might never be the same again,” and “... the Defense Department declared that it could not guarantee national security during the conversion period.” Nonetheless, if the unions mount a more effective lobbying effort than hitherto, they may succeed in stimulating the public discussion that has been lacking so far.—CONSTANCE HOLDEN

APPOINTMENTS

Herman Postma, director, thermonuclear division, Oak Ridge National Laboratory, to director of the laboratory. . . . Sidney Udenfriend, director, Roche Institute of Molecular Biology, appointed also to vice president, Hoffmann-La Roche, Inc. . . . Leslie A. Gieddes, professor of physiology, Baylor College of Medicine, to director, Biomedical Engineering Center, Purdue University. . . . Robert Q. Marston, former director, National Institutes of Health, to president, University of Florida. . . . John T. Bernhard, president, Western Illinois University, to president, Western Michigan University. . . . Robert J. Slater, president, Foundation for Child Development, to president, Medical College of Pennsylvania. . . . William J. Moore, dean of instruction, San Bernardino Valley College, to vice president for academic affairs, University of Redlands. . . . Milton Greenberg, dean of faculties, Roosevelt University, to vice president for academic affairs at the university. . . . Robert C. Judd, former professor of operations analysis, University of Toledo, to vice president for academic affairs, Dyke College. . . . John E. Jones, professor of medicine, West Virginia University, to dean, School of Medicine at the university. . . . Erwin C. Hausmann, chairman, electronic engineering department, Northrup Institute of Technology, to dean, College of Engineering at the institute. . . . James R. Neal, former associate dean, School of Education, Northwestern University, to dean, School of Education, Tuskegee Institute. . . . James A. Rutledge, associate dean, Graduate School, University of Nebraska, to dean, Graduate School, Northern Illinois University. . . . John Barson, associate dean, College of Osteopathic Medicine, Michigan State University, to dean, Oklahoma College of Osteopathic Medicine and Surgery. . . . Vernon J. Shiner, professor of chemistry, Indiana State University, to dean, College of Arts and Sciences at the university. . . . Milton E. Lipetz, professor of psychology, University of Colorado, to dean, Graduate School at the university. . . . Donald S. Blough, professor of psychology, Brown University, to chairman, psychology department at the university. . . . David T. Rowlands, professor of pathology, University of Pennsylvania School of Medicine, to chairman, pathology department at the school of medicine. . . . Robert Michels, associate professor of psychiatry, College of Physicians and Surgeons, Columbia University, to chairman, psychiatry department, Cornell University Medical College. . . . John J. Spitzer, professor of physiology, Hahnemann Medical College, to chairman, physiology department, Louisiana State University Medical Center. . . . Wilbur B. Davenport, Jr., director, Center for Advanced Engineering Study, Massachusetts Institute of Technology, to chairman, electrical engineering department at the institute. . . . Robert B. Blizzard, acting chairman, pediatrics department, Johns Hopkins University School of Medicine, to chairman, pediatrics department, University of Virginia School of Medicine. . . . Stephen J. Ryan, associate professor of ophthalmology, Johns Hopkins University School of Medicine, to chairman, ophthalmology department, University of Southern California School of Medicine. . . . William N. Spellacy, professor of obstetrics and gynecology, University of Miami, to chairman, obstetrics and gynecology department, University of Florida College of Medicine. . . . Donald J. Birmingham, professor of dermatology, School of Medicine, Wayne State University, to chairman, dermatology and syphilology departments at the university. . . . Darrell R. Williams, professor of electrical engineering, University of Houston, to chairman, electrical engineering department, Illinois Institute of Technology. . . . W. Maxwell Cowan, chairman, anatomy department, Washington University School of Medicine, to chairman, anatomy and physiology departments, Stanford University School of Medicine.

Erratum: In “Excitability changes in cat lateral geniculate cells during saccadic eye movements,” by H. Noda and W. R. Adey (February 8, page 543), line 14, column 1, page 544, is in error. The sentence beginning at the end of line 12 of that column, and the following sentence, should read: “Cells showing this type of sustained response are designated S-units (9). They do not show transient response to saccades.”

SCIENCE, VOL. 184
**POSITIONS WANTED**


Pharmacologist. Ph.D. Have worked in industry and more recently have taught in a medical school. Would like to go back into a drug screening and evaluation program, either in industry or a university. Consider myself versatile in several areas. Send curriculum vitae to: Chairman of the Department of Pharmacology, Box 171, SCIENCE.

**POSITIONS OPEN**

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Position at Stanford University in ENGINEERING DESIGN—1976. The position requires the ability and desire to relate to students and develop undergraduate courses in areas pertinent to design. Candidates must also have a demonstrated interest in Ph.D. level research. The area of specialization should be related to the design of: systems, machines or machine systems, or socio-technological systems. Some experience in practical design work and research experience is desirable. Box 172, SCIENCE. 4/5, 5/3

**BIOGEN ONIC CHEMIST**

A faculty position is available in a Graduate School associated with a medical center in the New York City metropolitan area. The appointment is in the Biochemical Sciences Department and involves teaching physical and organic chemistry, but a joint appointment in a medical school preclinical basic science department is of a non-specialized type. The appointment is open to candidates with a Ph.D. degree in Biochemistry, Biochemical Genetics, or related fields. The position offers opportunities for research in a field of organic chemistry related to the life sciences. Candidates should submit a complete curriculum vitae and the names of three references to Dr. Stanley W. Saitaera, Director of Graduate Program, Physical and Organic Chemistry, Downstate Medical Center, Box 4, 650 Clarkson Avenue, Brooklyn, New York 11203.

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**CHAIRMAN, DEPARTMENT OF ENVIRONMENTAL SCIENCES**

Applications are invited from persons with a distinguished record of accomplishment in teaching and research in toxicology, sanitary science, or occupational health. Position available July 1974. Applications and nominations considered without regard to race, sex, or national origin. Please submit to:

Environmental Health Science Committee
Room 3039
The Johns Hopkins University
School of Hygiene and Public Health
615 North Wolfe Street
Baltimore, Maryland 21205

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**DEVELOPMENTAL BIOLOGY**

One or more openings, Assistant Professor, Zoology. Duties include management of General Biology labs, participation in graduate teaching, and establishment of a research program. Submit complete application including three letters of recommendation to: Professor Lloyd D. Shaffer, Department of Zoology, University of Minnesota, Minneapolis, Minn. 55455.

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**THE UNIVERSITY OF MELBOURNE**

Junior Research Fellow in Marine Bacteriology

Westernport Environmental Study in the School of Microbiology

Applications are invited for this position. Qualifications:

The successful applicant should have had research experience in Marine Bacteriology and be capable of independent research. Applications should include the names of at least two referees.

**DUTIES**

The Westernport Environmental Survey is co-ordinating a study of the biota of Westernport Bay. The aim of this study is to provide information upon which decisions on the management of the area may be based.

The Junior Research Fellow will carry out a study of the bacterial flora of the Bay with special reference to the cycling of nutrients in the seagrass and mangrove ecosystems. The study will be done in the School of Microbiology, where technical assistance and general facilities are available, in conjunction with the Westernport Study.

**SALARY**

A$7,322 in the first year with annual increments to A$7,672. Duty travel to assist with travel to Australia for an overseas candidate may be required.

It is hoped that the successful candidate can begin duties immediately. The grant is available for 3 years. Further information can be obtained from Dr. N. F. Mills, School of Microbiology, University of Melbourne, Parkville 3053, Australia.
THE UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGY

Applications are invited from animal physiologists interested in and committed to excellence in undergraduate teaching, as well as graduate teaching and research, for the following post that will become available on 1 August 1974.

Assistant Professor or Instructor to be responsible for a course in human physiology and to assist in the teaching of comparative animal physiology. This is a full-time teaching appointment which will be made for a 2-year term (in the first instance). The salary floor for an Assistant Professor is $13,200 per annum and for an instructor $10,230 per annum.

Applicants should submit curriculum vitae and ask three referees to send letters of reference to Dr. D. Parkinson, Professor and Head, Department of Biology, The University of Calgary, Calgary, Alberta, Canada T2N 1N4, by 14 April 1974.

THE UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGY

Applications are invited from virologists, interested in and committed to excellence in undergraduate teaching as well as graduate teaching and research, for the following post that will become available on 1 August 1974.

Assistant Professor to be responsible for a course in virology at the senior undergraduate level and to assist in teaching immunology and general cell biology.

An Assistant Professor is a full-time teaching appointment with a salary having a floor of $13,200 per annum. This appointment will be made for a 2-year term (in the first instance).

Applicants should submit curriculum vitae and ask three referees to send letters of reference to Dr. D. Parkinson, Professor and Head, Department of Biology, The University of Calgary, Calgary, Alberta, Canada T2N 1N3, by 15 April 1974.

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(Ph. D.)

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Emphasis will be on the development of drugs for the treatment of kidney diseases and the evaluation of drugs as they affect renal function. Doctoral degree and background in renal pharmacology or physiology are essential. Experience with renal function tests is desirable.

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UNIVERSITY OF ILLINOIS

Applications are invited for faculty positions in the following areas for fall 1974.

1. Clay Science
2. Engineering Geology or Engineering Geophysics
3. Oceanography

A senior position with a prominent research record and industrial experience will be given preference for the position in engineering geology. Rank open, but established researchers generally preferred for all positions. Salary dependent upon qualifications. Send resume to P. V. Donahue, Head, Department of Geology, University of Illinois, Urbana, Ill. 61801.

The University of Illinois is an affirmative action equal opportunity employer and encourages applications from members of minority groups and women.

GEOPHYSICIAN

A corporate vacancy is to be filled in applied geophysics for the academic year 1974-1975. The candidate's background can be in any one or a combination of the following fields: geophysics, geology, applied math, and computer science.

The Ph.D. is preferred. A resume and three letters of reference should be sent to the Chairman, Department of Geology, University of Montana, Missoula, Montana 59812. A publication list and résumé of research interests will be considered in the selection process, and newly graduated candidates should have transcripts submitted.

An equal opportunity affirmative action employer.

BIOLOGY DEPARTMENT HEAD

Position available 1 September 1974. Must be filled by 1 September 1975. Washington State and Lee University. Ph.D. required. Some administrative experience and background in teaching, and experience in animal physiology and histology, and in a productive research program. Send resume to Search Committee, Biology Department, Washington and Lee University, Lexington, Virginia 24450.

An equal opportunity employer.

Opening costs in the Assistant Research Associate Research, or full Research level for EXPERIEN DENTAL and THEORETICAL OCEANOGRAPHY will be dependent on the candidate's qualifications. The PHR Candidate must demonstrate exceptional productivity in original research on problems of current interest using the resources of the oceanographic research vessel. The position is open to all individuals who are enrolled in a Ph.D. program in oceanography or related fields. Experience in oceanography or related fields will be required. Applicants should send resume to Dr. C. S. Coe, Chairman, Ocean Research Division, Scripps Institution of Oceanography, La Jolla, Calif. 92037 or contact the Graduate School of Oceanography, University of Rhode Island, Narragansett, R.I. 02882, for further information.

A Ph.D. position is available immediately. The position carries a stipend of $10,000 per year, plus health benefits. The appointees will be responsible for teaching a course in an area of expertise and for completing a dissertation in an area of expertise. Applications are invited from candidates whose field of study is oceanography, marine biology, or related areas. The position is open to all individuals who are enrolled in a Ph.D. program in oceanography or related fields. Experience in oceanography or related fields will be required. Applications should be sent to Dr. C. S. Coe, Chairman, Ocean Research Division, Scripps Institution of Oceanography, La Jolla, Calif. 92037.
Aquatic Biologists

TVA has immediate need for an Aquatic Biologist to act as division specialist in fisheries with principal responsibilities in planning, conducting, and evaluating the Division of Forestry, Fisheries and Wildlife Developments research programs in fishery aspects of TVA steam or other power plant planning, construction, and operation; and in the preparation and review of the fishery sections of environmental impact statements.

Qualifications: Master's in fisheries or other aquatic sciences with emphasis on fisheries, and two years experience in the application of these sciences is desired.

Excellent salary commensurate with experience and an outstanding benefits package is offered.

Call or send resume in confidence to Employment Branch SC-40.

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Two-year (minimum) position to develop photographic emulsions and image intensifiers for the High Voltage Electron Microscope. Experimental physics and electron microscopy experience required. Salary $15,300 first year plus fringe benefits and $16,400 second year. Send complete curriculum vitae, list of papers, and two letters of recommendation to: Dr. Donald F. Parsons, Electronic Imaging Department, IBM Research Triangle Institute, 666 Eml Street, Buffalo, New York 14203. Telephone: (716) 845-2578.

THE UNIVERSITY OF GUELPH

Invites nominations and applications for the position of

PRESIDENT

The University of Guelph is a publicly supported institution, established in 1965. The present full-time enrolment is approximately 8,500 undergraduate and 600 graduate students. There are 700 faculty members, and the annual operating budget is in excess of $50 million. The University has Colleges of Science, Arts, Agriculture, Family and Consumer Studies, Physical Science, Social Science and Veterinary Medicine. The University operates a year-round on a tri-semester system.

As Vice-Chancellor, Chairman of Senate, and chief executive officer, the President has general supervision over, and is responsible for, the operation of the University, including the academic programs and business affairs of the University, and such other duties as may be assigned by the Board of Governors. In the performance of these functions, the President is assisted by a Vice-President (Academic), a Vice-President (Administration), and a Provost (Student Affairs). The appointment is for a term of five years, effective 1 July, 1975, with the possibility of extension upon review.

The salary and other benefits are negotiable and will be fully commensurate with the responsibilities involved.

Applications for this position should be accompanied by a detailed curriculum vitae and the names of referees. Letters of nomination should include a resume of the qualifications of the person nominated.

Applications, nominations and enquires should be addressed to:

Mr. W. W. Lasby,
Chairman of the Presidential Selection Committee,
University of Guelph,
Guelph, Ontario, Canada,
N1G 2W1.

THE SCRIPPS INSTITUTION OF OCEANOGRAPHY

has an opening for a Junior Specialist at an annual salary of $15,500. Applicants should have a B.S. in chemistry with specialization in the earth sciences with abilities in experimentation, design, and construction of chemical apparatus to conduct experimental investigations in the areas of plasma chemistry, plasma and gas condensation, and plasma-solid interactions with emphasis on solar system and interstellar processes. Inquiries with curriculum vitae are to be sent to Professor George W. Bok, Scripps Institution of Oceanography, University of California at San Diego, La Jolla, California 92037. An Equal Opportunity employer with an affirmative action program.

PH.D. IN BIOCHEMISTRY

Full-time research on molecular mechanisms of hormone action. Salary to $15,500. V.A. Hospital research in collaboration with outstanding University, N.Y. area. Send résumé.

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Postdoctoral or research associate position available in an interdisciplinary program scanning and transmission electron microscopy projects of experimental animal models relevant to human cerebrovascular disease. Candidates should have broad background in fine structural techniques and interest in vascular anatomy, physiology and pathology. Contact: Dr. Erland Nelson, Chairman. Send curriculum vitae, names of referees and list of publications to: C. H. Mortimer, Chairman of Search Committee, Center for Great Lakes Studies, The University of Wisconsin—Milwaukee, Milwaukee, Wisconsin, USA, 53201. Affirmative Action Employer.

RESEARCH ASSOCIATE

for program dealing with the development of social cognition and social relations in adolescence: demonstrative design. Data collection, manipulation, analysis, and interpretation skills required. Research experience with children and/or adolescents required. Ph.D. concentration in combination of cognitive and social development strongly preferred. Two-year, 12-month appointment (with 1 month's vacation) with extension dependent upon funding. Ph.D. or requirement for it must be completed by 26 August 1974 (when appointment begins). Send curriculum vitae with names of referees and statement of interest or special qualifications to: Professor John P. Hill, Department of Human Development and Family Studies, Cornell University, Ithaca, N.Y. 14850. An Equal Opportunity Employer.
Positions Open

Professor and Chair (P & C) of Pharmacology

The Department of Pharmacology at Temple Health Sciences Center School of Medicine is now accepting applications for the position of Chairman of the Department of Pharmacology. Successful applicants will be expected to show a record of accomplishments in teaching and research, an interest in chairs of the P & C position, and an ability to work with the faculty and administration of the School of Medicine. Applications should be submitted to: Dr. Myron P. Sadowski, Search Committee, Department of Pharmacology, Philadelphia, Pa. 19140.

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Background in immunology and biochemistry to be engaged in a research project in the area of oncology. Two years with Dr. Stefan Niewiarowski.

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Key administrative position in Municipal Hospital Department. Responsibilities require skills in program development and evaluation, community liaison, and the administration of the clinical pharmacy. A Ph.D. degree required. Faculty appointment and salary appropriate to experience. Send curriculum vitae to John G. Williams, M.D., Chairman, Department of Psychiatry, Philadelphia General Hospital, Southern Blvd. and Crotone Ave., Bronx, N.Y. 10468.

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Position available immediately at the Comparative Leukemia Studies Unit, New Bolton Center, University of Pennsylvania, to join research group working on murine leukemia virus oncoproteins. Experience in tissue culture and viral technology required. Salary up to $21,500. Qualified applicants should send curriculum vitae and three letters of reference to: Dr. R. F. Crandall, New Bolton Center, University of Pennsylvania, Philadelphia, Pa. 19104.

University of Western Australia

Perth

Appointment in Zoology

Applications are invited for appointment as Lecturer in Zoology. The Department of Zoology, situated in the Faculty of Science, is responsible for the training of students in the biological sciences. A Ph.D. degree is essential. The successful candidate will be expected to have a strong record of teaching and research, and to carry out research in an area of animal biology. The starting salary will be $15,150 per annum. Application forms and further information may be obtained from: The Registrar, University of Western Australia, Nedlands, Western Australia, 6009. Closing date, 15th March 1974.

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