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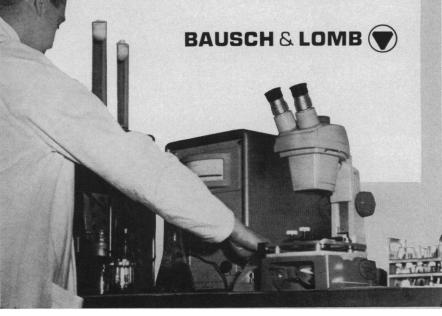
StereoZoom® Helps Advance

Robert E. Popham is Associate Research Director of the Alcoholism and Drug Addiction Research Foundation of Ontario. He is studying the chronic effects of certain habit-forming drugs on an unspecialized organism. A paramecium is placed in a 16-18mm dia. slide well and observed. Using SteroZoom, the entire well may be studied at 15 diameters. The wide field of view of StereoZoom eliminates the need for introducing undesirable slide movement or altering light conditions. Uniformly bright, natural, three-dimensional viewing is possible. The zoom magnification feature overcomes the problem of differentiating culture particles from the organism.

The project is attempting to induce addiction in an organism which doesn't have a nervous system in the usual sense. Addiction will be said to exist if the organism is able to grow adequately in a concentration of the drug which would kill an organism not pre-treated, and if the organism dies or fails to grow satisfactorily when transferred to a drug-free medium.

This interesting application is only one of thousands where StereoZoom has successfully solved problems in bio-research, education, diagnostic procedures and industrial operations.

To learn how one of the 24 models of StereoZoom with its range of  $3\frac{1}{2}$  through  $200 \times$  can help you in your own work, get Catalog 31-15 from a qualified Bausch & Lomb Laboratory Supply Dealer, or write Bausch & Lomb, 87826 Bausch Street, Rochester, New York 14602.



4 FEBRUARY 1966



## **DIRECTOR OF MEDICAL COMMUNICATIONS**

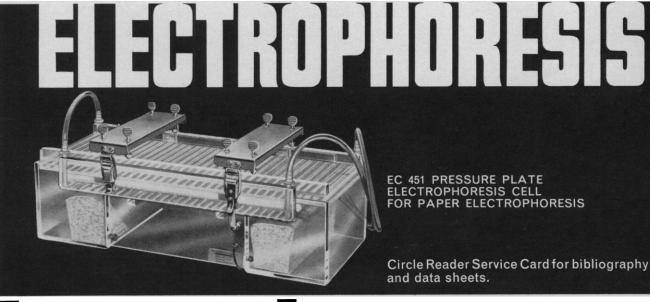
Research-oriented ethical pharmaceutical company requires a Director of Medical Communications. San Francisco Peninsula location

Specifically, the company desires services of an individual with the ability to design clinical studies as well as interpret and analyze medical data derived in the evaluation of new drugs. Additional responsibilities for the preparation of informational brochures to physicians and replies to product inquiries. We believe that the ideal person for this position will possess a doctorate in Pharmacology, Medicine or Public Health and have some experience in biostatistics.

Salary commensurate with experience and education. Submit comprehensive resume for confidential consideration including salary, to:



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EC451 electrophoresis apparatus makes paper electrophoresis possible under uniform conditions of paper wetness. Six-21/2" or sixteen -1" paper strips are placed between nonwettable plastic surfaces, thus preventing evaporation and allowing sample to travel through uniformly wet paper from beginning to end.

The paper strips with sample applied are then clamped between water-cooled plates. When ice water is circulated through these plates, as much as 2000 V at 200 MA can be passed through the cell, permitting rapid separation. AMONG MANY RECENT APPLICATIONS FOR THE EC451

- Mobility studies of iodinated human serum albumin.
- Two-dimensional paper agar electrophoresis of hemoglobin.
- High-voltage electrophoresis BAIB.
- Super-cooled electrophoresis of P-esters in non-aqueous buffers.



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SCIENCE, VOL. 151

# PERSONNEL PLACEMENT

CLASSIFIED: Positions Wanted. 25¢ per word, minimum charge \$4. Use of Box Number counts as 10 additional words. Payment in advonce is required. Send copy for position wanted ads to:

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

**COPY** for ads must reach SCIENCE 2 weeks before issue date (Friday of every week).

before issue date (Friday of every week). DISPLAY: Positions Open. Rates listed be-low-mo charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Minimum ad: 1 inch. Ads over 1 inch will be billed to the nearest quarter inch. Frequency rate will apply only to repeat of same ad. No copy changes. Payment in advance is required except where satisfactory credit has been es-tablished. Send copy for display adver-ting to: SCIENCE

SCIENCE Room 1740 11 West 42 St. New York 36

\$65.00 per inch 60.00 per inch

Single insertion 4 times in 1 year For PROOFS on display ads, copy must reach SCIENCE 4 weeks before date of issue (Friday of every week).

Replies to blind ads should be addressed as follows:

Box (give number) SCIENCE 1515 Massachusetts Ave., NW Washington, D.C. 20005

POSITIONS WANTED

Anthropologist-Biologist, broad teaching/research experience, also project administration, publica-tions. Seeks challenging academic or museum position. Box 7, SCIENCE. X

Biochemist, Ph.D. 1956. Broad teaching experi-ence, research in lipid and amino acid metabo-lism, radioimmunoassay, 6 months as head of endocrine laboratory; interested in clinical chemistry area with opportunity for teaching and research. Box 342, SCIENCE. X

**Biochemist, Ph.D., 1960**, experienced in enzymotogy, molecular transport, cancer. Desires teaching/research position in U.S. or Canada. Box 6, SCIENCE. X

Biochemist-Organic Synthetic Chemist, Ph.D., 1955. Twelve years of medicinal chemistry ex-perience; some biochemical pharmacology and teaching experience. Desires academic position, research and some teaching; biochemistry or organic. Broad research interest. Salary second-ary. Box 8, SCIENCE. X

**Biochemist, Ph.D.,** Neurochemical training. Experience in drug metabolism, normal and drug-induced chemical patterns of CNS. Desires research position. Box 14, SCIENCE. 2/11

Immunologist B.Med. (including internship) ECFMG qualified, to be Ph.D. soon. Experience in tissue antigen, tissue culture, virology, some biochemistry. Wants position in Los Angeles area. Research opportunity in allergy or trans-plantation immunity particularly interesting. Other positions also welcomed. Box 9, SCIENCE. X

(a) Microbiology Ph.D.; biochemistry minor; ex-perienced chief of microbiology large hospital, university teaching; prefers hospital or academic appointment. (b) Plant Physiology Ph.D.; bio-chemistry minor; enzyme, genetics interests; seeks research. Write Woodward Medical Per-sonnel Bureau, 185 N. Wabash, Chicago 60601. X

Ph.D. Physiology; environmental health, toxicol-ogy specialization; industrial, university experience and preference. Ph.D. Animal Ecology (inverte-brate zoology), population dynamics, animal behavior training; desires teaching, research. Ph.D. Genetics (bacteriology, biochemistry mi-nors); nutrition, genetic fine structure back-ground; research, teaching preference. Please write to Science Service, The Medical Bureau, Inc., 900 North Michigan Avenue, Chicago, Illinois 60611.

4 FEBRUARY 1966

## POSITIONS WANTED

**Biologist, M.S.**, research and college teaching experience. Desires teaching position in college or junior college in western half of U.S. Box 10, SCIENCE. X

Ecologist-General Botanist. Recent Ph.D., de-sires academic teaching/research. Quality teach-ing experience, research program, publications. Box 12, SCIENCE. 2/11

Medical Writing, rewriting, editing, literature searches. More than 15 years of experience. Excellent references. Free-lance or full time. Box 4, SCIENCE. X

Microbiologist, Ph.D.; 15 years of broad and varied experience academic research, teaching, hospital laboratory. Seeks position in metropol-itan New York City. Box 13, SCIENCE. X

Pathologist, board certified, experienced inter-pretation animal tissues, seeks part-time con-sulting work, hospital or industry. Box 5, SCIENCE. 2/11, 21, 28

Soil Scientist, Ph.D., biochemically orientated. Ten years' experience: Plant nutrition, enzymol-ogy, plant pathology. Desires research position Box 11, SCIENCE. X

POSITIONS OPEN

### LAB **CHIEF CHEMIST CLINICAL CHEMISTRY**

CLINICAL CHEMISTRY SUPERVISOR Ph.D. preferred. M.S. or equiv. considered. Organize & direct Chemistry Div. of 400-bed teaching hospital. Opportunity for career growth. Liberal Education Benefit. Send resume to: Box S 1026, 125 W 41 St., NYC 36. An Equal Opportunity Employer

(a) MICROBIOLOGIST --- Virology, physiology, or genetics.

(b) **BOTANIST** — Genetics, ecology, taxono-my, or other. Available September 1966 Ph.D. required. Teaching and research experience desired. Salary and rank according to qualifications. Send résumé to Chairman, De-partment of Botany and Bacteriology, Univer-sity of Arkansas, Fayetteville, Arkansas 72701.

(a) M.S./Ph.D. Biochemist, direct hospital lab-oratory; Southeast; \$14,000 up. (b) D.V.M., Animal Disease Control; East; to \$11,000, Fac-professor; West; to \$18,000. (d) Chemist, sanitary; West; to \$12,000. (e) Cellular Physiology; South-east; to \$10,000. (f) Anatomy, general; Mideast; to \$14,000. (g) Plant Physiology; West. (h) Zool-ogy, M.A./Ph.D., histology, embryology; East; to \$9000. (i) M.S./Ph.D. Physiology, Central. Many others available. Write Science Service, The Medical Bureau, 900 North Michigan Avenue, Chicago, Illinois 60611. X

#### Predoctoral Assistantships and Traineeships in Physiology

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## POSITIONS OPEN

Biologists-Two Ph.D.'s with competence in experimental embryology, histology, histochemistry, botany, anatomy (for nurses), and ecology. Research opportunity and graduate teaching. Also M.S. to teach terminal biology course. Write and include resume to: Chairman, Department of Biol-ogy, Villanova University, Villanova, Penna.

Biomedical Scientist—Administrator, for post of Associate Dean. To be responsible for leading curricular study, and assisting in meeting academic opportunities, as advance-ments are being made in comprehensive, pre-ventive and rehabilitative medicine. Ph.D. de-sirable. Salary open. Contact J. S. Denslow, D.O., Vice President, Kirksville College of Osteopathy and Surgery, Kirksville, Missouri 63501.

#### HUMAN PHYSIOLOGY

Seeking an experimental scientist with experience in conducting human stress experiments. Formal training in one or more of the following fields would be valuable: neurophysiology, cardiovascular, respiratory, environmen-tal physiology. Position entails responsibility for day-to-day operation of a 2-year program of research in the field of rotation tolerance, disorientation, vertigo, and adaptability to tumbling. Academic environment but salary potential comparable to aero-space industry stand-ards. Send detailed resume to W. V. Blockley, Webb Associates of California, 27727 Pacific Coast Hwy., Malibu, California 90265

Desire recent Ph.D., mammalian physiology, preferably biochemistry minor, join multidisciplinary university to group engaged in biochemical toxicology research. Pacific Northwest. Reply to Box 15, SCIENCE.

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MICKOBIOLOGIST Ph.D. with clinical laboratory experience wanted to take charge of clinical bacteriology and serol-ogy; 35,000 procedures per year. Full technical staff, research facilities and support available. Salary by arrangement. Write Sidney D. Kobernick, M.D., Director of Laboratories, Sinal Hospital of Detroit, 6767 West Outer Drive, Detroit, Michigan 48235.

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To teach physiology and zoology, Ph.D. Rank dependent upon background. Prob-able salary range \$8,000 to \$8,500 for 9 months. Research encouraged. Send inquiries and resumes to: Dr. James B. Reeves, Head, Biological Sciences, Texas Western College, El Paso, Texas 79999

New School of Medicine located in southern tropical Venezuela, with expanding activities, of-fers academic and research positions in biochem-istry, microbiology, parasitology, pharmacology to M.D., Ph.D., M.S., B.S. Adequate knowledge of Spanish language desirable, but not absolute requirement. Send complete résumé and salary aspirations to:

Escuela de Medicina Universidad de Oriente Ciudad Bolivar Venezuela, S.A.

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Department of Biology Applications are invited from persons suitably qualified for appointments at either the Assistant or Associate Professor level. Persons in the fol-lowing disciplines: experimental plant anatomy, ecology, developmental biology, cellular, and reproductive physiology should submit curriculum vitae and list of publications to **Dr. Earl L. Core, Chairman.** 

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## **Canada Department of Forestry**

Various centres across Canada

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Applicants should have a Ph.D. and experience in fields such as ecology, pathology, physiology or biochemistry.

Scientists appointed to these positions will be given encouragement to present their findings to the professional community by publication and at scientific meetings.

Résumés should be submitted to the

**Civil Service Commission** Ottawa 4, Canada

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#### POSITIONS OPEN

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Research Psychologist Recent Ph.D. in psychology with strong back-ground in operant conditioning and animal be-havior methodology to set up a small animal behavior laboratory. Position involves working as a vital member of a neurochemistry project in a research oriented California State Mental Hospital in the greater San Francisco Bay area. Ample opportunity for independent work. Salary \$10,440, \$10,968 and \$11,420 for a three-year period. (The cost of moving or of relocating must be borne by the applicant.) Please send curriculum vitae in confidence to: Alonza C. Johnson, M.D., D.Sc. Chief of Research, Napa State Hospital Imola, California 94558 an equal opportunity employer

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All replies confidential and acknowledged. Send résumé to:

EMPLOYMENT MANAGER

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## UNIVERSITY OF QUEENSLAND

SENIOR LECTURER IN AGRICULTURE (PASTURE AGRONOMY)

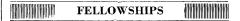
The University invites applications for the position of Sonior Lecturer in Agriculture (Pasture Agronomy). An applicant should have had training and experience in a field concerned with pasture production, such as plant physiology, plant nutrition or pasture management. Tropical pasture species experience is desirable. The appointee will have a unique opportunity of developing a programme of research and instruction in the new field of tropical pastures. A new farm will provide wide scope for the appointee. Collaboration in fields of plant, animal and soil sciences, and agricultural biochemistry are possible.

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The University provides Superannuation similar to F.S.S.U., Housing Assistance, Study Leave and Travel Grants.

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#### C. J. CONNELL Registrar



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in Medical Physics Opportunities are available to do graduate work in the basic medical sciences including, radiation biology, radi-ation physics, bioastronautics, and the clinical use of radioistopes. Fellowship support is offered for study programs leading to the M.S. and Ph.D. degrees in medical physics and also for postdoctoral research. Sti-pends vary with training and dependents.

Write to Chairman, Department of Radiology, Center for the Health Sciences, University of California, Los Angeles, California 90024.

#### FELLOWSHIPS IN GENETICS

FELLOWSHIPS IN GENETICS Applications are invited from students in the physical and biological sciences interested in graduate work in cellular and molecular ge-netics. NIH training fellowships, NDEA fel-lowships, and research assistantships are avail-able on a competitive basis to students with higher academic records. For applications or more information write to Dr. Thad H. Pit-tenger, Waters Hall, Kansas State University, Manhattan, Kansas. Manhattan, Kansas.

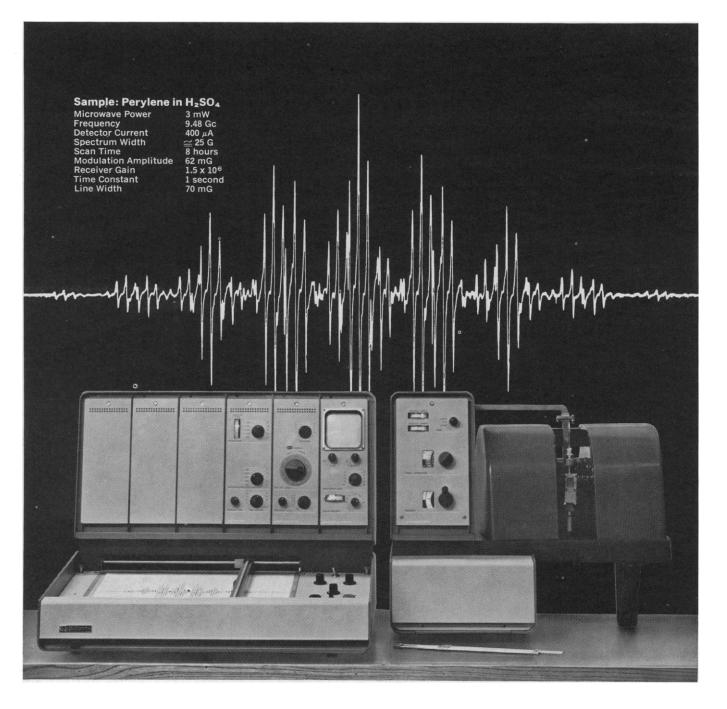
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> > SCIENCE, VOL. 151



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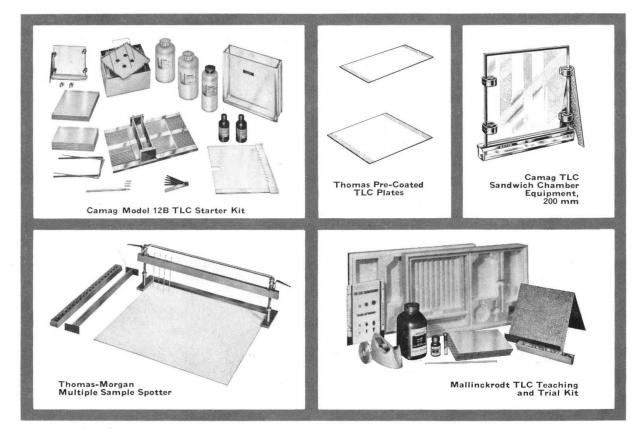
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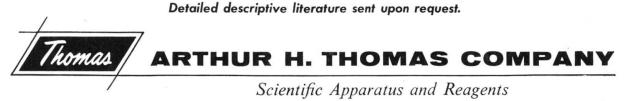
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Plates

We now offer four complete Kits as well as coating materials from Camag, Mallinckrodt, and Schleicher & Schuell. Individual components of Kits and many accessory items several developed by Thomas—are listed separately to permit selection for specific needs. Pre-Coated Plates provide the ultimate in convenience.

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