5-6. Alabama Acad. of Science, Birmingham. (D. Costes, Science Dept., Troy State Univ., Troy 36081)

5-6. American **Burn** Assoc., Cincinnati, Ohio. (A. R. Dimick, Dept. of Surgery, Univ. of Alabama, University Station, Birmingham 35294)

7-10. Conference on **Environmental** Acoustics, American Soc. for Testing and Materials, Columbus, Ohio. (J. McFadden, ASTM, 1916 Race St., Philadelphia, Pa. 19103)

7-12. American Assoc. of **Immunolo**gists, Atlantic City, N.J. (H. Metzger, AAI, 9650 Rockville Pike, Bethesda, Md. 20014)

7-12. American Physiological Soc., Atlantic City, N.J. (R. G. Daggs, APS, 9650 Rockville Pike, Bethesda, Md. 20014) 8-10. Engineering Aspects of Magnetohydrodynamics Symp., Tullahoma, Tenn.

(Y. C. L. Wu, Energy Conversion Research Div., Univ. of Tennessee Space Inst., Tullahoma 37388) 8-11. European Sleep Research Soc.,

2nd congr., Rome, Italy. (W. P. Koella, Ciba-Geigy AG, K 125/1109, 4002 Basel, Switzerland)

8-12. American Soc. for Experimental Pathology, Atlantic City, N.J. (G. B. Mider, ASEP, 9650 Rockville Pike, Bethesda, Md. 20014)

8-12. International Symp. on Wound Healing, Rotterdam, Netherlands. (Secretary, Holland Organizing Centre, 16 Lange Voorhout, The Hague, Netherlands)



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8-12. American Orthopsychiatric Assoc., San Francisco, Calif. (M. F. Langer, AOA, 1790 Broadway, New York 10019)

8-12. American Soc. for Pharmacology and Experimental Therapeutics, Atlantic City, N.J. (E. B. Cook, ASPET, 9650 Rockville Pike, Bethesda, Md. 20014)

9-11. Thin Films, 8th conf., Inst. of Physics, Sussex, England. (Meetings Officer, 1P, 47 Belgrave Sq., London, SW1X 8QX, England)

9-13. James Ewing Soc., Honolulu, Hawaii. (A. S. Ketcham, Clinical Center 10N116, Natl. Cancer Inst., Bethesda, Md. 20014)

10-13. Tennessee Medical Assoc., Gatlinburg. (J. E. Ballentine, TMA, 112 Louise Ave., Nashville, Tenn. 37203)

11-13. Southern Soc. for Philosophy and Psychology, Tampa, Fla. (M. Loeb, Psychology Dept., Univ. of Louisville, Louisville, Ky. 40208)

11-13. American Assoc. of **Physical** Anthropologists, Amherst, Mass. (G. J. Armelagos, Dept. of Anthropology, Univ. of Massachusetts, Amherst 01002)

12. Utah Acad. of Sciences, Arts, and Letters, Salt Lake City. (H. Buchanan, Dept of Botany, Weber State College, Ogden, Utah 84403)

12-13. Colorado-Wyoming Acad. of Science, Laramie, Wyo. (J. T. Windell, Dept. of Biology, Univ. of Colorado, Boulder 80302)

14. Conference on Structure and Cognition: The Mutual Relevance of Structural Anthropology and Cognitive Anthropology, Geneseo, N.Y. (G. Erchak, Dept. of Anthropology, State University of New York College at Geneseo, Geneseo 14454)

15-17. American Assoc. of **Planned Parenthood Physicians**, Memphis, Tenn. (G. Covington, AAPPP, 810 Seventh Ave., New York 10019)

15-17. Society of Head and Neck Surgeons, Honolulu, Hawaii. (W. A. Maddox, 944 S. 18 St., Birmingham, Ala. 35205)

15-18. Pharmacology of Thermoregulation, 2nd intern. symp., Paris, France. (P. Lomax, Dept. of Pharmacology, Univ. of California Medical School, Los Angeles 90024)

15-19. American Education Research Assoc., Chicago, Ill. (R. A. Dershimer, AERA, 1126 16th St., NW, Washington, D.C. 20036)

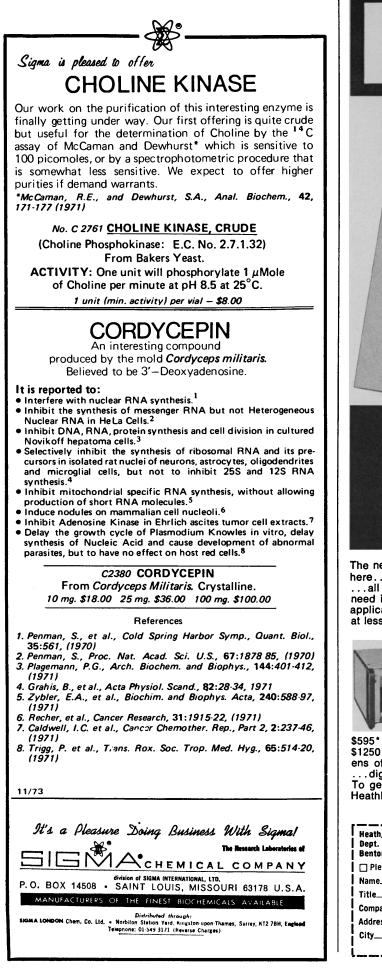
15-20. National Council of Teachers of Mathematics, Atlantic City, N.J. (J. D. Gates, NCTM, 1201 16th St., NW, Washington, D.C. 20036)

16-18. Technology of Controlled Nuclear Fusion Conf., American Nuclear Soc., San Diego, Calif. (G. R. Hopkins, Gulf General Atomic, P.O. Box 608, San Diego 92112)

16-19. International Conf. on Electron Spectroscopy, Namur, Belgium. (Conf. Office, Lab. de Spectroscopie Electronique, Facultes Univ., rue de Bruxelles, 61, B-500 Namur)

16-21. American College of Allergists, Paris, France. (E. Bauers, 2100 Dain Tower, Minneapolis, Minn. 55402)

17-18. American Geriatrics Soc., Toronto, Ont., Canada. (E. Henderson, AGS, Room 1470, 10 Columbus Circle, New York 10019)



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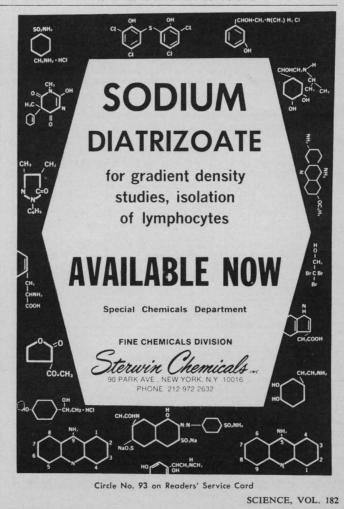


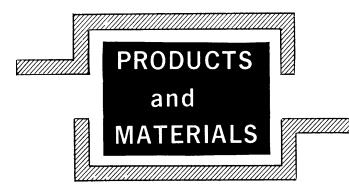
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### Fluorescence Microscope

The Fluoval (Fig. 2) instrument is designed for transmitted-light and incident-light excitation. It combines fluorescence with phase-contrast and darkfield illumination. The operator may use a cardoid condenser for fluorescence excitation in the dark-field light path. Other features include apochromatic objectives; continuous ambient light screening, stationary excitation and suppression filters; a high luminous intensity condenser with an attachment permitting luminous coverage of a large

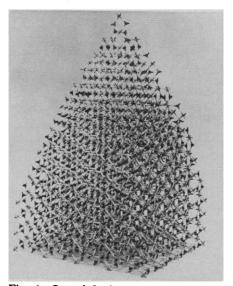


Fig. 1. Crystal lattice structure of rutile constructed from 2000 Minit atomic units from Science Related Materials. At a scale of 1.25 centimeters per angstrom unit, the structure stands more than 150 centimeters tall.

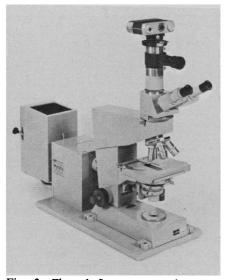


Fig. 2. Fluoval fluorescence microscope from International Micro-Optics features optics and illumination accessories built into a common base plate. A lever at the front allows the operator to change modes of examination easily.

field; and an adapter for photomicrographic equipment. Excitation is possible in the long-wave ultraviolet, blueviolet, and blue spectral regions. International Micro-Optics. Circle No. 137 on Readers' Service Card.

## Culture Sample Collection and Transport

Trans-Cul is a disposable system for the sampling and transport of microbiological specimens for culturing and identification. The system consists of a sealed sterile plastic envelope with two compartments. One compartment houses a sterile swab for collection, the other a transport culture medium. Two media, Stuart or Amies, are currently available. Performance under clinical conditions has been confirmed with Staphylococcus aureus, alpha and beta (hemolytic) streptococci, Pneumococcus sp., Klebsiella sp., Candida albicans, and other organisms. Trans-Cul systems are stable and effective for 1 year and are available in sizes of 100 or 1000 units per box. Wampole Laboratories. Circle No. 141 on Readers' Service Card.

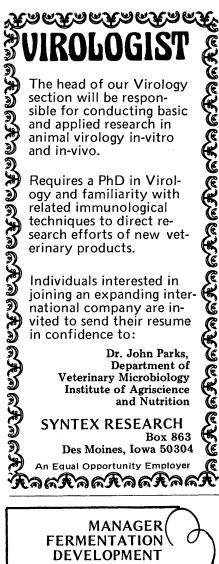
### Literature

Syringe and Tubing Pumps describes peristaltic, syringe, and portable microflow pumps. There is a specification chart for comparison of pump performance. Sage Instrument division of Orion Research, Incorporated. Circle No. 142 on Readers' Service Card.

Bulletin 8012A catalogs monitors for continuous control of pH and oxidationreduction potential. Delta Scientific Corporation. Circle No. 143 on Readers' Service Card.

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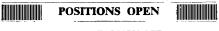
## POSITIONS WANTED

Anatomist-Histologist-Electron Microscopist, Ph.D. Desires senior academic teaching-research posi-Anatomist-Histologist-Electron Microscopist, Ph.D. Desires senior academic teaching-research posi-tion. Strong background in all phases of cell ultrafine structure. Extensive experience in trans-mission and scanning electron microscopy, and microprobe analysis of normal and pathological tissues. Active participation in teaching on both the undergraduate and graduate levels welcomed. Box 582, SCIENCE. X

Biochemist. Ph.D. 1971. Herpes virologist, ex-perience enzymes, affinity chromatography, gly-coproteins, lipids, antigens-antibodies. Publica-tions. Best work self-directed. Seeks sponsoring institution for grant applications. No grant, no commitment. Available July 1974. Box 583, SCIENCE. X

**Ph.D. Biochemist.** Experienced in natural product isolation and characterization, fungal physiology, differentiation in higher fungi, fermentation tech-nology; 12 years of teaching and 4 years of in-dustrial research. Wants academic, governmental, or industrial research position. Box 584, SCIENCE.

Human and General Geneticist. Presently Muscu-lar Dystrophy Research Fellow. Ph.D. (1965), 38, 10 years' full-time university, 5 years' other pro-fessional experience. Seeks academic position. 2266 Lake Circle, Jackson, Mississippi 39211. X



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Applications are invited for two new faculty positions at the Assistant or Associate Professor level, salary and rank depending on qualifications and experience. Applicants must hold the Ph.D. or M.D. degree and should have at least 2 years of postdoctoral experience and an active research program in one of the following fields: MOLECULAR BIOLOGY, CELL BIOLOGY, NEUROBIOLOGY OR PROTEIN BIOCHEM-ISTRY. Duties include teaching of medical and graduate students. Submit curriculum vitae and names of three persons who can provide letters of reference, not later than 1 January 1974, to Chairman, De-partment of Pharmacological Sciences, State University of New York at Stony Brook, Stony Brook, New York 11790. An affirmative-action, equal-opportunity employer.

### UNIVERSITY OF TORONTO ASSISTANT PROFESSOR OF BIOCHEMISTRY

ASSISTANT PROFESSOR OF BIOCHEMISTRY Applications are invited for the position of Assistant Professor in the Department of Bio-chemistry, to take effect from 1 July 1974 or as soon thereafter as possible. The successful appli-cant will be required to take part in the teaching duties of the department and to develop his own research program. The department is involved in teaching undergraduates in the Faculties of Medicine, Dentistry, Arts and Science, and Nurs-ing, as well as the Graduate School. The minimal salary for the position is \$14,300. Applicants with suitable qualifications should send a curricu-lum vitae and the names and addresses of three referees to Professor T. Hofmann, Department of Biochemistry, University of Toronto, Toronto, Canada M5S 1A8, to reach him not later than 31 January 1974.

## POSITIONS OPEN

The School of Natural Resources of The University of Michigan is seeking applicants for faculty positions in the following areas: BIO-LOGICAL SYSTEMS ECOLOGY AND WOODY PLANT PHYSIOLOGY. All applications should be directed in writing to Dean James T. McFadden, School of Natural Resources, The University of Michigan, 1064 Dana Building, Ann Arbor, Michigan 48104. A nondiscriminatory affirmative action employer.

A nondiscriminatory alfirmative action employer. The Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss., is seeking candidates for two positions: (1) ASSISTANT DIRECTOR OF BIOLOGICAL SCIENCES, (2) INVESTIGATOR IN THE BIOLOGICAL SEC-TION. Candidates with a background in phar-macological screens are of particular interest. Both positions require a Ph.D. degree in Phar-macology or Toxicology. Salary will be commen-surate with experience and equivalent academic positions. Interested persons should send bio-graphical data, publications, and so forth, to Dr. Carlton Turner, Associate Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss. 38677. An equal opportunity, affirmative action employer.

**BIOPSYCHOLOGIST-NEUROANATOMIST** 

BIOPSYCHOLOGIST-NEUROANATOMIST The University of Colorado at Boulder may soon appoint a Biopsychologist with strong com-petence in neuroanatomy. Skills in electron micros-copy are desirable. Substantive interests in de-velopmental processes or whole organism biology will also be welcome. Must display outstanding research competence or promise and be pre-pared to participate in both undergraduate and graduate teaching programs and to assume special responsibilities for teaching neuroanatomy. Ex-cellent laboratory space available. Candidates should send curriculum vitae and names of three references to: Professor Geraid E. McClearn Department of Psychology University of Colorado Boulder, Colorado 80302 The University of Colorado is an Equal Op-portunity Employer.

Portunity Employer. Position available 1 January 1974 in the Depart-ment of Medical Pharmacology and Therapeutics, University of California, Irvine, for a CARDIO-VASCULAR PHARMACOLOGIST to participate in medical teaching and the M.S.-Ph.D. program in pharmacology. Must be capable teacher and active researcher in cardiovascular pharmacology. Clinical opportunities available for M.D. Appli-cants should submit curriculum vitae, bibliography, statement of research plans and the names of three persons qualified to assess the candidate's research and teaching potential to H. W. Elliott, M.D., Chairman, Department of Medical Pharma-cology and Therapeutics, College of Medicine, University of California, Irvine, California 92664, The University of California is an Equal Opportunity Employer.

# UNIVERSITY OF CALIFORNIA, IRVINE SCHOOL OF BIOLOGICAL SCIENCES CHAIRMAN, POPULATION AND ENVIRONMENTAL BIOLOGY

ENVIRONMENTAL BIOLOGY To direct undergraduate and graduate programs in a growing innovative 12-member department within a large School of Biological Sciences. Candidates should submit curriculum vitae de-scribing administrative, research, and teaching experience as soon as possible to A. S. Boughey, Search Committee, School of Biological Sciences, University of California, Irvine, California 92664. Applications from all qualified candidates are welcome; minorities and women are encouraged to apply. to apply

CHAIRMAN OF CHEMISTRY DEPARTMENT: CHAIRMAN OF CHEMISTRY DEPARTMENT: Major urban university seeks applicants for the position of Chairman of the Department of Chemistry. Candidates should have proven re-search capabilities and be interested in excellence in instruction. Address inquiries to Dr. James C. Williams, Chairman, Search Committee, Depart-ment of Chemistry, Memphis State University, Memphis, Tennessee 38152, Deadline for receipt of statement of interest in the position is 1 February 1974. Memphis State University is an Affirmative Action/Equal Opportunity Employer.

The Department of Chemistry, Stanford University, is seeking assistant professorial candidates in **ORGANIC CHEMISTRY**. Preference will be given to areas of research in relation to the department's interests and needs. All applicants should provide evidence of truly exceptional accomplishment and future potential in both independent scholarship and teaching aptitude. Three confidential letters of reference, graduate and undergraduate academic transcipts, research publications, and a 1- to 2-page synopsis of future research plans are required to complete each application and should be sent to **Professor James P. Collman, Chairman, Canvassing Committee, Department of Chemistry, Stanford University, Stanford, California, 94305**, by 31 December 1973. All candidates who meet the above gualifications are urged to apply irrespective of race, sex, or ethnic origin. The Department of Chemistry, Stanford University, i

SCIENCE, VOL. 182

## POSITIONS OPEN

## AUSTRALIA UNIVERSITY OF NEW SOUTH WALES PROFESSOR OF CLINICAL PHARMACOLOGY

PROFESSOR OF CLINICAL PHARMACOLOGY Applications are invited for appointment to the above chair. Applicants should possess medi-cing, research, and clinical experience. The chair is in the School of Physiology and Pharmacology, but the successful applicant will also have appropriate status in the School of Medicine and may receive a clinical appointment at one or more of the University teaching hospi-tals. The professor will assist with the develop-ment of a teaching program, extending through-out the medical course, in which pharmacology will be integrated with the basic medical and participate in teaching and examining under-graduate and postgraduate students in the Uni-versity and the teaching hospitals and engage in and promote research and advanced study in the field of his chair. Basic salary \$Aust. 19,102 per annum. It is expected that a loading will also be payable. Subject to the consent of the University Council, professors may undertake a limited amount of higher consultative work. The University re-serves the right to fill any chair by invitation. For details and conditions of appointment wite to Appointments Office, P. O. Box 1, Kensington, N.S.W. 2033, Australia. Applications close 1 February 1974.

## THE JOHNS HOPKINS UNIVERSITY IS SEEKING A DEAN OF THE SCHOOL OF MEDICINE

DEAN OF THE SCHOOL OF MEDICINE The Johns Hopkins University School of Medi-cine, a leader in medical education and research since its founding in 1893, is now accepting ap-plications and nominations for the position of Dean. Persons with a distinguished record of ac-complishment in teaching, research, and admin-istration are invited to apply. It is anticipated that this opening for a leader in medical educa-tion will be filled by 1 September 1974. Applications and nominations will be considered without regard to race, religion, sex, or national origin, and should be sent to: Provost Harry Woolf, Chairman, Medical School Dean's Search Committee, The Johns Hopkins University, Balti-more, Maryland 21218. An Equal Opportunity/ Afirmative Action Employer.

### **DEAN, SCHOOL OF MEDICINE** UNIVERSITY OF PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA Applications or nominations are sought for the position of Dean of the School of Medicine, University of Pennsylvania. Qualifications include an evidence of scholarship in the medical sciences and administrative experience in a biomedical institution or university. An M.D. degree is desirable, but not essential. Letters of inquiry, applications, and nominations should be accompanied by a curriculum vitae. Direct communications through Dr. Howard Rasmussen, 403 Anatomy-Chem-istry Building, School of Medicine-G3, University of Pennsylvania, Philadelphia, Pa. 19174. An Equal Opportunity Employer.

In accordance with policy of Stanford Univer-sity, the Department of Dermatology of Stanford University School of Medicine invites applica-tions for qualified candidates in the field of DERMATOLOGY. Candidates must have passed the Dermatology Boards, as well as completed training in dermatology at an accredited institu-tion. Additional specialty training, including re-search experience is desirable. Stanford University has a faculty affirmative action program. Interested candidates are re-guested to submit their curriculum vitae to Dr. Eugene M. Farber, Professor and Chairman, Department of Dermatology, Stanford University School of Medicine, Stanford, California 94305.

### ECOLOGIST

**ECOLOGIST** The Ecology Section, Biological Sciences Group, University of Connecticut, invites applications from ecologists with an established research program in population, community or ecosystem ecology. We are primarily interested in identify-ing an especially strong candidate who can make a major contribution to our Ecology program. Rank and salary of the appointee are open to negotiation. Applications should include a curriculum vitae, names of at least three referees, reprints of papers, and a full description of research interests. Ap-plications should include a Sciences Group, University of Connecticut, Storrs, Conn. 06268 by 15 January 1974. The University of Connecti-cut is an equal opportunity employer with an affirmative action program.

14 DECEMBER 1973

POSITIONS OPEN



### CHAIRPERSON—BIOLOGY DEPARTMENT

CHAINTERSON—BIOLOGY DEPARTMENT Department seeks chairperson to administer ten-member department offering undergraduate and graduate (Ph.D.) degrees. Applicants should submit curriculum vitae to Search Committee, Department of Biology, Lehigh University, Beth-lehem, Pa., 18015 by 1 February 1974. Position starts July 1974. Letters of reference on behalf of selected applicants will be requested after an initial screening. An equal opportunity employer.

### **ELECTRON MICROSCOPIST-BIOCHEMIST**

ELECTRON MICROSCOPIST-BIOCHEMIST University of California School of Medicine seeks a candidate of international reputation to take charge of a new laboratory. Skills should include neuropharmacology, neuroanatomy, cellular aspects of aging, use of radioisotopes, mass spectroscopy, and electron microscopy. Applicants should be of sufficient stature to provide funding after first 3 years. Please send curriculum vitae to Chairman, Neurology/Pharmacology Screening Committee, Department of Pharmacology, University of Cali-fornia School of Medicine, Los Angeles, Calif. 90024.

All candidates who meet the above qualifications are urged to apply irrespective of race, sex, or ethnic origin.

We are seeking an individual with interests in EMERGENCY CARE, teaching, and administra-tion. The details of the appointment and salary can be obtained by contacting Ernest N. Kaplan, M.D. Division of Plastic and Reconstructive Surgery, R-213 Stanford University Medical Center Stanford, Calif. 94305

The Department of Mechanical and Aerospace Sciences has two vacancies at the Assistant Pro-fessor level. One position is for an **EXPERI-MENTALIST IN THE GENERAL AREA OF ENERGY.** A strong interest in plasma physics or radiation transport, or both, is desirable. Can-plications such as controlled thermonuclear fusion, MHD, energy conversion, and so forth. The other vacancy is for an **EXPERIMENTAL-IST IN FLUID DYNAMICS.** Candidates should have a broad background in fluid dynamics and related subjects. A strong interest in geophysical fluid dynamics is desirable. Candidates will be expected to conduct original

fluid dynamics is desirable. Candidates will be expected to conduct original research of significance, to teach graduate courses, and to teach undergraduate courses in our Me-chanical Engineering B.S. program. Full consid-eration will be given to all qualified candidates in accordance with the University's Affirmative Action Program. Applicants should send a résumé to Professor Alfred Clark, Jr., Chairman, Department of Mechanical and Aerospace Sciences, University of Rochester, Rochester, N.Y. 14627.

### LIMNOLOGIST, Ph.D.

LIMNOLOGIST, Ph.D. To teach courses in the Limnological area and introductory courses including General Biology. Preference will be given to applicants with inter-ests in invertebrates. Special facility in quantita-tive and/or physico-chemical methods desirable. Opportunities for participation in a growing grad-uate program in freshwater ecology and course development. Research expected. Opening at Assistant Professor level beginning fall 1974. Submit curriculum vitae and name of three refer-ences to: Dr. P. M. Johnston, Chairman, Depart-ment of Zoology, University of Arkansas, Fay-etteville, Arkansas 72701. The University of Arkansas is an Equal Opportunity Employer with an Affirmative Action Program.

an Agirmative Action Program. STATE UNIVERSITY OF NEW YORK AT BUFFALO DEPARTMENT OF MATHEMATICS Applications are invited from candidates who are excellent in both teaching and research for positions at the following levels: Assistant Pro-fessor, applied mathematics first priority; Assist-ant Professor or Associate Professor, analysis, applied mathematics and any other field; George William Hill and Emmy Noether Research Instructors, field unspecified (write for special application forms); all recruitment for fall 1974 openings. We invite applications from female and minority group mathematicians. SUNY at Buffalo is an Equal Opportunity/ Affirmative Action Employer. Persons interested in any of these positions should send their cur-riculum vitae and list of at least three references to: Dr. Nicholas D. Kazarinoft, Chairman

Dr. Nicholas D. Kazarinoff, Chairman Department of Mathematics State University of New York at Buffalo 4246 Ridge Lea Road Amherst, New York 14226

### TWO INSTRUCTOR POSITIONS

TWO INSTRUCTOR POSITIONS Positions available in the Department of Pathol-ogy, University of Michigan Medical School, for 1 July 1974, Must have M.D. degree and be Board certified in Anatomic and Clinical Pathol-ogy. Will support the Inteflex teaching program and assist the director and co-directors with the operation of the University Hospital-Clinical Laboratories. Send résumé to Box 586, SCIENCE. A Nondiscriminatory Affirmative Action Employer.

### **NEUROANATOMIST-NEUROSCIENTIST**

NEUROANA TOMIST-NEUROSCIENTIST A neuroanatomist Ph.D. and/or M.D. with inter-est and capabilities in a neuroscience teaching program for medical and graduate students, along with independent and/or collaborative research investigation. Salary and rank depend on qualifica-tions and experience. Apply to Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Medical Units, 800 Madison Avenue, Memphis, Tennessee 38163. Equal Opportunity/ Affirmative Action Employer.

# **OPPORTUNITIES** WITH A FUTURE!

The Environmental Sciences Division of Industrial BIO-TEST Laboratories, Inc., has the following positions available (all positions are for the Northbrook, Illinois, facility):

## Senior Scientific Programmer

M.S. or Ph.D. with mini-computer and remote terminal experience. Must be able to direct staff and develop computing capabilities for rapidly expanding department.

## **Bio-Statistician**

M.S. or Ph.D. with experience in design of biological sampling programs and analysis of ecological data.

### **Environmental Economist**

M.S. or Ph.D. with experience in preparing cost/benefit analysis in compliance with U.S. A.E.C. guides or equivalent specifications for industrial developments.

### Assistant Section Head

M.S. or Ph.D. with broad background and experience in aquatic biological sciences. Must assume technical responsibility for preparation of proposals, reports, and design of sampling programs, as well as share administrative responsibility for a 50-member scientific staff.

## Limnologist

Recent or pending Ph.D. to assist in the design and supervision of studies related to siting of industry and public utilities on the Great Lakes. An aggressive individual with a background in phytoplankton or zooplankton ecology is required. Working knowledge of biometrics and scientific writing is also desired.

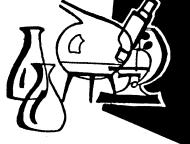
## Meteorologist/Air Quality Specialist

M.S. or Ph.D. with experience in the design and management of field meteorological programs, air quality programs, modelling, data evaluation, and report writing.

Industrial BIO-TEST Laboratories, Inc., through its Environmental Sciences Division, provides professional services to assist industries and utilities in design of environmental investigations, selecting sites, preparing Environmental Reports and performing preoperational and operational monitoring studies with its eight technical sections and on-site field study groups. BIO-TEST offers excellent opportunities for professional growth and has top companypaid fringe benefits.

Applicants should send résumé to: William A. Jeffry Personnel Manager

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McGaw Laboratories has an opening for a Physiologist, Pharmacologist, or Toxicologist with a graduate degree and 3 to 5 years' experience in the drug industry. Responsibilities include methods development as well as personnel super-vision. Salary will be commensurate with experi-ence. We will be relocating to Irvine, Calif, in late 1974. For confidential consideration, please send résumé with salary history to Mr. Roger Quarles.

McGAW LABORATORIES Division of American Hospital Supply Corp. 1015 Grandview Ave. Glendale, Calif. 91201

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New York University, Department of Psychology. Assistant Professor in Physiological Psychology. The department is interested in candidates of out-standing ability in both research and teaching. Please send curriculum vitae, publication list, and names of three references to: Professor Samuel Feldman Department of Psychology New York University New York, New York 10003

### PHYSIOLOGIST

Assistant Professor. Ph.D. or M.D., training in respiratory physiology, 2 to 3 years post-doctorate. Send résumé of interests, curriculum vitae, and names of two references to Chairman, Department of Physiology, College of Physicians & Surgeons, Columbia University, 630 W. 168 St., New York, N.Y. 10032.

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**Position Open:** 

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Applications are invited for head of Le Coombe Memorial Library serving the staffs of the Sloan-Kettering Institute For Cancer Research and the Memorial Hospital For Cancer And Allied Diseases. Background in Biochemical and Medical Science essential. Administrative experience desirable. Further information on inquiry to:

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## POSITIONS OPEN

## DEPARTMENT OF MOLECULAR BIOPHYSICS AND BIOCHEMISTRY, YALE UNIVERSITY

YALE UNIVERSITY An ASSISTANT PROFESSOR opening in this department will be filled for the coming aca-demic year. Candidates should have exceptional qualifications in research and in teaching. Appli-cants should send, before 9 February 1974, a curriculum vitae, list of publications, and names and addresses of three referees to: Franklin Hutchinson, Chairman, Department of Molecular Biophysics and Biochemistry, Yale University, Box 1937, Yale Station, New Haven, Conn. 06520. An Equal Opportunity/Affirmative Action

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### **POPULATION ECOLOGIST**

Research interests strongly oriented toward quantitative ecology with experience in applica-tion of modern mathematical techniques or in ecoenergetics. Will be expected to teach in gen-eral biology and in area of specialty. Position available fall 1974 at Assistant Professor rank. Send résumé and three references before 1 February 1974 to Y. B. Linhart, EPO Biology, University of Colorado, Boulder, Colorado 80302. An equal opportunity employer.

### UNIVERSITY OF SOUTH FLORIDA **COLLEGE OF MEDICINE** DEPARTMENT OF PSYCHIATRY

DEPARTMENT OF PSYCHIATRY Applications are invited from qualified individ-uals for the position of Professor and Chair-man of the Department. Applications must include a complete curriculum vitae and bibliography. Applicants should secure at least three letters of recommendation from professionals in the field and such letters are to be sent independently of the application. We are an equal opportunity employer and applications from women and members of minority groups are encouraged. Please send applications, curriculum vitae and bibliography, and letters of recommendation to: Search Committee, Dr. Lewis A. Barness, Chair-man, Department of Pediatrics, % Office of the Dean, University of South Florida Medical Cen-ter, Tampa, Florida 33620.

## POSITIONS OPEN

POSITIONS OPEN

## POSTDOCTORAL POSITION IN **ONCOGENIC VIROLOGY**

Position available 1 January 1974 for 1 year with possible extension for additional year to study in vitro viral carcinogenesis. Previous training in cell culture and in vitro transformation by oncogenic viruses essential. Stipend \$10,000 to \$12,000 per year. Please send curriculum vitae and copies of publications to:



Philip L. Morris **Battelle Columbus Laboratory** 505 King Ave. Columbus, Ohio 43201

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### STATE UNIVERSITY OF UTRECHT, The Netherlands

Applications are invited for the position of READER IN PHYSICS in the Dental School, State University of Utrecht. Interest and abilities should be in the field of physics related to dentistry (preferably oral biomechanics). The applicant is expected to contribute to research in this field. For this and for his teaching responsibilities he may also rely upon help from the department of medical physics. Teaching responsibilities cover introductory courses in physics for dental students and incidental contributions to the education of graduate students. Those interested, please send curriculum vitae, list of references, and other pertinent information before 1 January 1974 to Prof. H. J. L. Smeets, Dental Institute, Jutfaseweg 7, Utrecht, The Netherlands.

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## POSITIONS OPEN

### FACULTY POSITION

Available in the Department of Psychiatry, Uni-versity of Michigan Medical School. Candidate should be Boarded. Background in Internal Medi-cine would be an asset but is not required. To become Chief of Psychosomatic-Consultation Unit, directing its Clinical Service and education pro-grams for residents, medical students, and others. Should have well-published research background in general area of psychosomatic medicine, psy-chophysiology, or general hospital psychiatry, Rank dependent on qualifications. Send résumé to Box 587, SCIENCE. A Nondiscriminatory Affirmative Action Employer

INSTRUCTOR OR ASSISTANT PROFESSOR

Position available in the **Department of Radiol-ogy**, University of Michigan Medical School, for 1 July 1974. Candidate must be Board eligible or Board certified. The physician will take part in the programs of patient care, teaching, and re-search carried on in the Division of Radiation Therapy of the Department of Radiology. Will supervise the activities of the resident staff and aid in teaching of residents and medical students. Send résumé to **Box 588, SCIENCE**. A Nondis-criminatory Affirmative Action Employer.

#### **TWO INSTRUCTOR POSITIONS**

Available in the **Department of Radiology**, University of Michigan Medical School, for 1 July 1974. Candidates must be Board eligible or Board critified. The physician will take part in the programs of patient care, teaching, and research carried on in the Department of Radiology. Will supervise the activities of the resident staff and aid in teaching of residents and medical students. Send résumé to **Box 589**, **SCIENCE**. A Nondiscriminatory Affirmative Action Employer

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### **RESEARCH ASSOCIATESHIP**

In the Laboratory of Biophysics, Department of Biological Sciences, University of Denver, Denver, Colorado 80210, to carry out research in ultra-structural cytochemistry. Minimum qualifications include a doctoral degree and appropriate research experience.

### **RESEARCH SPECIALIST or FELLOW**

To carry out cellular biophysical research in the Laboratory of Biophysics, Department of Biologi-cal Sciences, University of Denver, Denver, Colo-rado 80210. Experience in ultrastructural work, enzyme histochemistry of cell isolation technique required. Bachelor's or master's degree and ade-quate postgraduate experience needed.

The Animal Reproduction Laboratory at Colo-rado State University is seeking applicants for a **RESEARCH ASSOCIATE** position. Duties will include teaching semen collection, processing and evaluation, research in seminal physiology, and supervision of a laboratory that is routinely pro-cessing semen. Minimum requirements are a Ph.D. degree in Reproductive Physiology with special emphasis on freezing semen. Previous ex-perience with packaging semen in straws is de-sired. Contact Dr. B. W. Pickett, Director, Ani-mal Reproduction Laboratory, Colorado State University, Fort Collins, Colorado 80521.

Positions available in the Biology Department of the University of Miami beginning in the fall of 1974 are: Vertebrate Ecologist, Developmental Biologist, Botanist, Biophysicist, Ethologist. Please send résumé to:

Dr. Leonard Greenfield, Chairman Biology Department P.O. Box 9118 University of Miami Coral Gables, Fla. 33124

## POSITIONS OPEN

SCIENTIFIC MEDICAL JOURNAL (high quality) in financial difficulties seeks purchaser or in-vestor. Eminently suitable for a Medical School, Hospital, Medical Association, or Foundation. Financial requirements modest. A number of op-tions are available. For further information write to Box 590, SCIENCE.

#### ASSISTANT PROFESSOR, SURGERY

Position available in the **Department of Surgery**, Orthopedics, University of Michigan Medical School. Two-year postresidency minimal training and experience required in pediatric orthopedic surgery. Send résumé to

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### VIROLOGIST UNIVERSITY OF ILLINOIS, URBANA SCHOOL OF BASIC MEDICAL SCIENCES

SCHOOL OF BASIC MEDICAL SCIENCES Opening available September 1974 for a Ph.D or M.D. virologist who will develop a vigorous re-search program, teach basic medical virology to medical students in an innovative instructional program, and participate in the training of gradu-ate students. Applicants must be demonstrably interested in both excellent teaching and research. Rank and salary commensurate with experience and ability. Submit curriculum vitae and names of three references to: Dr. Michael J. Weber, Department of Microbiology, University of Illi-nois, Urbana, Illinois 61801. The University of Illinois is an afirmative action, equal opportu-nity employer, and encourages applications from members of minority groups and women.

## CONFERENCE

The First Annual National Conference on Bio-medical Research Problems in a Changing World, will be held at the Sheraton Park in Washington, D.C., on 5, 6, and 7 February, spon-sored by the University of Maryland and Medi-Science, Inc. The latest developments and break-throughs in such strategic activity areas of bio-medicine as Heart, Vascular and Kidney Studies; Cancer Studies, Prosthesis Developments, Instru-mentation; Health Care Delivery and Biomedi-cal Ethics will be presented by the leading sci-entists of the country. For further information write or call Medi-Science, Inc. (Suite 807), 7979 Old Geogetown Road, Bethesda, Maryland 20014. Telephone 301-652-4700.

## COURSES

Temple University, Department of Biology, will offer two courses in Developmental Biology of Marine Invertebrates at the Marine Biological Laboratory, Wood Hole, Mass., 6 May to 2 June 1974. One course (4 credits) will consist of an intensive lecture and laboratory survey of the development of all major and some minor marine invertebrate phyla from both descriptive and ex-perimental points of view. The second course (4 credits) will provide an opportunity for guided research on a problem in invertebrate develop-ment. The courses run simultaneously and the research course requires a background in in-vertebrate development equivalent to the survey course. Space for 15 in the survey course and 5 in the research course. Tuition, \$216 (\$308 for out-of-state students) for each course; living costs, \$52 per week. For further information, write to: Dr. Richard L. Miller, Department of Biology, Temple University, Philadelphia, Pennsylvania 1912. Deadline for receipt of completed appli-cations, 31 January 1974. Accepted students will be notified by 15 February, at which time a tui-tion deposit of \$50 will be required to hold registration in either course.

### FELLOWSHIPS

### DOCTOR OF ARTS IN BIOLOGY

Applications for predoctoral fellowships are being accepted now for qualified students inter-ested in studying for the Doctor of Arts degree in Biology. Applicants must hold M.S. degree in Biology or its equivalent prior to the fall 1974 term. For details of this new program and ap-plication materials write to: Chairman, Depart-ment of Biology, Idaho State University, Pocatello, Idaho 83201.

### POSTDOCTORAL FELLOWSHIP

rosabotioRAL FELLOWSHIP in blood coagulation and fibrinolysis offers the opportunity for investigations into tissue and blood activators of fibrinolytic mechanism. Ph.D. in Biochemistry or Biological Sciences preferred. Send curriculum vitae and references to Dr. Edmund Cole, Section of Hematology, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois 60612.

### ASSISTANTSHIPS

PREDOCTORAL GRADUATE STUDENTS PREDOCTORAL GRADUATE STUDENTS In Immunology, Microbiology, Virology, Molec-ular Biology, Cellular Biology, and Oncology. Prerequisites: B.S. degree in biology, chemistry, or related fields with B average or better. U.S. citizenship required. Limited number of assistant-ships available. Inquiries should be submitted to Dr. Sheldon Dray, Head, Department of Micro-biology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.

## REQUESTS FOR PROPOSAL

TUMOR IMMUNOLOGY

The National Cancer Institute (NCI), National Institutes of Health, is interested in contracting for the following projects: Reference No. NCI-CB-43920-31—Biochemistry of Normal and Tumor Cell Surface Antigens. RFP Available

of Normal RFP A

RFP Available Reference No. NCI-CB-43921-31—Human Tu-mor-Associated Antigens and Corresponding An-tibodies. RFP Available Reference No. NCI-CB-43922-31—Organization and Dynamics of Cell Surface Membrane Com-ponents Relevant to Tumor Immunology. RFP Available Available

Available Reference No. NCI-CB-43923-31—Specificity of Antigen-Binding Receptors on T-Cells. RFP Available Reference No. NCI-CB-43924-31—Detection of Antigen-Binding Activity of Transplantable T-Cell Tumors. RFP Available Reference No. NCI-CB-43925-31—Serologic and Immunogenetic Investigations of Tumor Associ-ated or Normal Cell Surface Antigens. RFP Avail-able able

ated or Normal Cell Surface Antigens. RFP Available Reference No. NCI-CB-43926-31—Chemical Characterization of Purified Thymic Products or Other Agents Promoting Lymphocyte Differentia-tion. RFP Available Reference No. NCI-CB-43927-31—Mechanisms of Lymphoid Cell Differentiation. RFP Available Reference No. NCI-CB-43928-31—Identification. Separation, Quantitation and Characterization of Lymphocytes and Macrophages. RFP Available Reference No. NCI-CB-43929-31—Selective Stimulation or Suppression of Humoral or Cel-lular Immunologic Responses. RFP Available Reference No. NCI-CB-43930-31—Studies of the Mechanisms by which Tumors avoid Destruc-tion by the Immune System. RFP Available Reference No. NCI-CB-43931-31—Investigations of the Nature and Function of Immune-Related Cells in Tumor Masses. RFP Available Reference No. NCI-CB-43933-31—Development or Improvement of Techniques for In Vitro Sen-sitization of Human Lymphocytes. RFP Available Reference No. NCI-CB-43934-31—Development or Improvement of Techniques for In Vitro Sen-sitization of Human Lymphocytes. RFP Available Reference No. NCI-CB-43934-31—Development or Improvement of Techniques for In Vitro Sen-sitization of Human Lymphocytes. RFP Available Reference No. NCI-CB-43934-31—Development

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able **Reference No. NCI-CB-43934-31**—Genetic Con-trol of Immune Responses in Relation to Cancer. RFP Available **Reference No. NCI-CB-43935-31**—Production and Distribution of H-2 Recombinant or Mutant Congenic Strains of Mice. RFP Available **Reference No. NCI-CB-43936-31**—improved De-tection and Development of H-2 Recombinant Strains.

Strains.

Strains. A request for proposal for each project listed above is available on or after 10 December 1973, by written request to Contracting Officer, DCBD, Research Contracts Branch, National Cancer Institute, Room C-437, Landow Building, National Institutes of Health, Bethesda, Maryland 20014. Request for RFP must cite the reference number(s) of the desired project(s) as shown above. Requests for inquiries must be in writing. The deadline date for submission of proposals is contained in each request for proposal.

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