

Methuen's Manuals of Modern Psychology Series.

**Natürliche Proteinase-Inhibitoren.** Rosemarie Vogel, Ivar Trautschol, and Eugen Werle. Thieme, Stuttgart, Germany, 1966 (order from Intercontinental Medical Book Corp., New York). 118 pp. Illus.

**On Growth and Form.** D'Arcy Wentworth Thompson. Cambridge Univ. Press, New York, abridged edition, 1966. 359 pp. Illus. Paper, \$2.45.

**Physical Science: Its Structure and Development.** vol. 1, *From Geometric Astronomy to the Mechanical Theory of Heat.* Edwin C. Kemble. M.I.T. Press, Cambridge, Mass., 1966. 520 pp. Illus. Paper, \$7.95.

**The Psychoanalytic Revolution.** Sigmund Freud's life and achievement. Marthe Robert. Translated from the French edition (Paris, 1964) by Kenneth Morgan. Harcourt, Brace, and World, New York, 1966. 396 pp. \$6.95.

**The Quest for Absolute Zero: The Meaning of Low Temperature Physics.** K. Mendelssohn. McGraw-Hill, New York, 1966. 256 pp. Illus. Paper, \$2.45.

**Race, Evolution, and Mankind.** Robert L. Lehrman. Basic Books, New York, 1966. 288 pp. Illus. \$5.95. Science and Discovery Series.

**The Regional City.** An Anglo-American discussion of metropolitan planning. Derek Senior, Ed. Aldine, Chicago, 1966. 206 pp. Illus. \$7.50. Eight papers.

**The Rise and Development of Western Civilization.** vol. 1. John L. Stipp, C. Warren Hollister, and Allen W. Dirrim. Wiley, New York, 1966. 665 pp. Illus. \$8.95.

**Secular Variations of the Atmospheric Circulation Since 1750.** H. H. Lamb and A. I. Johnson. Her Majesty's Stationery Office, London, 1966. 127 pp. Illus. Geophysical Memoirs, No. 110.

**Societies: Evolutionary and Comparative Perspectives.** Talcott Parsons. Prentice Hall, Englewood Cliffs, N.J., 1966. 128 pp. Illus. Paper, \$1.50; cloth, \$3.95. Foundations of Modern Sociology Series.

**Soviet Sociology: Historical Antecedents and Current Appraisals.** Alex Simirenko, Ed. Quadrangle Books, Chicago, 1966. 384 pp. \$7.95.

**Surgical Bleeding.** Handbook for medicine, surgery, and specialties. Alex W. Ulin and Seymour S. Gollub, Eds. McGraw-Hill, New York, 1966. 562 pp. Illus. \$23.50.

**Telescopes: How To Make Them and Use Them.** Thornton Page and Lou Williams Page, Eds. Macmillan, New York, 1966. 352 pp. Illus. \$7.95. Macmillan Sky and Telescope Library of Astronomy, vol. 4. There are 72 papers reprinted from *Sky and Telescope*, *The Sky*, and *The Telescope*; they were published between 1937 and 1965.

**The Theory of Sets and Transfinite Numbers.** B. Rotman and G. T. Kneebone. Oldbourne, London; Davey, New York, 1966. 154 pp. Illus. \$7.

**Universities: British, Indian, African.** A study in the ecology of higher education. Eric Ashby. Harvard Univ. Press, Cambridge, Mass., 1966. 572 pp. \$12.95.

**Welfare and Planning: An Analysis of Capitalism versus Socialism.** Heinz Köhler. Wiley, New York, 1966. 191 pp. Illus. Paper, \$1.95; cloth, \$4.95.

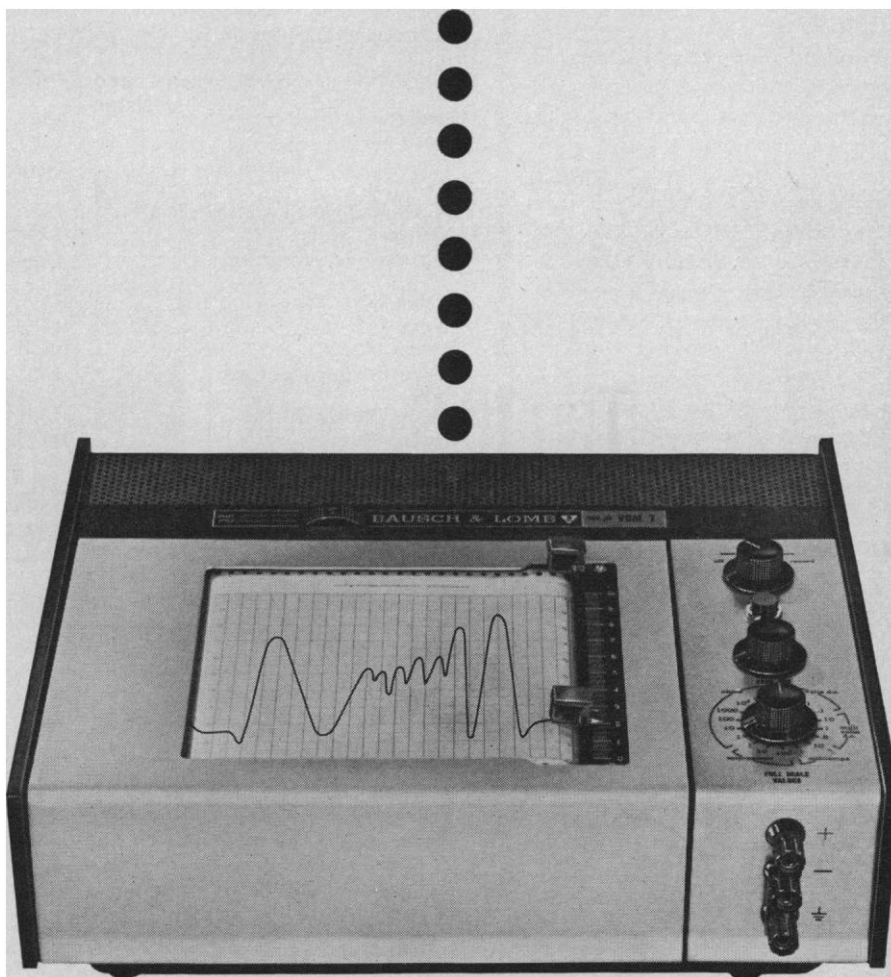
# Direct answers . . .

Bausch & Lomb V.O.M. Recorders give just that. Without external converters, they will *directly* measure and record d-c voltage, current and resistance. They provide performance you can depend on with their multiple inputs, fast pen response, photoelectric chopper, high off-balance impedance, built-in paper take-up reel or instant reference tear-off.

V.O.M. Recorders come equipped with features that are usually sold as optional extras—five variable chart

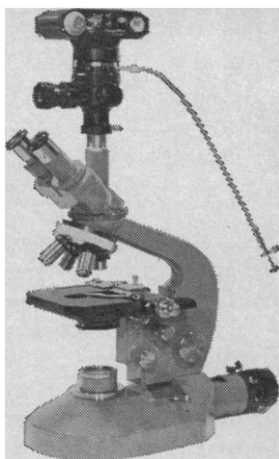
speeds, an event marker, a zener stabilized reference supply, three-position operation and a full scale zero set. Low cost V.O.M. Recorders offer extra versatility at no extra cost.

Bausch & Lomb V.O.M. Recorders are available in a variety of models with different full scale sensitivity. A wide range of accessories further extend their usefulness. Customized models can be built to handle special applications. Write for Catalog 37-2194. Or, if you prefer, let us show you how to get direct answers with a personal demonstration. Bausch & Lomb, 77436 Bausch Street, Rochester, New York 14602.



**BAUSCH & LOMB**   
ELECTRONICS DIVISION

In Canada, Bausch & Lomb Optical Co., Ltd., 16 Grosvenor St., Toronto, Ontario.



**VERSATILITY AND  
QUALITY LOOK THROUGH  
THE EHC ELGEET-  
OLYMPUS MICROSCOPE.**

The Elgeet-Olympus Model EHC microscope is an advanced instrument with a high degree of versatility for the research laboratory. Olympus design features a built-in base illuminator and a centerable substage condenser. The illuminator utilizes the Köhler illumination system while the Abbe condenser is fitted with hand screws for the accurate centering essential for full, even illumination.

A variety of optional accessory items are available for the Olympus family of research microscopes. For photomicrography, dark field, polarization and phase microscopy.

**ELGEET OPTICAL CO., INC.**

SCIENTIFIC INSTRUMENT DIVISION

1190 BROOKS AVENUE  
ROCHESTER, N. Y. 14624

PLEASE SEND INFORMATION  
ON EHC MICROSCOPE.

NAME \_\_\_\_\_

POSITION \_\_\_\_\_

CO. \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZONE \_\_\_\_\_

**Index to Advertisers**

16 December 1966

American Optical Co. ....	1496
Bausch & Lomb .....	1479, 1491
Beckman Instruments, Inc., Spinco Div. ....	1378
Blackstone Ultrasonics, Inc. ....	1483
Blickman, S., Inc. ....	1482
Borden Chemical Co. ....	1492
Brinkmann Instruments .....	1483, 1488
Difco Laboratories .....	1490
Digital Equipment Corp. ....	1384
E-C Apparatus Corp. ....	1484
Electro-Mechanical Research, Inc. ....	1389
Electronic Associates, Inc. ....	1383, 1398
Elgeet Optical Co. ....	1492
Esterline Angus Instrument Co., Inc. ....	1400
Fabri-Tek Inc. ....	1402
Fisher Scientific Co. ....	1382
Gilford Instrument Laboratories Inc. ....	1435
Graphic Controls Corp. ....	1392
Hacker, William J., & Co., Inc. ....	1489
Hamilton Co. ....	1486
Harshaw Chemical Co. ....	1493
Instrumentation Associates, Inc. ....	1476
Instrumentation Specialties Co., Inc. ....	1478
Klett Manufacturing Co. ....	1484
Lab Cages Inc. ....	1399
Lab-Line Instruments, Inc. ....	1477
Laboratory Construction Co. ....	1490
Matheson Co., Inc., MCB Div. ....	1486
Medwire Corp. ....	1490
Mistaire Laboratories .....	1484
Nalge Co., Inc. ....	1396
Nega File Co. ....	1484
Nikon Inc. ....	1391
Nuclear Chicago Corp. ....	1398
Orion Research Inc. ....	1396
Owens-Illinois .....	1397
Perkin-Elmer Corp. ....	1388
Picker Nuclear .....	1390
Princeton Applied Research Corp. ....	1394
Professional Tape Co., Inc. ....	1480
Radiochemical Centre .....	1476
Raytheon Co., Sorensen Operation .....	1387
RCA .....	1495
Saunders, W. B., Co. ....	1379
Schwarz BioResearch, Inc. ....	1393
Shandon Scientific Co., Inc. ....	1485
Sigma Chemical Co. ....	1488
Sobotka, Eric, Co., Inc. ....	1478
Sorvall, Ivan, Inc. ....	1438
Statham Instruments, Inc. ....	1481
Syston-Donner Corp. ....	1489
Teachers Insurance and Annuity Assoc. ....	1487
Torsion Balance Co. ....	1385
Unitron Instrument Co. ....	1484
University of Chicago Press .....	1480
Warner-Chilcott Laboratories .....	1436, 1437
Wilmot Castle Co. ....	1386
Winthrop Laboratories Inc. ....	1490

**Looking for the best?  
Here it is...**



Among the 300 reagents of Borden Chemical's Dajac Laboratories, you will find not only Blue Tetrazolium (BT®), but also Nitro BT®, INT, and TNBT. All of these Dajac reagents are the recognized leaders for purity and reliable results in their field.

For complete information, write for a copy of our current catalog.

**Dajac** LABORATORIES

5000 Langdon St., Box 9522, Phila., Pa. 19124

The  
**BORDEN CHEMICAL**  
Company

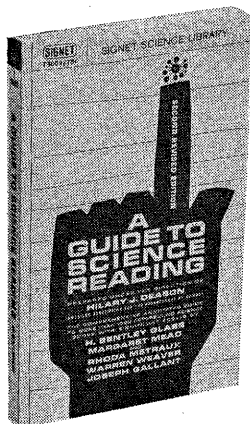
**The Food and Agriculture Organization of the United Nations**

Has a vacancy at its Rome Headquarters for a **REPORTS OFFICER, P-4**. The post will be primarily responsible for the planning, writing and production of the Accountability Report of FAO's work in the field to the 1967 FAO Conference.

Qualifications include a University Degree, preferably in Agriculture, Science, or Economics, with at least seven years' experience in a responsible position concerned with reporting on technical, agricultural, or economic development, preferably in developing countries. Excellent English required.

Gross salary within the range of US \$13,900-\$18,630, plus liberal cost of living, family allowance and other benefits.

For an application form and vacancy announcement listing full details write to **Chief, Recruitment Section, FAO Headquarters, Via delle Terme di Caracalla, Rome, Italy**, quoting reference VA 1341.



## JUST PUBLISHED

A new and enlarged edition of the widely used AAAS book

## A GUIDE TO SCIENCE READING

Edited by Hilary J. Deason, Director of AAAS Libraries

With significant scholarly essays to stimulate interest in science and science reading by H. Bentley Glass, Warren Weaver, Margaret Mead and Rhoda Metraux, and Joseph Gallant.

Contains annotations on over 1,300 popular paperback science and mathematics books selected from the 39,600 paperbacks now in print. Books are classified according to 88 categories for quick reference.

The Guide is an indispensable aid to secondary school students, college undergraduates, educators, and adult readers.

Published by New American Library with copyright owned by AAAS.

Purchase SIGNET SCIENCE T-3003 from your local bookseller for 75¢—or send 85¢ (75¢ for the book and 10¢ for mailing fee) to AAAS Publications, 1515 Massachusetts Ave., NW, Washington, D.C. 20005.

## STERILE/LOW OPTICAL DENSITY SUCROSE SOLUTIONS PACKAGED READY-TO-USE

"May be used for the preparation of human or animal vaccine upon vaccine manufacturer's receipt of appropriate license from proper governmental authorities."

- Preserve the integrity of your sample with known purity, concentration and sterility.
- Low optical density.
- Concentrations from 10% through 55% solutions are available. Special concentration available upon request.
- Choice of special packaging: Unbreakable PVC bags\* and sealed rubber stoppered bottles. Sizes of 500, 1000 and 2000 milliliters available.

\*The O.D. of solutions packaged in PVC containers will rise appreciably when stored. For exact continuous low O.D. we recommend solutions packaged in glass.

Call or write for complete details.



The Harshaw Chemical Company / Crystal-Solid State Division  
1945 East 97th Street • Cleveland, Ohio 44106 • Phone 216-721-8300

## PERSONNEL PLACEMENT

### POSITIONS WANTED

**Attractive, personable, young woman** with extensive Library Science background seeks challenging new career in

#### Public Relations or Administration

for organization with international connections. Fluent in French, German, Russian, and Hungarian. East Coast preferred; references on request. Box 256, SCIENCE. X

**Biology Administration—Medical Microbiologist, Ph.D., 15 years' experience:** Microbial genetics, fermentation, literature analysis and science administration. Prefer administration. Washington, D.C. area. GS-15 or equivalent minimum. Box 257, SCIENCE. X

**Biologist, Ph.D. Entomology.** Experience in physiology research and 25 years teaching. Desires academic position for research, and teaching or administration. Box 258, SCIENCE. X

**Microbiologist** seeks postdoctoral appointment in immunology-immunochemistry. Box 259, SCIENCE. X

**Molecular Biology, Ph.D.** sponsored program transport chemistry, publications, biophysical instrumentation. Box 260, SCIENCE. X

(a) **Physical Chemistry Ph.D.;** physics minor; chemical engineering B.S.; metabolism studies; prefers research opportunity. (b) **Veterinary Pathology Ph.D. 1966,** virology minor; available for research appointment. Write Woodward Medical Personnel Bureau, 185 North Wabash, Chicago 60601. X

### POSITIONS OPEN

**BIOCHEMIST—Experienced Biochemist** for 400 bed general hospital on Chicago's north side. Salary commensurate with ability and qualifications. To direct modern automated chemistry laboratory, including an active Radioisotope Unit. Write: **Lucito G. Gamboa, M.D., Director of Laboratories, Edgewater Hospital, 5700 N. Ashland Avenue, Chicago, Illinois 60626.**

**ELECTRONMICROSCOPIST, Ph.D.** or equivalent, with experience in Histochemistry, to participate in neuropathology research program in modern research institute in New York area. Some knowledge in neuroanatomy desirable.

Box 252, SCIENCE

**GRADUATE RESEARCH ASSISTANTSHIPS** in materials science at the University of Virginia—See 2 Dec. issue, page 1265 or write to: **Chairman, Department of Materials Science, Thornton Hall, University of Virginia, Charlottesville, Va. 22903.**

(a) **Microbiologist** head animal nutritional research lab; \$15,000–\$18,000; large chemical mfr; SE. (b) **Biochemist** large hosp complex; \$15,000–\$18,000; W. (c) **Senior Biostatistician** leading drug firm; to \$20,000; E. (d) **Microbiology Prof** develop virology dept univ med sch; to \$18,000; MidW. (e) **Parasitology Unit Leader Ph.D./D.V.M.** supv evaluation chemotherapeutic agents; \$15,000–\$17,000; drug mfr; E. (f) **Pharmacologist** develop radioactive labeled compounds for medical use; to \$15,000; univ research unit; MidW. Write **WOODWARD MED. PERS. BUREAU, 185 N. Wabash, Chicago 60601.**

### POSITIONS OPEN



## RESEARCH

Expanded operations have created a new position in our Biological Development Department for a veterinarian or Ph.D. who has experience in parasitology or pathology. Duties will involve studies of simian malaria to develop greater understanding of the disease syndrome and improve control methods. Major emphasis will be on toxicologic and chemotherapeutic evaluation of drugs against artificially induced simian malaria. Additionally, the person selected will have supervisory responsibilities for supportive technical personnel and will act as liaison with outside consultants.

To be considered for this position, individuals interested in animal disease research should send a letter or resume listing education, experience and present salary to: MR. W. E. GAMBILL

**CHAS. PFIZER & CO., INC.**

Vigo Plant

Terre Haute, Indiana 47805

An Equal Opportunity Employer

POSITIONS OPEN

## PHARMACOLOGISTS & TOXICOLOGISTS

Rapid expansion of our research program has created openings for Ph.D. Pharmacologists and Ph.D. or D.V.M. Toxicologists.

*Atherosclerosis*

*Analgesia*

*Inflammation*

*Reproductive Endocrinology*

*Cardiovascular and Autonomics*

Please send a complete resume including training, experience and salary requirements, to:

*Professional Employment*

### Bristol Laboratories

Division of Bristol-Myers Company

Syracuse, New York 13201

An Equal Opportunity Employer

**Pathologist, M.D. or Ph.D.**, experienced in electron microscopy, to fill a full-time challenging research position on team investigating aspects of atherogenesis. Salary \$15,000 plus guaranteed yearly increments, liberal fringe benefits. Send résumé to Dr. Sanford C. Spraragen, Chief, Radioisotope Service, 800 Poly Pl., Brooklyn, N.Y. 11209. Tel. 212-Te 6-6600, Ext. 271.

Ph.D. in statistics to assist biomedical investigators in experimental design and statistical analysis. Write: **David Cardus, M.D., Biomathematics Program, Baylor University College of Medicine, P.O. Box 20095, Houston, Texas.**

## Ph.D.



### PHARMACOLOGIST EXPANDING PROGRAM IN RESEARCH

with opportunity to do basic and applied research, including the design and development of methodology required.

NATIONAL offers opportunity to you through an outstanding earning program, benefits package and future growth potential. At the methodical drug division of Richardson-Merrell Inc., you will be associated with one of the largest international pharmaceutical corporations, yet have the individual contacts of a small company. Please send your inquiry with curriculum vitae in strict professional confidence to:

**J. D. DIETRICH**

**THE NATIONAL DRUG CO.**

A DIV. OF  
RICHARDSON-MERRELL INC.

4663 Stenton Ave.,  
Philadelphia, Pa. 19144

An equal opportunity employer

POSITIONS OPEN

**GRADUATE TRAINING IN ANATOMICAL SCIENCES** for qualified biology majors leading to the Ph.D. degree. Graduate study in Cytology, Radiation Biology, Hematology, Experimental Neurology, Endocrinology, Teratology, Developmental Biology, Technical Training Available in Electron Microscopy, Radioactive Tracers, Zone Electrophoresis, Molecular Enzymology, Manometric Techniques, Histochemistry, Brain Stimulation, Brain Lesions, Behavioral Testing, Classical and Modern Neurohistological Techniques. ASSISTANTSHIPS paying \$2400 to \$2800 plus tuition and dependency allowance. Write Dr. Donald C. Goodman, Chairman, Department of Anatomical Sciences, University of Florida College of Medicine, Gainesville, Florida, 32601.

Medical School of Pahlavi University, Shiraz, Iran is accepting applications for the positions of Associate Professor and Assistant Professor of Physiology. Appointments starting from January, 1967 or thereafter. Applicants are requested to send a résumé of their educational background and work experience to the **Dean of Medical School (Pahlavi University, Shiraz, Iran).**

## MICROBIOLOGIST, Ph.D.

Major manufacturer of high quality pharmaceuticals and biologics seeks top calibre person for highly responsible position.

Requires 2-4 years experience in biological production and product development including virology and tissue culture.

Responsibilities will include direction of several technicians and coordination of activities of biological production with other senior scientists.

This opening offers an exceptional opportunity for further growth and advancement in an important national company with a reputation for excellence.

Salary commensurate with education, experience and ability. Company paid relocation to large, metropolitan Mid-western city.

Send detailed resume of background and salary requirements in strict confidence.

**Box 255, Science**

An Equal Opportunity Employer

POSITIONS OPEN

### Predocutorial Assistantships and Traineeships in Physiology

Excellent opportunities for graduate students leading to the Ph.D. Ample stipends and free tuition. Training and research in endocrinology, gastrointestinal, water and electrolyte metabolism, cardiovascular, sensory physiology, biophysics and bioengineering. Write for details to:

**Head, Department of Physiology**  
University of Illinois at the Medical Center  
P. O. Box 6998  
Chicago, Illinois 60680

## The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

### SUPPLIES AND EQUIPMENT

#### • HYPOPHYSECTOMIZED RATS

Shipped to all points via Air Express  
For further information write

**HORMONE ASSAY LABORATORIES, Inc.**  
8159 South Spaulding Ave., Chicago 29, Ill.

### BOOKS AND MAGAZINES

## N.Y. PUBLISHER WANTS MANUSCRIPTS

### \$1600 BEST BOOK CONTEST

Want your book beautifully published, promoted, distributed by a New York leader in the field? Over 1,000 authors on our list. Attractive subsidy basis for fiction, non-fiction, poetry, scholarly, scientific or controversial books. Send manuscript for free editorial report, free Brochure SX and rules of \$1600 Best Book Contest open to Pageant authors.

### PAGEANT PRESS

Dept. SX  
101 Fifth Ave., N.Y., N.Y. 10003  
Circle 60 on Readers' Service card

### PROFESSIONAL SERVICES

## HISTOLOGY SERVICE

**RAPID SERVICE Large Orders Quickly Processed! Quickly Shipped!** Professional supervision of every order. Free estimates on special problems. Distant points serviced swiftly. Special stains and techniques available. Fully protected shipments. **HISTOLOGY SERVICE, INC.** 4801 N. Broad St., Philadelphia, Pa. Zipcode 19141. (215) DAVenport 4-5800

## Complete Bio-Analytical Services

Automated Wet Chemistry,  
UV, GLC, Clinical,

Hormones, Drugs, Lipids



**Metabolic Research Foundation**

2201 W. Holcombe Boulevard  
Houston, Texas 77025  
MRF Phone: 713-664-4932

Circle 61 on Readers' Service card



**RCA**  
**EMU-4**

*THE "NEW LOOK" IN ELECTRON MICROSCOPES*



## Electron microscope with true image intensification makes it possible to see images once too faint to view

The all-new EMU-4 provides a remarkable tool for extending the range of electron microscopy. By means of optional true TV image intensification, transient phenomena can be observed and recorded. Images, too faint to view on the microscope screen, are clearly visible. Specimens such as polymers, which are normally altered or destroyed by the electron beam, can now be studied. Use of multiple and remotely located monitors permit many persons to study the images in a lighted room. Television intensification can open up a whole new range of research possibilities.

The EMU-4 is the first and only electron microscope to offer the

With its many innovations this entirely new instrument adds a new dimension to the field of electron microscopy and scientific research. A full line of accessories is available. Nation-wide service can be provided. For further information, write RCA Scientific Instruments, Building 15-5, Camden, N.J. In Canada: RCA Victor Company Ltd., Montreal.

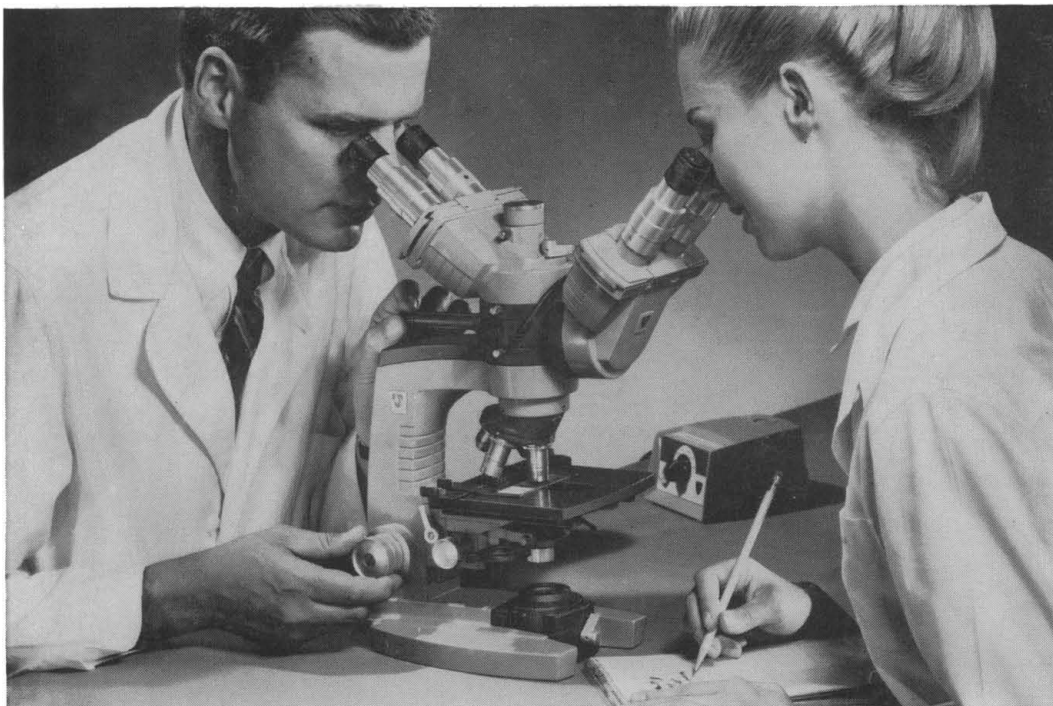
See the EMU-4 in action at EMSA, Booths 24, 25, 34, 35.

high-reliability advantages that characterize today's space-age technology. Self-adjusting circuits and modular ("building block") design simplify operation, reduce maintenance. And with building block modules, new functions later deemed necessary can easily be added. Routine procedures are automated. New high-capacity photographic facilities and ten-fold larger specimen chamber increase versatility.

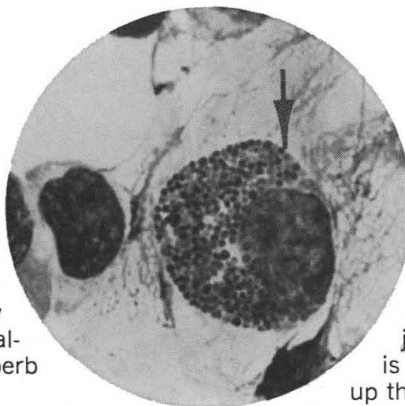
Start-up and shut-down time is a matter of seconds, the result of the new push-button vacuum system. Permanent objective aperture is standard equipment.



**The Most Trusted Name in Electronics**



## AO's Dual Viewing Microstar® for more effective communication



Two people can see the same image simultaneously without sacrificing image quality, adjustment time, or superb operating convenience.

Each viewer enjoys the same sharp image over the entire field. The Microstar's unique infinity corrected optical system eliminates blurred and fuzzy edges.

For cross-reference, an illuminated, transparent pointer is superimposed on the field. It can be positioned instantaneously to pinpoint specific slide areas or minute details of the specimen.

The Autofocus stop saves everybody's time

®Registered Trademark American Optical Company

... eliminates wasted motion. It simplifies coarse adjustment so that perfect focus is merely a matter of touching up the fine adjustment. And, since the nosepiece is gravity-loaded, it's practically impossible to break slides or to damage the objective.

Applications are unlimited—for a second opinion, immediate verification, continuous observation, or routine lab training. Whenever accurate communication is essential, consider AO's Dual Viewing Microstar.

For more information, call your AO Sales Representative or write.



**AMERICAN OPTICAL COMPANY**  
INSTRUMENT DIVISION • BUFFALO, NEW YORK 14215