

ception Technique in Clinical Use. Leopold Bel-lak. Grune and Stratton, New York, ed. 3, 1975. xvi, 320 pp., illus. \$13.50.

The Theory of Rotating Diatomic Molecules. Masataka Mizushima. Wiley-Interscience, New York, 1975. xvi, 544 pp., illus. \$32.50.

Three Views of Man. Perspectives from Sig-mund Freud, B. F. Skinner, and Carl Rogers. Robert D. Nye. Brooks/Cole, Monterey, Calif., 1975. viii, 152 pp., illus. Paper, \$3.95.

Toward the Future Forest. Applying Physi-ology and Genetics to the Domestication of Trees. J. H. Rediske, F. Thomas Ledig, Peter S. Carlson, Thomas B. Rice, and Richard P. Pharis. F. Thomas Ledig, Ed. Yale University School of Forestry and Environmental Studies, New Haven, Conn., 1974. iv, 80 pp., illus. Paper, \$3. 1973-74 Champion International Corpora-tion Lecture Series. Yale University School of Forestry and Environmental Studies Bulletin No. 85.

Towards a Plan of Actions for Mankind. Problems and Perspectives. M. Marois, Ed. North-Holland, Amsterdam, and Elsevier, New York, 1974. xii, 558 pp., illus. \$66.75.

Tracer Methods in Hormone Research. E. Gurpide. Springer-Verlag, New York, 1975. xii, 190 pp. \$31. Monographs on Endocrinology, vol. 8.

Traverse in Late Cambrian Strata from the St. Francois Mountains, Missouri, to Delaware County, Oklahoma. Vincent E. Kurtz, Joseph L. Thacker, Kenneth H. Anderson, and Paul E. Gerdemann. Missouri Department of Natural Resources Geological Survey, Rolla, 1975. vi, 112 pp. + loose chart. Paper, \$1.50. Report of Investigations No. 55.

Treatise on Materials Science and Tech-nology. Herbert Herman, Ed. Vol. 7, Micro-structures of Irradiated Materials. H. S. Rosen-baum. Academic Press, New York, 1975. xiv, 174 pp., illus. \$19.50.

Triplet States I. Springer-Verlag, New York, 1975. iv, 164 pp., illus. \$29.30. Topics in Current Chemistry, 54.

The Vampire Bat. A Field Study in Behavior and Ecology. Dennis C. Turner. Johns Hopkins University Press, Baltimore, 1975. xii, 146 pp., illus. \$12.

The Vanishing Lichens. Their History, Biol-ogy and Importance. D. H. S. Richardson. Haf-ner (Macmillan), New York, 1975. 232 pp., illus. \$12.

Vibrational Spectra and Structure. A Series of Advances. Vol. 3. James R. Durig, Ed. Dekker, New York, 1975. xii, 328 pp. \$29.75.

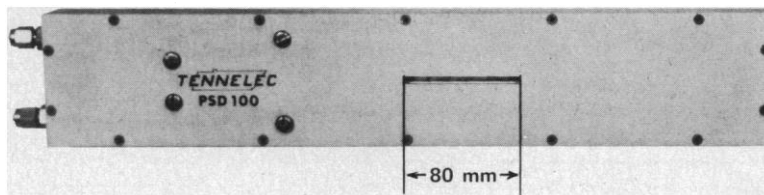
Water and Waste-Water Technology. Mark J. Hammer. Wiley, New York, 1975. x, 502 pp., illus. \$14.95.

Who Protects the Ocean? Environment and the Development of the Law of the Sea. John Lawrence Hargrove, Ed. Published under the auspices of the American Society of Inter-national Law by West Publishing Co., St. Paul, Minn., 1975. xiv, 250 pp. \$14.

World Energy Strategies. Facts, Issues, and Options. Amory B. Lovins. Friends of the Earth International, San Francisco, and Ballinger, Cambridge, Mass., 1975. xvi, 132 pp. Cloth, \$10.95; paper, \$4.95.

World Food Problems and Prospects. D. Gale Johnson. American Enterprise Institute for Public Policy Research, Washington, D.C., 1975. vi, 84 pp. Paper, \$3. AEI Foreign Affairs Studies.

World Resource Management. Key to Civ-ilizations and Social Achievement. J. Edwin Becht and L. D. Belzung. Prentice-Hall, Engle-wood Cliffs, N.J., 1975. xii, 330 pp., illus. + in-dex. \$11.95.



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Personnel Placement

POSITIONS WANTED

Embryologist with large teaching and research experience (numerous publications on developmental genetics of *Xenopus*) seeks academic position. Languages: German, English, French. Box 427, SCIENCE. 10/17, 24, 31

Generalist interested in contract supervision, technology assessment, library research, legislative staff, or other scientific-administrative work. Two postdoctoral academic positions and one industrial since Ph.D. in experimental physics, 1971. Box 428, SCIENCE. X

Human Geneticist, Ph.D. Cytogenetics/statistical genetics/radiation genetics/biostatistics. Postdoctoral experience. Publications. Experience includes graduate teaching, genetic counseling, statistical design and analysis. Seeks academic position with teaching and research responsibilities or industrial position with challenging biomedical research goals. Box 429, SCIENCE. X

Invertebrate Zoologist, Ph.D., seeks teaching and/or research position to pursue interests on terrestrial invertebrates. Special interest, phylogeny and distribution of nearctic diplopods. Experienced taxonomist. Publications with several aquatic and terrestrial invertebrate groups. Box 424, SCIENCE. 10/17, 24

Molecular Biologist/Biochemist, Ph.D. 1969. Two years of postdoctoral, 4 years of teaching experience, 1 year of research leave in Europe. Regulation of metabolism, macromolecular synthesis and gene expression in microorganisms, nucleic acid purification and analysis, RNA polymerase, modeling of cell dynamics. Publications, fellowships, grants. Seeks university research/teaching position. Box 430, SCIENCE. X

Parasitologist-Microbiologist: Ph.D. 1973 (cell biology); M.S. (parasitology). Experience: in vitro culture of parasites; parasite nutrition; bacterial culture collection curator; transport mechanisms; radio- and bioassay; teaching; postdoctoral; publications. Desires teaching-research position. Available shortly. Box 42, Department of Biology, University of Notre Dame, Notre Dame, Indiana 46556. X

Science/Medical Writer, Ph.D., best possible qualifications. Clippings and résumé to prove it. Box 431, SCIENCE. 10/17, 24

Veterinarian/Endocrinologist. B.V.Sc. 1959, Ph.D. 1968, E.C.F.V.G. 1969. Candidate for U.S. citizenship. Postdoctoral research and experience in thyroid, radioimmunoassay of sex steroids, and receptor assay in breast tumors. Interest in DES radioimmunoassay, tissue culture, and tumor immunology. Seeks a research position with teaching or support of a clinical endocrine laboratory. Will consider laboratory animal medicine/experimental surgery. Box 432, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR—CELL BIOLOGY/DEVELOPMENTAL BIOLOGY. The Department of Anatomy at Stanford University School of Medicine is seeking applicants for a position available in September 1976. Candidates should have excellent training in cell biology and/or developmental biology and a strong commitment to develop research programs in these areas. Postdoctoral training is highly desirable. Candidates will be expected to teach in histology/cell biology course for medical and graduate students. In the fall of 1976, the Department of Anatomy will be relocated in the Sherman Fairchild Center, now under construction. Well-equipped research laboratories and facilities will be available. Interested candidates should forward a curriculum vitae, list of references, recent research publications, and a brief (less than 500 words) summary of prospective research program to: L. H. Mathers, Jr., Ph.D., Department of Anatomy, Stanford University, Stanford, Calif. 94305. *Stanford is an Equal Opportunity Employer and welcomes nominations of women and minority group members and applications from them.*

POSITIONS OPEN

Assistant Professor of Chemistry. A physical chemist with the Ph.D. degree is being sought for an appointment starting September 1976. Responsibilities will include undergraduate teaching in physical chemistry and general chemistry. Research interests of an experimental nature which can involve undergraduates will be of particular value. Send a résumé to: S. S. Butcher, Chairman, Department of Chemistry, Bowdoin College, Brunswick, Maine 04011, before 15 December 1975. *An Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR—HUMAN GENETICS

Applications are invited from individuals with Ph.D. and/or M.D. degree in the Department of Human Genetics, University of Michigan Medical School. Applicants should have demonstrated research and teaching abilities in protein chemistry, enzyme kinetics, biochemical genetics of protein, and mutational aspects of eukaryotes, with particular reference to man. Send résumé to Box 433, SCIENCE. Code #300FO.

A Nondiscriminatory, Affirmative Action Employer

UNIVERSITY OF MICHIGAN DEPARTMENT OF SURGERY ASSISTANT PROFESSOR

Board-eligible in plastic surgery, with additional training in surgery research. To participate in patient care and the training of plastic surgery residents. Should be able to establish an independent research effort and compete for extramural research funds. Code #100FO. Send résumé to Box 434, SCIENCE.

A Nondiscriminatory, Affirmative Action Employer

ASSOCIATE SPECIALIST (Ph.D./equivalent) \$15,000 to \$17,000. Duties to be performed for the Chemistry Section of Clinical Laboratories under the direction of the Chief of Chemistry. Duties: seek out and recommend new methods as needed, direct development of basic research into more sophisticated methodologies, act as adviser to medical staff relative to chemistry procedures, consult with technical staff, co-direct a program of quality control and expanded developmental section to service-oriented procedure in high-pressure liquid chromatography, gas-liquid chromatography, and so forth. Administrative duties: assist with budget preparation, long-range planning; anticipate lab equipment needs, advise on purchase of same, and participate in policy-making for chemistry section. Send curriculum vitae and three letters of recommendation to Dr. Laurence J. Marton, Department of Laboratory Medicine, University of California, 1378 Third Avenue, San Francisco, Calif. 94143.

An Equal Opportunity/Affirmative Action Employer

Air Pollution Chemist or Physicist

Experienced in gases and/or particulate air pollution sampling and measurement to search technical literature and prepare evaluations of instrumentation methods for ongoing survey of measurement technology. Strong communications skills necessary. Combination of experience and education equivalent to Ph.D. preferred. Please send résumé to:

Dorita Crosby
Personnel Department
Lawrence Berkeley
Laboratory
Berkeley, Calif. 94720

An equal opportunity employer

POSITIONS OPEN

ASSOCIATE CHIEF OF STAFF FOR RESEARCH—TUCSON VA HOSPITAL. This position has become available. Candidates must be physicians with a strong research record and capable of qualifying for appropriate faculty rank in the affiliated University of Arizona College of Medicine. Incumbent administers research programs of 35 investigators with total annual funding of more than \$600,000. Apply to Henry A. Perlmutter, M.D., Chief of Staff, VA Hospital, Tucson, Ariz. 85723. *Tucson VA Hospital is an Equal Opportunity Employer.*

FULL OR ASSOCIATE PROFESSOR, DEVELOPMENTAL PSYCHOLOGY. The Institute of Child Development of the University of Minnesota has an opening for a senior appointment beginning September 1976. Preference will be given for specialization in the area of cognitive development, broadly interpreted. Interested persons should send copies of their curriculum vitae to Professor Herbert L. Pick, Jr., Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455. Deadline for receipt of materials is 1 December 1975. *The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.*

ASSOCIATE PROJECT DIRECTOR

Immediate opening for a recent Ph.D. in the systems approach or its application to the fields of environmental economics, environmental studies, energy alternatives, or combination. The University seeks an energetic, creative individual to serve initial 15 months as administrator for a large O.E. contract to design a national model for environmental education. Administrative potential required for subsequent activities. Capability for mounting research programs and strong desire for implementing significant societal changes is desired. Familiarity with computerized information systems desirable. Excellent potential for advancement to a responsible policy-making position early in career. Application deadline: 1 November. Send statement of interest, curriculum vitae, and letters of reference to: Dr. L. R. Troncale, Institute for Advanced Systems Studies, California State Polytechnic University, 3801 W. Temple Avenue, Pomona, Calif. 91768.

An Equal Opportunity/Affirmative Action Employer

BIOCHEMIST for a joint position with the School of Medicine and the Department of Chemistry and Biochemistry at Southern Illinois University at Carbondale. Preference will be given to those whose research interests complement those of present faculty, such as developmental biochemistry, neurochemistry, and immunochemistry.

Submit curriculum vitae and three letters of recommendation to:

Dr. James N. BeMiller
Department of Chemistry and Biochemistry
Southern Illinois University
Carbondale, Ill. 62901

An Equal Opportunity/Affirmative Action Employer

SOUTHERN ILLINOIS UNIVERSITY SCHOOL OF MEDICINE is seeking enthusiastic and creative faculty to teach first-year medical students in an integrated organ-system-oriented, self-instructional curriculum. Research and graduate teaching are also expected. A complicated doctorate is required, and postdoctoral training is desirable. Strong preference will be given to individuals having prior experience (as students or faculty) with medical education. Rank is generally open, dependent upon experience.

Applications should be submitted before 15 November 1975:

(i) **PHARMACOLOGIST**. Interest in pharmacokinetics, transport, drug metabolism; cardiovascular, renal, or autonomic pharmacology preferred.

(ii) **GROSS ANATOMIST**. Individual should have secondary competency in histology and/or embryology.

(iii) **MEDICAL MICROBIOLOGIST**. Specialization or advanced training in pathological bacteriology and general medical microbiology. Clinical experience helpful, but not necessary.

Submit curriculum vitae and three letters of recommendation to:

Dr. Robert P. Lehr, Jr.
Assistant Dean for Faculty
Box 4, School of Medicine
Southern Illinois University
Carbondale, Ill. 62901

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

BIOCHEMIST

Experienced with peptides, enzymes and separation techniques. Experience with I-125 desirable. University-affiliated position, southern California location. Send résumé to

Box 435 SCIENCE

SYNTHETIC ORGANIC CHEMIST

Preferably a Ph.D. University-affiliated position, southern California location. Send résumé to

Box 436, SCIENCE

BIOLOGISTS UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

The Department of Biology, University of North Carolina at Charlotte, is seeking applications from qualified persons for the 1976-77 academic year*, in the following areas:

Botany. Ph.D., assistant professor. Teaching duties: introductory botany, horticulture; manage greenhouse and natural area.

Medical Microbiology. Ph.D., assistant professor. Teaching duties: bacteriology, pathogenic microbiology, immunology.

Plant Physiology. Ph.D., assistant professor. Teaching duties: introductory botany, plant physiology, morphogenesis.

Electron Microscope Technician. Background preferred: master's; experience in use and maintenance of transmission EM.

The Department of Biology has just occupied new and modern quarters. Individuals are desired with interest in teaching and research, and in developing own specialty areas in undergraduate program and a growing master's program.

Send résumé by 30 October to: Dr. M. Dale Arvey, Chairman, Department of Biology, The University of North Carolina at Charlotte, UNCC Station, Charlotte, N.C. 28223. *An Equal Opportunity/Affirmative Action Employer.*

*Medical microbiology position—spring 1976.

BIOPHYSICIST—Applications are invited for an established biophysicist to join the faculty of the Department of Physiology and Biophysics. Duties include teaching at the professional school, graduate and post-graduate levels, in the areas of mathematical modeling and the physical studies of macromolecular structures at the molecular and cellular levels and their correlation with biological functions in proliferating mammalian systems. The successful applicant will be required to show a proven scientific record in these areas and to demonstrate a high potential for future productivity. Interested applicants should send a letter of application, curriculum vitae, and three letters of recommendation to Dr. Mark F. Tansy, Chairman, Department of Physiology and Biophysics, Temple University Health Sciences Center, 3223 North Broad Street, Philadelphia, Pa. 19140. *An Equal Opportunity, Affirmative Action Employer.*

CELL BIOLOGY/PHYSIOLOGY

The Department of Zoology, Clemson University, has an opening at the assistant or associate professor level beginning 15 August 1976. Send letter of application, curriculum vitae, transcripts, and at least three letters of recommendation to Dr. Carl W. Helms, Head, Department of Zoology, Clemson University, Clemson, S.C. 29631, by 1 January 1976. *Clemson University is an Equal Opportunity/Affirmative Action Employer.*

ECOLOGY

The Department of Zoology, Clemson University, has two openings at the assistant or associate professor level beginning 15 August 1976. One position is for field-oriented terrestrial/aquatic ecology and the other is for theoretical/experimental/mathematical ecology. Send letter of application, curriculum vitae, transcripts, and at least three letters of recommendation to Dr. Carl W. Helms, Head, Department of Zoology, Clemson University, Clemson, S.C. 29631, before 1 January 1976. *Clemson University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOLOGICAL OCEANOGRAPHER

Appointment available at Rosenstiel School of Marine and Atmospheric Science, University of Miami, for an aquatic ecologist with some experience in quantitative population or community ecology with particular interest in food chain dynamics and community structure in offshore tropical waters. Responsibilities will include teaching and research both independently and in cooperation with other faculty members. Level of appointment to be assistant or associate professor, commensurate with qualifications. Applications and curriculum vitae should be submitted to

Chairman—Ecologist Search Committee
Division of Biology and Living Resources
Rosenstiel School of Marine and Atmospheric Science
University of Miami
4600 Rickenbacker Causeway
Miami, Florida 33149

BIOPSYCHOLOGIST. Anticipate appointment, September 1976. Rank, salary open. Preference human behavior genetics or neurochemistry/psychopharmacology. Other areas considered. Research-oriented undergraduate and graduate department. Submit résumé to: Biopsychology Search Committee, Department of Psychology, State University of New York at Binghamton, Binghamton, New York 13901. *An Equal Opportunity/Affirmative Action Employer*

CARDIOVASCULAR POSTDOCTORAL

Immediate openings in a research training program directed by Dr. James Scheuer and Dr. Edmund Sonnenblick. Areas include: biochemistry, electrophysiology and mechanics of cardiac muscle; coronary circulation; hemodynamics; capillary exchange; and cardiovascular regulation. Contact: Dr. James Scheuer, Division of Cardiology, Albert Einstein College of Medicine, 1300 Morris Park Ave., Bronx, N.Y. 10461.

UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE

Position available at Peoria School of Medicine

Senior Administrative Officer
(Chairperson/Head)
Department of Pediatrics

Duties include: development of programs in undergraduate, graduate, and continuing education in pediatrics; the integration of teaching, research, and service in the programs of the department; the coordination of the educational and research activities of the School and its affiliated institutions; the recruitment of faculty to meet the needs of the department; support for the creative activities of the faculty of the department.

Requirements include: experience in medical education and research; interest in clinical pediatrics and/or recognized subspecialty; competence in administration.

Salary and academic rank: commensurate with education and experience.

Appointment date: position vacant; final date for submitting applications, 1 January 1976.

Reply to: Dr. Marcia A. Miller, Chairperson, Pediatrics Search Committee, Peoria School of Medicine, 1400 West Main Street, Peoria, Illinois 61606.

The University of Illinois is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.

CHAIRPERSON—BIOCHEMISTRY

Opening July 1976 to head department of eight faculty members, responsibilities in teaching medical courses as well as service courses in allied health sciences departments. Requirements: Ph.D. or M.D., administrative ability, dedication to excellence in teaching and continuing research, and strong publication record. Send résumé to Box 24F, Waterman Building, University of Vermont, Burlington, Vermont 05401. *An Affirmative Action Employer*

CURATOR OF ORNITHOLOGY

The Natural History Museum of Los Angeles County seeks a Curator of Ornithology specializing in bird systematics and having a thorough knowledge of evolutionary biology. Will curate collections and plan exhibits. Requires experience in research, fieldwork, and publications; Ph.D. and 1 year of museum experience or equivalent. Salary \$17,719 with advances to \$22,070. Submit applications by 9 January 1976 to Charles L. Hogue, Chairman, Search Committee, Natural History Museum of Los Angeles County, 900 Exposition Boulevard, Los Angeles, Calif. 90007. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

The Department of Physiology in the College of Medicine, University of California, Irvine, is recruiting for an ASSOCIATE PROFESSOR.

Candidates should have proven teaching ability of high quality, including the capability of presenting cardiovascular physiology to medical students, evidence of having made significant contributions to the biophysics of muscle function, and proven ability to conduct and direct independent research.

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, Chairman, Department of Physiology, University of California, Irvine, California 92664. Either M.D. or Ph.D. required.

SENIOR HARVARD CHAIR in the School of Public Health, the Richard Saltonstall Professor of Population Policy, is to be filled by a scholar specializing in population. *Harvard is an Equal Opportunity Employer.* To be considered please write Dr. Howard H. Hiatt, Dean, Harvard School of Public Health, 677 Huntington Avenue, Boston, Mass. 02115.

CHAIRPERSON, DEPARTMENT OF PHARMACY PRACTICE

The College of Pharmacy of the University of Illinois at the Medical Center is seeking applicants for the position of Chairperson of the newly formed Department of Pharmacy Practice. This department coordinates teaching, research, and service activities in the areas of administrative sciences, social and behavioral sciences, clinical pharmacy, and continuing education in pharmacy. Responsibilities of the departmental chairperson will center on administrative leadership in the management of personnel, fiscal resources, and departmental programs. Minimum requirements of person sought for this position include (i) a sound understanding of the disciplines of pharmacy administration and clinical pharmacy, (ii) a professional and/or earned doctoral degree, (iii) demonstrated effectiveness in leadership, and (iv) licensure as a registered pharmacist. Starting date for this position is 1 September 1976. Salary and academic rank are commensurate with experience and credentials. Final date for the submission of applications is 15 December 1975. Application should be made in the form of a cover letter and curriculum vitae. Nominations are invited to be submitted. Correspondence should be addressed to:

Dr. Henri R. Manasse, Jr.
Chairman, Search Committee
University of Illinois at the Medical Center
College of Pharmacy
833 South Wood Street
Chicago, Illinois 60612

The University of Illinois is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

DEVELOPMENTAL BIOLOGIST

We plan to appoint an additional faculty member to share the undergraduate and graduate teaching of developmental biology with Professors L. F. Jaffe and L. D. Smith from 1 July 1976. The appointee should also be capable of initiating and maintaining a high-quality research program in the same area. We would prefer to make the appointment at the level of assistant professor. Each applicant should send (before 7 November 1975) the names of three referees and curriculum vitae with enough data for an adequate preliminary evaluation of his/her potential in teaching and research to Professor Struther Arnott, Head, Department of Biological Sciences, Purdue University, West Lafayette, Ind. 47907. *Purdue University is an Equal Opportunity/Affirmative Action Employer.*

DIRECTOR, CENTER FOR AFRO-AMERICAN STUDIES: UCLA invites applications for the position of Director of the Center for Afro-American Studies. The Center, established 6 years ago, is one of a number of organized research units on the campus. The Director will have a regular faculty appointment in an appropriate department or school and will divide his/her time between regular faculty and administrative responsibilities. Academic qualifications for appointment as associate professor or professor, demonstrated capacity for administrative leadership, and research experience in the social sciences required.

Send curriculum vitae with names of four references and a letter detailing qualifications by 15 November to: Ms. Claudia Mitchell-Kernan, Chairperson, Search Committee, Center for Afro-American Studies, 3105 Campbell Hall, University of California, Los Angeles, Calif. 90024. *UCLA is an Equal Opportunity Employer, committed to Affirmative Action.*

POSITIONS OPEN

DEAN OF THE FACULTY: Applications and nominations invited for senior administrative position with responsibility for all aspects of the educational program. Emphasis is placed on strong academic background, good teaching experience, professional recognition, and commitment to undergraduate education in the liberal arts tradition. Matters of academic discipline, institutional affiliations, sex, age, salary, and specific experience are open. *An Affirmative Action/Equal Opportunity Employer.* Full résumés should be sent to **Advisory Committee on Dean Selection, Office of the President, Occidental College, Los Angeles, California 90041**, prior to 1 November 1975.

Director, Pharmaceutical Product Development

**Doctor of Pharmacy or
Ph.D. with Pharmaceutical
Technology background preferred**

Rapidly growing Pharmaceutical company, located in the Northeast, seeks individual to develop, expand, and direct a Product Development Department which will include a Pilot Plant. Successful applicant will have in-depth experience formulating internal and topical dosage forms. We provide excellent salary and liberal fringe benefits program.

Candidates are requested to provide curriculum vitae and list of publications and patents.

BOX 441, SCIENCE

An equal opportunity employer m/f



THE INTERNATIONAL ATOMIC ENERGY AGENCY seeks applications for the HEAD OF THE INTERNATIONAL LABORATORY OF MARINE RADIOACTIVITY IN MONACO.

The successful candidate should have a broad background in marine radioecological and oceanographic research. Duties include administration of the laboratory and responsibility for scientific programme. Emoluments US\$32 304 per annum tax free if single, additional benefits if married. Contract period two years. Travel and removal expenses paid. Send curriculum vitae to

Division of Personnel

**International Atomic Energy Agency
P.O. Box 590, A-1011
Vienna, Austria**

not later than 15 December 1975.

POSITIONS OPEN

DIRECTOR VETERINARY MEDICAL TEACHING HOSPITAL

The New York State College of Veterinary Medicine is accepting applications for the position of Director of its Veterinary Medical Teaching Hospital. As chief administrator of the Teaching Hospital, the incumbent is responsible for ensuring that care of patients is of the highest professional level. The Director works in close collaboration with those faculty members responsible for specific research and instructional programs to maximize the Teaching Hospital's role as an instructional resource for D.V.M. students, interns, and residents. The Director's time is expected to be allocated primarily to administration at the policy level, teaching, and research.

The applicant should be a veterinarian with demonstrated skill in teaching clinical medicine as well as experience in administering a clinical program. Salary and academic rank dependent on applicant's qualifications.

Applicants should send complete curriculum vitae, personal bibliography, and references to **Dean E. C. Melby, Jr., New York State College of Veterinary Medicine, Cornell University, Ithaca, New York 14853.**

An Equal Opportunity Employer

DIRECTOR JAMES A. BAKER INSTITUTE FOR ANIMAL HEALTH

The New York State College of Veterinary Medicine, Cornell University, is seeking applications and nominations for the position of Director of the James A. Baker Institute for Animal Health (formerly known as the Cornell Veterinary Virus Research Institute). The directorship also includes faculty appointment in the Department of Microbiology. This is a unique opportunity for persons with a strong record of research who are interested in developing and leading an active interdisciplinary research program which includes microbiology, immunology, and studies of metabolic disease.

Send letters of application or nomination, curriculum vitae, personal bibliography, and references to: **John B. Tasker, Chairman of the Search Committee, New York State College of Veterinary Medicine, Ithaca, New York 14853.**

An Equal Opportunity Employer

DEPARTMENT DIRECTOR

The Biomedical Research Division of large eastern research organization is seeking an outstanding scientist to manage and expand current research efforts in areas of viral, chemical, and nutritional carcinogenesis as well as viral infectious diseases. The successful candidate will have a Ph.D. and a minimum of 10 years of experience. Experience in federally funded contract research is valuable but not mandatory. For further information please send curriculum vitae including publications and salary requirements to **Box 437, SCIENCE, Equal Opportunity Employer.**

Applications are invited for two faculty positions, one in the **Department of Biophysics** and the other in the **Department of Physiology**, both nominally at the **assistant professor** level. We are seeking candidates in the areas of ion transport or electrical excitation in natural or model membranes or in basic synaptic processes. Applicants should have demonstrated research productivity and show ability to build a strong independent research program. Candidates should send a curriculum vitae, a brief outline of current and proposed research, and the names of three referees to **L. Goldman, Search Committee, Department of Physiology, School of Medicine, University of Maryland, Baltimore, Maryland 21201. An Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY EM CENTER HEAD

Responsibilities include coordinating activities of the Mississippi State University Electron Microscopy Center, teaching formal courses in electron microscopy, directing laboratory technicians, and working with faculty and graduate students.

Facility: two TEM's and an SEM, four ultramicrotomes, two knifebreakers, two vacuum evaporators, freeze-etch device, critical point dryer, a sputtering device, darkroom, and specimen preparation laboratory. A Ph.D. and broad experience in transmission and scanning electron microscopy is required. Salary and academic rank dependent on qualifications and experience. Position begins 1 January 1976. Send curriculum vitae, college transcripts, three letters of reference, and publication reprints to: **Professor C. A. Wilson, Chairman, Search Committee, Drawer EM, Mississippi State University, State College, Mississippi 39762. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

Full-time faculty position available for an individual holding the Ph.D. degree whose interests and training are in physiology at the cellular or organismic level; comparative physiology desirable. Duties include teaching at the undergraduate and graduate levels with sufficient time for independent research. Salary and academic rank (assistant or associate professor) is commensurate with qualifications. Submit letter of application, curriculum vitae, and names of three references to: **Dr. R. C. Thommes, Chairman, Faculty Search Committee, Department of Biological Sciences, De Paul University, 1036 West Belden Avenue, Chicago, Illinois 60614.**

De Paul University is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT HEAD: Nominations and applications are invited for head of Ph.D.-granting Department of Chemistry. Teaching experience and proved research ability as well as earned doctorate. Appointment will be at rank of full professor with salary and teaching load negotiable. *Equal Opportunity Employer.* Send résumé and references to:

**H. David Lipsich, Chairman
Search Committee
Office of the Dean**

**McMicken College of Arts and Sciences
University of Cincinnati
Cincinnati, Ohio 45221**

FACULTY POSITION IN MEDICAL PHYSIOLOGY

The Department of Physiology, College of Medicine of the University of South Florida, Tampa, Florida, has a tenure-earning faculty opening (Ph.D. and/or M.D.) at the associate professor level. Applications at the assistant professor level will also be considered. Teaching and research ability are of primary consideration. Evidence of active research grants will be helpful. Research programs in cardiovascular, renal, neurophysiology, endocrinology, transport, and muscle physiology are of interest. Teaching responsibilities include medical, nursing, and graduate students. The individual should be able to effectively teach areas other than the primary research interest. Salaries are negotiable. Persons interested in this position should send a curriculum vitae and three letters of reference to:

**Carleton H. Baker, Ph.D.
Professor and Chairman
Department of Physiology
College of Medicine
University of South Florida
Tampa, Florida 33620**

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

Microbiologist



San Francisco Bay Area

We seek a Ph.D. with a strong background in one or more of the following areas: biochemistry, metabolism, microbial genetics, or cell culture. This is a postdoctoral appointment for 1 year, but subject to extension. Research will involve chemical mutagenesis studies to detect chemical carcinogens using in vitro systems.

SRI is a nonprofit research organization providing contract research to government and industry. Please send résumé to Mrs. H. Wherry, Personnel Coordinator, SRI, 333 Ravenswood Avenue, Menlo Park, Calif. 94025.

**STANFORD
RESEARCH
INSTITUTE**

POSITIONS OPEN

Anticipated position for **DEVELOPMENTAL ZOOLOGIST**, Ph.D., at assistant professor level, to teach human physiology and anatomy, upper-division embryology, and a graduate course in specialty.

Send curriculum vitae to: **James D. Fawcett, Department of Biology, University of Nebraska at Omaha, Omaha, Nebraska 68132.**

An Equal Opportunity/Affirmative Action Employer

A temporary position for only spring semester, 1975-1976. The position is at the rank of **Instructor**. The individual will be involved in teaching human biology and laboratory, general zoology laboratory, and possibly general biology laboratory. Contact **Charles Mueller, Chairman, Department of Biology, Slippery Rock State College, Slippery Rock, Pa. 16057**. All applications must be received by 15 December 1975. *Slippery Rock State College is an Equal Opportunity/Affirmative Action Employer.*

HEALTH PHYSICIST

Faculty position as assistant, associate, or full professor (in health physics or radiological physics). Position will require teaching of radiation and radioisotope physics as well as radiation public health. The Ph.D. degree in health physics, radiological physics, or a directly related field is required. Desired is both academic and operational experience in radiation health. A certification in health physics or radiological physics is also desirable. The faculty position is on a 9-month basis. The applicant will have the opportunity and will be encouraged to participate in research both in summer and during the academic year. Rank and salary will be commensurate with experience. Send curriculum vitae to:

**Colorado State University
Department of Radiology
and Radiation Biology
Fort Collins, Colo. 80523
Attn: Dr. Max R. Zelle
Telephone: 303-491-5222**

Application deadline is 15 November 1975. *Colorado State University is an Equal Opportunity Employer. Ethnic minorities and women are encouraged to apply.*

POSITIONS OPEN

M.S. OR Ph.D. IN HUMAN GENETICS for cytogenetics laboratory in the division of hematology at a community teaching hospital. Laboratory concerned with clinical cytogenetics especially bone marrows but lymphocytes, fibroblasts, and amniotic fluids also cultured. All banding techniques utilized. Position would include lab bench work and supervision of three technicians. Qualifications should include Ph.D. in Human Genetics with experience in tissue culture and banding techniques. Salary approximately \$15,000, but can be adjusted under exceptional circumstances. Support from National Cancer Institute contract. Please send résumé in confidence to: **Ms. Marie Smulski, Personnel Department, Jewish Hospital and Medical Center of Brooklyn, 555 Prospect Place, Brooklyn, N.Y. 11238.**

Pharmacologists B.S./M.S.

Our expanding research efforts have created two vacancies in Pharmacology, one in CNS and one in cardiovascular. Both require a recent M.S. degree or 5 to 10 years experience at the B.S. level in CNS or CV pharmacology.

Salary is commensurate with training and experience along with a comprehensive benefits program. We are located in a suburban, highly professional atmosphere.

Reply in confidence including résumé and salary requirements to

Miss Pat Pringle, Employment Recruiter



**Pharmaceutical Division
P.O. Box 1710 Rochester, New York 14623**

An equal opportunity employer, M/F

POSITIONS OPEN

NEUROPHYSIOLOGIST (Two Positions Available)

Candidates must have a Ph.D. plus two or more years of postdoctoral experience. Duties include teaching medical and graduate students, and development of an effective and independent research program, with emphasis placed on research. Salary and rank at the assistant or associate professor level depending on qualifications and experience. Send curriculum vitae plus names of three references to:

**Dr. Charles D. Barnes, Chairman
Department of Physiology
Texas Tech University
School of Medicine
P.O. Box 4569
Lubbock, Texas 79409**

An Equal Opportunity Employer

PHARMACOLOGIST

Two positions open in the Department of Pharmacology in the newly expanded School of Medicine at East Carolina University. One position is at the professor-associate professor level and the other at the assistant professor level. Teaching experience and research accomplishments necessary. Applicants should submit curriculum vitae and other supporting documents preferably by 15 December 1975 to **Chairman, Department of Pharmacology, School of Medicine, East Carolina University, Greenville, North Carolina 27834.**

Equal Opportunity/Affirmative Action Employer

Ph.D. pharmacology, toxicology, biology, biochemistry, or pathology. Interested in toxicology, biochemistry, pharmacology, liver toxicity, and metabolism of drugs in man, animals, and tissue cultures. Previous experience in independent or semi-independent research, scientific writing, tissue culture, and animal work very desirable. Research associate position immediately available. Stipend \$9,000 to \$12,000. Send curriculum vitae, reprints or manuscripts of two best papers and two references giving name, address, and telephone number to **Dr. Carlos A. Dujovne, Clinical Pharmacology-Toxicology Center, University of Kansas Medical Center, Kansas City, Kan. 66103.**

METABOLISM SPECIALIST

Carnegie-Mellon Institute of Research, a unit of Carnegie-Mellon University is seeking to fill the above positions with its Chemical Hygiene Fellowship, a toxicology laboratory in its 38th year.

We seek a Ph.D. biochemist or pharmacologist with approximately 5 years experience in the "in vivo" and/or "in vitro" metabolism of chemicals or drugs. The applicant will be expected to design studies using radio active compounds leading to the determination of roots and rates of absorption, excretion, and tissue distribution of compounds and metabolites.

Knowledge of separation and purification techniques, the isolation and identification of metabolites is essential. Experience with metabolites, including infrared mass NMR spectroscopy is desirable.

The person selected for this position will work closely with other members of the staff in the field of toxicology, metabolism, biochemistry, pathology and cell biology.

CYTOGENETICIST or CELL BIOLOGIST

Our needs require a Ph.D. cytogeneticist or cell biologist with research competence in mammalian cellular genetics. This position requires the ability to plan, develop and evaluate methods and programs to determine therapeutic hazards of chemicals to mammals.

The person accepted must work closely with other specialists in the pharmacological and toxicological areas.

Knowledge of basic techniques for assay of mutations in mammalian systems is essential and training in general cell and tissue culture techniques is highly desirable.

For prompt consideration:
Please forward your resume and salary requirements to:

**Mr. L. J. Sullivan
Chemical Hygiene Fellowship
Carnegie-Mellon University
4400 Fifth Avenue
Pittsburgh, Pennsylvania 15213
An Equal Opportunity Employer M/F**

POSITIONS OPEN

INSTITUTE OF BIOCHEMISTRY ODENSE UNIVERSITY DENMARK

A position as assistant or associate professor is available for a **biochemist**. Preference will be given to applicants with research interests in membrane-bound enzyme systems, particularly those of electron transport and/or phosphorylation. The laboratory is well equipped for spectrophotometric studies of cytochromes. The successful candidate should be able to teach elementary biochemistry as well as advanced courses in biochemical topics for science students. A curriculum vitae, including teaching experience, reprints of recent publications, and the names of references (in duplicate) should be sent to: **The Administration, Odense University, Niels Bohrs Alle, DK-5000 Odense, Denmark**, no later than 1 November 1975.

PROJECT MANAGER—TOXICOLOGIST

We are a contract laboratory located in the Midwest. The individual selected will have responsibilities for the management of research projects and will supervise project studies.

A Ph.D. in pharmacology or experimental toxicology or D.V.M. is required. A minimum of 2 years of experience in independent toxicology research or laboratory supervision is necessary.

We offer a comprehensive fringe benefits package—company-paid relocation allowances—excellent salary—good advancement potential.

Box 440, SCIENCE.

An Equal Opportunity Employer M/F

A faculty position is open in the Department of Genetics for a **Population Geneticist** at the assistant professor level. Preference will be given to candidates with experience in human and behavioral population genetics. Deadline is 15 November 1975. Apply to: **John A. Hunt, Chairman, Department of Genetics, University of Hawaii, Honolulu, Hawaii 96822. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWS IN TOXICOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The need to understand the implications of human exposure to environmental chemicals is the central focus of an interdisciplinary program in toxicology within the Department of Nutrition and Food Science. Research programs aim at identifying environmental chemicals hazardous as toxicants, carcinogens, or mutagens, and elucidating the biochemistry of metabolism and subcellular interactions leading to adverse responses in cell culture and animal models. Examples of current programs include broadly based studies on mycotoxins and *N*-nitroso compounds, in which emphasis is placed on applying information gained from basic research to the immediate problems of evaluating potential health hazards.

In order to intensify efforts in this area and to satisfy the increased national demand for professional scientists with toxicology training, several new appointments at the postdoctoral level are available immediately. Applications are solicited from individuals seeking professional experience but who desire the opportunity for independent development and contribution. Areas of research interest to be developed are therefore broadly defined and applicants with experience in fields such as biochemical pharmacology, cell biology, and physiology will be considered along with those from individuals with experience more specifically related to toxicology.

Curriculum vitae may be submitted to:

**Dr. W. G. Thilly, Secretary
Toxicology Search Committee
Room E18-664
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139
An Equal Opportunity Employer**

POSTDOCTORAL POSITION

Postdoctoral research position (1 year minimum) to investigate the effects on nongaseous airborne pollutants from coal-fired power plants on the photosynthesis and nitrogen fixation of microalgae. Experience with biochemical and microbiological techniques applicable to area of research desired.

Oregon State University subscribes to a policy of active recruitment of women and ethnic minority persons and invites all interested and qualified persons to apply with résumé and references to:

**Dr. Norman I. Bishop
Department of Botany and Plant Pathology
Oregon State University
Corvallis, Ore. 97331**

POSITIONS OPEN

POSITIONS OPEN

POSTDOCTORAL CARDIAC ELECTROPHYSIOLOGIST

NIH-funded position available immediately. Automaticity and antiarrhythmic drugs. Must have micro-electrode experience, minicomputer experience helpful. Send curriculum vitae and two letters of recommendation to: **B. G. Katzung, Department of Pharmacology, University of California, San Francisco, Calif. 94143.**

PRE- AND POSTDOCTORAL POSITIONS are available for studies on the protein synthesizing system with special emphasis on ribosomes—topography, biogenesis, and function—under various conditions of growth and development. Teaching opportunities available. Reply with résumé to: **Professor Bruce H. Sells, Laboratories of Molecular Biology, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7.**



National Research Council Canada
Conseil national de recherches Canada

RESEARCH ASSOCIATESHIPS 1976

For research in science and engineering in the following laboratories of the **National Research Council of Canada**:

Atlantic Regional Laboratory
Division of Biological Sciences
Division of Building Research
Division of Chemistry
Herzberg Institute of Astrophysics
Division of Mechanical Engineering
National Aeronautical Establishment
Division of Physics
Prairie Regional Laboratory
Radio and Electrical Engineering Division

The National Research Council of Canada offers Research Associateships tenable in its laboratories. These Associateships are intended to give promising young scientists and engineers an opportunity to work on challenging research problems in fields of interest to NRC as a stage in the development of their research careers.

Applicants should possess at least a Ph.D. in natural science or a master's degree in an engineering field or expect to obtain the degree before taking up the award. Demonstrated ability to perform original research of high quality in the chosen field will be the main criterion used in selecting candidates and in considering extensions of their term.

While preference will be given to Canadians, the Associateships are open to nationals of other countries. Successful candidates must meet the requirements for entry to Canada.

Research Associates will be offered salaries and staff benefits comparable to those currently available to members of the regular staff of the National Research Council.

The initial award will be for a period of 1 year and may be renewed at intervals for a total period of up to 5 years.

An allowance will be provided toward the cost of travel between the place of residence at the time the appointment is made and the laboratory at which the Associateship is held. A similar allowance may be made for return travel on termination.

Applications must be made on special forms which may be obtained from the **Research Associates Office, National Research Council of Canada, Ottawa, Canada K1A 0R6**. Applications and supporting documents should be received in Ottawa not later than 15 January 1976.

RESEARCH SCIENTISTS

An expanding biomedical research firm in suburban Washington, D.C., currently has positions available for qualified professional senior and technical personnel, in the following disciplines:

**Immunology-Immunochemistry
Virology-Cell Biology
Oncogenic Virology
Biochemistry-Enzymology
Lipid Biochemistry
Analytical Lipid Chemistry**

At least 2 years of postdegree experience preferred. Interested individuals should submit references, salary requirements, and curriculum vitae in complete confidence to:

**Meloy Laboratories, Inc.
6715 Electronic Drive
Springfield, Virginia 22151
Attn: Code R30**

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POSTDOCTORAL POSITION:

Available immediately to study chromosomes in mouse cell cultures undergoing differentiation. Reply with curriculum vitae including background experience and interests.

Box 438, SCIENCE.

POSTDOCTORAL RESEARCH ASSOCIATE. Position available for 1 to 2 years for research on streptococcal antigens. Applicants should have strong background in immunology and biochemistry. For further information, send résumé to **Dr. Eugene N. Fox, La Rabida University of Chicago Institute, Chicago, Illinois 60649.**

POSTDOCTORAL RESEARCH ASSOCIATE. Seeking Ph.D. or M.D. with experience in protein biochemistry to join an active research team investigating immune responses to human and murine leukemia cells. Applicant would be expected to develop an independent but integrated research program designed to identify and characterize antigens on cell surfaces and onconaviruses. Support available for 2 years beginning 1 June 1976. Competitive salary depending on experience. Send curriculum vitae and three letters of recommendation to **Dr. Kendall A. Smith, Hematology Research Laboratory, Dartmouth Medical School, Hanover, New Hampshire 03755. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE

A position is immediately available for a recent graduate (Ph.D.) trained in neurophysiology to work on problems of cellular interactions in *Limulus*. Experience in microsurgical, microinjection, as well as intracellular recording techniques is desirable. Send curriculum vitae and names of three references to: **Dr. James G. Townsel, Department of Physiology, Meharry Medical College, Nashville, Tenn. 37208.**

RADIOPHARMACEUTICAL CHEMIST. Opportunity to develop and direct radiopharmacy laboratories in diagnostic nuclear medicine. Supervise radiopharmaceutical preparation, serve as consultant to basic and clinical research programs, participate in collaborative and individual research. Curriculum vitae, bibliography, and names of three referees may be directed to the chairman of the search committee:

**Heinz W. Wahner, M.D.
Mayo Clinic**

Rochester, Minnesota 55901

Mayo Foundation is an Equal Opportunity/Affirmative Action Employer.

RESEARCH—Basic experimental research position lasting 1 or 2 years immediately available for a postdoctoral fellow (Ph.D. or M.D.). Experience or background necessary in inflammatory disease for studies in ophthalmic immunology. Philadelphia area. Send résumé to: **E-92, P.O. Box 2069, Philadelphia, Pa. 19103.**

A RARE OPPORTUNITY TO HELP SOLVE ENVIRONMENTAL PROBLEMS

Nalco, an international leader in water, environmental and energy science, is seeking applicants for 4 staff positions in its Physical Sciences Section.

1. Associate Scientist as project leader on thermal plume, water current/temperature, bathymetric, and sediment distribution/transport studies. M.S. or Ph.D. in Physical Limnology or Physical Oceanography and 2 or 3 years experience in data collection and technical writing are desired.

2. Associate Scientist as project leader on stream gaging, watershed, aquifer definition/characterization, and ground water balance/flow studies. M.S. or Ph.D. in Hydrology or Civil Engineering and 2 or 3 years experience in data collection, analysis and technical writing are desired.

3. Assistant Scientist participating in water current, thermal plume, and dye studies. Must be familiar with associated field instrumentation. M.S. or B.S. with 1 or 2 years experience in Physical Oceanography, Ocean Engineering, Physical Limnology or a related field is desired.

4. Technician responsible for data collection and reduction activities plus some participation in field studies. 2 to 4 years of college with a major in physical sciences or engineering is required.

These positions offer starting salaries commensurate with experience, generous company-paid benefits including profit sharing, and potential to advance professionally. Send your resume with salary history in confidence to:

DR. RICHARD G. JOHNSON
NALCO ENVIRONMENTAL SCIENCES
1500 FRONTAGE ROAD
NORTHBROOK, ILLINOIS 60062

An Equal Opportunity Employer

SR. SCIENTIST

Ph.D. in Pharmacology

or Physiology Required

Our Pharmaceuticals Division has an excellent senior position now open in the Pharmacology Department for a person with a Doctorate degree in Pharmacology or Physiology and at least 2 years of experience in Psychopharmacology or Neuropharmacology.

The candidate selected will assume responsibility for specific on-going projects in the area of CNS research, for which excellent facilities are available. The appointee will be encouraged to pursue research interests indicating a potential contribution to the recognition and understanding of psychoactive drugs.

Successful applicant will be based at our central New Jersey facilities, and receive a compensation commensurate with education and experience, together with a program of comprehensive company paid benefits.

If your background meets the requirements stipulated, please send Curriculum Vitae indicating salary requirements in confidence, to: Mr. C. R. Grupe, The Pharmaceuticals Division of CIBA-GEIGY Corporation, 556 Morris Avenue, Summit, New Jersey 07901. We are an equal opportunity employer/male and female.

CIBA-GEIGY

STAFF PHYSICIAN

Artificial Kidney Program

The Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, invites applications for the position of Staff Physician, in the Artificial Kidney Program, to be filled 1 July, 1976. Successful candidates will be commissioned in the PHS Corps at a total salary and bonus ranging from approximately \$29,000 to \$30,000, plus tax-free allowance for quarters and subsistence. (Previous active or inactive service in one of the uniformed services might provide credit for increased pay. Officers with dependents would also receive slightly higher pay.) Duties include participation in direction and support, through research contracts, of a spectrum of research, and serving as project officer on specified research contracts. Scope of the research ranges from basic investigations into the nature of uremia to the development of improved artificial kidneys and methodology.

Forward résumé no later than 31 December, 1975 to:

Mrs. June Ardizzone, Personnel Officer
Bldg. 31, Rm. 9A-34
Public Health Service

NATIONAL INSTITUTES OF HEALTH

National Institute of Arthritis,
Metabolism, and Digestive Diseases
Bethesda, Maryland 20014

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BIOPHYSICIST

Position supports group-oriented research in cytogenetics using flow systems. Emphasis to be placed on preparative procedures for chromosome isolation and biophysical techniques of purification combined with electronic flow sorting. Fluorescent staining of DNA and chromosomal proteins applied to quantitative karyotyping, aberration detection and biochemistry.

Background should include Ph.D. or formal training in cytogenetics. Must possess strong interest in working as a member of a research team in flow cytogenetics.

One-two year term appointment. Position available immediately.

Send detailed résumé to:

Mr. Arthur L. Henry
Personnel
Department
LAWRENCE
LIVERMORE LABORATORY
P.O. Box 808 (SC-105)
Livermore, California 94550



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LAWRENCE LIVERMORE LABORATORY

Salaries are open and are based on ability & experience

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITION. Seeking Ph.D. pharmacologist or biochemist to participate in study of lead and calcium transport in brain and neural barriers. Position available immediately. Please send résumé and references immediately to Dr. Lorcan A. O'Tuama, 320 Biological Sciences Research Center, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.

An Equal Opportunity/Affirmative Action Employer

Position open: NIH-supported **POSTDOCTORAL TRAINEESHIP** for 2 years, available immediately, to study the regulation of intraocular pressure. Areas of interest include the inflow and outflow of aqueous humor and control by cyclic nucleotides, prostaglandins, and neurotransmitters.

Interested candidates should have a background in physiology, pharmacology, morphology or biochemistry. Send curriculum vitae or requests for additional information to:

Dr. Arthur H. Neufeld
Department of Ophthalmology and Visual Science
Yale University School of Medicine
333 Cedar Street
New Haven, Connecticut 06510

STAFF FELLOW

The National Institutes of Health, Public Health Service, Human Biochemical and Developmental Genetics, Neonatal and Pediatric Medicine Branch, National Institute of Child Health and Human Development, is offering an appointment of 2 years for a Staff Fellow. Minimum salary of \$18,800 per year.

Duties will include clinical and laboratory investigative research of inborn errors of metabolism, intermediary metabolism, nutrition, and the biochemistry of human and mammalian development.

Candidate must be a M.D. Experience in Pediatrics preferred.

Position is available beginning 1 July 1976. Please submit curriculum vitae as soon as possible to:

Joseph D. Schulman, M.D.
Chief, Section on Human Biochemical
and Developmental Genetics, NICHD
**NATIONAL INSTITUTES OF
HEALTH**
Public Health Service
Building 10, Room 13N-256
Bethesda, Md. 20014
301-496-6683

An Equal Opportunity Employer M/F

TECHNICIAN

Position available: technician must be very experienced in analytical chemistry, especially GLC work. Educational background: B.S. in chemistry, chemical engineering, or other engineering sciences. Experience in environmental field sampling desirable. Job will involve aircraft field sampling. Salary: open to discussion.

Contact: Professor Douglas D. Davis, Chemistry Department, University of Maryland, College Park, Maryland 20742. Telephone: 301-454-2616.

VIROLOGIST, research oriented, to contribute to the doctoral program in life sciences and offer undergraduate/graduate course in general virology. Excellent facilities provided, rank and salary open, preference given to applicants with established research programs. Send curriculum vitae and list of referees to: Dr. C. P. Sword, Department of Life Sciences, Indiana State University, Terre Haute, Ind. 47809. Applications will be considered until 20 November 1975. *Indiana State University is an Affirmative Action/Equal Opportunity Employer.*

ZOOLOGIST—Ph.D. Assistant professorship available in January. Major responsibility: lecture course for nonmajors, introductory biology—responsibility shared jointly with another department. Possible development of accompanying laboratory. Opportunity for own research and advanced teaching in evolutionary biology or ecology. M.S., Ph.D. students. Send résumé and names of three references by 15 November to J. H. Potter, Zoology Department, University of Maryland, College Park, Maryland 20742.

An Equal Opportunity Employer

POSITIONS OPEN

VASCULAR SURGEON with interests in research; Department of Surgery, University of Washington School of Medicine; full-time position; *Equal Opportunity, Affirmative Action Employer.*

For additional information contact Dr. D. E. Strandness, Jr., Department of Surgery, University of Washington School of Medicine, Seattle, Washington 98195.

PROGRAMS

Ongoing private marine biological facility seeks relationship with educational institution to develop **MARINE SCIENCE PROGRAM**. Northeastern Gulf of Mexico, waterfront location, diverse habitats, docking and animal holding facilities, running sea water. Staff includes well-known naturalist/writer, M.S. in biological oceanography, expert marine collectors. Reply to Box 439, SCIENCE.


FELLOWSHIPS

POSTDOCTORAL RESEARCH FELLOWSHIPS IN MEDICAL GENETICS

A limited number of NIH Institutional Research Fellowships in Medical Genetics are available for M.D.'s, Ph.D.'s, and D.D.S.'s who intend to pursue a research or teaching career in medical genetics. Stipends range from \$10,000 to \$13,000 per year depending on years of postdoctoral experience. Research experience and background in genetics is desirable.

Deadline for applications: 1 December 1975 for fellowships beginning 1 January 1976; 15 March 1976 for fellowships beginning 1 July 1976.

Application forms may be obtained from Dr. Jorge J. Yunis, Director of Training Program in Medical Genetics, Box 198, Mayo Memorial Building, University of Minnesota, Minneapolis, Minn. 55455. Telephone 612-376-3309.

 National Research Council Canada Conseil national de recherches Canada

POSTDOCTORATE FELLOWSHIPS IN GOVERNMENT LABORATORIES 1976-77

The National Research Council of Canada offers Fellowships for 1976-77 on behalf of the following Canadian Government Departments and Agencies: Agriculture Canada; Department of Communications—Communications Research Center; Department of Energy, Mines and Resources; Department of the Environment: Atmospheric Environment Service—Canadian Forestry Service, Inland Waters Directorate, Lands Directorate; Fisheries and Marine Service—Fisheries Management, Ocean and Aquatic Sciences; Health and Welfare Canada—Health Protection Branch; National Museums of Canada—Museum of Natural Sciences; Atomic Energy of Canada Limited.

An applicant should possess a Ph.D. degree from a recognized university, or expect to obtain such a degree before taking up an award. Candidates having equivalent research experience may be considered. Normally an applicant should not have reached his 36th birthday by 31 March of the year in which the fellowship is to be taken up. Applicants exceeding this age limit should not be more than 1 year past Ph.D. graduation. There are no restrictions regarding nationality of applicants, but successful candidates must meet all Canadian immigration requirements. The competition closes on 15 January 1976.

Effective 1 April 1976, Fellowships have an annual value of \$11,750 and are subject to Canadian income tax. An allowance is provided toward the cost of travel.

Inquiries should be addressed to the **Postdoctorate Fellowships Office, National Research Council of Canada, Ottawa, Canada K1A 0R6.**

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STATEMENT

STATEMENT REQUIRED BY THE ACT OF 12 AUGUST 1970: SECTION 3685, TITLE 39, UNITED STATES CODE SHOWING THE OWNERSHIP, MANAGEMENT AND CIRCULATION OF

SCIENCE published weekly on Friday except the last week in December, but with an extra issue on the fourth Tuesday in November, at 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Date of filing: 24 September 1975. This is also the address of the publisher, the editor, and the managing editor, who are, respectively, William D. Carey, Philip H. Abelson, and Robert V. Ormes.

The owner is American Association for the Advancement of Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Stockholders: None.

Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities: None.

The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes have not changed during preceding 12 months.

The average number of copies each issue during preceding 12 months are (A) Total No. copies printed: 152,721; (B) Paid circulation: (1) sales through dealers and carriers, street vendors, and counter sales: 73; (2) mail subscriptions: 147,269; (C) Total paid circulation: 147,342; (D) Free distribution by mail, carrier, or other means: (1) samples, complimentary, and other free copies, 2,670; (2) copies distributed to news agents, but not sold: none; (E) Total distribution: 150,012; (F) Office use, leftover, unaccounted, spoiled after printing: 2,709; (G) Total: 152,721.

Actual number of copies of single issue published nearest to filing date are (A) Total No. copies printed: 150,323; (B) Paid circulation: (1) sales through dealers and carriers, street vendors, and counter sales: 10; (2) mail subscriptions, 144,424; (C) Total paid circulation: 144,434; (D) Free distribution by mail, carrier, or other means: (1) samples, complimentary, and other free copies: 2,237; (2) copies distributed to news agents, but not sold: none; (E) Total distribution: 146,671; (F) Office use, leftover, unaccounted, spoiled after printing: 3,652; (G) Total: 150,323.

I certify that the statements made by me above are correct and complete.

(signed) HANS NUSSBAUM
Business Manager



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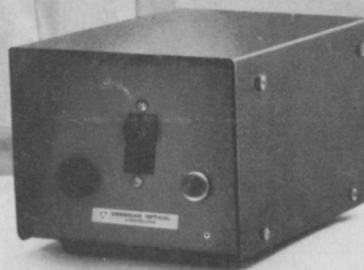
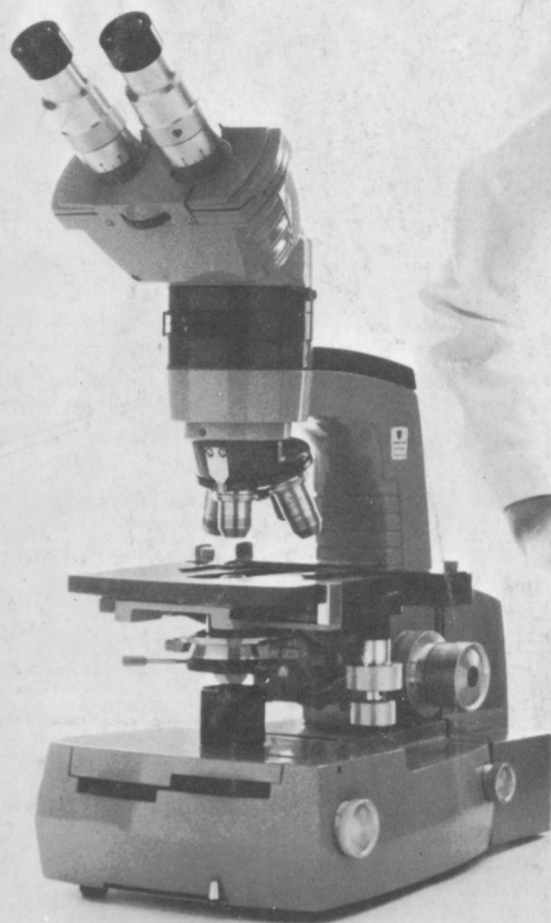


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