARLE 1185 AUTO GAMMA COUNTER: 300 sample system with teletype, dual channel, with 1-year warranty on parts and labor, for \$10,950. Telephone **Charles M. Coleman, Ph.D., at 412-561-7327**, or write c/o Coleman Laboratories, 958 Washington Road, Pittsburgh, Pa. 15228.

Book Publishing

Manuscripts invited for prompt review and terms of publication. All subjects. Professional editing, design, production and marketing since 1920. Send inquiry or manuscript, or call (215) 642-8303. Ask for free *Authors' Guide CD*. **DORRANCE & COMPANY**
35 Cricket Terrace, Ardmore, Pa. 19003

think...

what do you really know about the President's National Energy Plan?

The Proceedings of the Conference on National Energy Policy, sponsored by AAAS, Carnegie Institution of Washington and the MITRE Corporation, will help you understand the overall impact of the NEP on the economy, on conservation and on the environment. Find out what the country's leading independent experts in the field of energy policy, economics and technology really have to say about President Carter's National Energy Plan as it relates to

- the energy gap
- international implications
- governmental responsibility
- import limitation strategy

For your copy of

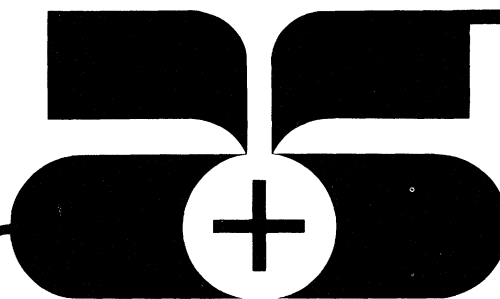
The Proceedings of the Conference on National Energy Policy

send your name and address plus \$6.00
(AAAS members \$5.40) to



AAAS Dept. N2
1515 Massachusetts Ave., NW
Washington, DC 20005.

ORDER YOUR COPY NOW!



New Neurochemical Tracers

The following are a few of the new radiochemicals available from Amersham:

(*phenyl*-4(n)-³H)SPIPERONE (SPIROPERIDOL)

20-30 Ci/mmol Code TRK.570

For alpha receptor studies. One of the most potent antipsychotics. Reported to be 10 times more potent than haloperidol in most pharmacological studies.

D-ALA²-[*tyrosyl*-3,5-³H] ENKEPHALIN - (5-L-METHIONINAMIDE)

15-30 Ci/mmol Code TRK.564

For opiate receptor studies. A synthetic enkephalin analog which binds as tightly as met-enkephalin but is less susceptible to degradation by brain enzymes. Causes long lasting morphine-like analgesia.

[G-³H]KAINIC ACID

2-10 Ci/mmol Code TRK.566

For glutamate receptor studies. An agonist to, and 1000 times more potent than glutamic acid.

Amersham

AMERSHAM CORPORATION:
A SUBSIDIARY OF THE RADIOCHEMICAL CENTRE

2636 S. Clearbrook Dr., Arlington Heights, IL 60005
312/593-6300 or 800/323-9750 (Toll free)

In Canada

505 Iroquois Shore Rd., Oakville, ONT L6H 2R3
416/842-2720 or 800/261-5061 (Toll free)

**If it takes high-speed movies to explain what's going on
talk to some of the following:**



Cordin
2230 South 3270 West
Salt Lake City, Utah 84119
(801) 972-5272/Telex 38-8395

Instrumentation Marketing
Corporation
820 South Mariposa Street
Burbank, Calif. 91506
(213) 849-6251/Telex 67-3205

LW International
6416 Variel Avenue
Woodland Hills, Calif. 91367
(213) 348-8614

Marco Scientific, Inc.
1031H E. Duane Avenue
Sunnyvale, Calif. 94086
(408) 739-9418/Telex 35-7454

Mitchell Camera Corporation
11630 Tuxford Street
Sun Valley, Calif. 91352
(213) 768-6400

Photo-Kinetics, Inc.
10 Commerce Street
Poughkeepsie, N.Y. 12603
(914) 473-3840

Photo-Sonics, Inc.
820 South Mariposa Street
Burbank, Calif. 91506
(213) 849-6251/Telex 67-3205

Redlake Corporation
1711 Dell Avenue
Campbell, Calif. 95008
(408) 866-1010/
TWX: 910-590-2594

Teledyne Camera Systems
131 North 5th Avenue
Arcadia, Calif. 91006
(213) 359-6691

Visual Data Systems
5617 West 63rd Place
Chicago, Ill. 60638
(312) 585-3060

Visual Instrumentation Corporation
903 North Victory Blvd.
Burbank, Calif. 91501
(213) 849-7333/Telex 68-6432

We can supply the right film.

