

# Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

**POSITION WANTED:** 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

**POSITIONS OPEN:** \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest quarter inch. Payment in advance is required except where satisfactory credit has been established.

**COPY** for ads must reach **SCIENCE** 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

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

Replies to blind ads should be addressed as follows:

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

## POSITIONS WANTED

**Agronomist.** B.S. Plant Physiologist. Ph.D. 1970. Postdoctoral experience, publications. Crop productivity theory/practice. Industry preferred. Box 384, **SCIENCE**. X

**Anatomist.** Ph.D. Seeking position teaching neuroanatomy, gross anatomy in medical school or neurobiology in a college. Experienced with publications, monographs, and grants. Box 385, **SCIENCE**. 9/6

**Biochemist.** Ph.D. 1960. Female. Protein characterization, physical/chemical. Publications. Consider academic, industrial, business opportunity. Box 391, **SCIENCE**. X

**Biochemistry.** Ph.D. Publications; experience in membrane biochemistry, hormone action, enzymology, protein transport and synthesis. Seeks research, teaching/research position. Box 392, **SCIENCE**. X

**Biostatistician.** Ph.D. Biomedical research experience. Publications. Desires research/consulting position. Pacific Southwest United States. Box 393, **SCIENCE**. X

**Geneticist.** Ph.D. Research experience in hamster cell genetics, statistical/computer experience, and mutagenesis problems; teaching experience in zoology, genetics, and evolution. Seeks research or teaching/research position. Available immediately. Box 394, **SCIENCE**. X

**Gross Anatomist.** Twenty years of teaching experience. Complementary research and publications. Administrative experience. Seeks stimulating, innovative teaching opportunity in broad base health science program. Box 395, **SCIENCE**. X

**Industrial Pharmacologist.** Recent Ph.D. Physiology M.S. Pharmaceutical consultant experience. Knowledgeable in Spanish and Fortran. Pilot. Doctoral research in pharmacological evaluation of new compounds. Desires industrial, governmental, or administrative placement. Box 396, **SCIENCE**. 8/30; 9/6

**Medical Editor** with broad background in editing and publishing at senior level seeks challenging full-time or part-time assignments. Box 397, **SCIENCE**. 8/30; 9/6

**Microscopic/Photographic Technician.** Experience in microscopy, optical microscopy, SEM, photography, and darkroom. Ability to apply and relate to various fields. J. D. Keen, 113 Big Horn Court, Old Hickory, Tenn. 37138. X

**Organic-Polymer Chemist.** Ph.D., D.Sc. Desires faculty/research position. International academic and industrial experience. Publications, patents. Box 398, **SCIENCE**. X

30 AUGUST 1974

## POSITIONS WANTED

**Physical Biochemistry.** Ph.D. Seeks faculty position in college or university. Administrative, teaching, and research experience. Publications. Box 399, **SCIENCE**. X

**Population Quantitative Geneticist.** Ph.D. Desires research and teaching position. Postdoctoral experience in computer simulation of genetic models. Research experience with publications. Dr. Linda Hulbert, 145 Frontier Hall, University of Minnesota, Minneapolis, Minnesota 55455. X

**Scientific Illustrator** seeks free-lance assignments for figures and slides. Low rates. Science Graphics, 10 West 86 Street, New York 10024. Telephone: (212) 595-7699. X

**Tumor Immunologist.** Ph.D. 1971. Creative and energetic. Fourteen publications. Biochemical, cellular, and clinical research experience. Seeks research or research/teaching position in California. Box 400, **SCIENCE**. X

## POSITIONS OPEN

### ANALYTICAL CHEMIST

The Clorox Technical Center, Pleasanton, California, has immediate opening for an Analytical Chemist with food analysis experience. Prefer college graduate with higher degree, and minimum of 3 to 4 years of industrial experience.

Send detailed résumé with salary requirements to:

**Recruiting Coordinator,**  
**The Clorox Company**  
**P.O. Box 24305**  
**Oakland, Calif. 94623**

*An Equal Opportunity Employer*

### ANIMAL PSYCHOLOGIST (Ph.D.)

With experience in physiological techniques is sought by laboratory engaged in a program of concurrent investigation of neural and behavioral development in normal and experimentally treated rats. Responsibilities include supervision of the training of pre- and postdoctoral fellows in behavioral research. Send curriculum vitae and references to **Dr. Joseph Altman, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907**.

*An equal opportunity employer*

### ASSISTANT PROFESSOR

Position for an Assistant Professor of Biochemistry will be available 1 September 1975. Candidates should have the Ph.D. or M.D. degree and should have training and experience in the metabolism of lipids and/or the biochemistry of cell membranes. *This University is an equal opportunity employer.* Send curriculum vitae and three letters of recommendation to: **Chairman, Department of Biochemistry, School of Medicine, University of North Carolina, Chapel Hill, N.C. 27514**.

### ASSISTANT PROFESSOR OF MOLECULAR BIOLOGY

Applications are invited for a position as Assistant Professor in the Department of Molecular Biology, University of California, Berkeley. The applicants must have the Ph.D. or equivalent degree and have demonstrated competence in independent research on the molecular biology of eukaryotic cells or organisms. The department is particularly interested in strengthening research and teaching in both Developmental Molecular Biology and Nucleic Acid Enzymology, although outstanding candidates in other areas of eukaryote molecular biology will also be considered.

Applicants should send a curriculum vitae along with the names of three references, bibliography, and a summary of research plans to **Dr. Alvin J. Clark, Chairman of Search Committee, Department of Molecular Biology, University of California, Berkeley, Calif. 94720**.

*The University of California is an equal opportunity employer; female and minority persons are urged to apply.*

## POSITIONS OPEN

### AQUATIC BIOLOGIST/FISHERY BIOLOGIST

Applications are invited for a position as aquatic biologist/fishery biologist with the Water Resources Laboratory, University of Louisville. Candidates must have demonstrated ability to perform independent research as evidenced by quality publications and an earned doctorate. The successful candidate must have knowledge in various aspects of aquatic biology with principal emphasis on stream ecology. Please send a complete curriculum vitae and three letters of recommendation to **Dr. Louis A. Krumholz, Director, Water Resources Laboratory, University of Louisville, Louisville, Kentucky 40208**. The position will be filled as soon as possible. *The University of Louisville is an Affirmative Action Employer.*

### STATE ARCHEOLOGIST IOWA

Applicants should be well-qualified archeologists, have administrative ability, hold an advanced degree, and be eligible for an adjunct appointment in the Department of Anthropology at the University of Iowa. Please send résumé and supporting material before 1 October 1974 to:

**Dr. John D. McCrone**  
**Associate Vice President for**  
**Educational Development and Research**  
**The Graduate College**  
**University of Iowa**  
**Iowa City, Iowa 52242**

*The University of Iowa is an equal opportunity employer.*

### NUTRITION ACTIVIST

Public interest group is seeking a Ph.D., M.D., or M.P.H. who has studied the relationships between diet and chronic diseases. Person should be interested in working with an activist group that seeks reforms of government and industry practices. For information contact **Dr. Michael Jacobson, Center for Science in the Public Interest, 1779 Church St. NW, Washington, D.C. 20036**.

### LINCOLN UNIVERSITY COLLEGE OF AGRICULTURE New Zealand CHAIR IN AGRICULTURAL MICROBIOLOGY

The Council of Lincoln College, a University College of Agriculture located in Canterbury, New Zealand, invites applications for appointment to the Chair in the Agricultural Microbiology Department. This will be the first appointment to the Chair in Agricultural Microbiology at this University College.

The successful applicant will be Head of the Department of Microbiology, which is responsible for a major teaching programme from Diploma to Post Graduate level, and which has active research and advisory interests. The present establishment includes 1 Reader, 2 Senior Lecturers, 1 Lecturer, 1 Demonstrator and 3 Technicians.

Applicants should hold an advanced university degree in an appropriate field and it would be expected that they would have had experience in teaching and/or research.

The successful applicant will be appointed to the position within the existing range of professorial salaries, the commencing salary being in accordance with qualifications and experience within the range of \$NZ15,111-\$NZ19,233 per annum.

Expenses of appointment reimbursed up to specified limits. The appointee will be eligible to join the New Zealand Government Superannuation fund, or if eligible, he may elect to continue for a limited period existing F.S.S.U. policies.

Apply in writing for Conditions of Appointment obtainable from the Secretary General, Association of Commonwealth Universities (Apts.), 36 Gordon Square, London WC1H 0PF, or from the Registrar, Lincoln College, Canterbury, New Zealand.

Applications close on 15 October 1974.

## RIA's are so much easier and accurate with a Brinkmann Dilutor.

RIA sample processing becomes a simple matter with the Brinkmann Digital Dilutor; it mixes sample and reagent additively, precisely and automatically at the touch of a button. Outstanding accuracy and reproducibility is made possible by an electronic digital volume setting system combined with two precision cylinder and piston assemblies, each having only 2 moving parts.

Liquids contact only glass and PTFE components. Operating range is 1.0 to 5,000  $\mu$ l for reagent, adjustable in steps of 1.0  $\mu$ l.

Choice of two sample ranges: 0.1 to 500  $\mu$ l, adjustable in steps of 0.1  $\mu$ l (Model I), or 1.0 to 5,000  $\mu$ l, in steps of 1.0  $\mu$ l (Model II). For literature write: Brinkmann Instruments, Cantiague Road, Westbury, New York 11590. In Canada: Brinkmann Instruments (Canada) Ltd., 50 Galaxy Blvd., Rexdale (Toronto), Ont.

**B Brinkmann**



## POSITIONS OPEN

### FACULTY POSITION

The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences seeks applicants with a doctoral degree in physiology, pathology or related area. Research affiliation with the Biology Division, Oak Ridge National Laboratory. Rank and salary dependent on qualifications. Successful candidate will maintain viable research program and teach mammalian physiology at graduate level. Duties also include assisting in recruitment and advisement of students in minority research training program. *Minority applications encouraged.*

Send curriculum vitae and three references to: **Fred C. Hartman, Search Committee, University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37830.**

*An Equal Opportunity/Affirmative Action Employer*

### FERMENTATION DEVELOPMENT

The individual selected for this position will work in a group whose goals are to optimize the fermentation productivity of antibiotics. Programs concerning all aspects of fermentation are the responsibility of this group. Areas of investigation could include: regulation of biosynthesis, nutrient interaction and optimization, inoculum development, fermentation engineering, and continuous and semi-continuous processes.

Candidates should have either a Ph.D. degree or equivalent experience in biochemical engineering, microbiology, or engineering with a strong microbiology background. Please direct résumé to:

**Mr. R. R. Lewin**  
Personnel Representative  
Eli Lilly and Company  
1202 Kentucky Avenue  
Indianapolis, Indiana 46206

*An Equal Opportunity Employer*

### GENETICS, CELL BIOLOGY

Assistant Professor, 1-year appointment, may be renewed. Ph.D. required. Teach genetics, cell biology, and other courses as required. Research opportunities. Write **Dr. James E. Morrow, Head, Department of Biological Sciences, University of Alaska, Fairbanks, Alaska 99701.**

*An Equal Employment Opportunity Employer*

### MEMORIAL UNIVERSITY OF NEWFOUNDLAND DEPARTMENT OF GEOLOGY

Applications are invited for the post of Research Associate (Electron Probe Microanalysis).

**Duties:** Will include routine care, maintenance and supervision of an automated electron probe microanalyser. The appointee will also be required to train microprobe users and assist in the preparation of specimens.

**Qualifications:** An appropriate degree or diploma, preferably an M.Sc. or Ph.D. Experience in electronics, microprobe analytical techniques, and computing procedures would be an advantage.

**Tenure:** Initially for a 2-year period.

**Salary:** To be negotiated, depending on qualifications and experience.

**Application:** Written application stating full personal particulars and details of qualifications and experience together with names and addresses of three referees should be sent to **Dr. K. D. Collerson, Department of Geology, Memorial University of Newfoundland, St. John's, Newfoundland.**

### ORAL BIOLOGY DEPARTMENT HEAD

Applications and nominations are invited for the position of Chairman of the Department of Oral Biology in the Creighton University School of Dentistry. This position is tenable 1 June 1975. Minimal qualifications include the Ph.D. in a Basic Health Science, with experience in Dental or Medical teaching with research and administration commensurate with the position; a D.D.S. degree in addition to the Ph.D. with lesser experience in teaching, research, and administration will be considered.

Please send résumé to:

**Search Committee,**  
Department of Oral Biology  
School of Dentistry  
Creighton University  
Omaha, Nebraska 68131

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## AUSTRALIA Public Service of Victoria MINISTRY FOR CONSERVATION DIRECTOR OF ENVIRONMENTAL STUDIES Ref. No. (Z/02)

**Yearly salary: A\$19,302 (U.S.\$28,663)**

**DUTIES:** To direct the activities of the Environmental Studies Group of the Ministry. To represent the Ministry at policy level in the formulation of integrated environmental studies and in the planning and conduct of those studies.

To plan and implement the actions necessary to coordinate the activities of government departments, universities, and other groups participating in such studies.

To prepare appropriate reports and advice.

To participate in the application of research findings to multi-resource planning for environmental management.

**QUALIFICATIONS:** A higher degree in the physical or biological sciences or in engineering, or equivalent qualifications, and evidence of experience in more than one discipline; proven ability to initiate and supervise an integrated set of interdisciplinary investigations required to understand the resources of a region and the constraints to be exercised in their use and management. The applicant must have had experience or a close relationship with government, university, and industry.

**LOCATION:** The Director will be based in Melbourne, Australia. Provision will be made for payment of at least part of removal and transportation expenses to Melbourne.

Applicants should indicate the earliest date they will be available to commence duty, and, at least three letters of reference and the names of three persons who can substantiate their credentials.

Applications quoting reference No. (Z/02), should be addressed to the **Secretary, Public Service Board of Victoria, State Public Offices, No. 1 Treasury Place, Melbourne, 3002, Australia**, by not later than 9:30 a.m. on Wednesday, 25 September 1974, together with statements of experience and qualifications and date and place of birth.

# DEAN

## COLLEGE OF MEDICINE & DENTISTRY OF NEW JERSEY NEW JERSEY MEDICAL SCHOOL

Nominations and applications are invited for the position of Dean of the College of Medicine & Dentistry of New Jersey—New Jersey Medical School. The responsibilities of the Dean are those of Academic and Administrative Head of the New Jersey Medical School Unit of the College. Qualifications include evidence of strong Administrative Academic ability and leadership.

*Curriculum vitae and nominations should be sent to:*

**Dr. Stuart Cook,**

Chairman of Dean's  
Search Committee



## COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY

NEW JERSEY MEDICAL SCHOOL

100 Bergen Street  
Newark, New Jersey 07103

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Affirmative Action Employer*

## ASSOCIATE DIRECTOR FOR DIABETES, ENDOCRINE, AND METABOLIC DISEASES

The Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, invites applications for the position of Associate Director for Diabetes, Endocrine, and Metabolic Diseases, GS-602-16, salary range \$32,806 to \$36,000 per annum. Duties will include planning and direction of programs of support for research and training in the diagnosis, prevention, and treatment of diabetes mellitus and related endocrine and metabolic diseases. M.D. with Board Certification in Internal Medicine, and extensive experience in basic or clinical investigations in this area mandatory. Must have held position involving program development and direction in this area, and have recognized leadership ability. Must also be a citizen of the United States.

Forward résumé (or Federal Application Form SF-171) no later than 27 September 1974, to: Mrs. June Ardizzohe, Personnel Officer, Bldg. 31, Room 9A-34, National Institute of Arthritis, Metabolism, and Digestive Diseases,

## NATIONAL INSTITUTES OF HEALTH

Public Health Service

Bethesda, Maryland 20014

*An Equal Opportunity Employer M/F*

## TOXICOLOGIST DRUG SAFETY EVALUATION

The Endo Laboratories Department of Toxicology is seeking a qualified Ph.D. with industrial experience for a position as Toxicologist or Senior Toxicologist. The position will involve direct responsibility for all aspects of in-house acute, subacute and chronic toxicity studies of new drug candidates. Applicants should have an active research interest in general toxicology and the ability to communicate research findings quickly and effectively.


You will join a major pharmaceutical company, in our Nassau County, Long Island, New York, headquarters. Convenient to all transportation facilities and easy access to New York City and all its cultural activities.

We offer a challenging opportunity, excellent fringe benefits and salary commensurate with experience and background.

*Please send résumé in confidence to:*

PERSONNEL DEPARTMENT

## Endo Laboratories, Inc.

Subsidiary of 

1000 Stewart Ave., Garden City, N.Y. 11530

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- Whenever you write us about your membership or subscription, please attach a Science address label to assure prompt service.
- Mail to: Membership and Subscription Records, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005.
- ☐ **Change of Address:** Please provide 6 weeks' notice. Paste an address label from a recent issue in the space provided. Print new address below.
- ☐ **Query:** If you have a question, place your address label here and attach this form to your letter.
- **To join or subscribe:** Mail this form with your payment, mark the appropriate boxes, and print your name and address in the space below. (For renewals, attach label.)

### ☐ Membership rates (individual only)

- ☐ \$21 USA ☐ \$26 Canada, PUAS ☐ \$27 Foreign  
☐ \$41 Airlift to Europe, North Africa, Near East

### ☐ Subscriber rates

- ☐ \$40 USA ☐ \$46 Canada, PUAS ☐ \$48 Foreign  
☐ \$60 Airlift to Europe, North Africa, Near East

- ☐ Payment enclosed ☐ Bill me later

Name  Please print

Address

City  State  Zip  MJ08

ATTACH  
LABEL  
HERE

## ASST. RESEARCH DIRECTOR, DERMATOLOGY

Leading manufacturer of cosmetics, toiletries, and pharmaceuticals, situated in the Princeton/Rutgers area, has an excellent opportunity available for Ph.D. Biochemist, Physiologist or Pharmacologist. Position requires five or more years experience in dermatological research on skin structure, function and disease. Some experience in the clinical safety and efficacy testing of toiletries and proprietary drugs is also required. The successful candidate will be responsible for conducting long-term, as well as product-oriented, research now in progress, and initiating new research and new methods development.

If you are qualified and desirous of being an important member of our professional team, please submit résumé indicating salary history and requirements, in strict confidence, to:

MR. CHARLES NEWMAN  
Employment Manager

**CARTER-WALLACE, Inc.**

Cranbury, New Jersey 08512

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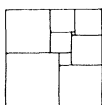


## TECHNICAL DIRECTOR AQUATIC ECOSYSTEMS

The Cyrus Wm. Rice Division of NUS Corporation, a leading scientific and engineering consultant firm in the environmental and energy fields, has an immediate opening for a Technical Director to head up the Aquatic Ecosystems Group.

Qualified candidates must have a minimum of 10 years' experience in aquatic ecology and possess skills in systematics and data evaluation. Supervisory experience of scientific personnel is also required. Responsibilities include the maintenance of high technical standards and quality control in the interpretation of field and laboratory measurements for assessment and incorporation into reports, and the daily supervision of aquatic ecologists. Please submit résumé in confidence to:

Mr. Paul V. Morgan  
Vice President—Ecological  
Sciences Department  
Cyrus Wm. Rice Division



**NUS**  
CORPORATION

Manor Oak Two  
1910 Cochran Road, Pittsburgh, Pa. 15220  
An Equal Opportunity Employer

### POSITIONS OPEN

#### ASSISTANT PROFESSOR

Position available in the Department of Anatomy, University of Michigan Medical School. Candidate should have M.D. or D.D.S. degree, but Ph.D. will be considered. Must have at least 2 years of teaching experience in Gross Anatomy. Research field and interest should be in microcirculation, utilizing intravital and electron microscopy. Some experience in micropuncture and micromanipulation techniques desirable. Code #300FO. Send résumé to **Box 401, SCIENCE, A Nondiscriminatory Affirmative Action Employer.**

#### ASSISTANT PROFESSORSHIP

Starting January or August 1975. Research interests (vertebrate emphasis preferred) in developmental neurophysiology, cellular neurochemistry, transport physiology, or muscle physiology will be considered. Candidates should be interested in teaching an organismic physiology course. Send curriculum vitae and names of three references by 1 October to: **P. J. Megrew, Department of Zoology, University of Iowa, Iowa City, Iowa 52242.**

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#### ASSOCIATE PROFESSOR

Position available in the Department of Anatomy, University of Michigan Medical School. Candidate must have M.D. and Ph.D. degrees and at least 10 years of teaching experience in Gross Anatomy at the freshman level. Research field should be in cytogenetics, mitosis/meiosis, kinetochore-chromosome relationship, and problems related to spermatogenesis, utilizing electron microscope and tissue culture techniques. Code #900BO. Send résumé to **Box 402, SCIENCE, A Nondiscriminatory Affirmative Action Employer.**

**ASSOCIATE PROFESSOR OF GEOLOGY** at the University of Connecticut, with specialty in marine geology and geochemistry, to develop and conduct significant research in marine sedimentology, advise M.S. and Ph.D. degree candidates, and teach undergraduate and graduate courses in geology. Minimum requirements include extensive experience as principal investigator on funded projects, a substantial publication record, and university teaching experience. Starting date is January or September 1975; academic year salary range \$17,000 to \$21,000; headquarters at the Marine Sciences Institute. *The University of Connecticut is an equal opportunity employer.* Send résumé to:

Director, Marine Sciences Institute  
The University of Connecticut  
Groton, Conn. 06340

#### BIOLOGY-BIOCHEMISTRY-ALLIED HEALTH

Faculty positions are available for the opening of the new campus of the University of Texas at San Antonio in the fall of 1975. Applicants are sought in most areas of biology and biochemistry including molecular genetics, cellular immunology, cell biology, neurobiology, biochemistry of membrane function, medical technology, and biology education. Applicants should have postdoctoral experience and must show strong accomplishments or potential in both research and teaching at the graduate and undergraduate levels. Rank and salary dependent upon qualifications and experience. Send curriculum vitae, most significant publications, and names of three references to: **Director, Division of Allied Health and Life Sciences, The University of Texas at San Antonio, 4242 Piedras Drive East, San Antonio, Texas 78285.** *An Equal Opportunity/Affirmative Action Employer.*

#### INDIANA UNIVERSITY, BLOOMINGTON DEPARTMENT OF CHEMISTRY

Men and women highly qualified in synthetic organic chemistry are invited to apply for a position as Assistant Professor in this department. The position will require ability to organize and present effectively courses at both the graduate and undergraduate levels. Moreover, potential candidates are expected to have a solid record of accomplishment in research and to show promise of developing vigorous independent programs of scholarly investigation.

To apply, submit a brief biographical sketch, a publication list, and a short résumé of ideas for the development of teaching and research programs.

*Indiana University is an equal opportunity employer and candidates of all races and ethnic backgrounds are encouraged to apply to:*

E. H. Cordes, Chairman  
Department of Chemistry  
Indiana University  
Bloomington, Indiana 47401

### POSITIONS OPEN

#### UNIVERSITY OF PITTSBURGH CRYSTALLOGRAPHY DEPARTMENT

Applications are invited for a faculty appointment. Preference will be given to applicants with widely recognized achievements in research pertaining to diffraction and its use for the determination of structure at the electronic, atomic, or molecular level. The appointment will be at a rank commensurate with the experience of the successful applicant. Applications should be sent to:

Professor Bryan M. Craven  
Crystallography Department  
University of Pittsburgh  
Pittsburgh, Pa. 15260

*An equal opportunity employer*

#### DIRECTOR, NATIONAL INSTITUTE ON AGING

The National Institutes of Health invites nominations and applications for the position of Director, National Institute on Aging (NIA). This new organization will be the 11th research institute at the National Institutes of Health, Public Health Service. NIA will conduct and support basic and clinical research and research training in biomedical and behavioral sciences related to the aging process and the diseases and other special problems and needs of the aged.

Applicants should have a doctorate in a science or medicine, or both and demonstrated achievement and stature in a relevant biomedical, behavioral, or social discipline. The M.D. degree will not be considered an absolute requirement. In addition, the position requires a high degree of judgment, leadership, and executive ability.

Position in top U.S. Civil Service grade, located in Bethesda, Maryland. Letters of application with curriculum vitae and lists of publications and references should be sent to the Chairman of the Search Committee:

Ronald W. Lamont-Havers, M.D.  
Deputy Director, National Institutes of Health  
Public Health Service  
Building 1, Room 107  
Bethesda, Maryland 20014

Letters must be received by 13 September 1974 to be considered.

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#### FACULTY POSITION

Applications are invited for a position as Assistant Professor of Oncology. Persons who apply for this position should have a specific interest and strong training in the immunogenetics and immunology of spontaneous or viral-, chemical-, or radiation-induced tumors and should be prepared to develop a fundamental research program in one of these areas. Each applicant should submit a curriculum vitae, list of publications, the names and addresses of at least three persons qualified to evaluate the applicant, and a two- to three-page statement of research accomplishments and future objectives. All well-qualified individuals are encouraged to apply. The position will be available 1 February 1975 and should be filled by 1 September 1975. *We are supportive of and committed to a program of affirmative action.* Send applications to: **Dr. Henry C. Pitot, Department of Oncology, McArdle Laboratory for Cancer Research, University of Wisconsin, Madison, Wisconsin 53706.**

#### FACULTY POSITION

Available for a Child Psychiatrist in the Youth Services of the Department of Psychiatry, University of Michigan Medical School. Must be Board-eligible in Child Psychiatry. Responsibilities will include a combination of inpatient, outpatient, and community work, as well as teaching medical students, residents, and child fellows. Demonstrable teaching and research skills important. Professional rank dependent on qualifications and experience. Code #1100HO. Send résumé to **Box 403, SCIENCE.**

*A Nondiscriminatory Affirmative Action Employer*

#### FACULTY POSITIONS—PHARMACOLOGY

Two assistant or associate professors to be appointed by 1 July 1975; (a) one pharmacologist, Ph.D. and/or M.D.; (b) one clinical pharmacologist, M.D. and Ph.D. or equivalent plus specialty qualifications. Salary to be negotiated. Duties include teaching and research. Applications including curriculum vitae and the names of three referees are to be sent to **Dr. M. C. Sutter, Head, Department of Pharmacology, University of British Columbia, Vancouver, Canada, V6T 1W5,** by 1 December 1974.

*An Equal Opportunity Employer, M/F*

## POSITIONS OPEN

### GRANT ADMINISTRATOR

Ph.D. in biology, clinical biochemistry, or health related discipline. Work with science and new medical school faculty in securing public and private funding for research and instructional projects. Some travel to agency offices involved. Experience desirable but not essential. Some teaching available if desired. Salary to \$16,000 depending upon qualifications. Reply **Dr. A. R. Macon, Assistant Vice Provost for Research, Office of Research, University of South Carolina, Columbia, South Carolina 29208.**

### MARINE BIOLOGIST

Position available immediately. Requires M.A. or appropriate experience. Applicants should have strong background in estuarine and marine ecosystems. Fisheries experience preferred. The successful candidate will conduct and coordinate field investigations, literature reviews, and must possess professional writing ability.

Direct inquiries, complete with curriculum vitae, publications, and three letters of recommendation to:

**Dr. Richard Brown**  
Chairman, Department of Water Sciences  
Jack McCormick & Associates, Inc.  
860 Waterloo Road  
Devon, Pennsylvania 19333  
*An Equal Opportunity Employer*

### MEDICAL INFORMATION SYSTEMS LABORATORY (MISL) UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE

A limited number of positions is now available for professional staff and graduate research assistantships.

**MISL** will conduct research in modeling and design of the clinical data base, and in computer applications to clinical data capture and decision-making in ophthalmology. This newly established laboratory, funded by the Department of Health, Education, and Welfare, will collaborate closely with the Department of Ophthalmology, University of Illinois at the Medical Center in Chicago.

Individuals with experience and interest in computer systems and artificial intelligence applications in health care are invited to send résumé and selected publications to:

**Professor Bruce H. McCormick, Head**  
Department of Information Engineering  
University of Illinois at Chicago Circle  
Chicago, Illinois 60680

*An Affirmative Action/Equal Opportunity Employer*

### ORGANIC OR MEDICINAL CHEMIST

Mayo Clinic Gastroenterology Unit seeks versatile, self-directed chemist to synthesize radioactive and unlabeled compounds for its research program concerned with pathophysiology and treatment of digestive disease. An individual is sought with recent postdoctoral experience sufficient to allow design of synthesis, purification, and characterization of novel compounds (for example, bile acids, lipids, peptides, and novel polymers); participation in research planning; instruction of physician trainees. Publications, development of grant-supported research program encouraged. Send curriculum vitae, bibliography, and names of three references to **Box 383, SCIENCE.**

### PHYSICIAN FOR RURAL HEALTH TEACHING

Field professor to instruct students and residents in rural clinics. Would be involved in establishing rural health programs. Salary approximately \$30,000.

**Department of Family & Community Medicine**  
University of Arizona College of Medicine  
Tucson, Arizona 85724

*Equal Opportunity Employer*

### PLANT ECOLOGIST

Full-time staff position for plant ecologist/plant taxonomist in the Ecological Assessment Section of the Biological Sciences Division. Minimum requirements M.S. with 2 years of experience or supplemental education. Thorough knowledge of plant community structure and dynamics essential.

Work includes field examination and evaluation, literature search, and preparation of environmental assessments and impact statements.

Please write detailing education, experience and salary requirements to: **Martin N. Schuler, Midwest Research Institute, 425 Volker Boulevard, Kansas City, Missouri 64110.**

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## POSITIONS OPEN

**POSTDOCTORAL**—Position available in January 1975 for individual with training in neurochemistry or neuropharmacology and experience in enzymology or membrane biochemistry and protein isolation. The research will be on the biochemical effects of narcotic analgesic and on the mechanism by which they modify the release of neurotransmitters. Send curriculum vitae and names, addresses and phone numbers of three references to: **Dr. Jose M. Musacchio, Department of Pharmacology, N.Y.U. Medical Center, 550 First Ave., New York, N.Y. 10016.** *An Equal Opportunity Employer, M/F*

### POSTDOCTORAL POSITION

Immediate opening for person with training in pharmacology and biochemistry to work on mechanism of narcotic actions. Available for 3 years. Salary, \$12,000. Send résumé and reference to:

**Dr. Christina VanderWende**  
Pharmacy Building  
Rutgers-The State University  
New Brunswick, New Jersey 08903

### POSTDOCTORAL POSITION

Manager for an Environmental Protection Agency-sponsored project on "Maximum Utilization of Water Resources in a Planned Community." Duties include: administering overall grant, preparing monthly and annual reports, preparing technical reports for publication, evaluating technical progress of subcontractual work, and directing surface water hydrology sampling and monitoring programs. Applicant *must* have a working knowledge of applied hydrology. Position is available immediately. Salary is commensurate with qualifications. Call **Dr. W. G. Characklis, Department of Environmental Science and Engineering, Rice University, Houston, Texas (713-528-4141).** *Rice University is an equal opportunity/affirmative action employer.*

### POSTDOCTORAL RESEARCH

Position immediately available for individual with training in Molecular Biology, background in Microbial and Phage Genetics and an interest in the role of cyclic nucleotides in regulation in bacteria. Send curriculum vitae and two references to **Seymour Werthamer, M.D., Director, Department of Pathology and Clinical Laboratories, The Methodist Hospital, 506 Sixth St., Brooklyn, N.Y. 11215.**

### POSTDOCTORAL RESEARCH POSITION

A 2-year postdoctoral research position for work related to deposition and retention of radioactive materials on vegetation. This research will involve the utilization of an environmental chamber. Experience in meteorology, radiation physics, or radioecology preferred with the ability to safely handle radioisotopes. Position open immediately. The work will be performed at The National Reactor Testing Station near Idaho Falls, Idaho. The appointment will pay a maximum of \$10,500 for a 9-month period during FY 1975 and a maximum stipend of \$14,000 for 12-month period in FY 1976. Certain additional costs will be allowed. (U.S. citizenship required.) For further information contact **Associated Western Universities, Incorporated, 136 East South Temple, 1005, Salt Lake City, Utah 84111.** *An Equal Opportunity Employer.*

Two **POSTDOCTORAL RESEARCH POSITIONS** available in the areas of (i) experimental dependence on opiates—EEG and behavioral effects of narcotics and narcotic antagonists; and (ii) drug metabolism (strong background in analytical chemistry necessary). Send curriculum vitae and the names of three references to: **Dr. Naim Khazan, Department of Pharmacology and Toxicology, University of Maryland, School of Pharmacy, Baltimore, Md. 21201.**

### POSTDOCTORAL TRAINING IN CARCINOGENESIS RESEARCH

The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences and the Carcinogenesis Program of the Biology Division, Oak Ridge National Laboratory invites applications from recent or prospective graduates with Ph.D., M.D., or D.V.M. degrees for postdoctoral training in carcinogenesis research. Successful applicants will join an integrated, interdisciplinary research program involving pathology, immunology, genetics, virology, organic and analytical chemistry, biochemistry, and biophysics. Openings available immediately. For information and application forms write: **Training Office, The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tennessee 37830.**

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## POSITIONS OPEN

### RADIATION BIOLOGY AND BIOPHYSICS DEPARTMENT OF THE MEDICAL COLLEGE OF WISCONSIN has the following positions open:

**Research Staff** to supervise and direct a study of clinical applications of electron spin resonance. Experience in biological ESR essential.

**Postdoctoral Fellow** in biological applications of ESR; ESR experience is not required.

**Radiation Biologist** to develop clinically related radiobiological research in conjunction with radiation therapy staff.

Please send résumé and three letters of recommendation to **Dr. Harold Swartz, Department of Radiation Biology and Biophysics, Medical College of Wisconsin, 8700 West Wisconsin Avenue, Milwaukee, Wisconsin 53226.**

### RESEARCH ASSOCIATE

Position available immediately. Should have background in tissue culture. Will conduct studies of carcinogen metabolism in tissue and organ cultures derived from human sources. \$14,000 per year. Send curriculum vitae to **Dr. Elroy Cantrell, Pharmacology Section Head, Basic Health Sciences Department, North Texas State University, Denton, Texas 76203. 817/788-2011.**

### RESEARCH MICROBIOLOGIST

The research microbiologist will plan, organize, direct, and coordinate the microbiological research of a commercial-scale controlled environment system for culturing bivalve mollusks. This will involve developing and system for isolating, identifying, enumerating microbes present in the mariculture system and for devising methods for controlling harmful microbes.

Minimum qualifications: Master's degree or equivalent in microbiology; 4 to 7 years of effective research experience.

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Apply to:

**Dr. Kent S. Price**  
University of Delaware  
College of Marine Studies  
Post Office Box 286  
Lewes, Delaware 19958

## FELLOWSHIPS

### POSTDOCTORAL FELLOWSHIPS— NEUROSCIENCES

Postdoctoral Fellowships funded by a private foundation grant to the University of California, San Diego, are available in the general area of the Neurosciences. Deadline for receipt of applications (which should include a complete curriculum vitae together with the names of two referees and a statement of research interests) is 1 November 1974. Fellowships may begin on 1 January 1975, or later. Applications should be sent to: **Chairman, Sloan Postdoctoral Committee, Room 2054, Basic Science Building, University of California, San Diego, Box 109, La Jolla, California 92037.**

Awards will be made without regard to race, religion, sex, or national origin. *The University of California is an Equal Opportunity Employer.*

### RHODES UNIVERSITY GRAHAMSTOWN, 6140 SOUTH AFRICA

#### HUGH KELLY FELLOWSHIP

The Rhodes University Council announces the establishment of the Hugh Kelly Fellowships. The Fellowships are for senior scientists wishing to undertake or continue their research in any of the departments within the Faculty of Science; the first of these Fellowships will become available in 1975. The Faculty comprises the Departments of:—

Botany, Chemistry, Geography, Geology, Mathematical Statistics, Mathematics (Applied, including Computer Science), Mathematics (Pure), Microbiology, Pharmaceutical Sciences, Physics, Psychology, Zoology and Entomology.

Closely associated with a number of these departments are the Leather Industries Research Institute, the Institute for Freshwater Studies and the J. L. B. Smith Institute of Ichthyology.

The Fellowship in 1975 is available for a period of 6 months, which period shall include two academic terms of the University. The emoluments attaching to the Fellowship include an award of R4000 (R1 = approximately 1.5 U.S. dollars) and a tourist class return air fare from the Fellow's place of residence.

The Fellow will be required to present the Hugh Kelly Lecture on a subject of his choice during the tenure of the Award.

Forms of application and further particulars may be obtained from the Registrar, to whom completed applications should be submitted by 31 October 1974.



# The Maturing of American Science

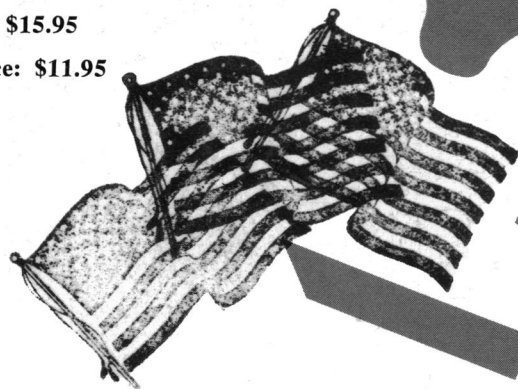
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