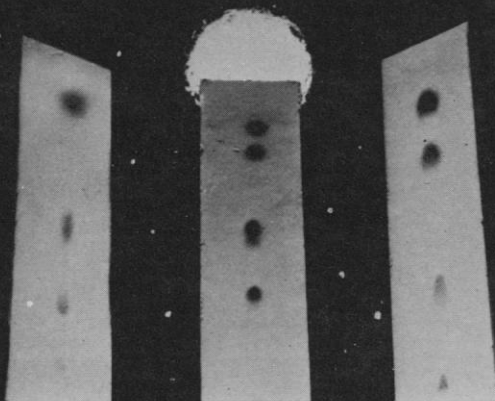


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AAAS Annual Meeting : San Francisco

Registration

24 February-1 March 1974

(E)

ADVANCE REGISTRATION FORM

- ☐ Enclosed is \$17 Registration Fee (Program and Convention Badge)
- ☐ Enclosed is \$22 Registration Fee (including spouse) (One Program and two Convention Badges)
- ☐ Enclosed is \$8 Young People and Student Registration Fee (Program and Convention Badge)

Are you a AAAS member?
Is this your first AAAS Meeting?

☐ Yes ☐ No
☐ Yes ☐ No

Please check your primary reason for attending the AAAS meeting.

☐ To participate in the program ☐ To attend certain general sessions ☐ Other

NOTE: PROGRAMS AND BADGES WILL NOT BE MAILED IN ADVANCE.

On or about 1 February, a program summary and a receipt will be mailed to each registrant. Please present your receipt at the ADVANCE REGISTRATION DESK at the San Francisco Hilton Hotel to pick up your program and badge.

Miss Ms. Mrs.

Dr. Mr. _____
(Last Name) (First) (Middle Initial)

MULTIPLE REGISTRATION:

(List full name for spouse and other registrants)

MAILING ADDRESS:

(For receipt and program summary) (Street) (City/State) (Zip Code)

INSTITUTION OR COMPANY:

(City) (State) (Zip Code)

CONVENTION ADDRESS:

Arrival
date:

Departure
date:

Mail to: American Association for the Advancement of Science, Dept. R,
1515 Massachusetts Ave., NW, Washington, D.C. 20005

OFFICE AND SESSION LOCATIONS

San Francisco Hilton: AAAS Headquarters Office; On-Site Registration Desk; Advance Registration Desk; Information Desk; Ticket Sales Desk; Message Center; Session Aides; Press Headquarters; AAAS Sciencephere (Exhibits); Science Film Festival; Invited Lectures.

*Symposia Topic Areas**: Energy and Society; Space Technology; Health and Behavior (Neurological Systems; Function; Drug Use and Drug Abuse); Population Trends; Environmental Evolution; Species Organization; Scientists and Government; Technology Assessment.

St. Francis: AAAS Office; Session Aides.

*Symposia Topic Areas**: Mathematics; Physical Universe; Engineering; Computer Technology; Environmental Education and Assessment; Animal Behavior; Land Use and Planning.

Sheraton-Palace: On-Site Registration Desk; Information Desk; AAAS Office; Session Aides.

*Symposia Topic Areas**: History; Philosophy of Science; Health Systems and Policy; Food; Control Mechanisms; Educational Policies and Trends; Minorities.

**See Preliminary Program for the precise locations of individual symposia.*

Child Care Services: Two agencies have been recommended for attendees requiring baby-sitting services. For further information contact:

Bristol Agency
540 O'Farrell Street
San Francisco, CA 94102
TEL: (415) 776-9100

The French-American Agency
133 Geary
San Francisco, CA 94108
TEL: (415) 781-3889

Travel: AAAS does **not** provide group travel arrangements for the San Francisco meeting. Please check with your travel agent or airline for the most economic air fares.

Reservations

HOTEL RATES* (Per Day)

The American Association for the Advancement of Science will hold its 1974 Annual Meeting in San Francisco, California, 24 February–1 March. The AAAS registration desks will be located at the San Francisco Hilton and Sheraton-Palace hotels. The following hotels will be used for housing:

Hotel	Single	Double	Twin	Suites†	Parking
1) SAN FRANCISCO HILTON ✕ (Headquarters Hotel) Mason and O'Farrell Streets (a) Main Building Rates	\$22 25 29 32 34	\$30 33 37 40 42	\$30 33 37 40 42	\$74 and up	Free parking for registered guests on 5th through 11th floors in Main Building (subject to availability). \$3.25 maximum charge for 12 hours; up to 24 hours add \$0.75. \$4.25 24 hours with in and out privileges for registered guests.
(b) Tower Rates	\$37	\$45	\$45	\$95 and up	
2) HOTEL ST. FRANCIS ✕ Union Square	\$22 26 30 34	\$28 32 36 40	\$28 32 36 40	\$65 and up	\$4.50 24 hours with in and out privileges for registered guests.
3) SHERATON-PALACE HOTEL ✕ 639 Market Street	\$23	\$27	\$27	\$43.50 and up	Commercial parking adjacent to hotel: \$3.75 & \$2.25 24 hours.
4) SIR FRANCIS DRAKE HOTEL ★ Powell and Sutter Streets	\$24	\$29	\$29	\$66 and up	\$4.50 24 hours with in and out privileges for registered guests.

* San Francisco Room Tax, 6%; \$4 to \$8 additional charge for cots and rollaway beds. If rate specified is not available, the next available higher rate will be assigned.

† One bedroom parlor suites; rates for larger suites available upon request.

✕ Up to two children accommodated at no extra charge if they occupy same room as parents.

★ Children under age 12 accommodated at no extra charge in same room with parents; three persons per room maximum.

HOTEL RESERVATIONS FORM

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Mail to: AAAS Housing Bureau
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San Francisco, CA 94102

CHOICE OF HOTEL: First _____ Second _____ Third _____

ROOM: ☐ Single ☐ Double ☐ Twin ☐ Suite Preferred Rate \$ _____

ARRIVAL: Date _____; _____ a.m. _____ p.m.

Be sure to list definite arrival and departure date and time. Hotel reservations will be held only until 6 p.m. unless otherwise specified.

DEPARTURE: Date _____; _____ a.m. _____ p.m.

NAMES AND ADDRESSES OF ALL OCCUPANTS OF ROOMS

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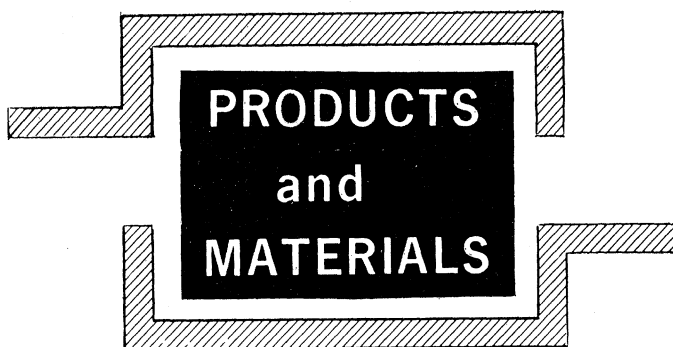
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Annular Stills

The model 251 performs separations of liquids with differences in boiling points as little as 0.5°C and the model 151 separates liquids with differences in boiling points of 2 degrees or more. With the model 251 still and a boiling point difference of 5°C, the operator can recover 100 percent of sample at a rate of 100 milliliters per hour. Perkin-Elmer Corporation. Circle No. 28 on Readers' Service Card.

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Improvements in liquid chromatography column efficiency result with small-diameter packing materials. Columns packed with μ Porasil demonstrate this. Thus, sample injections up to 100 microliters are practical with sample loads of 10 milligrams on a column. The material also contributes to lower column head pressure and recycle capability. Waters Associates. Circle No. 31 on Readers' Service Card.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card (see pages 474A and 554C) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER

Thin-Layer Chromatography

The model 7300 Automatic Thin-Layer Analytical System (ATLAS) can analyze from 1 to 100 consecutive samples in a single unattended operation. Spotting is automated and regulated as to location, rate, and quantity of sample. The capillary is cleaned with solvent after spotting. Plates, 5 by 20 centimeters, are fed to the spotter from a magazine. Development occurs in vertical tanks with a turntable to regulate sequential or concurrent development. The plates are automatically removed and dried after which they are scanned by a ultraviolet/visible detector. The results may be recorded via strip chart or digital devices. Lightner Instrument Company. Circle No. 29 on Readers' Service Card.

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Oceanic 35 and Oceanic 55 are 35- and 55-gallon marine aquaria. They are engineered to provide a stable marine environment over a long period. Both systems incorporate systems to control circulation, aeration, temperature, and filtration. In combination with the AquaChiller unit, refrigeration of the water is also achieved in these two systems. Jewel Industries, Incorporated. Circle No. 27 on Readers' Service Card.

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The Reichert system automates tissue processing. A specimen rack accommodates from one to four stacked stainless steel carriers which hold up to 46 disposable porous capsules. Up to ten chemical processing cycles may be selected, each may be repeated up to three times. The processor meters the appropriate solution into the containers and drains the containers after the selected time interval. A delay control allows the operator to select the starting time anytime up to 72 hours later so that processing will be completed at a designated time, thus a sequence could be run overnight or over a weekend with the completion scheduled for the operator's return to work. American Optical Corporation, Scientific Instrument Division. Circle No. 25 on Readers' Service Card.

Literature

An Introduction to pH, bulletin 7222 describes in simplified terms the concept of pH and some applications. Beckman Instruments, Incorporated. Circle No. 32 on Readers' Service Card.

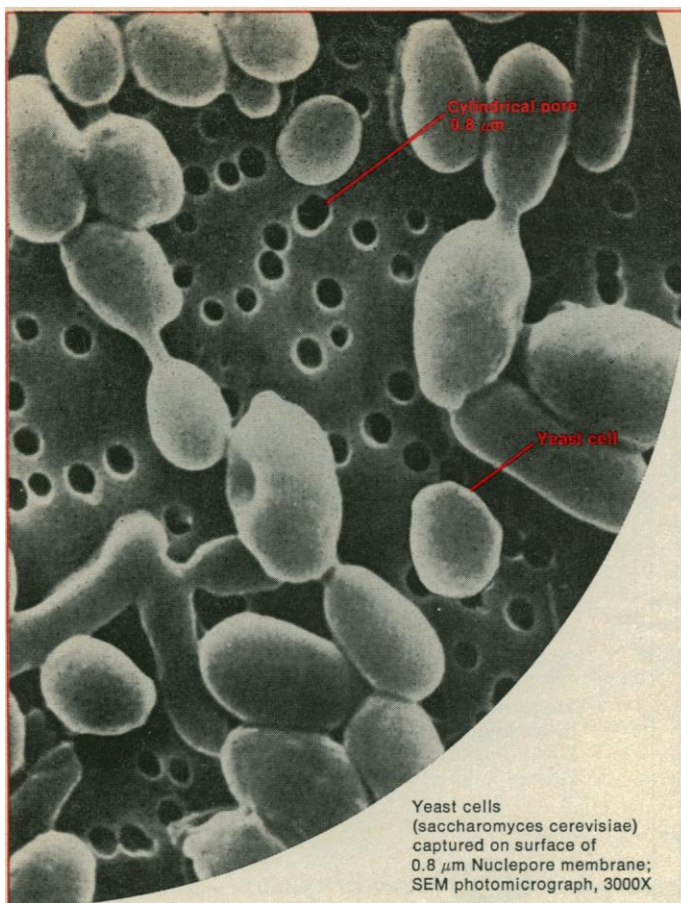
Modular System for Automatic Titrations details apparatus for a variety of applications in chemical laboratories. Mettler Instrument Corporation. Circle No. 33 on Readers' Service Card.

Guide to Dual FETS and Transistors is a 32-page summary of information on ten types of dual monolithic bipolar and field effect transistors. Analog Devices. Circle No. 34 on Readers' Service Card.

Monochromators features specifications, illustrations, and descriptions of nearly two dozen instruments and systems for wavelength selection. Schoeffel Instrument Corporation. Circle No. 35 on Readers' Service Card.

Microelectronics Microscope—Nacht 300 describes applications in qualitative and quantitative interferometry. Hacker Instruments, Incorporated. Circle No. 36 on Readers' Service Card.

Infrared Micro Sampling catalogs instruments and accessories for infrared analysis of small quantities. Barnes Engineering Company. Circle No. 37 on Readers' Service Card.



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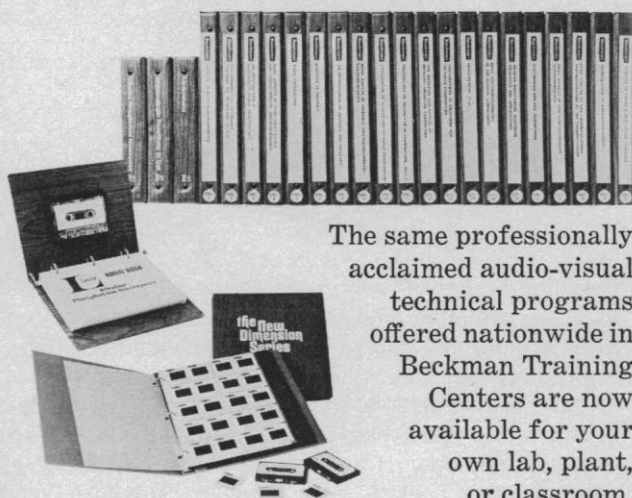
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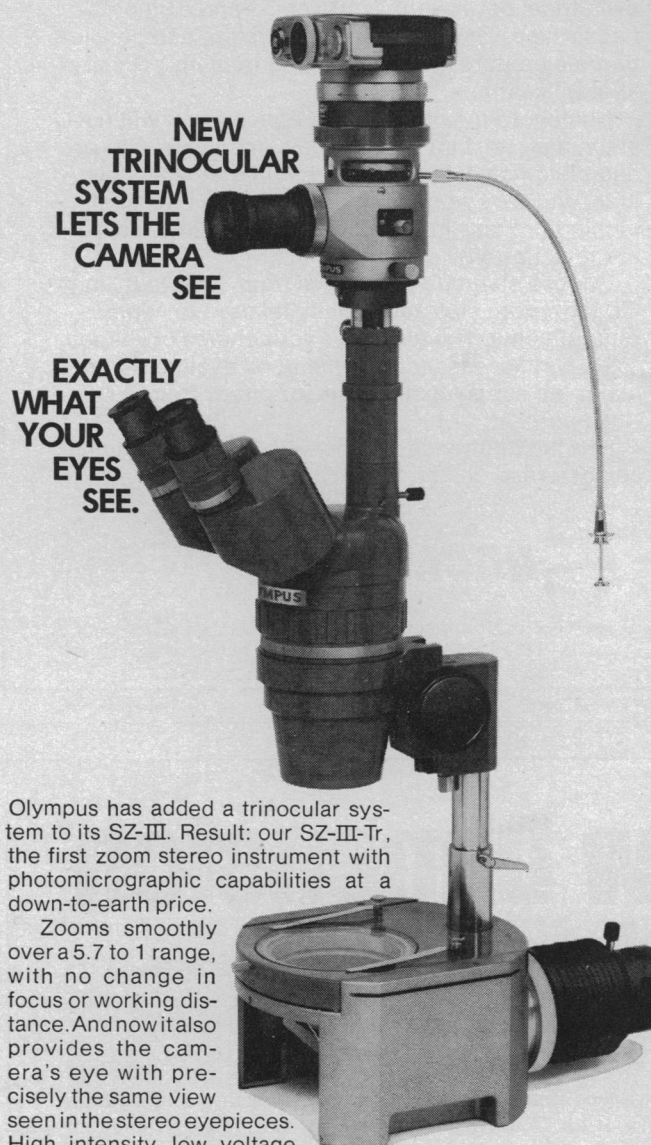
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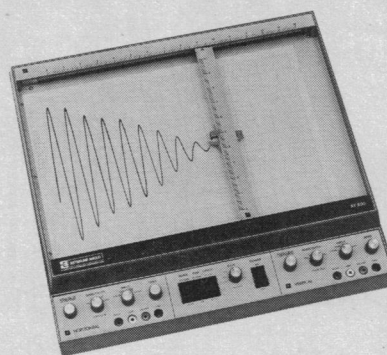
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SCIENCE, VOL. 183

Personnel Placement

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Washington, D.C. 20005

POSITIONS WANTED

Administrative Aide, M.S. Zoology; 2½ years' experience. Budget planning, building program committee, teaching assistant assignment, catalogue revisions, committee to review graduate program, some bookkeeping experience. Taught 3 years invertebrate zoology labs. Could mix administration with teaching. Box 48, **SCIENCE**. X

Anatomist-Neurobiologist-Electron Microscopist. Ph.D., 1972. Desires teaching and/or research position. Teaching credentials in zoology and anatomy departments. Research program in developmental neurobiology with adequate funding for next 2 years. Box 49, **SCIENCE**. X

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Biochemist/Organic/Physical: Ph.D. 1970, assistant professor investigating chemical and drug metabolism, enzyme isolation and assays, chemical mutagenesis. Previous research under well-known supervisors includes: membrane and protein structure using fluorescent labels, complexes, photochemistry, free radicals. Experience with common analytical and separation techniques. Some tissue culture and cell fractionation. Ten publications. Fluent German. East. Box 52, **SCIENCE**. X

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Biochemist, Ph.D. 1972. Postdoctoral experience in lipid neurochemistry-metabolism. Strong analytical background in lipid methodology. Several publications. Desires academic, postdoctoral, or industrial position in New York State or New England. Box 17, **SCIENCE**. 2/15, 22; 3/1

Biologist, Ichthyologist. Ph.D., 10 years of college teaching. Biology, zoology, ecology, vertebrate zoology, oceanography, biology of fishes. Desires teaching position. Box 55, **SCIENCE**. X

POSITIONS WANTED

Biologist, Ph.D. (genetics, 1965), postdoctoral, broad training, dedicated, excellent teacher, 15 years of professional experience. Special interest innovative undergraduate programs. Seeks academic position. 2266 Lake Circle, Jackson, Mississippi 39211. 3/15

Biophysicist/Tumor Immunologist. Ph.D., 3 years of postdoctoral research, humoral and cellular immune response to mouse tumor-associated antigens, mammalian normal and tumor cell culture, macromolecular structure, x-ray scattering, Publications. Desires appropriate research, teaching or industrial position, Box 56, **SCIENCE**. X

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Ecophysicist/Theoretical Physicist doing research in ecology, book published on subject, 23 years of research and teaching, many publications, seeks research/teaching position. Wesley, Physics Department, University of Missouri, Rolla, Mo. 65401. X

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Research/Development/Innovation Manager. Scientist with proven ability in research, development and new product search with industry. Wide experience: trained as a physicist, latest success—a major development in clinical microbiology. Present job a dead end; seeks stimulating senior industrial position. Box 63, **SCIENCE**. X

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Appointment available at Rosenstiel School of Marine and Atmospheric Science, University of Miami, for an aquatic ecologist interested in quantitative population or community ecology with particular interest in food chain dynamics and community structure. Responsibilities will include teaching and the designing and coordination of field research. Level of appointment would be commensurate with qualifications. Inquiries should be submitted to:

James H. Carpenter
Chairman—Search Committee
RSMAS, University of Miami
10 Rickenbacker Causeway
Miami, Florida 33149

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Nondepartmental, interdisciplinary, undergraduate program in science for nonscientists. Applicants holding Ph.D. in earth or life sciences preferred. Responsibility for developing courses for non-science majors plus some teaching and research in major field. Submit résumé, three references, and statement of approach to the position to **Academic Vice President, Providence College, Providence, R.I. 02918.** *An Equal Opportunity/Affirmative Action Employer.*

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University of Western Ontario. Applications are invited for the position of Assistant or Associate Professor. Responsibilities involve teaching undergraduate and graduate students and conducting a research program in Biochemistry, Ph.D. and research experience in fields of physical biochemistry, membrane biology, or related areas will be given preference. Send curriculum vitae and three references to **Dr. W. C. McMurray, Secretary, Selection Committee, Department of Biochemistry, University of Western Ontario, London, Ontario, Canada, N6A 3K7.**

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Position open 1 July 1974, involving teaching of Medicinal Chemistry and participating in research efforts of the department. Requirements include training as a medicinal chemist, preferably with B.S. in pharmacy, 1 year of postdoctoral experience, ability to do and to direct synthesis of labeled compounds and experience with spectroscopic instrumentation, including mass spectrometry and nuclear magnetic resonance.

Please send three professional references together with your most significant publications by 28 February 1974 to **Dr. Nicolas Zenker, Chairman, Department of Medicinal Chemistry, 636 West Lombard Street, Baltimore, Maryland 21201.** *An equal opportunity/affirmative action employer.*

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Positions available for 1 September 1974 in the Department of Biology at the rank of Assistant or Associate Professor. Earn Ph.D. with teaching and research experience; postdoctoral experience in research highly desirable; areas involved are physiology (vertebrate and invertebrate and comparative); genetics (microbial and mammalian); biochemistry (proteins and nucleic acids). Candidates seriously considered will be invited to give a seminar and be interviewed by staff of department and deans. Equal opportunity employer; salary open. Send résumé to: **Dr. Alfred V. Liberti, Chairman, Department of Biology, St. John's University, Queens, N.Y. 11439.**

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Brookhaven National Laboratory

Associated Universities Inc.
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Applications are invited for the position of **ASSISTANT PROFESSOR IN THE DEPARTMENT OF BIOLOGY** at the University of California, San Diego. Candidates should have demonstrated the capacity to do meritorious research and be prepared to participate in the teaching of developmental physiology and comparative zoology at the introductory and advanced levels. Candidates should submit their curriculum vitae, including a list of publications, and three letters of recommendation. The position is open 1 July 1974, and applications or requests for further information should be sent to **Dr. Richard W. Dutton, Chairman of the Biology Department, University of California at San Diego, P.O. Box 109, La Jolla, Calif. 92037.** *The University of California is an equal opportunity employer.*

UNIVERSITY OF LEICESTER SCHOOL OF BIOLOGICAL SCIENCES Botany Department

Applications are invited for a Senior Lectureship or Readership (within the scale £4368 to £5496 per annum) in Plant Taxonomy to take up appointment from 1 October 1974 or as soon thereafter as possible. The person appointed will be responsible for the teaching of taxonomy in the School and for the supervision of the Herbarium (approaching 10,000 specimens), and will be expected to help in the development of the University Botanic Garden.

Applications should reach the Registrar, University of Leicester, by 23 February 1974, from whom further particulars may be obtained.

CHAIRMAN

Position available in the Department of Physical Medicine & Rehabilitation, University of Michigan Medical School. Candidate must be Board certified Physiatrist and have administrative experience in managing varied health personnel. Code #100E. Send résumé to

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DEAN SCHOOL OF NATURAL RESOURCES THE UNIVERSITY OF MICHIGAN

The School of Natural Resources of the University of Michigan is seeking candidates for the position of Dean. Individuals with strong scholarly ability and potential for effective administrative leadership are desired.

Applications and nominations should be directed in writing, by 1 March, to **Professor Richard N. L. Andrews, Search Chairman, School of Natural Resources, The University of Michigan, Ann Arbor, Michigan 48104.**

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DEVELOPMENTAL BIOLOGIST

The Department of Biology invites applications from Developmental Biologists for a permanent faculty position (Assistant or Associate Professor). Candidates should be prepared to teach in undergraduate and graduate courses, to develop an independent research program, and supervise graduate students. Rank and salary are open and commensurate with experience. Applicants are requested to submit a curriculum vitae and at least three letters of recommendation by 20 February 1974 to **Chairman, Department of Biology, University of South Florida, Tampa, Florida 33620.** *An equal opportunity/affirmative action employer.*

POSITIONS OPEN

MEMORIAL UNIVERSITY OF NEWFOUNDLAND FACULTY OF MEDICINE

Director of Multidiscipline Teaching Laboratories and Faculty Member

A vacancy exists for the above position to be filled effective 1 September 1974. This post is suited to basic medical scientists with experience and interests in medical education, in particular, laboratory work including projects and electives in the cell sciences, physiology, and pharmacology. The Director will be responsible for the administration of the Laboratories and will actively participate in the planning and execution of the Laboratory activities and in other aspects of the curriculum. The Multidiscipline Laboratories have recently been built as part of the new Health Sciences Complex. There is an associated Director's research laboratory and administrative offices; the technical and support staff is of high calibre.

Rank and salary will be according to qualifications. Send application and curriculum vitae as soon as possible and, in any case, not later than 28 February 1974, to **Dr. K. B. Roberts, Associate Dean, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland.**

DIRECTOR OF ELECTRON MICROSCOPY FACILITY

Applications are invited for appointment as Director of new high resolution electron microscopy facility serving several active research groups in the areas of cell and molecular biology. Joint appointment in Departments of Microbiology and Physiology with rank of Assistant Professor. Opportunities for both collaborative and independent research and for graduate and medical student teaching. Experience with both conventional and specialized techniques of electron microscopy, including freeze-etching, is desirable.

Please send complete curriculum vitae, list of publications, and names and addresses of three references to:

**Dr. Lawrence Rothfield or
Dr. Richard Berlin
University of Connecticut
Health Center
Farmington, Connecticut 06032**

Applications from women and members of minority groups are welcomed.

The National Commission on Water Quality, a federal agency, is soliciting applications for staff positions within the **Environmental Sciences Program**. Necessary qualifications include an earned graduate degree or equivalent training in some area of freshwater or marine ecological sciences. Special consideration will be given to those applicants who possess expertise, training or experience in ecosystem level studies. Demonstrated in-depth knowledge of current aquatic ecological literature is a necessary prerequisite. Successful applicants must be capable of reviewing pertinent literature and data, and in summarizing information and writing reports on specified topics. Other duties will include working with and assisting personnel in other sections of the Commission staff. Applicants will be requested to relocate to the Washington, D.C., area soon after acceptance as a staff member. Salary negotiable, but commensurate with training and experience. Interested persons should submit a detailed curriculum vitae and three letters of recommendation as soon as possible directly to: **Dr. Harold Allen, Director, Environmental Sciences Program, National Commission on Water Quality, P.O. Box 19266, Washington, D.C. 20036.**

EXPERIMENTAL PSYCHOLOGIST— RESEARCH ASSOCIATE

Ph.D. 1 June or about. Salary competitive. Acquaintance with operant conditioning and laboratory procedures with animals will be helpful. Responsibilities: manage a substantial laboratory; conduct sponsored research; conduct own research. Equipment and personnel support for original research available. Interested persons should request particulars from **Dr. F. C. Clark, Department of Psychology, University of Mississippi, University, Miss. 38677.**

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FACULTY POSITION IN BIOLOGY

Retirement of a senior member will create a vacancy for September 1974. Applicants at any level will be considered. Priority will be given to senior applicants who are interested in teaching a modern undergraduate course in anatomy or histology, as well as sharing graduate courses and directing graduate students. Research should complement that of the existing faculty in cell and developmental biology, neurobiology, or physiology. For further information, please write to **S. T. Takats, Chairman, Department of Biology, Temple University, Philadelphia, Pa. 19122,** or send curriculum vitae and names of references directly.

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Openings are available on the Research and Development Systems staff for the following:

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The hardware environment is IBM 370/158 (HASP-RJE), DEC-10 Time Sharing, and CRT data entry development.

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New York University Dean

Graduate School of Arts & Science

New York University invites nominations and applications for the position of Dean of the Graduate School of Arts and Science, the appointment to become effective 1 September 1975 or earlier.

The Graduate School of Arts and Science has an enrollment of approximately 4,000 Full and Part Time students. Its faculty of more than 600 includes many prestigious scholars. It is one of 12 schools that comprise New York University—one of the largest private universities in the world.

Applicants should have achieved sufficient stature in an academic discipline to be eligible for a tenured appointment and should be able to provide leadership in shaping and meeting the goals of a graduate school of arts and science in a comprehensive urban university.

Salary to be determined, depending upon qualifications and experience. Letters of application, with vita and lists of publications and references, should be sent to the chairman of the search committee:

Professor H. W. Janson
Department of Fine Arts
914 Main Building

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FACULTY POSITION

Assistant Professor, Oral Biology Section, School of Dentistry and Microbiology, and Immunology Department, School of Medicine, commencing 1 July 1974. Participate in teaching dental, medical, and graduate students microbiology and immunology and oral biology. Expertise is required in virology. Must have research experience in the area of viral and/or ulcerative diseases of the oral cavity.

Women and minority candidates are encouraged to apply.

Applicants should submit a curriculum vitae (including publication list), a summary of any teaching and postdoctoral experience, a statement of short- and long-range research plans, and the names of three persons qualified to assess the candidate's research and teaching potential.

To ensure consideration, the application and accompanying documentation should be received by either the **Chairman, Oral Biology Section, School of Dentistry**, or the **Chairman of the Department of Microbiology and Immunology, School of Medicine, Center for the Health Sciences, University of California, Los Angeles, Calif. 90024**, by 28 February.

GEOGRAPHER

ASSISTANT PROFESSOR. Permanent position. Fall 1974. Ph.D. must be completed or immediately pending. Undergraduate and graduate teaching in applied man-environment problems in developed societies. Contemporary analytical and theoretical competence is essential. Pennsylvania State offers special opportunities for those who wish to work closely with scholars in related earth, biological, and social sciences as well as in interdisciplinary institutes. Inquiries should be accompanied by résumés, statement of teaching and research interests, and names of three referees. Apply: **Wilbur Zelensky, Head, Department of Geography, Pennsylvania State University, University Park, Pa. 16802**. Telephone 814/865-3433.

HERPETOLOGIST

Ph.D., to teach and conduct research in herpetology, systematics, and evolutionary biology. Position available 1 July 1974 or 15 August 1974. Send complete résumé with three letters of recommendation to **Search Committee, Department of Zoology, Clemson University, Clemson, S.C. 29631**.

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LIMNOLOGIST

International consulting firm specializing in the development of water resources invites applications for the position of limnologist in its Department of Environmental and Recreation Studies. Applicants should possess an advanced degree. Submit résumé to: **Mr. Saletta, Harza Engineering Co., 150 S. Wacker Dr., Chicago, Ill. 60606**.

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PROFESSEUR D'ÉCOLOGIE VÉGÉTALE

Qualités requises: Ph.D. ou D.Sc. et expérience de recherche en écologie végétale, de préférence sur les plantes supérieures et avec aspects physiologiques ou génétiques plutôt que phytosociologiques. Possession de la langue française parlée et écrite.

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Toute personne intéressée à poser sa candidature est invitée à écrire à:

**Professeur Pierre Policoeur, Directeur
Département des Sciences Biologiques
Université de Montréal
Case postale 6128
Montréal 101, Québec, Canada**

POSITIONS OPEN

MEMBRANE BIOCHEMIST

Postdoctoral position available in the area of mitochondrial membrane enzymology and transport. Starting date flexible. Salary \$9000 per 12 months with possibility for renewal. U.S. citizen or permanent resident. Send curriculum vitae and names of referees to: **Dr. Ronald R. Fisher, Department of Chemistry, University of South Carolina, Columbia, South Carolina 29208**. *An Equal Opportunity/Affirmative Action Employer.*

FACULTY OPENING IN NEUROANATOMY

The successful applicant will be expected to develop a research program in neuroanatomy relevant to some aspect of sensory systems and to participate in graduate education in the Neurosciences Program. Either established investigator or highly promising recent Ph.D. Send curriculum vitae and brief description of career objectives to **Dr. H. G. Sperling, Director, Sensory Sciences Center, The University of Texas, Graduate School of Biomedical Sciences, Texas Medical Center, Houston, Texas 77025**.

PHYSIOLOGIST

Assistant Professor level. To join existing research operation. Limited medical and graduate school teaching responsibilities. Prefer persons in microcirculation, circulation or pulmonary function. Contact: **Dr. Charles H. Wells, Shriners Burns Institute, The University of Texas Medical Branch, Galveston, Texas 77550**. (713) 765-2058.

PLANT PHYSIOLOGIST PLANT DEVELOPMENT BIOLOGIST NEUROPHYSIOLOGIST OR BEHAVIORAL BIOLOGIST ECOLOGIST (SYSTEMS, POPULATION, OR COMMUNITY) PHYSIOLOGIST (MEMBRANE OR CARDIOVASCULAR)

Faculty positions are available to teach courses and develop graduate and undergraduate programs in each of the above subdisciplines in a Biology Department which encompasses botany, microbiology, and zoology. Rank and salary dependent on qualifications of candidate.

Applications must include curriculum vitae, list of publications, areas of research interest, and names of three referees. This information should be sent to:

**Albert Siegel, Chairman
Department of Biology
Wayne State University
Detroit, Michigan 48202**

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POPULATION BIOLOGIST WITH EMPHASIS ON PLANTS

Faculty position in strong undergraduate department. Duties include teaching ecology, co-teaching organismal biology, and probable involvement in related courses. Ph.D. required. Applications accepted until 1 March. Send curriculum vitae, transcripts, and three letters of recommendation (or write for further information) to: **Dr. JoAnn S. Jensen, Chairman, Department of Biology, Pacific Lutheran University, Tacoma, Washington 98447**. *An equal opportunity employer.*

PUBLIC HEALTH NUTRITIONISTS

Ph.D. or equivalent. Responsibilities include both teaching and research. Please send inquiries to

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Available immediately for research on structure and metabolism of NMN: ATP adenyllyl transferase. Ph.D. in Biochemistry for a period of 2 years. Send curriculum vitae to:

**Dr. LeRoy Kuehl
Department of Biochemistry
University of Utah
Salt Lake City, Utah 84132**

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Science and engineering for industry. Salary up to \$14,000 or negotiable. Background preferred in fluid mechanics and/or heat and mass transfer and/or reaction kinetics; with future interests in fuels, flames, furnaces, gas, oil, and coal combustion and gasification. Replies to:

**Dr. R. H. Essenhigh
Combustion Laboratory
The Pennsylvania State University
University Park, Pa. 16802
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POSTDOCTORAL RESEARCH ASSOCIATE IN CANCER BIOLOGY

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RESEARCH ASSOCIATE

Coronary Circulation Physiology. Candidates with a Ph.D. or M.D. please write:

**Dr. Eric O. Feigl
Department of Physiology & Biophysics SJ-40
University of Washington Medical School
Seattle, Wash. 98195**

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RESEARCH INVESTIGATOR

Ph.D. in biochemistry, preferably with experience in protein chemistry and purification to work on activation and properties of proteolytic enzymes. Position available immediately. Salary \$9,000 to \$12,000 depending on experience. Send résumé and two letters of reference to: **Dr. R. W. Colman, Maloney 573, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, Pa. 19104**.

SENIOR FACULTY POSITION Department of Physics and Astronomy University of Iowa

Applications are invited from persons with demonstrated originality and substantial achievement in theoretical plasma physics/astrophysics as relevant to planetary magnetospheres, solar and interplanetary phenomena. Undergraduate and graduate teaching. Personal research and guidance of graduate student research.

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Write: **Prof. J. A. Van Allen
Department of Physics and Astronomy
University of Iowa
Iowa City, Iowa 52242**

DEPARTMENT CHAIRMAN

Applications or nominations are sought for the position of **Chairman of the Department of Zoology and Entomology**. The Department comprises 22 faculty with interests in environmental and population biology, behavior, comparative physiology, toxicology, parasitology, vertebrate and invertebrate zoology and biological control. Applications should be received by 1 March 1974. The appointment is effective 1 July 1974. Letters of inquiry, curriculum vitae, and names of suggested references should be sent to the **Chairman of the Search Committee, Dr. Norman R. French, GERL, Colorado State University, Fort Collins, Colorado 80521**.

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MOLECULAR TECHNIQUES IN DEVELOPMENTAL BIOLOGY

Seventh Annual Summer Workshop to be held 8 July to 27 July 1974 at the San Diego (La Jolla) campus of the University of California. Lecture and laboratory instruction will present molecular and biochemical techniques useful to developmental biologists, plant and animal physiologists. Enrollment restricted to 22 participants. Limited travel and subsistence funds available. Workshop sponsored by National Science Foundation and UCSD. For further information and application forms write to **Dr. Stephen H. Howell, Department of Biology, University of California, San Diego, La Jolla, Calif. 92037**. Deadline for applications: 1 April 1974.

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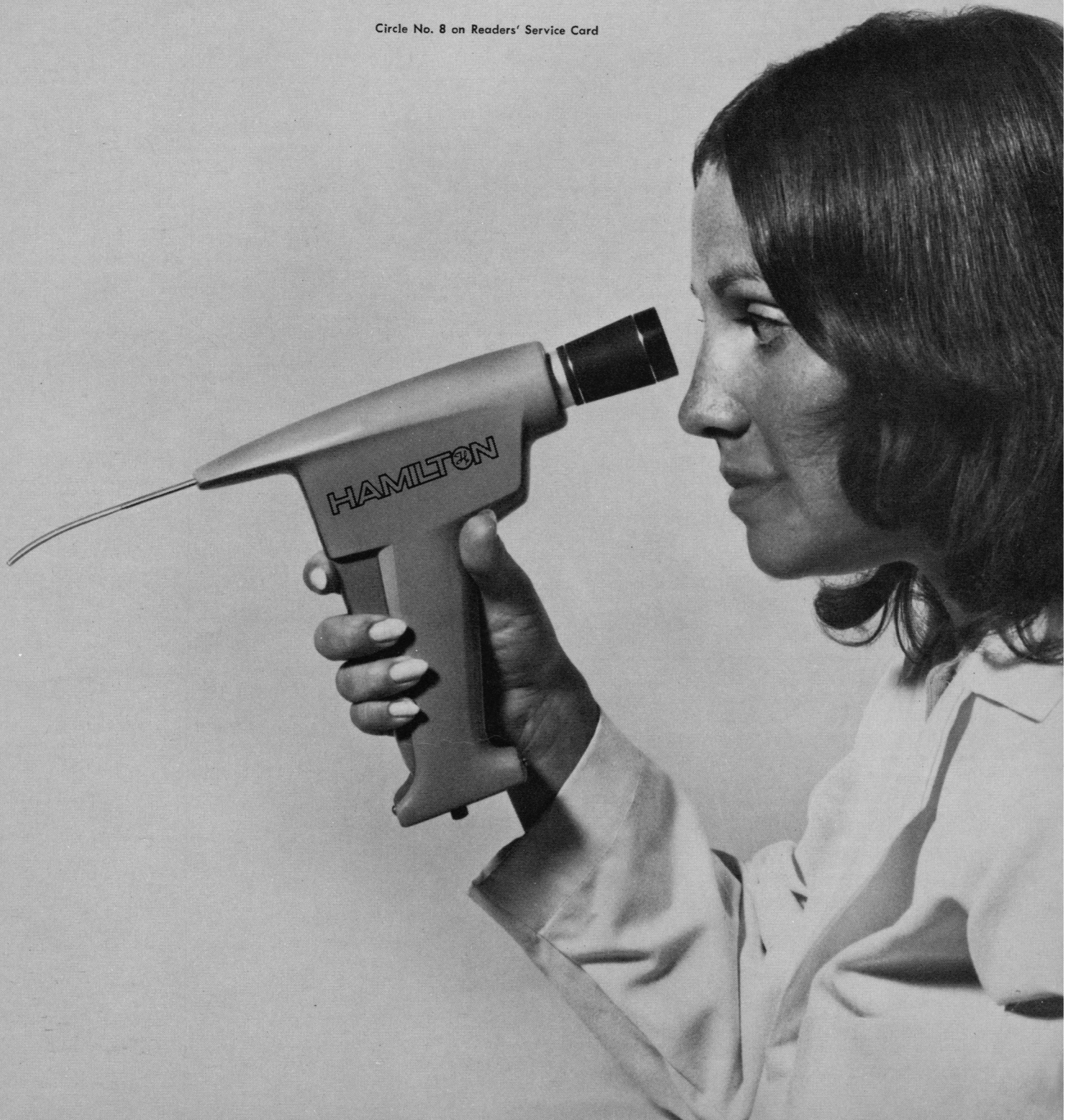
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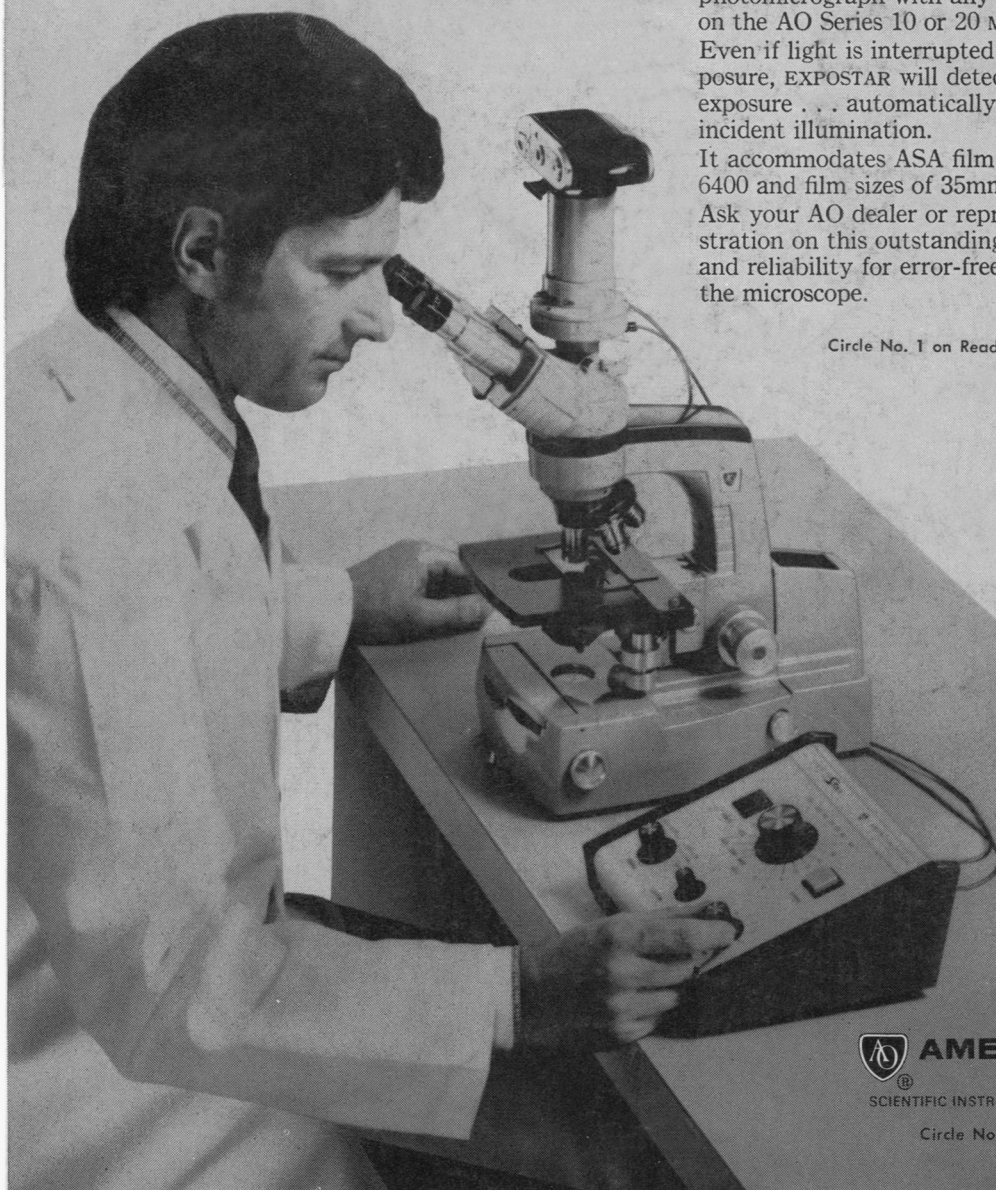
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