

INDUSTRIAL ENVIRONMENTAL TOXICOLOGIST

San Francisco Bay Area



Stanford Research Institute's Center for Occupational and Environmental Safety and Health is seeking an Industrial Environmental Toxicologist to participate in its activities in contract research and consulting research and consulting services for government and commercial clients.

Initial assignments will be associated with the Center's activities in the preparation of NIOSH criteria documents for recommended occupational health standards in SRI's Washington, D.C. office; and in support of a contract with the National Cancer Institute in Environmental Carcinogenesis in SRI's main office at Menlo Park, California. Successful applicants will have solid background in inhalation toxicology and the toxicological aspects of Industrial Hygiene.

Emphasis will be given in evaluating applicants for their ability to critically review the biomedical literature and develop statements to support proposed standards. Previous experience is desirable but can be substituted by unusually strong academic background.



Send resume in confidence to:

**STANFORD
RESEARCH
INSTITUTE**
Center for Occupational and
Environmental Safety and Health
333 Ravenswood Avenue
Menlo Park, CA 94025

SRI is an equal opportunity employer

Personnel Placement

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

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

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$110 per inch, minimum (1 inch is equivalent to 12 lines of 48 characters each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-1/2 weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

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

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

BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Biochemist, M.S., neurobiology minor, 6 years of pharmaceutical research including analytical and bioavailability. Seeks challenging research position. Box 447, SCIENCE. X

Biochemist, Ph.D., early 1974. Experienced in membranes, antigens, allergens, enzymes, general protein and glycoprotein chemistry; also radioimmunoassays (RAST). Presently acting research director in industrial allergy research. Publications, patents. Seeks responsible research position, west of Mississippi. Box 454, SCIENCE. 11/7, 14

Environmental Biologist, B.S. Three years of experience in pesticide regulatory affairs, including labeling and data review. Box 458, SCIENCE. X

Geneticist-Physician: Ph.D. Human genetics/cytogenetics, M.D. Board-eligible in pediatrics, 15 years of research and teaching, 5 recent years of clinical experience, publications. Available June 1976. Box 460, SCIENCE. X

Physical-Biochemist/Enzymologist, Ph.D. Five years of demonstrated effectiveness: ongoing productive research program; grants; graduate/undergraduate research sponsorship, course development, and teaching; administrative responsibilities; publications. Desires position in research/teaching. Prefers East Coast. Box 459, SCIENCE. X

Conscientious Research Assistant: B.A. chemistry. Seeks research or clinical position. Experience: 4 years virology research (in vivo and in vitro); 2 years mycology research (biochemical assays); 1 year clinical chemistry (hospital). S. Weiner, 1520 South Beverly Glen Boulevard, Apartment 2, Los Angeles, California 90024. 11/7, 14

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOCHEMISTRY. North Carolina State University is seeking a Ph.D. in biochemistry with at least 2 years of postdoctoral experience in cell surface biochemistry or nucleic acids. Send curriculum vitae to **Dr. Samuel B. Tove, Head, Biochemistry Department, North Carolina State University, Raleigh, North Carolina 27607.** Application deadline: 1 January 1976. *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

AQUATIC ECOLOGIST with 3 to 5 years of experience and proficient in aquatic ecosystem studies including knowledge of physicochemical interrelationships and their effects. Responsibilities: project design, implementation, analyses and preparation of environmental reports, impact statements, and development of siting reports. Advanced degree with demonstrated experience. Send résumé to **J. Nemeth, Law Engineering Testing Company, 2749 Delk Road, Marietta, Georgia 30062.** *An Equal Opportunity Employer.*

ASSISTANT PROFESSOR IN GEOPHYSICS

The University of Texas at Austin, Department of Geological Sciences, invites applications for this position, effective 1 September 1976. Requirements: Ph.D. in geophysics, electrical engineering, physics, or applied mathematics, with an interest and background in theory of applied geophysics.

Current geophysical faculty at Austin includes Milo M. Backus, Claude W. Horton, Sr., Wulf Massell, and Will Rust. Major thrust is exploration geophysics with emphasis on seismic reflection exploration. Facilities include a Phoenix seismic processing system, access to the University Computation Center (CDC 6600), an analog seismic field recording system, and a nearly complete earthquake seismic recording station. Research in solid earth geophysics is also conducted at the Galveston Marine Geophysics Laboratory, a cooperative program with the University of Texas-Austin. Major strength in tectonics, structural geology, and soft-rock geology in the department offers a unique environment to develop the union of principles of soft-rock geology and the theory of applied geophysics.

Résumés and inquiries should be sent to:

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

An Affirmative Action/Equal Opportunity Employer

ASSISTANT PROFESSOR OF PREVENTIVE MEDICINE AND INTERNAL MEDICINE

Academic career opportunity for assistant professor of preventive medicine and internal medicine. To participate in the activities of the Lipid Research Center which include clinical and laboratory research on the relationship between the disorders of lipid, lipoprotein, and carbohydrate metabolism and atherosclerosis. Individual research interests can be developed; collaborative clinical or "basic" research opportunities are also available. Requirements are an M.D. degree with training in internal medicine and some clinical or "basic" research experience. Interested candidates apply to:

Dr. Robert E. Shank, Chairman
Department of Preventive Medicine
Washington University School of Medicine
Box 8113, 4566 Scott Avenue
St. Louis, Missouri 63110

An Equal Opportunity Employer

HIGHWAY SAFETY RESEARCH INSTITUTE THE UNIVERSITY OF MICHIGAN

RESEARCH SCIENTIST—To direct the design and conduct the research programs related to the development and application of the scientific method to vehicle crash interpretation. Extensive experience with the direction of research projects in highway safety required. M.D. degree in mechanical or automotive engineering necessary. Ph.D. or equivalent combination of education and experience desired.

ASSOCIATE RESEARCH SCIENTIST—To design and manage the conduct of research programs in the area of accident data collection. Applicants should have experience in directing accident data collection and research analysis programs. Background in engineering and the social sciences. Ph.D. or equivalent combination of experience and education desired.

Salaries equivalent to assistant or associate professor, respectively, and based upon education and experience. Unusually attractive retirement and vacation benefits in a culturally oriented community.

Send résumé to:

The University of Michigan
Office of Professional and
Administrative Staff Services
1020 "C" LS & A Building
Ann Arbor, Michigan 48104

A Nondiscriminatory, Affirmative Action Employer

POSITIONS OPEN

ASSISTANT DEAN LIFE AND PHYSICAL SCIENCE WAYNE COUNTY COMMUNITY COLLEGE Detroit, Michigan

Responsible for operation and evaluation of the instructional program. Recruitment, selection, orientation, and evaluation of faculty members. Plans, assigns, and monitors textbook purchases. Initiates and supervises new courses within the curriculum. Monitors the annual subdivision budgets. Familiar with latest research techniques and teaching and evaluation methods. Three years' demonstrated postsecondary level executive and administrative ability. Master's degree, preferably with 30 semester hours beyond. Five years' successful teaching experience preferred. Position available 6 January 1976. Competitive salary with full benefits. Deadline for receiving application letters is 21 November 1975. Send letters and résumés to: **Personnel Director, Room 303, Wayne County Community College, 4612 Woodward, Detroit, Michigan 48201. An Equal Opportunity/Affirmative Action Employer (Male/Female).**

UNIVERSITY OF GUELPH

Applications are invited for an **Assistant or Associate Professor** in general microbiology. The successful applicant should have a Ph.D. degree, preferably with postdoctoral experience, and will be expected to teach at the undergraduate level, eventually in pathogenic and systematic microbiology. The applicant also will be expected to supervise graduate students, participate in graduate courses, and carry out individual research, preferably in the area of microbial diseases of fish or microbial genetics.

Appointment available in January 1976. Closing date for applications is 31 December 1975.

An application, including curriculum vitae and the names of three referees, should be submitted to **Dr. D. C. Jordan, Chairman, Department of Microbiology, College of Biological Science, University of Guelph, Guelph, Ontario, Canada N1G 2W1.**

STANFORD UNIVERSITY. The Human Biology Program and Department of Anthropology seek regular **Assistant Professor of Anthropology** to work in an area conjoining the social, biological, and medical sciences. The Human Biology Program is an interdepartmental undergraduate major comprising a broad life-sciences faculty; major themes include human evolution, patterns of adaptation at various levels of social organization, human development throughout the life cycle. Areas of interest include paleoanthropology, preliterate societies, evolution of cultures, social adaptations to stress, or medical anthropology. Preference will be given to persons with teaching and research experience. *Stanford is an Equal Opportunity Employer and adheres to Affirmative Action policies.* Send letter outlining qualifications and curriculum vitae (listing referees and papers), but do not send papers, to **Anthropology Search Committee, Human Biology, Building 80, Stanford University, Stanford, Calif. 94305.** Closing date for applications: 15 January.

BIOLOGIST, Assistant Professor, starting April or September 1976. Candidates will be sought whose primary interest lies in the molecular aspects of mycology and/or phylogeny and who would teach courses in introductory biology, microbiology, and their specialty area. The appointee will be expected to sustain an active research program in which undergraduates will become involved. Salary competitive. Send résumé, undergraduate and graduate transcripts, publications, and three letters of reference to: **Dr. N. C. Maravolo, Chairman, Department of Biology, Lawrence University, Appleton, Wisconsin 54911.**

Lawrence University is an Equal Opportunity/Affirmative Action Employer.

OREGON STATE UNIVERSITY

Applications are invited for **Chairperson** of the Department of Geology starting September 1976. Applicants should have demonstrated experience or potential in leadership and administrative responsibilities, a strong research background and teaching capabilities, and have the qualifications for rank of professor. Contact **Dr. Keith F. Oles, Department of Geology, Oregon State University, Corvallis, Oregon 97331.** Closing date: 2 January 1976. *Oregon State University is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR—BIOCHEMISTRY: Research and teaching, beginning February or September 1976. Postdoctoral experience and a research interest in membrane structure-function or macromolecular assembly desired. Principal teaching duties in biochemistry at the undergraduate and graduate (M.A.) level. Send curriculum vitae, publication list, names of three references, and a brief summary of research and teaching interests to: **Biochemistry Committee, Department of Chemistry, California State University, Fullerton, Calif. 92634. An Equal Opportunity/Affirmative Action Employer.**

GENETICS/PLANT PATHOLOGY ASSISTANT PROFESSOR

The Genetics and Plant Pathology Departments at University of California, Berkeley, seek to appoint a **Somatic Cell Plant Geneticist**, effective 1 February 1976. Training in genetics and molecular or cell biology is essential.

Responsibilities include undergraduate and graduate teaching, and a research commitment to plant somatic cell genetics (for example, selection of agronomically important mutants in haploids, host-pathogen/pest interactions, and so forth). A research program balanced between fundamental and applied problems in agriculture is desired. Send curriculum vitae, transcripts, reprints, brief statement of research plans and have three letters of reference sent to: **Michael Freeling, Co-Chairperson of the Search Committee, Genetics Department, University of California, Berkeley, California 94720.** Deadline for completed applications: 31 December 1975.

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

CARCINOGENESIS RESEARCH/MOLECULAR ASPECTS

Ph.D. having post-doctoral experience in nucleic acid chemistry or hydrocarbon chemistry to undertake studies on the interaction of aromatic carcinogens with nucleic acids. Qualified candidates should send resume with three references to: **Dr. Anthony Dipple, Manager, Molecular Aspects of Chemical Carcinogenesis, Litton Bionetics, Inc., FREDERICK CANCER RESEARCH CENTER P.O. Box B, Frederick, Md. 21701 an Equal Opportunity Employer M/F.**

POSITIONS OPEN

CHEMICAL CARCINOGENESIS

Expanding research center has additional positions available:

IMMUNOCHEMISTRY Experienced Ph.D. required to plan and direct studies concerned with the identification, isolation and characterization of carcinogens, their metabolites and the products of their reactions with macromolecules from urine, serum and other biological samples. Research experience in development of radioimmunoassays and familiarity with chemical isolation required. Opportunity to study the isolation and characterization of agents that interfere with carcinogenesis through their influence on the Immune System is also available.

MUTAGENESIS Applications are also invited from individuals desiring position at the doctoral level in a new program covering the relationship of mutagenesis to carcinogenesis. Preference will be given to candidates having background in chemical carcinogenesis.

Send resume's with three references to: **Dr. Roman J. Pienta, Acting Director of Science for Chemical Carcinogenesis, Litton Bionetics, Inc., FREDERICK CANCER RESEARCH CENTER P.O. Box B, Frederick, Maryland 21701 an Equal Opportunity Employer M/F**

VETERINARY PATHOLOGIST

DVM, Ph.D. or equivalent experience, Board certification desirable. Pathologic evaluation of rats and mice on long-term chemical carcinogenesis studies for neoplasia and lesions of chronic toxicity. Diagnostic support for the other research units and collaborative investigations. Opportunity for publication and individual research. Send resume to **Ronald L. Schueler, DVM, Ph.D., LITTON BIONETICS, INC., Frederick Cancer Research Center, P.O. Box B, Frederick, MD 21701**
AN EQUAL OPPORTUNITY EMPLOYER/M/F

UNIVERSIDAD AUTONOMA DE CIUDAD JUAREZ

INSTITUTO DE CIENCIAS BIOMEDICAS

ESCUELA DE MEDICINA

CD. JUAREZ, CHIHUAHUA, MEXICO



The Universidad Autonoma de Ciudad Juarez School of Medicine has established an additional route to the M.D. qualification whereby selected candidates who already hold a Ph.D. degree in biological, physical, or engineering science can enter an accelerated course of study. Social sciences may be considered provided there is a strong background in the physical, chemical, or biological sciences.

The Ph.D.-M.D. Program is now considering applications for the Second Class which will commence sessions on 3 September 1976. Successful students will complete the M.D., training within 22 months. Social service of 6 months will be required and will be devoted to teaching and clinical service.

LANGUAGE:

Spanish Language instruction will be given during the 15 May to 3 September 1976 time period for those students who are not proficient. Proficiency in Spanish must be achieved by 3 September 1976.

APPLICATIONS:

Inquiries for the Ph.D.-M.D. Program and requests for standard application forms should be addressed to:

C. C. Kanavy, Ph.D.
Chairman, Admissions Committee
Ph.D.-M.D. Program
Universidad Autonoma de Ciudad Juarez
Apartado Postal 231
Cd. Juarez, Chihuahua, MEXICO

The Admissions Committee will not accept applications postmarked after 15 January 1976 for the 1976 Program.

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS IN ANIMAL VIROLOGY, CELLULAR IMMUNOLOGY, PHYSIOLOGICAL ECOLOGY, AND DEVELOPMENTAL BIOLOGY

A rapidly growing, well-equipped modern department of biological sciences located in the hills outside Baltimore is seeking scientists with postdoctoral research experience who have demonstrated their ability to initiate vigorous research programs. Candidates must also have a commitment to quality graduate and undergraduate teaching. Appointments are contingent upon availability of state funds. Submit curriculum vitae, bibliography, names of suggested referees, and a description of research interests to: **Dr. Thomas F. Roth, Chairman, Search Committee, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF PATHOLOGY (IMMUNOPATHOLOGY)

An opening will be created for a Board-certified or Board-eligible **Veterinary Pathologist** whose primary interests and training are in the field of immunopathology. The successful candidate will be responsible for integrating immunopathologic concepts and techniques into the departmental teaching and research programs. Applicants must have a strong investigative interest and be capable of participating in collaborative multidisciplinary research projects.

Applicants should send curriculum vitae, personal bibliography, and references to **Dr. Robert W. Lewis, Chairman, Department of Pathology, New York State College of Veterinary Medicine, Cornell University, Ithaca, New York 14853.** *An Equal Opportunity Employer*

CHAIRPERSON, Department of Chemistry, Washington University. Washington University is a private university. The chemistry department presently has 52 undergraduate majors and 37 graduate students. Full-time chemistry staff includes 16 regular faculty members and a director of laboratories. Research areas represented are inorganic, organic, biological, nuclear, physical, and theoretical chemistry. There is a strong tradition of interaction with the Department of Physics and the Division of Biology. Candidates should be well qualified in research, administration, and teaching. Applicants are requested to send curriculum vitae and names of three references to: **Professor Richard Norberg, Chemistry Search Committee, Department of Physics, Washington University, St. Louis, Missouri 63130.** *The University is an Affirmative Action/Equal Opportunity Employer.*

DEAN GRADUATE SCHOOL TULANE UNIVERSITY

Applicants must be qualified to administer a quality graduate division and to develop plans for promoting and funding graduate research programs.

Interested candidates should respond by 15 November 1975 with a résumé and a list of references.

Nominations and applications should be sent to:

**Dr. Robert E. Preston
Chairman, Search Committee
Tulane University
Room 218, Gibson Hall
New Orleans, La. 70118**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

CHAIRMAN, Department of Food Science and Nutrition, University of Missouri-Columbia.

Qualifications: Ph.D. in food science or related field; excellence in scholarship, research, communications, organization, and administration; knowledge of Land Grant College system; understanding of food industry. Should qualify individual for rank of professor. **Apply: Dr. R. E. Baldwin, Chairman, Search Committee, University of Missouri-Columbia, Food Science and Nutrition, 219 Gwynn Hall, Columbia, Missouri 65201.** *Affirmative Action/Equal Opportunity Employer*

THE UNIVERSITY OF MANITOBA FACULTY OF DENTISTRY DEPARTMENT OF ORAL BIOLOGY

Applicants with interests in bacteriology, infectious diseases, and immunity are invited to apply for a new position in the department. The department has an M.Sc.-Ph.D. program and the successful candidate would be expected to participate in graduate courses, supervising graduate students and establishing his own research program. The department has extensive and well-equipped laboratories available. The applicant would be responsible for undergraduate teaching in bacteriology to dental students and hygienists. Applicants should hold a licensable dental degree and either a higher dental degree or a Ph.D. Applications giving qualifications and experience should be sent to **Dr. C. L. B. Lavelle, Department of Oral Biology, Faculty of Dentistry, The University of Manitoba, 780 Bannatyne Avenue, Winnipeg, Manitoba, Canada, R3E 0W3.** Rank and salary will be commensurate with qualifications and experience. Closing date: 1 December 1975.

DIRECTOR (Ecologist): High-level, research-oriented individual of executive and administrative competence to be responsible for planning, promotion, direction, and coordination of a multi-institutional, interdisciplinary scientific and educational program in environmental sciences in relation to Chesapeake Bay and related studies of estuarine and coastal zones. Temporary position with career possibility. Salary: \$30,000 plus per year. Send applications to **Smithsonian Institution, Office of Personnel Administration, Room 1471, 900 Jefferson Drive, SW, Washington, D.C. 20560.** *Equal Opportunity Employer.*

ELECTRON MICROSCOPIST AND ELECTRON MICROSCOPY TECHNICIAN

A multidisciplinary group investigating immunologic injury of a wide range of tissues (lung, kidney, tumors) requires ultrastructural support of the highest technical quality. One individual each is needed at the technical and professional levels. Demonstrated experience with scanning and freeze-fracture is desired, in addition to full range of techniques associated with TEM. Processing of large, plastic-embedded specimens with Sorvall JB-4 microtome will be emphasized. Respondents should be willing to interact closely with other members of research group. Please reply with full particulars including experience, salary expectations, curriculum vitae, publications, references, and date of availability to **Box 456, SCIENCE.**

Bennington College invites applications from broadly trained **BIOLOGISTS** with primary interests and competence within the areas of molecular biology, cellular physiology, organismic physiology. We seek excellence in teaching plus research interests. Send curriculum vitae, three letters of recommendation, and appropriate transcript to: **Stanley Cichanowski, Secretary, Science Division, Bennington College, Bennington, Vermont 05201.**

Bennington College is an Affirmative Action/Equal Opportunity Employer.

MISSISSIPPI STATE UNIVERSITY DEPARTMENT OF ENTOMOLOGY

Faculty Position: Assistant Professor, Department of Entomology, College of Agriculture, and Mississippi Agricultural and Forestry Experiment Station. Required: Ph.D. in entomology, demonstrated competence in research and teaching. Preference for research experience in field crop entomology. Qualified applicants should write to: **Professor C. A. Wilson, Acting Head, Department of Entomology, Mississippi State University, Drawer EM, Mississippi State, Miss. 39762.**

Mississippi State University is an Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION—CLINICAL INVESTIGATOR IN LIPIDS. The Department of Medicine at the University of Iowa College of Medicine has an opening in the field of lipid research for a Director of the Lipid-Atherosclerosis Section. Rank, salary, and research space in accord with training and experience. Lipid Research Clinic and Specialized Center of Research in Atherosclerosis supported by the National Heart and Lung Institute. Clinical Research Center and 1000-bed University Hospital. Full opportunity for participation in the programs of the Department of Medicine. Applicants should send curriculum vitae and bibliography to **John C. Hoak, M.D., Department of Medicine, University Hospitals, Iowa City, Iowa 52242.** *The University of Iowa is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION: The Department of Pathology invites applications for a Ph.D. biochemist at the instructor level. Candidates must have experience in the area of cell separation in an isokinetic gradient, use of insolubilized proteins, and purification of carcinoembryonic antigens. Salary range is \$11,000 to \$13,000. Closing date: 15 November 1975. Address inquiries to **Dr. T. G. Pretlow, Department of Pathology, University of Alabama in Birmingham, Box 189 University Station, Birmingham, Alabama 35294.** *Equal Opportunity Employer, Male/Female*

HEAD DEPARTMENT OF BIOCHEMISTRY

The University of Arizona, College of Medicine, invites nominations and applications for the position of head, Department of Biochemistry. We are seeking an experienced educator with a strong commitment to research to provide leadership for a vigorous program of teaching and research. All applications received before 15 November 1975 will receive full consideration. Qualified applicants should forward curriculum vitae, bibliography, and three names for reference to **Paul Johnson, Ph.D., Department of Physiology, University of Arizona, College of Medicine, Tucson, Arizona 85724.** *An Equal Opportunity/Affirmative Action Employer.*

MANAGER for international consulting project development.

Duties: To conceive, design, market, manage, and provide headquarters liaison for international consulting projects in mineral engineering, exploration and development, analytical research, land planning, project evaluation, and feasibility determination.

Area of work: Pacific Rim including Alaska, Canada, Australia, New Zealand, New Guinea, Malaysia, and Philippines.

Requirements: Field and management experience in at least two of the areas listed above, one of which must be Alaska. Mineral experience should include massive sulfides, uranium, porphyry coppers, industrial minerals, and precious metals including placer deposits. Training in analytical procedures as applied to geochemistry desirable. Experience should include cost estimating, program budgeting, and program sales development. Minimum education is bachelor of science in geology, geochemistry, geophysics, or mining engineering. Applicants must be willing to relocate to Fairbanks, Alaska. Job involves extensive unaccompanied international travel and work at isolated bush locations for 5 to 8 months at a stretch. Pilot license desirable but not essential. Northern winter field experience desirable. Must be willing to work in bush tent (?) camps during winter. Must be willing to work 7 days per week while in the bush. Pay commensurate with experience and ability.

Respond in confidence to **Personnel Manager, Box 80006, College, Alaska 99701.**

PHYCOLOGY

Applications are invited from individuals interested in a position as phycologist, starting September 1976. Level of appointment and salary are open. In addition to developing a strong teaching and research program in phycology, candidates should be willing and qualified to teach general botany and plant morphology at an upper division level. Applicants should send curriculum vitae, a statement of teaching and research qualifications, and names of three persons from whom letters of recommendation may be solicited, to **Professor T. Delevoryas, Department of Botany, University of Texas at Austin, Austin, Texas 78712.** Application deadline: 30 November 1975. *The University of Texas at Austin is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.*

Program Director for Diagnosis, Pretreatment Evaluation

Salary: \$29,818-\$36,000 (dependent on qualifications)

The National Cancer Institute, Division of Cancer Control and Rehabilitation, seeks a person with a medical degree and with experience in clinical oncology. Formal training or experience in epidemiology and contract and grant administration are desirable.

The selected candidate will be responsible for program planning and development, program management, scientific evaluation and assessment of activities sponsored by the Branch in the area of diagnosis and pretreatment evaluation of cancer. Serves as Project Officer for a number of projects within the area of diagnosis and pretreatment evaluation, and supervises other Project Officers.

This is an opportunity for a medical professional, specializing in clinical oncology to make a meaningful contribution to the National Cancer Program and, particularly the Division of Cancer Control and Rehabilitation.

Please send your resume no later than December 15, 1975 to:

Mrs. Ellen Dowd
Personnel Management Specialist, NCI
Building 31, Room 3A-25

NATIONAL INSTITUTES OF HEALTH
Public Health Service
Bethesda, Maryland 20014
(A suburb of Washington, D.C.)
An Equal Opportunity Employer

cardiovascular/ renal physiologist

Baxter Laboratories, a major health care innovator, is seeking a Research Physiologist to direct our research efforts in cardiovascular/renal physiology and the testing evaluation of dialysis devices/accessories. Specifically, you'll develop animal models and methodology for the study of renal functioning fluid electrolyte balance in body fluid compartments as related to uremia and kidney functions, and report on the safety and effectiveness of these devices and drugs.

Prefer a Ph.D. or equivalent in physiology or pharmacology presently engaged in cardiovascular/renal physiology. Familiarity with applied research in addition to basic research is desirable. We offer an excellent salary coupled with a full fringe benefit package. For a confidential interview, send a resume with salary history to:

Chris Palmer

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A subsidiary of
BAXTER LABORATORIES, INC.

6301 Lincoln Ave.
Morton Grove, Ill. 60053

An Equal Opportunity/Affirmative Action Employer

Senior Protozoologist

An opening for a Protozoologist-Microbiologist familiar with infectious protozoan blood parasites is available in the Merck Institute for Therapeutic Research at Rahway, New Jersey. A Ph.D. or D.V.M. with advanced research oriented study are required qualifications. Research experience with protozoan blood parasites in either laboratory or stock animals is useful. The work involves immunology and isolation, enumeration and taxonomic studies of these organisms.

The Merck Institute, is part of the Merck, Sharp & Dohme Research Laboratories which is recognized for excellence in bio-medical research throughout the world. This position provides fine suburban or rural living while accessible to New York with an excellent salary and benefit program.

Please submit resume including salary requirements to: William T. Jackson, Employment Supervisor.

MERCK & CO., INC.

Rahway, N.J. 07065
Equal Opportunity Employer M/F

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☐ \$25 USA ☐ \$31 Canada, PUAS ☐ \$32 Foreign
☐ \$55 Airlift to Europe, North Africa, Near East

☐ **Subscriber rates**

☐ \$50 USA ☐ \$57 Canada, PUAS ☐ \$58 Foreign
☐ \$80 Airlift to Europe, North Africa, Near East

☐ Payment enclosed ☐ Bill me later

Name Please print

Address

City State Zip

MT11

**ATTACH
LABEL
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POSITIONS OPEN

HUMAN CYTOGENETICS

Cytogeneticist to direct clinical and research program. M.D. or Ph.D., with appropriate experience, ability to initiate research and interest in teaching. Excellent opportunity with extensive clinical material and research relationships within Children's and other hospitals, and Medical School. Please send curriculum vitae, background experience, research interests, and names of three references to: **R. M. Bannerman, M.D., Director, Division of Human Genetics, Department of Pediatrics, State University of New York at Buffalo, Children's Hospital of Buffalo, 219 Bryant Street, Buffalo, N.Y. 14222.**

IMMUNOLOGIST—Position available for **Assistant Professor** with accomplishment in immunogenetics, cellular immunology, or immunobiology of tumor cells or cell membranes. Must be able to develop and maintain an independent research program of high quality, advise graduate students, and teach a graduate course in immunobiology. Send curriculum vitae to **Dr. J. Oliver Lampen, Director, Waksman Institute of Microbiology, Rutgers University, New Brunswick, New Jersey 08903. An Equal Opportunity Employer.**

MICROBIOLOGIST: Faculty appointment for microbiologist to teach and carry out research in the area of bacterial physiology and molecular genetics. The applicant must have demonstrated outstanding ability as an original and productive investigator. Faculty rank and salary dependent upon training and experience. Applicants should send curriculum vitae and names of three references to **Dr. Harold S. Ginsberg, Department of Microbiology, College of Physicians and Surgeons, Columbia University, 630 West 168 Street, New York, N.Y. 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.**

PLANT ECOLOGIST

The College of Biological Sciences, The Ohio State University, invites qualified applicants to apply for the following faculty position:

Assistant Professor of Botany with specialty in plant ecology. Candidates must hold the Ph.D., be interested in teaching at both the undergraduate and graduate level and developing a strong research program. Appointment will be for 9 months, beginning autumn quarter 1976. Salary range: \$13,248 to \$14,208. Candidates should submit a complete curriculum vitae including reprints of published papers and at least three letters of recommendation to **Dr. Thomas N. Taylor, Chairman, Department of Botany, College of Biological Sciences, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210. Deadline for receipt of all materials is 5 December 1975.**

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH POSITION OPEN IN MEMBRANE STRUCTURE AND FUNCTION

Ph.D. in biochemistry or biophysics with emphasis on membranes is required. The work involves the general area of the molecular mechanism of ion transport. The study is concerned with the relationship between the ion-carrier site and the hydrolytic site of membrane bound enzymes involved in active transport. Systems used are the Ca^{++} transport and Na^+ transport. Starting date, negotiable; duration, 2 to 3 years; salary, \$11,000 to \$13,000 per annum. Send résumé and names of two references to **Dr. Adil E. Shamoo, Department of Radiation Biology and Biophysics, University of Rochester School of Medicine and Dentistry, Rochester, N.Y. 14642.**

DISTINGUISHED PROFESSORSHIP. The School of Chemical Engineering at Cornell University is seeking nominations of candidates for its Herbert Fisk Johnson Professorship of Industrial Chemistry. Nominees are expected to present a record of outstanding research accomplishment; evidence of interest in innovative teaching in chemical engineering; and a Ph.D. in chemical engineering or chemistry. Candidates should have research interests in one or more aspects of applied chemistry and chemical engineering, including (but not limited to) surface chemistry, catalysis, and reaction kinetics. The committee welcomes candidates from industry or government laboratories, as well as from the academic community. An appointment to the professorship carries tenure, professional travel and support funds, and excellent fringe benefits. Please forward suggestions or résumés to **Professor Julian C. Smith, Director, School of Chemical Engineering, Cornell University, Ithaca, New York 14853.**

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POSITIONS OPEN

PLANT PHYSIOLOGIST/PATHOLOGIST

The Illinois Natural History Survey, Section of Botany and Plant Pathology, invites applications for the position of assistant or associate research scientist in the area of pollutants and their effects on plant growth. The position provides an excellent opportunity to develop an independent research program. Salary is competitive and commensurate with qualifications and experience. Candidates must have a Ph.D., a broad training in biology and biochemistry, and must demonstrate achievement in research. Applications received after 31 December 1975 are not assured consideration. Send curriculum vitae, bibliography, reprints, list of references, and a statement of specific interest to **Dr. Claus Grunwald, Head, Section of Botany and Plant Pathology, Illinois Natural History Survey, Urbana, Illinois 61801.**

POSTDOCTORAL POSITION, available immediately on lectins and on cell surface receptors of differentiating cells. Send résumé and three letters of recommendation to **Dr. Marilyn Etzler, Department of Biochemistry and Biophysics, University of California, Davis, California 95616.**

POSTDOCTORAL POSITION, available immediately. **Biochemist** with strong organic background and interest in toxicology of natural products—to study activation and covalent binding of toxin to host target cells. U.S. citizenship. \$10,000. Send résumé and references to:

**Dr. B. J. Wilson
Medical School
Vanderbilt University
Nashville, Tennessee 37232**

POSTDOCTORAL RESEARCH TRAINEESHIP IN DIGESTIVE DISEASES

Openings are available for research training in digestive diseases (NIH-supported). Applicants should have either an M.D. degree with appropriate postdoctoral clinical training or have a Ph.D. degree in basic science. Training period is for 1 to 3 years depending upon the needs of the applicant. Areas of training include characterization and regulation of intestinal digestive enzymes, study of gastrointestinal hormone receptors, hepatic lipid and lipoprotein metabolism, hormone radioimmunoassay, and controlled clinical trials in liver disease. Applicants should call or send curriculum vitae to **Gary M. Gray, M.D., Division of Gastroenterology, Stanford University School of Medicine, Stanford, California 94305. Telephone: 415-497-4588.**

PRE- AND POSTDOCTORAL TRAINEESHIPS in molecular and environmental toxicology. Trainee may select from programs in seven areas of biological sciences. Restricted to U.S. citizens or persons holding permanent visas. For further details contact **F. E. Guthrie, Department of Entomology, North Carolina State University, Raleigh, North Carolina 27607.**

POSITIONS FOR RESEARCH PHYSICIANS with training in nuclear medicine, endocrinology, or hematology, at Donner Laboratory, Lawrence Berkeley Laboratory, University of California. California medical license needed. Clinical responsibility and medical school or hospital affiliations optional. Send résumé to **James L. Born, M.D., or Thomas F. Budinger, M.D., Ph.D., 467 Donner Laboratory, Lawrence Berkeley Laboratory, University of California, Berkeley, California 94720. An Equal Opportunity Employer.**

An opening is available for one seeking a challenging position in the field of **TOXICOLOGY**. Our expanding research facility in New City, New York, requires a doctorate-level individual with administrative as well as scientific skills. Applicant must be a recognized authority in at least one specialized area of toxicology and have a minimum of 2 years of experience in a commercial laboratory. Submit résumé to **Manager of Industrial Relations, Huntingdon Research Center, Box 527, Brooklandville, Maryland 21022.**

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POSITIONS OPEN

RESEARCH ASSOCIATE, Ph.D. PHYSICAL OCEANOGRAPHER

Opening available immediately for a Ph.D. oceanographer with experience in numerical modeling. Emphasis on modeling of the continental margins of the ocean. Send curriculum vitae, bibliography, and four letters of recommendation to **Dr. Lawrence Larsen, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195, by 1 December 1975. The University is an Equal Opportunity/Affirmative Action Employer.**

RESEARCH PHYSIOLOGIST PHYSIOLOGY AND BIOPHYSICS

Position available 1 December for fundamental studies of the mechanical properties of arterial resistance vessels and their relationship to hypertension. Expertise in following areas desirable: muscle physiology, vascular system, physical sciences, application of advanced electronic instrumentation, and use of computers. Send résumé to **Box 24B, Waterman Building, University of Vermont, Burlington, Vermont 05401.**

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Needed: **TECHNOLOGISTS** or **TECHNICIANS** in these specialties: Analytical methodology in all branches of chemistry, biological and medical sciences, tissue culture, spectroscopy, chromatography, electron microscopy, radioactive isotopes, computer sciences, water sciences, atmospheric sciences, and ecology. Proof of training in the sciences, for example, associate or bachelor of science degrees or equivalent, are required. Work conditions are congenial and salaries are competitive in an attractive Arab Middle Eastern city on the Mediterranean. For practical purposes, Arabic-speaking applicants are preferred; but all will be considered for the large number of available positions. Send applications with three names of references to: **Director General, Arab Development Institute, P.O. Box 8004, Tripoli, Libyan Arab Republic; or Technical Counselor for Scientific Research, Embassy of the Libyan Arab Republic, Suite 605, 1717 Massachusetts Avenue, NW, Washington, D.C. 20036.**

PROGRAMS

DOCTORAL PROGRAM—PHARMACOLOGY. Medical University of South Carolina, Department of Pharmacology, seeks candidates for Ph.D. program. Interdisciplinary environment with capabilities ranging from GC-MS through cell cultures and animal studies to clinical studies of patients. Research training available in biochemical, cardiovascular, and clinical pharmacology, drug metabolism, toxicology, and analytical chemistry. Stipends available: \$3900 per year. Contact: **Department of Pharmacology, Medical University of South Carolina, Charleston, S.C. 29401.**

FELLOWSHIPS

AN NRSA POSTDOCTORAL TRAINING PROGRAM IN DIABETES AND ENDOCRINOLOGY at the University of Iowa offers research training in the following areas: (i) mechanisms of hormone action, (ii) experimental and clinical diabetes, (iii) hormonal regulation of cell replication, (iv) reproductive endocrinology, and (v) epidemiology of breast cancer.

One fellowship is available beginning 1 July 1976 and three are available beginning 1 July 1977. Candidates who hold an M.D. or a Ph.D. degree and who are U.S. citizens or permanent residents should address inquiries (preferably with curriculum vitae) to **Dr. Dar-yl Granner, Department of Internal Medicine, University of Iowa, Iowa City, Iowa 52242. We are an Equal Opportunity/Affirmative Action Employer.**

REPRODUCTIVE ENDOCRINOLOGY PROGRAM, PREDOCTORAL AND POSTDOCTORAL FELLOWSHIPS

Training can be obtained in association with faculty in anatomy, biochemistry, cell and molecular biology, obstetrics and gynecology, pathology, pediatrics, physiology, and zoology. Applications and other information may be obtained from **Dr. J. S. Richards, Program Coordinator, Reproductive Endocrinology Program, The University of Michigan, Ann Arbor, Michigan 48104.**

An Equal Opportunity/Affirmative Action Employer

Senior Microbiologist

The Merck Institute for Therapeutic Research has an opening for a Microbiologist to conduct basic research in chronic respiratory diseases. Experience with respiratory infections of laboratory or stock animals would be useful.

The successful candidate should have a Ph.D.; or a D.V.M. with added graduate research work. The work involves immunology and isolation, enumeration, and classification of infectious microorganisms.

The Merck Institute is part of the Merck, Sharp & Dohme Research Laboratories which is recognized for excellence in biomedical research throughout the world. This Rahway, New Jersey, based position provides fine suburban or rural living while accessible to New York with an excellent salary and benefit program.

Please submit résumé, including salary requirements, to: William T. Jackson, Employment Supervisor.

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POSTDOCTORAL RESEARCH

The National Research Council announces the Research Associateship Programs for 1976. The programs provide scientists and engineers opportunities for postdoctoral research on problems in the fields of CHEMISTRY - SPACE SCIENCES - PHYSICS - ATMOSPHERIC & EARTH SCIENCES - ENGINEERING - LIFE SCIENCES - MATHEMATICS and ENVIRONMENTAL SCIENCES.

Appointments are made on a competitive basis, and are tenable in selected federal research laboratories at more than 80 locations.

Appointments are open to recent recipients of the doctorate and in some cases to senior investigators. Some are open to non-U.S. citizens also.

Approximately 250 awards will be made in 1976. Stipends (subject to income tax) will range from \$15,000 upwards. Grants will be provided for family relocation and for professional travel during tenure.

Applications must be postmarked by January 15, 1976. Awards will be announced in April.

Information on specific research opportunities and application materials are available from:

Associateship Office JH606S

NATIONAL RESEARCH COUNCIL
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Marine Geologist / Geophysicist

GS-14 or GS-13

GS-14 Salary Range: \$25,581-\$33,258

GS-13 Salary Range: \$21,816-\$28,359

OCEAN SCIENCE & TECHNOLOGY DIVISION OFFICE OF NAVAL RESEARCH

Duty station may be either in Washington, D.C. or in Bay St. Louis, Mississippi. Applicants should indicate their willingness to work at either location, or should state that they wish to be considered only for Washington, D.C. or only for Bay St. Louis, Mississippi.

Marine Geologist/Geophysicist:

Plans, organizes, directs and carries through to completion broad research and development projects in Marine Geology and Geophysics. Projects are sufficiently complex to require division into numerous individual tasks, most of which are carried out through research contracts with academic institutions. Works with other components of the Navy and other federal agencies; serves as consultant to other ONR offices and Navy commands concerning immediate and long range problems. Advanced education and experience in Marine Geology and Geophysics are required, and preferably will have included experience as Chief Scientist on numerous research

cruises as well as the direction and administration of a multi-faceted research program.

Chemical Oceanographer:

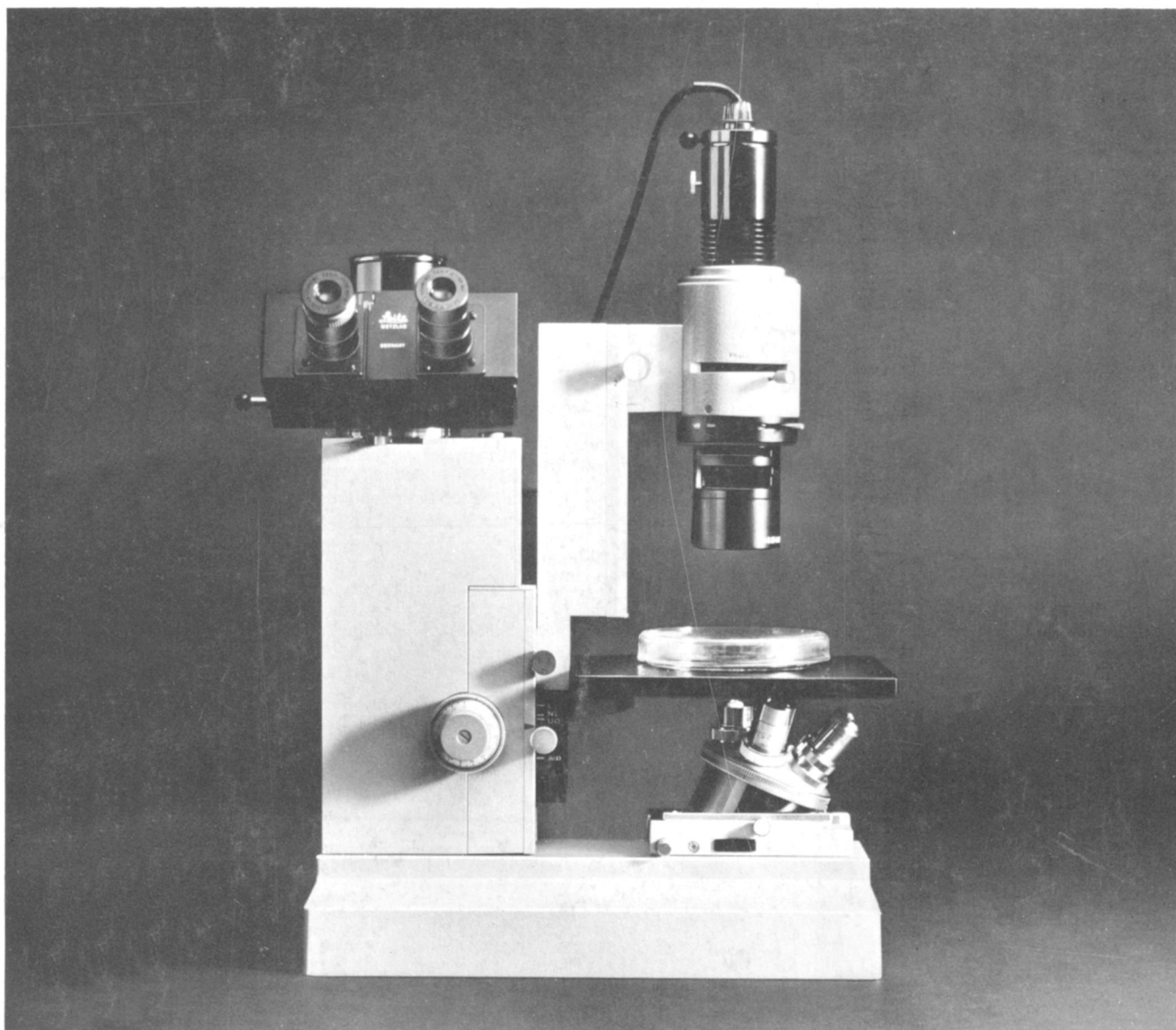
Duties, responsibilities and qualifications are essentially similar to the above position, but the appointee will manage the Chemical Oceanography program.

Interested candidates should submit personal qualifications statement, SF-171 or detailed resume including publications and references by 15 December 1975 to:

Civilian Personnel Office
(Code 1811)

Naval Research Laboratory
4555 Overlook Avenue, S.W.
Washington, D.C. 20375

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