

# Personnel Placement

## POSITIONS WANTED

**Analytical Chemist**, Ph.D. 1967, 8 years of industrial experience, optical spectroscopy, inorganic and semiconductor research. Seeks research or teaching position. Box 33, SCIENCE. X

**Anatomy** teaching position with research opportunities desired by Canadian British-trained surgeon, recently visiting assistant professor of anatomy at a Canadian university; with interests in gross anatomy and neurobiological research. Box 12, SCIENCE. X

**Biochemist**, Ph.D. 1962. Extensive academic research experience in nucleic acids, protein synthesis. Publications. Seeks research or teaching position in New York City only. Box 34, SCIENCE. X

**Biologist, Textbook Editor, Free-Lance Writer**. Ph.D. (theoretical biology) 1971. Seeks trade or technical editorial position in nonurban Northeast. Box 35, SCIENCE. X

**Clinical Biochemist**, Ph.D. Member AACC, Board-eligible. Two years postdoctoral in clinical chemistry. Director chemistry university hospital. Responsible for service, also training of residents and medical technologists. Certified by New York state as lab director in clinical chemistry. Seeks challenging position in hospital, private laboratory, or industry. Box 36, SCIENCE. 1/30; 2/6, 13, 20

**Electron Microscopist-Cell Pathologist**, Ph.D. Several years of experience, with publications in animal pathology and drug-toxicity studies. Seeks position in pharmaceutical industry or academic fields. Box 37, SCIENCE. X

**Electrophysiologist-Sensory Systems**. Ph.D. 1974, postdoctoral experience, seeks teaching/research position. Teaching experience and published. Box 38, SCIENCE. X

**Neurobiologist**. Recent Ph.D. desires postdoctoral position. Experience: electron microscopy, fluorescence microscopy, histochemistry, peroxidase tracers, radioactive tracer techniques. Box 39, SCIENCE. X

## POSITIONS OPEN

### BIOLOGY—KENYON COLLEGE

Beginning September 1976 a permanent position will be available primarily to develop and to teach a two-semester course in humanistic biology for nonscience majors. Additional teaching duties include the development and teaching of a course in quantitative population biology and participation in the introductory biology laboratory course. Appointment will be at the assistant professor level with preference given to candidates with proven teaching ability and with 2 to 5 years of experience. Salary range \$11,000 to \$16,000. Inquiries and applications, including three letters of references, should be submitted to **Chairman, Search Committee, Biology Department, Kenyon College, Gambier, Ohio 43022**. *Kenyon College is an Equal Opportunity Employer.*

**ENVIRONMENTAL PHYSICS**. Whitman College is seeking a recent Ph.D. in environmental physics as a sabbatical-leave replacement for the 1976-77 academic year, to teach undergraduate courses in environmental studies and in physics and to supervise a few environmental projects. Send résumé, academic transcripts, and the names of at least three references to: **L. Philip Howland, Chairman, Department of Physics, Whitman College, Walla Walla, Washington 99362**. *Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**ASSISTANT PROFESSOR**. Primary teaching responsibilities in general biology and/or introductory environmental biology. Demonstrated research interests in invertebrate systematics (excluding entomology). Closing date 1 March 1976. Send curriculum vitae, transcripts, and three letters of recommendation to: **Dr. E. C. Powell, Chairman of Search Committee, Department of Zoology, Iowa State University, Ames, Iowa 50011**. *An Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSOR DEVELOPMENTAL/CELL BIOLOGY

The Department of Biology will have an opening at the assistant professor level for a Ph.D. with interests in molecular or genetic aspects of the regulation of development. Teaching duties include an intermediate-level core course in development, major responsibility for one term of the introductory sequence, and participation in a senior bidisciplinary offering. Opportunity to supervise undergraduate honors and independent study and to develop the cell biology area. Salary competitive. Send résumé, description of professional interests, and three letters of reference to: **Dr. David A. Sleeper, Department of Biology, Hobart and William Smith Colleges, Geneva, New York 14456**. *An Equal Opportunity Employer.*

The Johns Hopkins University. A position of **ASSISTANT/ASSOCIATE PROFESSOR OF PHYSIOLOGY** will be available on 1 July 1976 in the Department of Physiology of the School of Medicine. Applicants should be actively engaged in research in physiology at the molecular, cellular, or systems level; teaching assignments are in a course in systems physiology for students of medicine. Applicants are requested to submit curriculum vitae and names of three references at the time application is made. Materials should be addressed to **Dr. Vernon B. Mountcastle, Department of Physiology, The Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, Maryland 21205**. *The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.*

### ASSOCIATE VICE PRESIDENT FOR RESEARCH AND GRADUATE STUDIES

**Memphis State University  
Memphis, Tennessee 38152**

**DUTIES:** (i) administers and coordinates research and grant-supported projects; (ii) assists faculty in negotiating support for research; (iii) provides leadership, administers, and reviews all graduate programs through the doctoral level; (iv) advises vice president concerning budget allocation for research and administers these funds; and (v) advises vice president concerning employment, promotion, tenure, and assignment of graduate faculty and research personnel.

**QUALIFICATIONS:** doctorate, experience in administration of grant-supported activities, demonstrated scholarship, and experience in graduate-level academic programs.

**STARTING DATE:** 1 June or 1 September 1976.

**CONTACT:** **Dr. Jerry N. Boone  
Vice President for  
Academic Affairs  
Memphis State University  
Memphis, Tennessee 38152**

**APPLICATION DEADLINE:** 15 February 1976.

*Equal Opportunity Employer M/F*

**GENERAL BIOLOGY:** Two assistant professor positions available in interdepartmental biological sciences teaching program starting August 1976. Duties will include lecturing in large classes and other assigned duties in multisection introductory biology courses.

Applicants must have Ph.D. in biology or closely related field and prior teaching experience. A broad background in biology, strong interest in undergraduate teaching, and ability to work effectively in a coordinated instructional team are essential. Send curriculum vitae, graduate and undergraduate transcripts, and three letters of recommendation before 1 March to: **Dr. C. F. Lytle, Coordinator, Biological Sciences Program, North Carolina State University, Box 5577, Raleigh, N.C. 27607**.

*An Equal Opportunity/Affirmative Action Employer*

## POSITIONS OPEN

### THE UNIVERSITY OF BRITISH COLUMBIA

The University of British Columbia invites applications and nominations for the position of **DEAN OF THE FACULTY OF AGRICULTURAL SCIENCES**. The appointment will be effective 1 July 1976 or as soon as possible thereafter, and is for a term of 6 years, renewable at the pleasure of the Board of Governors on the recommendation of the President.

The Dean is responsible for giving academic leadership to and administering a faculty with seven departments and 60 full-time faculty members. The departments include Agricultural Economics, Agricultural Mechanics, Animal Science, Food Science, Plant Science, Poultry Science, and Soil Science, and are responsible for the education of about 400 undergraduates and 100 graduate students in both master's and doctoral programs.

The University wishes to receive names of candidates with administrative experience who have established reputations appropriate to the fields of agricultural sciences.

*The University offers Equal Opportunity for employment to qualified male and female candidates.*

Applications or nominations will be treated with confidence and should be sent to:

**Dr. J. K. Stager, Chairman  
President's Selection Committee for the  
Dean of Agricultural Sciences  
Buchanan 130  
The University of British Columbia  
Vancouver, B.C., Canada V6T 1W5**

### DIRECTOR OF CLINICAL TRAINING DEPARTMENT OF PSYCHOLOGY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

The Department of Psychology at Virginia Polytechnic Institute and State University invites applications or nominations for the position of professor of psychology and director of clinical training, effective 1 September 1976. Virginia Tech, located on a 2,300-acre campus between the Blue Ridge and Allegheny mountains, has a current enrollment of 18,400 students. The Department of Psychology consists of 23 full-time faculty positions and offers the Ph.D. in clinical psychology, psychobiology, general psychology, and applied behavioral science. Ph.D. in psychology, demonstrated scholarly and research activity, and an interest in the continued development of an established clinical program is required for this position. Send curriculum vitae to: **Dr. Charles D. Noblin, Chairman, Department of Psychology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061**. *Virginia Tech is an Equal Opportunity/Affirmative Action Employer.*

**EXTENSION SPECIALIST IN WILDLIFE AND FISHERIES**. Development of an educational program on the ecology and management of fish and wildlife resources of Minnesota. Emphasis on forested recreational lands and wetlands, but involves farm ponds, urban wildlife, and vertebrate pest management. Send curriculum vitae, transcript, and three letters of recommendation to: **Dr. Milton W. Weller, Head, Department of Entomology, Fisheries, and Wildlife, University of Minnesota, 219 EntFW, St. Paul, Minn. 55108**, by 1 March 1976. *Equal Opportunity Employer.*

### HUMAN ETHOLOGIST

A position in human ethology is available in the Institute for Child Behavior and Development (75 percent time) and the Department of Educational Psychology (25 percent time) in the College of Education of the University of Illinois at Urbana-Champaign. Candidates should have: (i) research capability and teaching skills that focus on phylogenetic and evolutionary antecedents of human behavior—thus emphasizing the biological bases of human activity at the species level, and (ii) competency in "naturalistic" research methodologies. In addition, the successful candidate should have interest in human development as a subdiscipline. It is also desirable for candidates to have strong interest in the application of ethological knowledge and skills to problems of research and practice in educational settings.

The position is at the assistant professor level and salary is open. Complete curriculum vitae and three letters of recommendation should be sent by 28 February 1976 to:

**Robert L. Sprague, Director  
Institute for Child Behavior and Development  
University of Illinois  
51 Gerty Drive  
Champaign, Illinois 61820**

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

## POSITIONS OPEN

### BIOMEDICAL ANATOMIST

The Department of Biomedical Anatomy of the University of Minnesota School of Medicine at Duluth is seeking a professional anatomist at the assistant professor level who is interested in and capable of teaching human microscopic and gross anatomy. This appointment will begin on or about 1 July 1976. The individual will be expected to teach anatomy to medical and undergraduate science students. Candidates should be capable of establishing or continuing an independent and high-quality research program. To be strongly considered, an applicant should have interests and experience in transmission and scanning electron microscopy. A curriculum vitae and a detailed statement of academic/research interests should be submitted by 15 February 1976 to **T. J. Leppi, Department of Biomedical Anatomy, University of Minnesota School of Medicine, 2205 East 5 Street, Duluth, Minnesota 55812. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.**

### THE UNIVERSITY OF ALBERTA FACULTY OF SCIENCE EDMONTON, ALBERTA

invites the nominations of, or applications from, candidates for the position of **DEAN**, commencing 1 July 1976.

The Faculty of Science is seeking an academic leader for the office of Dean. The position involves overall responsibility for the administration and academic work of the faculty. The University of Alberta has about 20,000 full-time students, and the Faculty of Science, 290 full-time academic staff.

Written nominations or applications for the position, accompanied by a résumé of qualifications and experience, should be forwarded before 1 March 1976 to:

**Dr. Myer Horowitz  
Vice-President (Academic)  
University of Alberta  
Edmonton, Alta., Canada T6G 2J9**

### DIRECTOR OF RADIOTHERAPY UNIVERSITY OF PENNSYLVANIA

The University of Pennsylvania School of Medicine invites nominations and applications for the position of Director of Radiotherapy at the Hospital of the University of Pennsylvania. This position is available immediately. Interested individuals may contact:

**Dr. Richard A. Cooper  
Chairman, Radiotherapy Search Committee  
Hospital of the University of Pennsylvania  
3400 Spruce Street  
Philadelphia, Pennsylvania 19104  
An Equal Opportunity Employer**

**DIRECTOR OF BIOTRON**, University of Wisconsin-Madison. The Graduate School is seeking an established scientist recognized for excellence in biological research to conduct research and direct the nation's outstanding facility for controlled environment research. The facility is jointly supported by the National Science Foundation and the University. Candidate should be at a level of proven research ability that faculty tenure could be offered by an appropriate academic department. Send nomination or résumé to **Professor Jack Hailman, Chairman of Biotron Search Committee, Department of Zoology, University of Wisconsin, Madison, Wisconsin 53706. An Equal Opportunity/Affirmative Action Employer.**

### ECOLOGIST PLANT PHYSIOLOGIST ANIMAL PHYSIOLOGIST

Openings available at the assistant professor level and possibly above. Effective date: September 1976. All three positions involve teaching in beginning courses as well as at the advanced level. Applicants should have a Ph.D. and a strong commitment to research and undergraduate teaching. Ecologist should have strong background in invertebrate and marine biology. Plant physiologist should have botanical background to teach introductory botany and horticulture as well as cell biology and physiology. Prefer animal physiologist with a specialty in either cardiovascular, renal, or respiratory physiology. Should have background to teach general zoology as well as cell, vertebrate, and human physiology. Review of complete credentials will begin 1 March 1976. Qualified candidates should send curriculum vitae, brief outline of research plans, transcripts, and three letters of recommendation to: **Dr. Mary D. Coyne, Chairman, Department of Biological Sciences, Wellesley College, Wellesley, Mass. 02181. An Equal Opportunity/Affirmative Action Employer.**

## POSITIONS OPEN

### DEAN OF ACADEMIC AFFAIRS

The Southern California College of Optometry, Fullerton, California, a private, nonprofit, fully accredited institution, trains optometric technicians and doctors of optometry. The College has a student body of 400 and a faculty of 40 FTE. The Dean of Academic Affairs is responsible to the President and has under his direction the Departments of Basic and Visual Science, Optometry, and Clinics.

Experience in administration of educational programs, health delivery systems, a background in clinical practice and patient care, concern with excellence in teaching and research, and a farseeing approach to the future of the health care are desirable qualifications. Salary will be dependent upon qualifications.

Information about the College and the position will be sent upon request.

Nominations and curriculum vitae should be sent to:

**James R. Gregg, O.D.  
Southern California College of Optometry  
2001 Associated Road  
Fullerton, California 92631  
An Equal Opportunity/Affirmative Action Employer**

### UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG, SOUTH AFRICA BERNARD PRICE INSTITUTE FOR PALAEONTOLOGICAL RESEARCH DIRECTOR

Applications are invited for appointment to the above post of Director and professor of paleontology.

Applicants should have extensive research experience in paleontology, particularly as it relates to sedimentology and other appropriate earth science disciplines. A background in biology will also be prerequisite.

The Director would be expected to pursue research in his own field and in addition to exercise general supervision over a balanced program of research covering the main interests of the Institute.

Salary will be within the range R10,800 to R13,800.

*The University's policy is not to discriminate in the appointment of staff or the selection of students on the grounds of sex, race, religion, or color.* Further particulars relating to this practice are included in the information sheet relating to this post which is obtainable from the Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, 2001, South Africa, with whom applications should be lodged by 15 March 1976.

### LAKE ONTARIO ENVIRONMENTAL LABORATORY SUNY COLLEGE AT OSWEGO

Seeks new **DIRECTOR** to supervise research, manage budgets, procure research contracts, and further develop the multidisciplinary environmental laboratory. Candidates must have Ph.D. with strong background in natural sciences, emphasizing water resource problems and research methodology; minimum of 2 years of experience in administration; college teaching experience desirable; demonstrated scholarship and grantsmanship. Competitive salary, extensive fringe benefits. *Affirmative Action Employer.* Closing date: 15 March.

Send curriculum vitae and names of three references, or write for additional information, to:

**LOTEL Director Search Committee  
501 Calkin Hall  
SUNY College at Oswego  
Oswego, New York 13126  
Telephone: 315-341-4077**

### IMMUNOLOGIST NEEDED

The Plum Island Animal Disease Center of the USDA's Agricultural Research Service has an immediate opening for a research immunologist at Grades GS-12, 13, or 14 (\$19,386 to \$34,916 annually). The incumbent will conduct research on cell-mediated immunity to foot-and-mouth disease and/or other exotic diseases of livestock. The position requires experience or training at the doctorate level in microbiology (preferably virology), biochemistry, and immunology. Applicants must have demonstrated experience and competence in research on cell-mediated immunity. *U.S. citizens only will be considered without regard to race, color, religion, sex, age, or national origin.* Apply to:

**Plum Island Animal Disease Center  
P.O. Box 848  
Greenport, New York 11944  
Attention: Personnel Officer**

## POSITIONS OPEN

**ENTOMOLOGIST**, with background in ecology and/or pest management, dedicated to an active program of teaching and research. Opening anticipated fall 1976; deadline for applications 1 April 1976. Ph.D. required. Rank and salary open. Send curriculum vitae, reprints, and three letters of recommendation to: **Howard E. Evans, Chairman, Search Committee, Department of Zoology and Entomology, Colorado State University, Fort Collins, Colorado 80523. Colorado State University is an Equal Opportunity Employer.**

### INDIANA UNIVERSITY DEPARTMENT OF PATHOLOGY

Seeks to fill a full-time **FACULTY POSITION**, academic rank and salary dependent on qualifications and experience. Candidates should expect to engage in the teaching of medical students and house staff, selected service responsibilities, and independent research. Research and clinical facilities are excellent.

Letters of inquiry and curriculum vitae should be addressed to the **Chairman, Department of Pathology, Indiana University School of Medicine, Indianapolis, Indiana 46202.**

*Indiana University is an Equal Opportunity/Affirmative Action Employer.*

**FISHERY BIOLOGIST/MANAGER**: Ph.D. required in fishery biology or related field, management experience desired. Teaching, research, and continued development of undergraduate and graduate programs in freshwater fisheries. Rank and salary open. Twelve-month appointment. Send curriculum vitae, reprints of publications, transcripts, and three letters of recommendation to **S. J. Harbo, Chairman, Wildlife and Fisheries Program, University of Alaska, Fairbanks, Alaska 99701.** Closing date 15 February 1976.

*Affirmative Action/Equal Opportunity Employer*

**DEPARTMENT HEAD** for the following vacant chair:

### DEPARTMENT OF BIOCHEMISTRY

A major private urban medical center in New York City seeks candidates for the above position who have wide recognition in their field and a capacity for academic leadership in education and research. This position carries significant administrative responsibilities. Candidates should submit a curriculum vitae and a bibliography to **Box 40, SCIENCE.**

*An Equal Opportunity/Affirmative Action Employer M/F*

### HUMAN ANATOMY AND PHYSIOLOGY

Assistant professor, starting September 1976. Primary duties will be teaching human anatomy and physiology for majors and nonmajors at the undergraduate level. Ph.D. and experience with human cadavers required. Must have strong interest in teaching; research activity encouraged. Application deadline 15 February. Submit résumé and three letters of recommendation to **Dr. F. D. McCarthy, Department of Biological Science, California State College, Dominguez Hills, Calif. 90747. An Affirmative Action Employer.**

### POSTDOCTORAL RESEARCH POSITION IN REPRODUCTIVE BIOCHEMISTRY

To study the biochemical mechanisms underlying the development of sperm motility in the mammalian epididymis. Prefer strong background in biochemistry with emphasis on either cyclic nucleotide research, membrane function, or cellular contractility. Available 1 April 1976. Position available for 3 years; starting salary \$10,000 to \$11,000 per year. Send curriculum vitae and three letters of recommendation to **Dr. Dale Hoskins, Oregon Regional Primate Research Center, 505 NW 185 Street, Beaverton, Oregon 97005. An Equal Opportunity/Affirmative Action Employer.**

**RESEARCH ASSISTANT** with experience in tissue culture. Responsible position. M.S. or equivalent, research experience desirable. Work will also include molecular biology. Seek individual who can carry out some independent research. Laboratory is located in northern New York City suburb. Salary approximately \$14,000, depending upon experience.

Write to **Liebe F. Cavallieri, Ph.D., Sloan-Kettering Institute for Cancer Research, 145 Boston Post Road, Rye, New York 10580. An Equal Opportunity Employer.**

## POSITIONS OPEN

### HYDROLOGIST

Candidate to have major interest in chemical environmental tracers in streams, lakes, and groundwater. Significant graduate training in analytical chemistry and hydrology required. Candidates to have Ph.D. degree at time of appointment which will be at the assistant professor level. Send résumé to **Professor Stanley N. Davis, Head, Department of Hydrology and Water Resources, University of Arizona, Tucson, Arizona 85721. An Equal Opportunity, Affirmative Action Employer.** The University of Arizona is required by Title IX of the Educational Amendments of 1972, and implementing regulations, not to discriminate on the basis of sex in any educational program or activity, including admissions and employment.

### IMMUNOGENETICIST SCHOOL OF LIFE SCIENCES UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Applications are invited for a faculty position at either the junior or senior level in the area of immunogenetics in the School of Life Sciences. Postdoctoral training and/or previous research-teaching experience is required. Applicants must demonstrate potential for developing or continuing a vigorous independent program of high quality research and graduate training. Teaching opportunities are available at both the graduate and undergraduate levels. Interested applicants should submit a curriculum vitae, bibliography, and a statement describing research and teaching interests. Applicants should accept the responsibility to solicit three or more letters of reference to be sent to: **Dr. Edward W. Voss, Jr., Chairman, Immunogenetics Search Committee, Department of Microbiology, 131 Burrill Hall, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801.**

*The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.*

The Department of Pathology of the University of Alabama in Birmingham has openings for faculty at the **INSTRUCTOR AND ASSISTANT PROFESSOR** level. Applicants should have an M.D. degree and be certified by the American Board of Pathology in anatomical or clinical pathology. Research experience is desirable, especially in cancer, cardiovascular disease, surgical pathology, or clinical chemistry. Applicants are requested to send a curriculum vitae including all training and publications to: **Chairman, Department of Pathology, University of Alabama in Birmingham, Birmingham, Alabama 35294.**

### MARINE BIOLOGISTS

Applications are invited from persons with advanced degrees in marine biological sciences and 2 to 5 years of experience to fill two staff positions in an ecological survey of the central California coast. Only those persons with familiarity of intertidal and subtidal Pacific coast flora and fauna, scuba certification, and expertise in a marine taxonomic group need apply. Interested applicants should submit résumé and three letters of recommendation to **Box 41, SCIENCE. Code 66T.**

**PLANT BIOCHEMIST/PHYSIOLOGIST:** Postdoctoral research associate sought to work on the biochemical regulation of carbon metabolism during photosynthesis using isolated chloroplasts. Candidate needs strong biochemical background. Salary \$10,000, duration at least 2 years. Send résumé and three letters of reference to **Dr. Richard G. Jensen, Department of Chemistry, University of Arizona, Tucson, Arizona 85721. Equal Opportunity/Affirmative Action Employer.** In compliance with Title IX regulations, the University of Arizona does not discriminate in employment or admission on the basis of sex.

### RESEARCH SERVICE AWARDS

Postdoctoral Research Service Awards from the National Institute of Dental Research are available in nutrition emphasizing problems dealing with development and/or connective tissue metabolism. Candidates should be U.S. citizens or residents and hold an M.D., D.D.S., D.V.M., or Ph.D. in a biological science field. Stipends start at \$12,500. Opportunity is provided for further academic training in nutrition. Send résumés or inquiry to **Dr. L. S. Hurley or Dr. R. B. Rucker, Department of Nutrition, University of California, Davis, California 95616. An Equal Opportunity Employer.**

## POSITIONS OPEN

### UNIVERSITY OF MICHIGAN DEPARTMENT OF SURGERY ASSISTANT PROFESSOR

Candidate must be a fully trained pediatric surgeon with Board-eligibility or Board-certification in pediatric surgery with background and interests in teaching and research. Code #200F0. Send résumé to **Box 43, SCIENCE. A Nondiscriminatory, Affirmative Action Employer.**

### UNIVERSITY OF MICHIGAN DEPARTMENT OF RADIOLOGY INSTRUCTORS

There are three (3) positions open in the Department of Radiology for instructors. The physician will take part in the programs of patient care, teaching, and research carried on in the Department of Radiology. Two of these positions are open in the Angiography Section and one position is open in the Neuroradiology Section. He or she will supervise the activities of the resident staff and aid in teaching of residents and medical students. Board-eligible or Board-certified. Code Nos. 300H0, 700H0, 2000H0. Send résumé to **Box 42, SCIENCE. A Nondiscriminatory, Affirmative Action Employer.**

### UNIVERSITY OF MICHIGAN DEPARTMENT OF RADIOLOGY INSTRUCTOR, ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, OR PROFESSOR

There are three (3) positions open in the Department of Radiology. Candidate must be Board-eligible or Board-certified. Entering level commensurate with qualifications and experience.

The physician will take part in the programs of patient care, teaching, and research carried on in the department. He or she will supervise the activities of the resident staff and aid in teaching of residents and medical students. Code Nos. 800B0, 1000H0, 2600H0. Send résumé to **Box 44, SCIENCE. A Nondiscriminatory, Affirmative Action Employer.**

**POSTDOCTORAL POSITION.** Research on bioassay and immunoassay of lysozyme enzymes. Experience in protein chemistry and enzymology preferred. Stipend \$12,000 plus fringe benefits. Send résumé and three letters of reference to: **Dr. John Albers, Department of Medicine, University of Washington, Harborview Medical Center, 325 9th Avenue, Seattle, Wash. 98104. An Affirmative Action/Equal Opportunity Employer.**

### PRE- AND POSTDOCTORAL POSITIONS

in oncology, immunology, microbiology, molecular, and cellular biology. Available: July to September 1976. Prerequisites: U.S. citizen, B-plus average, high GRE scores, and publications (Ph.D.'s only). Inquiries to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

The Department of Physics at Kansas State University has been given the option of filling the previously advertised **VISITING SENIOR FACULTY POSITION** on a permanent basis at the rank of **PROFESSOR**. Any person chosen to fill this position should have considerable experience in theoretical physics in one or more of the research areas previously indicated in the advertisement in *Physics Today*, December 1975 and January 1976. In addition, it will be required that the person have considerable experience in teaching at both the undergraduate and graduate level. The Department of Physics reserves the right to offer an appointment for this position either on a regular or visiting basis. All applicants for this position as previously advertised will be considered on the basis of a regular or visiting appointment. *Kansas State University is an Affirmative Action/Equal Opportunity Employer.* Interested persons should send a brief résumé of professional and academic experience before 15 February 1976 to **Professor C. E. Hathaway, Department of Physics, Kansas State University, Manhattan, Kansas 66506.**

**RESEARCH ASSOCIATE.** Postdoctoral position for cell biologist/electron microscopist available immediately. Research on muscle receptors. Reply to **Dr. William R. Kennedy, Box 187, Mayo Building, University of Minnesota, Minneapolis, Minnesota 55455.**

*Equal Opportunity Employer*

## POSITIONS OPEN

### DEPARTMENT OF RADIOLOGY SCHOOL OF MEDICINE UNIVERSITY OF CALIFORNIA, SAN DIEGO

is seeking a **RADIOLOGICAL PHYSICIST** to supervise physics activities in radiation oncology at two hospitals. Must have experience in computer treatment planning, calibration of linear accelerators, and procedures for monitoring leakage radiation from high-intensity radioactive sources. Position requires a person capable of fulfilling the clinical needs and interested in doing research in physics appropriate to the problems of radiation therapy. This position carries with it a full-time faculty appointment. Rank and salary appropriate to experience and publications.

*The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.*

Send curriculum vitae and bibliography along with first inquiry to:

**Norman A. Baily, Ph.D., Professor of Radiology  
Chief, Division of Radiological Physics and Engineering  
University of California, San Diego  
School of Medicine, Department of Radiology M-010  
La Jolla, California 92093**

**RESEARCH ASSOCIATE POSITION:** Regulatory enzymes involved in cyclic AMP and Ca<sup>2+</sup> metabolisms and functions. Stipend up to \$13,000 per year. Applicants with M.D. or Ph.D. in biochemistry should send curriculum vitae and two names of references to **Dr. J. H. Wang, Department of Biochemistry, Faculty of Medicine, University of Manitoba, Winnipeg, R3E 0W3, Canada.**

An opening for the position of **RESEARCH ASSISTANT PROFESSOR OF MICROBIOLOGY** is available in the Department of Microbiology of the Graduate School of Public Health. The appointee will participate in teaching and advising graduate students and in research in medical bacteriology and hospital-related infections. Applicants should have had the appropriate training and research experience. Send curriculum vitae, reprints, and three letters of recommendation to: **Dr. R. B. Yee, 428 Parran Hall, University of Pittsburgh, Pittsburgh, Pennsylvania 15261. An Equal Opportunity/Affirmative Action Employer.**

### YORK UNIVERSITY INVITES NOMINATIONS AND APPLICATIONS FOR THE POSITION OF DEAN OF THE FACULTY OF ENVIRONMENTAL STUDIES, EFFECTIVE JULY 1, 1976

In recent years, there has developed a global awareness of the interdependency of man and his environments, both natural and man-made. The complexity of this interdependence, whether considered for its own sake or as a step toward policy making and intervention, demands a realignment of traditional professions and disciplines concerned with the environment. In response to these needs, the Faculty of Environmental Studies offers individualized graduate programmes within a trans-disciplinary framework which lead to the degree Master in Environmental Studies.

The Faculty now consists of 38 full and part-time members and 250 graduate students. York University is searching for a Dean to exercise academic, administrative and professional leadership.

Written applications or nominations should be accompanied by a resume of qualifications and addressed to:

**Professor W. Found, Chairman,  
Presidential Search Committee,  
Department of Geography,  
York University,  
4700 Keele Street,  
Downsview, Ontario, Canada**

## POSITIONS OPEN

### ENVIRONMENTAL BIOLOGIST

In physiological or population/quantitative area. Teaching general and advanced courses in specialty plus participation in general biology; research expected. Assistant professor with Ph.D.; temporary lecturer with degree essentially complete. Position available August 1976. Applications accepted until 20 March. Send curriculum vitae, letter statement of 5-year objectives, transcripts, and three references to: **Environmental Search Committee, Department of Biology, Indiana University-Purdue University at Indianapolis, Indianapolis, Indiana 46205. An Affirmative Action/Equal Opportunity Employer.**

**PHOTOGRAPHY—ENVIRONMENTAL SCIENCE.** Develop new program, teaching basic photography skills, photogrammetry, specialized environmental applications. Candidates should have strong academic background in science, professional training in photography, experience in, for example, forestry, environmental planning, wildlife, biological research involving photography. Minimum: master's degree. Start August 1976. **LAB TECHNICIAN.** Supervise college laboratories; photo, audio-visual equipment; darkroom. Bachelor's in science required. \$8000, 12 months. Apply for both positions to: **Dean, Unity College, Unity, Maine 04988. Equal Opportunity.**

### RESEARCH SCIENTIST

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
- Radioimmunochemistry
- Oncogenic virology-Cell biology
- Mouse genetics
- Lipid biochemistry
- Analytical tobacco 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

*Equal Opportunity Employer, Male/Female*

### RESEARCH VETERINARY MEDICAL OFFICER

Career Federal Service. Two positions, one chief of the Virological Laboratory, the other chief of the Physiopathological Laboratory, National Animal Disease Center (NADC), Ames, Iowa. Chief of the Virological Laboratory is responsible for all phases of research associated with virological diseases at NADC, including organizing research teams, furnishing leadership, reviewing research in progress, evaluating completed research, and publishing the progress of the research. Chief of the Physiopathological Laboratory selects, plans, designs, directs, and conducts research in the broad areas of basic and applied research of the physiology of normal animals as well as the abnormal physiology associated with diseases of livestock and poultry. Applicants for both positions must have ability to develop innovative techniques and new instruments to acquire specific information in these areas of research. Applicants must have a D.V.M. degree and a minimum of 3 years of research experience. Salary range is \$31,522 to \$37,800. *Equal Opportunity Employer.* Mrs. Mary L. Dickson, U.S. Department of Agriculture, Agricultural Research Service, 2000 W. Pioneer Parkway, Peoria, Illinois 61614. Telephone: 309-671-7132.

**VERTEBRATE ZOOLOGIST.** The Department of Zoology, University of Maine at Orono, invites applications for the position of assistant professor of zoology to begin 1 September 1976. Salary dependent upon qualifications. Ph.D. required. Preference given to experienced applicants. Teaching responsibilities in undergraduate vertebrate biology course and higher-level courses in ornithology and mammalogy. Develop active research program on birds or mammals, preferably aquatic. Send credentials, reprints, and three letters of reference to: **Dr. Franklin L. Roberts, Chairman, Department of Zoology, University of Maine, Orono, Maine 04473.** Deadline for receipt of applications 1 March 1976. *An Affirmative Action/Equal Opportunity Employer.*

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**RESEARCH ASSOCIATE.** Petroleum hydrocarbons in marine ecosystems. Supervise sampling. Train and direct technical personnel. Fiscal responsibility. Conduct independent research. Ph.D. in chemistry, chemical oceanography. Experience: chemical analyses of petroleum hydrocarbons in biological and geological samples. Send résumé to **J. Griffin, Graduate School of Oceanography, University of Rhode Island, Kingston, R.I. 02881. An Equal Opportunity/Affirmative Action Employer.**

### BOTANY DEPARTMENT SOUTHERN ILLINOIS UNIVERSITY CARBONDALE, ILLINOIS VASCULAR PLANT MORPHOLOGIST/ANATOMIST

Applications are invited for a faculty position beginning August 1976. Salary and rank open. Applicants must have Ph.D. and be committed to undergraduate and graduate instruction and establishment of independent research in area of specialty. Send curriculum vitae and names of at least three references before 15 March 1976 to **Dr. R. H. Mohlenbrock, Chairman, Department of Botany, Southern Illinois University, Carbondale, Illinois 62901. Southern Illinois University, Carbondale, is an Equal Opportunity/Affirmative Action Employer.**

## FELLOWSHIPS

### POSTDOCTORAL FELLOWSHIPS IN BIOCHEMISTRY AND DERMATOLOGICAL RESEARCH

Three postdoctoral fellowships are available beginning July 1976 for research in the Dermatological Research Laboratories of the Department of Medicine at Duke University Medical Center. The National Research Service fellowships pay \$10,000 to \$13,200 per year depending on experience and training.

Major areas of research (and faculty) include:

- Collagen structure and its enzymatic modifications and cross-linking in genetic and acquired diseases (Dr. Sheldon Pinnell).

- Lysosomal and nonlysosomal proteinases in catabolic processes; their purification, characterization, and role in inflammation (Dr. Gerald Lazarus).

- Keratin structure and posttranslational modification; keratin synthesis in genetic diseases and in malnutrition (Dr. Lowell Goldsmith).

Postdoctoral candidates who are U.S. citizens or permanent residents are invited to send a complete curriculum vitae with detailed research experience, background, field of interest, and date available to:

**Dr. Lowell A. Goldsmith**  
Director, Research Fellowship Program  
Box 3030 Hospital  
Duke University Medical Center  
Durham, North Carolina 27710

### PREDOCTORAL FELLOWSHIPS IN PHYSIOLOGY

**WHO?** Are you an above average biology, physics, chemistry, mathematics, or engineering major (U.S. citizen)?

**WHAT?** Interested in the function of the heart, blood vessels, hormones, kidney, immune system, or nervous system?

**HOW?** A limited number of stipends with tuition are available for a low student-adviser ratio training program in physiology.

**INTERESTED?** Write to **Graduate Program Director, Department of Physiology, Loyola University, Stritch School of Medicine, 2160 South First Avenue, Maywood, Illinois 60153.**

### POSTDOCTORAL FELLOWSHIPS BEGINNING SUMMER 1976

University of California, Irvine. Several positions available for postdoctoral fellows, beginning summer 1976, in the Center for Pathobiology. Recent Ph.D. required, preferably in the area of cell biology, developmental biology, or genetics. Candidates to work on problems of pattern formation, determination, or morphogenesis in hydra (with Drs. R. D. Campbell or H. R. Bode), *Drosophila* (with Drs. P. J. Bryant or H. A. Schneiderman), or amphibian appendages (with Dr. S. V. Bryant). *Applications from all qualified candidates are welcome: minorities and women are encouraged to apply.* Send résumé, the names of three referees, and a brief description of research interests to: **Dr. S. V. Bryant, Center for Pathobiology, University of California, Irvine, Irvine, California 92717.** Closing date for applications: 7 March 1976.

## FELLOWSHIPS

### FELLOWSHIPS

Postdoctoral research fellowships in cardiovascular, endocrine, and renal physiology. Candidates must have M.D. or Ph.D. degree and be U.S. citizens. Applicants should send curriculum vitae and names of three references to **Chairman, Department of Physiology, Dartmouth Medical School, Hanover, New Hampshire 03755.**

**POSTDOCTORAL FELLOWSHIPS IN NEUROBIOLOGY:** Open to holders of Ph.D., M.D., D.Sc. Stipends (depending on experience) \$11,000 to \$16,000. Available preceptors: Drs. Wayne Albers, Gilbert Ashwell, Roscoe Brady, Harold Gainer, Helen Hess, William Jakoby, Phillip Nelson, Marshall Nirenberg, Sean O'Reilly, Thomas Reese, Henry De. F. Webster. Send curriculum vitae and names of three referees to:

**Dr. Sean O'Reilly**  
George Washington University Medical Center  
2150 Pennsylvania Avenue, NW  
Washington, D.C. 20037

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For information and application form, write to:

**Dr. Eve L. MacDonald**  
Director, Wilson College Institute  
for Electron Microscopy  
Chambersburg, Pa. 17201

## COURSES

### DEVELOPMENTAL REGULATION OF GENE EXPRESSION MARINE BIOLOGICAL LABORATORY WOODS HOLE, MASS. 02543

The **EMBRYOLOGY COURSE** of the Laboratory, centering on the above topic, will run from 21 June to 27 August. Instructors include David Epel (University of California, San Diego), Tom Humphreys (University of Hawaii), Barbara Hamkalo (University of California, Irvine), Laurence Kedes (Stanford University Medical School), and Joan Ruderman (Massachusetts Institute of Technology). Applicants should be advanced graduate students or postdoctoral investigators interested in gene regulation of eukaryotic cells. Applications and further information can be obtained by writing to the **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543.** Deadline for receipt of applications is 1 March. *Marine Biological Laboratory admits students of any race, color, and national or ethnic origin.*

## GRADUATE STUDY

### GRADUATE STUDY IN PHYSIOLOGY UNIVERSITY OF KANSAS MEDICAL CENTER

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

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## free university amsterdam

The Department of Physics and Astrophysics of the Free University, Amsterdam, has a vacancy for a

### professor in (experimental) physics

An experimental physicist is required with experience in the field of intermediate energy physics and with interest in its theoretical aspects.

The person to be appointed is expected to cooperate with the present scientific staff of the Experimental Nuclear Physics Section in leading the current research of the laboratory, concentrated very much around the available AVF-cyclotron (maximal proton energy 30 MeV). He is, in particular, expected to contribute to a development of research in intermediate energy physics of this group to be conducted with the 500 MeV linear electron accelerator under construction at the I.K.O., Amsterdam.

In due course he will have to take part in the education provided by the Department of Physics and Astrophysics, which will involve both lectures to and the supervision of students undertaking research projects in the section.

The University hopes to find a candidate who can agree with the Christian aim and objective of the University.

Interested persons or those wishing to recommend others for the post should contact the secretary of the appointing committee, Prof. Dr. H. Verheul, Natuurkundig Laboratorium der Vrije Universiteit, De Boelelaan 1081, Amsterdam-Buitenveldert, The Netherlands (tel. 020-548 24 69).

Applicants are requested to submit a curriculum vitae and a list of publications together with their application to the secretary of the appointing committee not later than March 1, 1976 mentioning vacancy number 311-3045.



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\*See p. 10, *Scientific American*, Sept. 1975, on Bach fugues in the darkroom and how they helped make color photography practical.