

ery, Gaithersburg, Md. (Z. Ruthberg, Natl. Bureau of Standards, Washington, D.C. 20234)

20-21. **Energy R & D Management Briefing and Conf., Power Engineering and Pollution Engineering**, Washington, D.C. (Government Institutes, Conf. Management, Suite 303, 4733 Bethesda Ave., NW, Washington, D.C. 20014)

20-21. Society for **Vascular Surgery**, Chicago, Ill. (J. A. DeWeese, SVS, 260 Crittenden Blvd., Rochester, N.Y. 14642)

20-22. American Assoc. of **Physics Teachers**, Boone, N.C. (A. A. Strassenburg, AAPT, Drawer AW, Stony Brook, N.Y. 11790)

21-23. Society for **Investigative Dermatology**, Chicago, Ill. (J. S. Strauss, Boston Univ. Medical Center, 80 E. Concord St., Boston, Mass. 02118)

23-26. American Soc. of **Agricultural Engineering**, 67th annual mtg., Stillwater, Okla. (J. L. Butt, ASAE, 2950 Niles Rd., St. Joseph, Mo. 49085)

23-26. American **Dairy Science Assoc.**, Guelph, Ont., Canada. (C. Cruse, ADSA, 113 N. Neil St., Champaign, Ill. 61820)

23-27. American Soc. of **Heating, Refrigerating, and Air-Conditioning Engineers**, Montreal, P.Q., Canada. (A. T. Boggs, ASHRAE, 345 E. 47 St., New York 10017)

23-27. American **Medical Assoc.**, Chicago, Ill. (E. B. Howard, AMA, 535 N. Dearborn St., Chicago 60610)

23-28. American Soc. of **Medical Technologists**, New Orleans, La. (S. B. Friedheim, ASMT, Suite 200, 5555 W. Loop, Bellaire, Tex. 77401)

23-28. American **Nuclear Soc.**, Phila-

delphia, Pa. (O. J. DuTemple, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521)

24-25. International Symp. on **Metrication—Managing the Industrial Transition**, jointly by American Soc. for Testing and Materials, American Natl. Standards Inst., and American Natl. Metric Council, Washington, D.C. (ASTM, 1916 Race St., Philadelphia, Pa. 19103)

24-26. **Computers in the Undergraduate Curricula**, 5th. Natl. Science Foundation and Washington State Univ., Pullman. (O. W. Rechard, Computer Science Dept., Washington State Univ., Pullman 99163)

24-28. **Chemistry of Natural Products**, 9th intern. symp., Intern. Union of Pure and Applied Chemistry, Ottawa, Ont., Canada. (M. K. Ward, Natl. Research Council of Canada, Ottawa K1A 0R6)

24-28. American Soc. of **Limnology and Oceanography**, Seattle, Wash. (G. W. Saunders, P.O. Box 853, Gaithersburg, Md. 20760)

25-28. Institute of **Navigation**, San Diego, Calif. (R. E. Freeman, IN, Suite 832, 815 15th St., NW, Washington, D.C. 20005)

25-29. American Assoc. of **Bioanalysts**, Washington, D.C. (AAB, Suite 805, 411 N. 7th St., St. Louis, Mo. 63101)

26-28. **Drug Information Assoc.**, Chicago, Ill. (C. R. McDonnell, Johnson and Johnson Research Center, New Brunswick, N.J. 08903)

27-29. **Gene Regulation in Mammals**, 45th symp., Jackson Lab., Bar Harbor, Maine. (A. A. Kandutsch, Jackson Lab., Bar Harbor, Maine 04609)

27-29. **Sickle Cell Disease**, Natl. Institutes of Health, Washington, D.C. (J. I.

Hercules, Sickle Cell Disease Branch, Bldg. 31, Room 5A-03, Natl. Heart and Lung Inst., Bethesda, Md. 20014)

28-3. National **Education Assoc.**, Chicago, Ill. (T. Herndon, NEA, 1201 16th St., NW, Washington, D.C. 20036)

30-6. **Research Paradigms and Priorities for Social Psychology: Transnational Perspectives Conf.**, Scientific Affairs Div., North Atlantic Treaty Organization, Ottawa, Ont., Canada. (L. H. Strickland, Dept. of Psychology, Carleton Univ., Ottawa K1S 5B6)

July

1-2. National Symp. on **Water Resources Problems Related to Mining**, American Water Resources Assoc. and Colorado School of Mines, Golden. (D. T. Snow, Geology Dept., Colorado School of Mines, Golden 88040)

1-5. World Congr. of **Environmental Medicine and Biology**, Paris, France. (R. Abbou, Secretariat General et Scientifique, 115, rue de la Pompe, 75116 Paris)

1-5. British Council for **Rehabilitation of the Disabled**, 5th intern. seminar and exhibition, London, England. (I. R. Henderson, REHAB, Tavistock House (South), Tavistock Sq., London, WC1H 9LB)

3-5. European **Chemoreception Research Organization**, 1st congr., Paris-Orsay, France. (ECRO, Collège de France, 11 Place Marcelin Berthelot, 75231 Paris Cedex 05, France)

7-9. **Gamma Sigma Delta**, Brookings, S.D. (K. R. Keller, Agricultural Experiment Sta., 104 Patterson Hall, North Carolina State Univ., Raleigh 27607)

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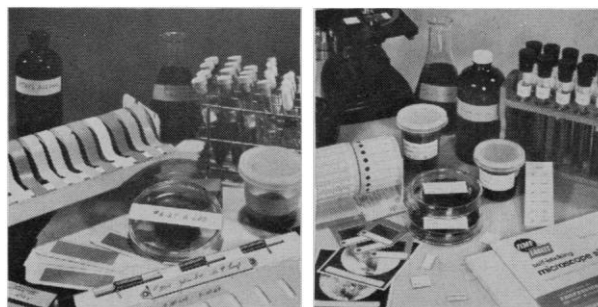
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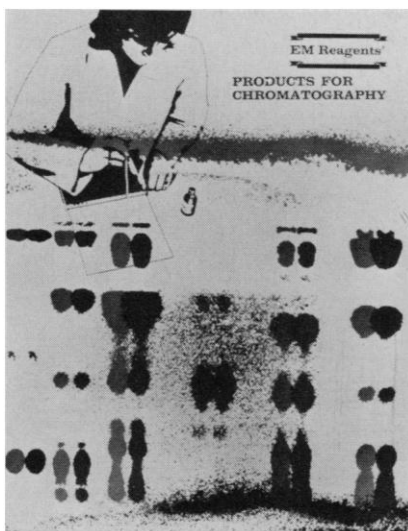
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Applications from women and members of minority groups are encouraged.

ASSISTANT PROFESSOR

Position available in the Department of Surgery, University of Michigan Medical School. Must be Board eligible in General Surgery and be eligible for certification in Pediatric Surgery. Must have experience or interest in medical education and/or research as well as patient care. Will be responsible for programs at University and affiliated hospitals. Send résumé to **Box 249, SCIENCE, A Non-Discriminatory Affirmative Action Employer.**

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Must have Ph.D. and background in electrical engineering, medical instrumentation and computer applications. Three years clinical experience necessary. Extensive knowledge of uterine physiology and clinical obstetrics required. Will function as perinatal electrical safety officer. Will be required to teach graduate and undergraduate courses and direct graduate research. Send résumé to **Box 250, SCIENCE, A Non-Discriminatory Affirmative Action Employer.**

ASSISTANT PROFESSOR

Position available in the Department of Obstetrics & Gynecology, University of Michigan Medical School with major responsibility at affiliated county hospital. Must be Board eligible or certified with subspecialty in fetal and maternal medicine. Must be able to assume major clinical and teaching responsibilities on active service and develop own research program. Documentation of academic capability and productivity essential. Send résumé to **Box 251, SCIENCE, A Non-discriminatory Affirmative Action Employer.**

ASSISTANT OR ASSOCIATE PROFESSOR

Ph.D. with major emphasis in microbiology and biochemistry. An interest in anaerobic microbiology as it relates to animal agriculture is essential. Conduct research, supervise graduate education, and teach in the ecology and metabolism of microbes in rumen-intestinal tract ecosystems, methanogenic systems for degradation of organic matter or related areas. Send résumé to **Dr. K. E. Harshbarger, Head, Department of Dairy Science, University of Illinois, Urbana, Illinois 61801.**

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Research on endocrine basis of genetic differences in ovulation rate and prenatal survival in laboratory mice. Qualifications: Ph.D. in Physiology or Endocrinology; recent experience in protein and steroid hormone assay. Starting salary range: \$13,900 to \$14,600. Position available 1 July 1974 for 1 to 3 years. Send résumé, publication list, and names of three referees to **G. E. Bradford, Department of Animal Science, University of California, Davis, California 95616.**

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Two postdoctoral research positions for 2 years (minimum) to determine chromosome assignment and expression of human genes coding for either lysosomal enzymes, membrane proteins, or immunoglobulins in man-rodent somatic cell hybrids growing in tissue culture. Experience with isolation and identification of any one of these gene products required. Knowledge of tissue culture, genetics or cytogenetics is an advantage. Salary \$11,000 to \$12,000 depending on experience plus fringe benefits and annual increments. Send curriculum vitae, bibliography, and three letters of recommendation to: **Dr. Thomas B. Shows, Biochemical Genetics Lab., Roswell Park Memorial Institute, 666 Elm St., Buffalo, N.Y. 14203. Telephone (716) 845-3108.**

SCIENCE, VOL. 184

POSITIONS OPEN

BIOCHEMISTRY

Applications are invited for two full-time biochemistry faculty positions at the level of assistant professor. A doctorate degree and postdoctoral experience is necessary. Applicants must have strong interests in both teaching and research. Positions available 1 July 1974. Send curriculum vitae, research interests, and references to **Dr. Joseph G. Cory, Acting Chairman, Department of Biochemistry, University of South Florida College of Medicine, Tampa, Florida 33620.**

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BIOCHEMICAL TOXICOLOGIST-PHARMACOLOGIST

Research associate position (junior faculty appointment) available for suitably qualified Ph.D. with some postdoctoral experience to study the biological effects of chemicals associated with the manufacture of plastics (monomers, additives, and so forth). Funding available for a period of at least 5 years, beginning 1 July. Send résumé to **Dr. Robert J. Rubin, Department of Environmental Medicine, Johns Hopkins University, School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, Md. 21205.**

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CHAIRMAN DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF MISSOURI-COLUMBIA

The departments of Agricultural Chemistry (College of Agriculture) and Biochemistry (School of Medicine) will merge 1 September 1974. The combined department will serve both professional schools and in addition continue to offer graduate and undergraduate programs in biochemistry. Applicants for chairman are invited to send curriculum vitae and the names of three references to: **Dr. Herbert S. Goldberg, Chairman, Biochemistry Search Committee, School of Medicine, University of Missouri-Columbia, Columbia, Missouri 65201.** The University of Missouri-Columbia is an equal employment and educational opportunity institution.

CHAIRMAN

Applications and nominations are invited for position of Chairman, Department of Neurology. Please send résumé to:

**Chairman, Neurology Search Committee
Dean's Office
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27514**

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The new Uniformed Services University of the Health Sciences to be located in Bethesda, Maryland, is actively seeking Chairpersons for the following departments:

ANATOMY, BIOCHEMISTRY, MICROBIOLOGY, PATHOLOGY, PHARMACOLOGY, AND PHYSIOLOGY. Positions open July 1974 or earlier.

Qualified applicants are invited to submit a curriculum vitae, a summary of teaching and postdoctoral experience, a statement of their philosophy on medical education within a health science center, and the names of three persons qualified to assess the candidate's teaching and research potential.

Forward to:

**Anthony R. Curreri, M.D.
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The candidate should be widely knowledgeable in natural sciences and mathematics, recognized for excellence in teaching and research, as well as having appropriate administrative experience. Applicants should send complete résumés to:

**Joseph P. Buckley, Chairman
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B.S. (or M.S.) in Geology. Supervisory ability. Prefer related experience at an oceanographic institute.

Please send résumés to:

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Position available 4 September 1974 for Assistant Professor. Candidate to teach integrated sequence in vertebrate development, structure, and function; also, histology or experimental embryology. Ph.D. degree required. Send résumé and letters of reference to **Dr. Robert C. Stones, Head, Department of Biological Sciences, Michigan Technological University, Houghton, Michigan 49931.** An Equal Opportunity Employer.

DEVELOPMENTAL BIOLOGIST-GENETICIST

Assistant Professorship available in undergraduate institution, September 1974. Teaching responsibilities: Genetics, Embryology, and shared instruction in General Zoology, General Botany, or Molecular Biology. Ph.D. required. Send complete curriculum vitae and three letters of recommendation to: **Dr. K. V. Loats, Chairman, Department of Biology, Denison University, Granville, Ohio 43023.**

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M.D. or Ph.D. to participate in research studies involving mammalian cardiac tissue. Permanent appointment, federal Civil Service salary and fringe benefits. Please submit curriculum vitae to: **Anthony N. Damato, M.D., Department of Cardiology, U.S. Public Health Service Hospital, Staten Island, N.Y. 10304.**

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POSITIONS OPEN

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The Council of Lincoln College invites applications for the above-mentioned position. Preference will be given to applicants with doctoral qualifications, some experience of New Zealand agricultural practices, and with proven research interests in pest management, population ecology and/or other fields of entomology associated with applied agricultural problems.

The successful applicant will be appointed as Lecturer or Senior Lecturer according to qualifications and experience. Present salary scales are: Lecturer - NZ\$6575-NZ\$8343; Senior Lecturer - NZ\$8489-NZ\$9963 (BAR), NZ\$10,259-NZ\$10,846. New Zealand Government Superannuation available.

Conditions of Appointment giving further details of this position can be obtained from the Association of Commonwealth Universities (Apts), 36 Gordon Square, London WC1H 0PF, or from the Registrar of the College.

Applications close on 30 June 1974.

DEPARTMENT OF GEOLOGY COLUMBIA UNIVERSITY GEOCHEMIST

The Department of Geology at Columbia University is seeking an **ISOTOPE or TRACE ELEMENT GEOCHEMIST** to be appointed at a rank dependent upon qualifications of the candidate. The position is to be filled by fall 1975 but could be filled as early as fall 1974. Duties include teaching of undergraduate and graduate courses and participation in other programs of the department. It is hoped that the appointee's research will complement the igneous and metamorphic studies at Lamont-Doherty Geological Observatory. Interested scientists should submit curriculum vitae and names of three referees to:

**Professor Ian W. D. Dalziel, Chairman
Department of Geology
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Applications are invited for the above position. Commencing salary up to NZ\$10,232 per annum depending on qualifications and experience, with further promotion available on scientific merit.

Duties will be in the chemistry of wood conversion, biochemical studies in connection with fermentation of wood waste, and biochemistry of metabolic processes in fungal degrade of wood wood and the biochemistry of xylem development.

The research in this unit will be associated with other project groups to develop information relative to the chemical nature of wood deterioration and to develop practical means for its control; and to develop methods for the utilization of currently unused wood residues, low grade material, and barks for agricultural purposes or other end-use products.

Applicants should have a Ph.D. degree or postgraduate research experience of an equivalent standard and duration, supported by satisfactory evidence of research ability.

Application forms may be obtained from the New Zealand Embassy, 19 Observatory Circle, NW, Washington, D.C. 20008, with whom applications close on 15 July 1974. Please quote vacancy No. 9/74/2208.

Further particulars may be obtained from the New Zealand Forest Service, Private Bag, Wellington, New Zealand.

NEW ZEALAND FOREST SERVICE SCIENTIST (WOOD ANATOMIST) FOREST RESEARCH INSTITUTE, ROTORUA

Applications are invited for the above position. Commencing salary up to NZ\$10,232 per annum depending on qualifications and experience, with further promotion on scientific merit.

Duties will be in wood structure studies; descriptive work of xylem of principal wood-producing species of New Zealand and the South-west Pacific; cooperative project work in wood quality on environmental effects of xylem development; and basic studies related to applied research in preservation, drying, pulping, and so forth, of wood.

The wood anatomy laboratory at the Forest Research Institute is fully equipped and is part of the wood quality research group. Available and associated with the laboratory are the facilities in the electron microscope laboratory which has modern electron transmission and scanning electron microscopes.

Applicants should have a Ph.D. in botany or forestry or postgraduate research experience of an equivalent standard and duration; supported by satisfactory evidence of research ability. Experience in one or more of the research fields listed above is preferred.

Application forms may be obtained from the New Zealand Embassy, 19 Observatory Circle, NW, Washington, D.C. 20008, with whom applications close on 15 July 1974. Please quote vacancy No. 9/74/2207.

Further particulars may be obtained from the New Zealand Forest Service, Private Bag, Wellington, New Zealand.

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Opening available for the period 1 July 1974 to 30 June 1975 for replacement of a faculty member on sabbatical leave. The position involves assistance in teaching a one-semester (fall semester) course in the Chemistry of Pesticides and research on an ongoing project on pesticides in the marine environment. The position is at the Instructor level at a calendar year salary of \$11,000. Candidates for this position should have a Ph.D. in some field of environmental chemistry and have at least 1 year's experience at the postdoctoral level in the field of pesticide research. Send curriculum vitae and three references to George T. Felbeck, Jr., Chairman, Department of Food and Resource Chemistry, University of Rhode Island, Kingston, R.I. 02881.

The University of Rhode Island is an equal opportunity/affirmative action employer. Minorities and women are encouraged to apply. The deadline for receiving applications is 14 June 1974.

POSITIONS OPEN

DIRECTOR OF THE DEPARTMENT OF PUBLIC RESPONSIBILITIES

The American Institute of Biological Sciences (AIBS) invites applications for the head of its newly formed Department of Public Responsibilities. The appointee will report directly to the Executive Director of the AIBS, and will have the primary role of enhancing communication between the Institute and its Adherent Societies, its State Public Responsibilities Officers, and appropriate elements of state and federal government.

Applicants need not be professional biologists, although some background in biology or familiarity with biological concepts would be advantageous. Their experience should evidence understanding of the dynamics of scientific societies and legislative procedures and the functions of government and academic institutions.

Salary will depend on qualifications and experience. Applicants will be considered without regard to race, religion, sex, or national origin.

Applications, together with curriculum vitae and the names of three referees, should be received before 1 July 1974, by: Dr. George Sprugel, President, American Institute of Biological Sciences, 1401 Wilson Boulevard, Arlington, Va. 22209.

EXECUTIVE DIRECTOR

The American Institute of Biological Sciences (AIBS) invites applications for the position of Executive Director.

The AIBS is an affiliation of some 40 adherent professional societies having a membership numbering 80,000, and of 12,000 individual members. The purpose of the AIBS is to serve and unify the agricultural, biological, and medical sciences.

Applicants must possess the earned doctorate and evident achievement and stature in a biological discipline. The position requires a high degree of judgment and administrative ability and the capacity to communicate with adherent societies, the community of biologists, and with society at large.

The salary is competitive and will be commensurate with experience and qualifications. Applicants will be considered without regard to race, religion, sex, or national origin.

Letters of application with curriculum vitae and publication lists, together with the names of three referees, should be received prior to 1 June 1974 by: Dr. George Sprugel, President, American Institute of Biological Sciences, 1401 Wilson Boulevard, Arlington, Va. 22209.

FACULTY POSITIONS AVAILABLE SCHOOL OF MEDICINE WRIGHT STATE UNIVERSITY DAYTON, OHIO 45431

The Wright State University School of Medicine is a developing medical school located in southwestern Ohio. The preclinical segment of the curriculum will be based at Wright State University and will draw upon the combined resources of Wright State, Central State, and Miami universities as well as other local institutions. The clinical curriculum will be implemented using the facilities of the area hospitals which have made available more than 2000 beds for medical education.

The School of Medicine will emphasize the education of primary care physicians, particularly in family practice. The school will have an extensive commitment to medical outreach programs, continuing education, and related programs in allied health.

Faculty appointments in the basic sciences will be dual appointments both to the School of Medicine and the College of Science and Engineering. Interested personnel with qualifications in anatomy, physiology, biochemistry, pharmacology, and microbiology are invited to apply.

Appointments in the clinical areas will be made to the School of Medicine. Applications are invited from physicians with qualifications in anesthesiology, internal medicine, obstetrics-gynecology, clinical pathology, psychiatry, radiology, family practice medicine, surgery, pediatrics, community medicine, physical medicine, and postgraduate medicine.

The University is particularly interested in receiving applications from experienced and well-qualified persons who are committed to the philosophy and goals of the Wright State University School of Medicine. Applications with supporting documents may be directed to:

John R. Beljan Brian L. Hutchings
Dean Designate Acting Dean, College of
School of Medicine Science and Engineering

Wright State University is an equal opportunity, affirmative action employer.

POSITIONS OPEN

HUMAN GENETICS—Salary and rank open. Postdoctoral experience desirable. Applicants must be interested in teaching human genetics and participating in a genetics clinic. Active research commitment required, preferably in somatic cell genetics and/or immunogenetics. *Michigan State University is an equal opportunity employer.* Director, Genetics Program, 34 Plant Biology, Michigan State University, East Lansing, Michigan 48824.

ICHTHYOPLANKTON-RESEARCH MARINE BIOLOGIST. To actively assist in research on the early life of fishes. Background: necessary, larval fish identification; desirable, life history of marine fishes, executing sampling programs, employee supervision, statistics, demonstrated research initiative, ability to go to sea. *Open 1 May.* Send immediately details of relevant experience and names of three references to Dr. Sally L. Richardson, Research Associate, School of Oceanography, Corvallis, Oregon 97331. *An Affirmative Action/Equal Opportunity Employer.*

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Department of Information and Computer Science has several openings for tenured faculty. Principal areas of interest are systems, hardware, artificial intelligence, combinatorics and analysis of algorithms, and social impacts. Applications from all qualified candidates are welcome; minorities and women are encouraged to apply. Send résumé to

Martin Kay, Chairman
Department of Information and
Computer Science
University of California, Irvine
Irvine, California 92664
(714) 833-6357

INSTRUCTOR

Position available in the Department of Pathology, University of Michigan Medical School. Majority of time will be spent at the Veterans Administration Hospital in Ann Arbor. Candidate must be Board certified in Clinical and Anatomic Pathology. Send résumé to

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JUNIOR FACULTY POSITION

In respiratory physiology to participate in studies on effects of SO₂-aerosol mixtures. To begin July 1974 and last 2 to 3 years. Please send résumé, references to:

Dr. R. Frank
Department of Environmental Health
University of Washington
School of Public Health
Seattle, Washington 98195
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MICROBIOLOGIST, Ph.D.

Cancer Research group requires a microbiologist with a strong background in microbial physiology, molecular genetics, chemistry, and biochemistry to conduct research on microbial and biochemical modification of antitumor agents. Please send complete curriculum vitae and names and addresses of three references to M. F. Murray, Employment Representative, The Upjohn Company, 7171 Portage Rd., Kalamazoo, Mich. 49001.

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THE UCLA NEUROPSYCHIATRIC INSTITUTE conducts multidisciplinary educational and scientific programs related to neurological and psychiatric illness and mental retardation.

Occasional openings available for academic personnel in biological, behavioral and social sciences, and health-related professions. Equal opportunity employer with vigorous affirmative action program. Applications from women and members of minority groups receive top priority.

Write: L. J. West, M.D., 760 Westwood Plaza, Los Angeles, California 90024.

POSTDOCTORAL POSITION

Available 1 July 1974. Research in Immunology-Biochemistry Department: Isolation, characterization of lymphocyte membranes and T cell receptors, associated with genetic control of immune response in mice. Experience in biochemical isolation techniques preferred. Apply with curriculum vitae to Dr. Paul H. Maurer, Department of Biochemistry, Jefferson Medical College, 1020 Locust Street, Philadelphia, Pennsylvania 19107.

Environmental Sciences

Postdoctoral appointments and staff positions at Argonne National Laboratory

Positions at the Ph.D. and B.S. levels are available in ongoing research programs. Openings in the Environmental Statement Project Group are involved in measuring and assessing the environmental impact of the utilization of nuclear and fossil fuels on lakes and rivers. Openings in the Radiological and Environmental Research Division are concerned specifically with the ecological problems of the Great Lakes region. Areas of interest include limnology, aquatic and terrestrial ecology, soil science, and meteorology.

Please send resume in confidence to: Mr. Ronald A. Johns, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.



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(Section Head)

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TOXICOLOGIST

The National Cancer Institute is seeking candidates for a Toxicologist position in the Carcinogen Bioassay and Program Resources Branch, Carcinogenesis, Division of Cancer Cause and Prevention, National Cancer Institute. The Branch is responsible for the testing of chemical and physical agents to determine their carcinogenicity. The person selected will be expected to design and supervise carcinogen bioassay studies and experiments related to toxicity and metabolism of carcinogens. He will also supervise the analysis, evaluation and presentation of data resulting from these studies. The position is primarily an administration assignment that requires a close working relationship with other Government Agencies and the scientific community at large. Starting salary will be based upon training and experience and will range from \$20,677 to approximately \$30,000 per annum. Experience in toxicology, pharmacology, biochemistry and/or metabolism is desirable. All applications must be received by 17 June 1974 and will be held in confidence. Please send résumé to:

National Cancer Institute, NIH

Bldg. 31, Rm. 3A-32, Bethesda, Maryland 20014

Attention: Mr. Robert Wagner

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POSITIONS OPEN

IMMUNOLOGIST OR CELL BIOLOGIST

Assistant Professorship available starting 1 September 1974 for an immunologist or for a cell biologist interested in structural aspects of development. Applicant must present evidence of excellence in teaching at the introductory level in general biology, and at the intermediate/advanced level in area of research specialty. Active research program is essential.

Please send curriculum vitae, reprints, and three letters of recommendation to:

Mary Ella Feinleib
Biology Department
Tufts University
Medford, Mass. 02155

Application deadline: 5 June 1974.

Tufts University is an Affirmative Action Employer. Applications from women and minority candidates are especially welcomed.

The Physics Department of the University of California at Berkeley anticipates that a faculty position will soon be open in experimental solid state physics, and invites applications from physicists who combine specialist backgrounds in the physics of semiconductors and modern ultraviolet and x-ray photoemission spectroscopy of solids. Candidates must possess the ability to conduct original research of significance. Applications should be submitted to **Professor Marvin Cohen, Physics Department, University of California, Berkeley, California 94720**, and should be received before 1 August 1974.

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POSTDOCTORAL POSITIONS

Available immediately. Collaborative investigation of mechanisms of enzymatic catalysis. Applicants should have experience in fluorescence transfer or interest in direct microcalorimetric measurements in biochemical systems.

Prof. Harvey F. Fisher
Veterans Administration Hospital
4801 Linwood Blvd.
Kansas City, Missouri 64128.

POSTDOCTORAL RESEARCH ASSISTANTS

Biosynthesis and biomimetic synthesis of natural products. Application of $^{13}\text{C}_2$ to biosynthetic studies in higher plants. Experience in C-13 FT. NMR desirable. Positions available immediately for 1 or 2 years. Résumé and two letters of recommendation to

Dr. C. R. Hutchinson
U 92
University of Connecticut
Storrs, Conn. 06268

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Basic science-oriented training program in the biological effects of environmental agents. Faculty encompasses a broad range of expertise including toxicology, cardiorespiratory physiology and pathology, immunology, behavior and neurochemistry, and chemical carcinogenesis and mutagenesis. Stipend and full tuition. Available 1 June. Send curriculum vitae and inquiries to **Dr. Zoltan Annau, Department of Environmental Medicine, Johns Hopkins School of Public Health, 615 North Wolfe Street, Baltimore, Maryland 21205**.

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PREDOCTORAL ASSISTANTSHIPS AND TRAINEESHIPS

In Oncology, Immunology, Microbiology, Virology, and Molecular and Cellular Biology. Prerequisites: B.S. degree in biology, chemistry, or related fields with B average or better and high G.R.E. score. U.S. citizenship required. Traineeships and assistantships available. Inquiries should be submitted to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680**.

TECHNICIAN BOTANICAL ELECTRON MICROSCOPY

Half time. B.S. in botany, with graduate training or M.S. in electron microscopy. Demonstrated ability and experience in cytochemical and ultrastructural analysis of plant cells. Apply to **Dr. J. W. Dieckert, Biochemistry and Biophysics Department, Texas A & M University, College Station, Texas 77840**.

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POSITIONS OPEN

MICROBIOLOGY FACULTY POSITIONS

Two positions are available for individuals with postdoctoral or additional experience in (i) **cellular immunology-cell biology** and (ii) **regulation**.

Individuals with a research interest in the mechanism of pathogenesis will be given special consideration. Rank and salary are open; appointees are expected to do research and teach. Send complete résumé and the names of three references to:

Chairman, Search Committee
Department of Microbiology
The Pennsylvania State University
S101 Frear Building
University Park, Pa. 16802

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SEDIMENTOLOGIST

Assistant Professorship available for teaching in introductory physical geology or oceanography, undergraduate courses in surficial geologic processes or field geology, graduate courses in sedimentology, sedimentary petrology, or geological limnology. Affiliation possible with Limnological Research Center and Freshwater Biological Institute. Send résumé, reprints, and names of three references to **H. E. Wright, Department of Geology and Geophysics, University of Minnesota, Minneapolis, Minn. 55455**.

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VIROLOGIST MAMMALIAN CELL

Assistant Professor—Half-time research involving human viruses. Applicant should have demonstrated ability (by publication) to handle mammalian cells and viruses. Half-time teaching in an undergraduate biophysics program. Additional duties will involve the direction of graduate students. Send curriculum vitae with publications and course preparation in physics, biophysics, physiology, molecular biology, cell biology, and virology to: **Dr. Thomas P. Coohill, Chairman, Biophysics Committee, Western Kentucky University, Bowling Green, Ky. 42101**.

ANNOUNCEMENT

CALL FOR CONTRIBUTIONS TO LABORATORY MANUALS

The National Science Foundation, jointly with the Atomic Energy Commission and North Texas State University, is supporting a project to produce a series of laboratory manuals and instructional materials in which nuclear experiments are presented for the undergraduate advanced laboratory. These Manuals are being compiled in the areas of physics, chemistry, geology, biology, and environmental sciences. Anyone who wishes, may contribute experiments to these manuals.

If an experiment or instructional unit is accepted for publication, the author and his school will be given credit for the publication. Additionally, a modest prize will be paid to the author for his contribution. Format information, content, and instructions for submission of an experiment may be obtained by writing **Dr. Jerome L. Dugan, Department of Physics, North Texas State University, Denton, Texas 76203**.

CONFERENCE

The First Annual National Conference on Biomedical Research Problems in a Changing World has been held at the Sheraton Park in Washington, D.C., on 5, 6, and 7 February 1974 sponsored by the University of Maryland and Medi-Science, Inc. The latest developments and breakthroughs in such strategic activity areas of biomedicine as Heart, Vascular and Kidney Studies; Cancer Studies; Prosthesis Developments; Instrumentation; Health Care Delivery and Biomedical Ethics have been presented by the leading scientists of the country. For a copy of the *Proceedings*, send \$10 to **Conference, Medi-Science, Inc., P.O. Box 637, Laurel, Maryland 20810**.

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FELLOWSHIPS

FELLOWSHIP IN RENAL AND MEMBRANE PHYSIOLOGY

A fellowship commemorating Dr. Louis G. Welt has been established by the Department of Medicine, University of North Carolina, Chapel Hill, for 2 years' support of an M.D. or Ph.D. interested in postdoctoral research in the areas of nephrology or membrane physiology. Recipient would concentrate in one of several areas including renal physiology, epithelial transport, endocrinology of ion and water metabolism, hormones and membranes, or red blood cell transport. Interested parties should communicate with the **Chairman, Department of Medicine, University of North Carolina-Chapel Hill, Chapel Hill, North Carolina 27514**. Deadline for receipt of applications: 1 November 1974.

POSTDOCTORAL FELLOW

Knowledgeable with techniques in cell culture and nucleic acid metabolism. Excellent opportunity for education in enzyme induction in eukaryotic cells.

Apply, with three references, to **Prof. E. S. Canelakis, Department of Pharmacology, Yale University School of Medicine, New Haven, Conn. 06510**.

POSTDOCTORAL FELLOWSHIP IN CELL BIOLOGY

Position available 1 July 1974, Section of Cell Biology, Division of Biological and Medical Sciences, Brown University, for candidate interested in research on transport epithelia or pigment cells. Submit immediately curriculum vitae, research proposal, two letters of recommendation, and publications to **Dr. Richard A. Ellis, Division of Biological and Medical Sciences, Box G, Brown University, Providence, Rhode Island 02912**. *An equal opportunity, affirmative action employer.*

PRE- AND POSTDOCTORAL FELLOWSHIPS

Predocorral fellowships in biochemistry with research on basic and health related problems available 1974-75; chemistry or biology degree required. Postdoctoral fellowships in Clinical Biochemistry available 1 July 1974 for candidates with training in chemistry or biochemistry. Limited to U.S. citizens or permanent residents. Contact **Thomas M. Devlin, Ph.D., Chairman, Department of Biological Chemistry, Hahnemann Medical College, 230 North Broad St., Philadelphia, Pa. 19102**.

PREDOCTORAL

For research-oriented student, biology/chemistry background, seeking Ph.D. and career in physiology/pharmacology of reproduction. Excellent facilities and stimulating personalized environment in active laboratory studying basic and applied aspects of reproduction. **Dr. Matthew Freund, Laboratory of Reproductive Pharmacology, New York Medical College, Valhalla, New York 10595 (914-347-5764)**.

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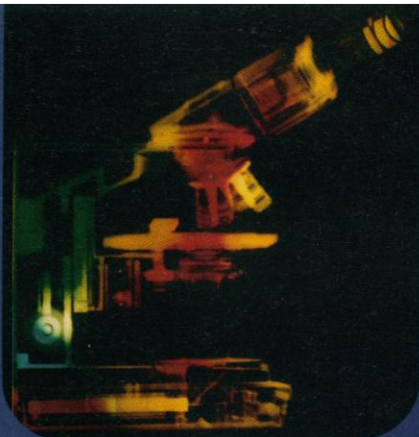
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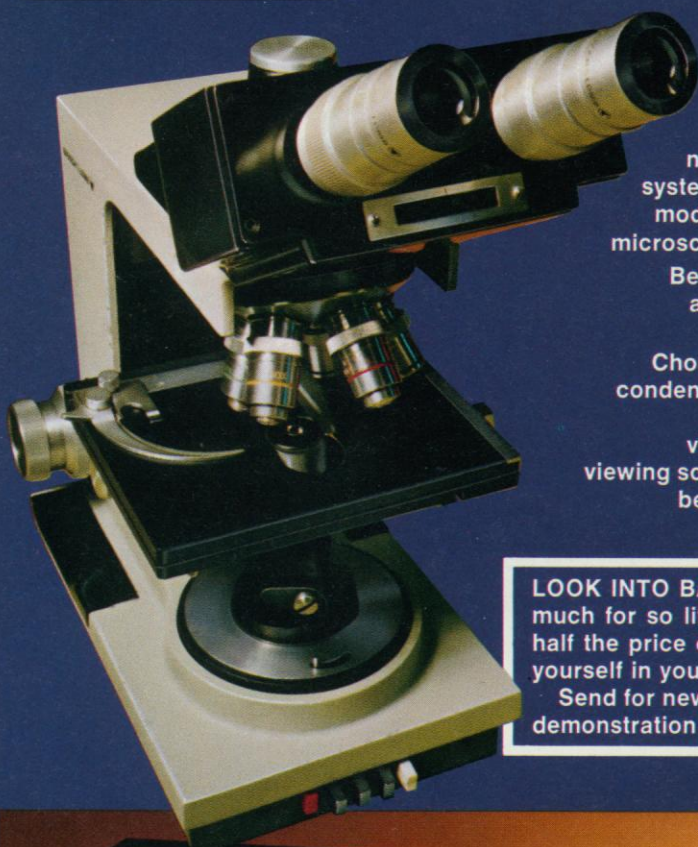
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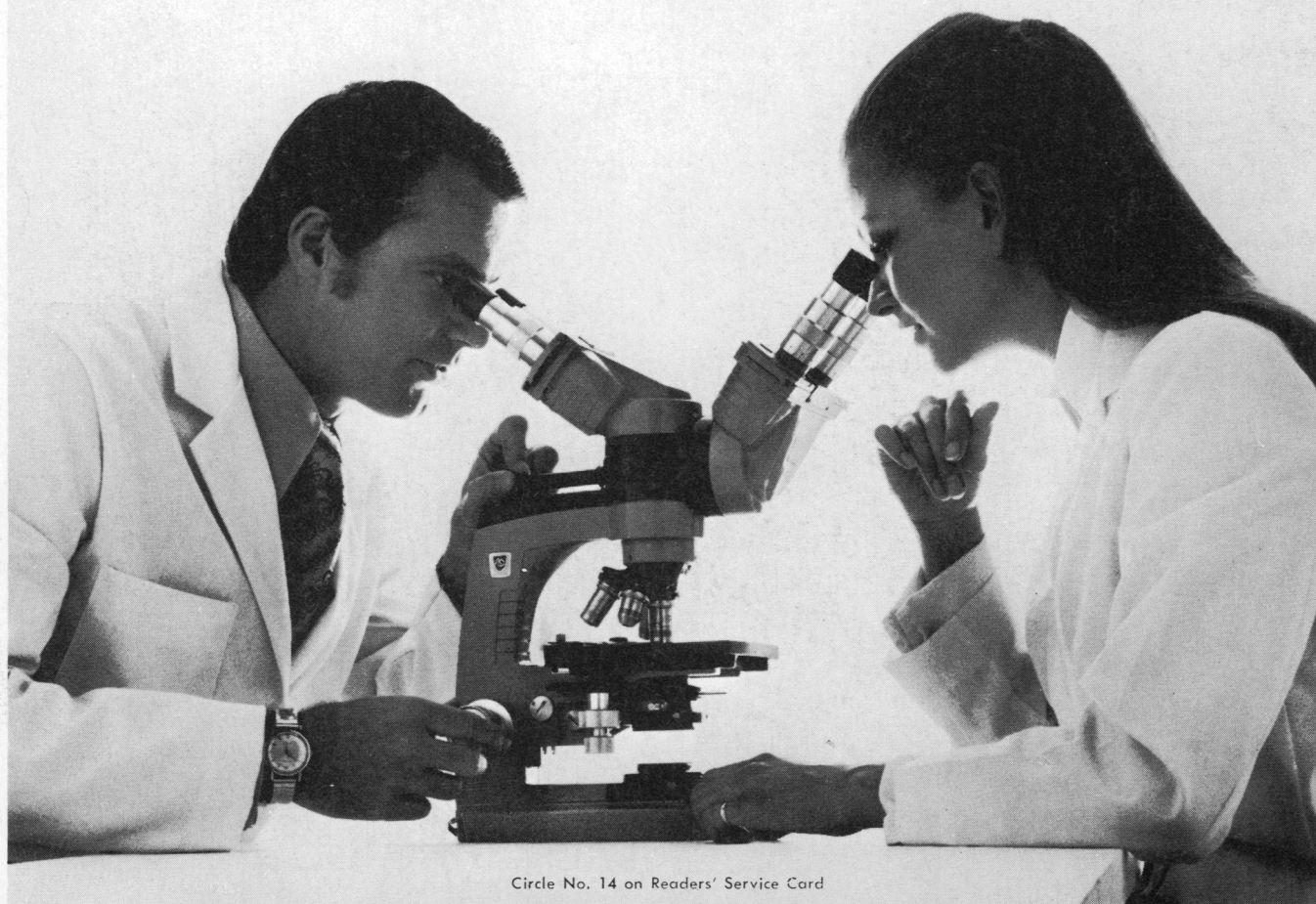
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