

Keep your copies of SCIENCE always available for quick, easy reference in this attractive, practical binder. Simply snap the magazine in or out in a few seconds—no punching or mutilating. It opens FLAT—for easy reference and readability. Sturdily constructed, this maroon buckram binder stamped in gold leaf will make a fine addition to your library.

SCIENCE Binders hold one three-month volume of SCIENCE. They have a 31/4-inch back and 13 flat fasteners. \$4.00 each. Four binders, \$15.00.

For orders outside the United States add 50¢ per binder. Imprint: name of owner, add 85¢ per binder; year of issues, for example, 1969-2, add 60¢ per binder.

SCIENCE • 1515 Massachusetts Ave., NW, Washington, D.C. 20005

Klett Summerson Photoelectric Colorimeter



KLETT COLONY MARKER and TALLY

This instrument takes the drudgery and error out of the counting of bacterial colo-



lett MANUFACTURING CO., INC., 179 East 87th Street, New York, 28, N.Y.

Circle No. 90 on Readers' Service Card

Try UNITRON'S new

The Model MPS is a precision instru-ment designed to meet the exacting requirements of science, education and industry. Ideal for work in chemistry, crystallography, biology, as well as the technology of paper, glass, textiles and petroleu

- . Evenieces: 5X (micro.), 10X (cross.)
- Objectives: 4X, 10X, 40X, achromatic, strain-free, centerable
 Nosepiece: quick-change type
- Substage condenser: focusable, 3-lens, swing-out top mount, iris diaphragm Polaroid polarizer: rotatable 360°
- Polaroid analyzer: in sliding mount
 Bertrand lens: centerable
- Stage: 115mm diameter, revolves 360°, reads to 6' with vernier
- 2 Compensators: quarter-wave plate and first order red plate
 Focusing: both coarse and fine

FREE TEN-DAY TRIAL

Quantity prices on three or more Accessory mechanical stage \$14.75

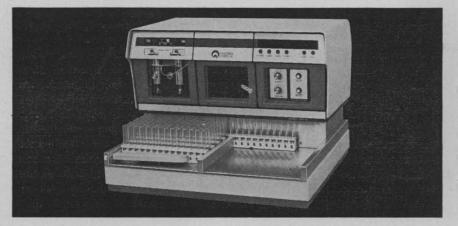


INSTRUMENT COMPANY . MICROSCOPE SALES DIV.

Please rush UNITRON's Microscop	e Catalog A-4
Name	
Company	
Address	
City	State
Lity	State

Circle No. 111 on Readers' Service Card

automate your high-volume pipetting procedures.



The Automated Pipetting Station from Micromedic Systems is the first instrument that dilutes or dispenses submicro volumes repetitively, automatically, with finer accuracy and technique than manual pipetting. And processes 450 standard test tubes per hour.

Check these features: Continuously variable micrometer volume adjustment. Range of 2 to 1000 μ l of sample, 2 to 5000 μl of diluent or reagent. Moving tube racks. Liquid delivery against tube wall, and automatic tip wiping between passes.

Shock-free liquid movement through Tef-Ion lines. Push-button controls. Plus the built-in accuracy and repeatability of our Automatic Pipette.

Send for literature, or call (215) 592-2401 for a demonstration.



Circle No. 70 on Readers' Service Card

SCIENCE, VOL. 174

Personnel **Placement**

POSITIONS WANTED

Biochemist, Ph.D., 2 years of postdoctoral training in x-ray crystallography; diversified research experience including synthetic organic, isolation of cellular components, enzymology, plant physiology and electron microscopy. Available now for university or industrial position. Box 449, SCI-ENCE.

B.Sci. (Biology) seeks practical experience bioacoustics (J.A.S.A. 16.6). Unmarried and travel; N.A preferred. Box 450, SCIENCE.

Internationally known **Biomedical Scientist** (230 publications, three textbooks) wants to relocate on West Coast. Brings equipment, government support. Box 451, SCIENCE.

Biologist, Ph.D., 33, 11 years of research/teaching. Background Aquatic Sciences, Biostatistics, Computer Programming, Research in fish and crustacean physiology, fisheries, aquaculture, Grants/publications. Box 410, SCIENCE. 12/24; 1/21

Biologist, Ph.D. (Genetics, 1965), 36, broad training, 10 years of full-time university experience. Special interest innovative undergraduate education. Desires position commensurate with background and interests. Box 437, SCIENCE. 12/24

Histologist; Anatomist-Electron Microscopist. Ph.D. Classic university background; European postdoctoral study. Broad basic experience in all phases of teaching and research. Desires senior research and teaching position where opportunity is available for development of an active research program in normal and abnormal cell structure and function; application of modern research techniques (transmission and scanning electron microscopy, x-ray spectroscopy, microprobe, etc.). Active participation in both graduate and undergraduate teaching welcomed. Box 452, SCIENCE.

ScD., Multidisciplinary Scientists-Educator. Biological-physical sciences. Currently head of department. Seeks relocation, preferably in Northeast by June. Most interested in higher level administrative position in medical school or university. Long, varied experience in college, university, public health school, and medical school teaching. Many publications and research interests. Box 453, SCIENCE.

Senior Experimental Neuropathologist, strong electron microscopy background. Ph.D., 41, over 60 publications, seeks relocation, research/teaching position, United States or Canada (preferably eastern). Box 454, SCIENCE.

POSITIONS OPEN

BIOCHEMIST

A senior position with an organization noted for the integrity of its products and in its dealings with employees.

The position—A Sr. Applications Biochemist—requires a person with a strong foundation in instrumental techniques. especially fluorescence and enzyme kinetics.

The person selected will serve in Applications Research, the technical branch of the Marketing Dept., performing such vital functions as:

- Working with the Field Sales force in demonstrating the effectiveness of our products in solving customer problems.
- Conducting individually selected research to broaden the instruments' areas of use.
- Evaluating new products and contributing to-ward the direction of new instrument activi-
- Training others in various aspects of Spectroscopy and instrumentation.

Please submit a detailed resume including list of publications and salary history to: C. M. McReynolds, Personnel Manager.

CARY INSTRUMENTS 2724 So. Peck Road Monrovia, Ca. 91016

An Equal Opportunity Employer

POSITIONS OPEN

BIOCHEMIST

INTERESTED IN HUMAN BEHAVIOR GENETICS. Open July 1972. Qualifications: (1) Competence in areas of biochemistry potenially related to human behavior. (2) Status as independent investigator. (3) Normal teaching load in Department of Genetics and Cell Biology. Dight Institute for Human Genetics, 10 Zoology, University of Minnesota, Minneapolis 55455.

Equal opportunity employer

STANFORD UNIVERSITY ASSISTANT PROFESSORSHIP IN BIOLOGY

Applications are invited from qualified person having research interests in **DEVELOPMENT NEUROBIOLOGY**. The successful candidate will be expected to develop a high quality research and graduate training program, to teach undergraduate courses in development or neurobiology, and to participate in undergraduate core course instruction.

The Department particularly welcomes applications from women and from members of minority groups.

cations from women and from memoers of minority groups.

Applications should include a curriculum vitae and three letters of reference, and should be sent prior to 1 January 1972, to Dr. Norman Wessells, Department of Biological Sciences, Stanford University, Stanford, California 94305.

THE DEAN OF THE SCHOOL OF SCIENCES AND MATHEMATICS, STEPHEN F. AUSTIN STATE UNIVERSITY

Stephen F. Austin State University (enrollment 10,000). Baccalaureate and graduate majors in Biology, Chemistry, Mathematics and Physics Baccalaureate and graduate minor in Geology. Baccalaureate minor in Military Science. Effective 1 August 1972. Salary \$20,000 to \$25,000.

Correspondence concerning the position and vitae should be directed to William D. Clark, Box 3040 SFA Station, Stephen F. Austin State University, Nacogdoches, Texas 75961. Letters should reach him by 15 February 1972.

UNIVERSITE DE MONTREAL

Professeur adjoint ou professeur agrégé. Ph.D. ou l'équivalent. Ecologiste (plantes à fleurs) spécialisé en autécologie expérimentale. Enseigner en français l'écologie végétale aux étudiants du B.Sc., ainsi qu'aux étudiants inscrits en maîtrise. Diriger quelques étudiants gradués dans des travaux de recherche choisis par le professeur Participer à d'autres activitiés départmentales. Traitement de \$11,000 à \$14,000 ou plus, selon les années d'expérience. S'adresser à J. L. Auclair, directeur, Départment des Sciences Biologiques, Université de Montréal, Case postale 6128, Montréal 101, Qué. (Envoyer un curriculum vitae détaillé).

UNIVERSITY OF SASKATCHENWAN Department of Veterinary Anatomy Requires

EM TECHNICIAN: Person with several years experience in electron microscopy needed to maintain Zeiss EM9A and Hitachi HU12 and HS8 microscopes, and perform routine work related to specimen preparation. Initial salary up to \$9000 per year with opportunity for advancement. Send résumé to L. W. Oliphant, Department of Veterinary Anatomy, University of Saskatchwan, Sasatoon, Saskatchewan, Canada.

MEDICAL RESEARCH

Nationally known cardiovascular instrument manufacturer is seeking Ph.D. or M.D. trained individuals with background in laboratory diagnosis, with emphasis on infectious diseases and immunodiagnostics. Some research experience mandatory. Possibility of part-time university association. Salary commensurate with background. Complete benefit package. Reply Technical Coordinator, P.O. Box 428, Buena Vista Station, Miami, Florida 33137.

Ph.D. PHARMACOLOGIST

Opportunity to work on a new concept of clinical drug evaluation. 1 to 2 years of industrial experience preferred. New York City location. Send curriculum vitae and salary requirement to:

Box 455, SCIENCE

POSITIONS OPEN

THE FACULTY OF BIOLOGY, UNIVERSITY OF HEIDELBERG, CHAIR OF MICROBIOLOGY

The University has instituted a new Chair of Microbiology and applications are invited from suitable persons with qualifications and research interests in any area of modern Microbiology. Applications including curriculum vitae and list of publications should be sent to Universität Hiedelberg, 69 Heidelberg 1, Grabengasse 1, West Germany, before 15 January 1972.

FELLOWSHIP

POSTDOCTORAL FELLOWSHIP IN MICROBIOLOGICAL CHEMISTRY

This Fellowship is available at the Research Council of Alberta (laboratories on the campus of the University of Alberta) in fundamental research related to lipid metabolism.

Applicants should be recent Ph.D. graduates. Previous experience in enzyme and/or lipid work is desirable.

The Fellowship is awarded on a 1-year basis with a maximum tenure of 2 years. The annual stipend, which is currently income tax free is \$6400, for the first year. No extra allowance is granted for travel.

Address inquires to:

The Director of Research

The Director of Research Research Council of Alberta U of A Campus EDMONTON 7, Alberta Canada

RESEARCH FELLOWSHIPS OF THE SCHIZO-PHRENIA RESEARCH PROGRAM OF THE SUPREME COUNCIL 33° A.A. SCOTTISH RITE, NORTHERN MASONIC JURISDIC-TION, U.S.A.

PURPOSE: The purpose of this Fellowship Program is to give support to a limited number of promising graduate students for a period during preparation of their doctoral dissertation in fields pertinent to the expansion of knowledge in schizophrenia. These fields are: (1) psychiatry, (2) psychology, (3) sociology and anthropology, (4) behavioral genetics, (5) neurocybernetics, epidemiology, and statistical theory, (6) biochemistry, (7) anatomy, (8) physiology, and (9) pharmacology. In general, candidates will be expected to have completed all requirements for the doctorate with the exception of the dissertation by the beginning of the fellowship year. The dissertation topic should have high potential relevance to some facet of research on schizophrenia, but it is not intended that support should be limited to applied projects or that relevance be narrowly construed.

STIPEND: The stipend will be \$3500 per annum with \$500 extra allowance per dependent up to a total of \$5000, in the expectation that the institution of the applicant will either forego the cost of the tuition or will afford the candidate the means to pay the tuition. In general, it will be assumed that no stipend other than this Fellowship will be a source of income for the candidate. Grants will be made for a period of one year, with a possibility of renewal in some instances.

APPLICATION: An application must be initiated by a letter from a sponsoring scientist

APPLICATION: An application must be initiated by a letter from a sponsoring scientist which includes: (a) evidence of the candidate's distinction in graduate performance, and (b) an outline of the research protocol to be pursued. If it appears that the candidate's qualifications and interests are appropriate, application forms will be sent.

Sponsoring letter should be sent as soon as possible to the Research Fellowship Program, The Supreme Council 33° A.A. Scottish Rite, Northern Masonic Jurisdiction, U.S.A., P.O. Box 519, Lexington, Mass. 02173. The awards will be announced by 1 April.

The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

Do You Need-

NITROGEN-15?

For lowest prices, call (415) 234-4130 or write for our newest isotope catalog.

36BIO·RAD Laboratories

32nd & Griffin, Richmond, Calif.

Zoom microscopy with the new Series Sixty adds a new dimension to learning. With infinitely variable magnification, your students can scan a wide field at the lower magnification range and immediately enlarge any interesting area up to 500X for a closer look. It gives a unique incentive to explore the micro world!

Specially designed wide-field eyepiece, with built-in pointer, is color-free and assures a crisp image. It also has high eyepoint, a specific benefit for the person with eyeglasses.

Flat-field, infinity-corrected, zoom optical system provides exceptional optical performance. You'll see all detail in fine sharp focus.

There's built-in slide protection, too. Autofocus stop and the retracting nosepiece eliminate damage to costly slides. Sturdy, student-proof design and construction assure many long years of reliable service.

For more information on the New AO Series Sixty Zoom microscope, contact your AO representative or write for our new booklet.

TM Reg., American Optical Corp.



Zoom from 100X to 500X ... nonstop with the new AO Series Sixty Microscope

Circle No. 2 on Readers' Service Card