

NEWS AND COMMENT

(Continued from page 884)

Edwin R. Fisher, pathology professor at the University of Pittsburgh, Pa., and chief of laboratory service at the Veterans Administration Hospital, Pittsburgh, has received the American Society of Experimental Pathology award for his research in cancer and diseases of the kidney and blood vessels. The award carries a citation and a \$1000 honorarium from Parke, Davis & Co.

H. O. Hartley, professor of statistics at Iowa State University, has been named director of the newly established Graduate Institute of Statistics at Texas A&M College.

Victor A. Babits, formerly professor of electrical engineering at Rensselaer Polytechnic Institute, has become manager of applied research at General Dynamics-Astronautics, San Diego, Calif.

Richard B. Bishop, research associate at Holy Cross College, Worcester, Mass., has received the President's Cup of the Society of Plastics Engineers, for "outstanding and meritorious service to the Society."

The newly elected president of the World Meteorological Organization is **Alf E. Nyberg**, director of the Swedish Meteorological and Hydrological Institute.

Harold A. Dundee, assistant professor of zoology at Tulane University, has been elected president of the southeastern section of the American Society of Ichthyologists and Herpetologists.

Howard F. Raskin, formerly at the University of Chicago, has been appointed associate professor of medicine at the University of Maryland.

John C. Rose, professor of physiology and biophysics at Georgetown University, has been named dean of the university's school of medicine, effective 1 July. He will succeed **Hugh H. Hussey**, who will become director of the American Medical Association's division of scientific activities.

Norman P. Willett, formerly with the Bzura Chemical Co., has been appointed microbiologist at Food and Drug Research Laboratories, Maspeth, N.Y.

The Borden award in the chemistry of milk has been presented to **Serge N. Timasheff**, of the U.S. Department of Agriculture's Eastern Utilization Research and Development Division, Wyndmoor, Pa. The award includes a gold medal and a \$1000 honorarium.

Recent Deaths

Harold F. Dorn, 56; chief of the biometrics research branch, National Heart Institute; 7 May.

Herbert S. Gasser, 74; director emeritus of the Rockefeller Institute and winner of the 1947 Nobel Prize in medicine; 11 May.

John M. Goggin, 46; chairman of the department of anthropology at the University of Florida; 4 May.

Sidney S. Negus, 71; emeritus professor at Virginia Medical College; 17 May. A fellow of AAAS, he had directed press relations for all Association meetings since 1938. Dr. Negus retired last June from the Medical College of Virginia, where he had been head of the department of biochemistry for 35 years. He was a consultant to the U.S. Atomic Energy Commission's public information service, and former director of public relations for the Federation of American Societies for Experimental Biology. The scientist-writer was on the board of directors of the Virginia Institute for Scientific Research. He had received the 1949 distinguished service award from the Virginia section of the American Chemical Society. This month, he received the distinguished service award from the Virginia Academy of Sciences, of which he was a past president.

A native of Dudley, Mass., Dr. Negus studied at Clark University, Harvard, and Johns Hopkins, where he took his Ph.D. degree in 1923.

He suffered a stroke last week while in New York to attend the Lasker awards luncheon.

George H. Penn, 44; professor of zoology and editor of *Tulane Studies in Zoology*, Tulane University; 10 May.

Clayton Ulrey, 78; former research physicist at Westinghouse Lamp Co.; 29 April.

Erratum: The first international symposium on radiosensitizers and radioprotective drugs [*Science* 140, 207 (12 Apr. 1963)] is scheduled for 23-24 May 1964.

Erratum: In the cover photo caption [*Science* 140, 441 (3 May 1963)] the roles of two of the species of oceanic zooplankton should be reversed. *Cavolinia inflexa* (lower center) is one of the two that feed on particulate matter by means of mucus, and *Carinaria japonica* (bottom) is one of the predators.

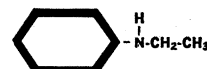
For your evaluation . . .



Development
Derivatives of

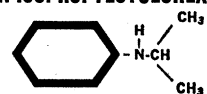
CYCLOHEXYLAMINE

N-ETHYLCYCLOHEXYLAMINE



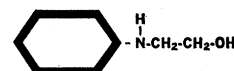
M.W. 127.23 B.P. 155°C. at 760mm

N-ISOPROPYLCYCLOHEXYLAMINE



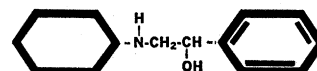
M.W. 141.26 B.P. 173°C. at 753mm

N-(2-HYDROXYETHYL)CYCLOHEXYLAMINE



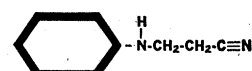
M.W. 143.23 M.P. 36.1-38.8°C.
Can exist as a super cooled liquid.

2-CYCLOHEXYLAMINO-1-PHENYLETHANOL



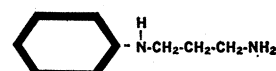
M.W. 220.33 M.P. 90-94°C.

N-(2-CYANOETHYL)CYCLOHEXYLAMINE



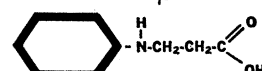
M.W. 152.24 B.P. 263°C. at 753mm

N-(3-AMINOPROPYL)CYCLOHEXYLAMINE



M.W. 156.27 B.P. 242°C. at 753mm

N-CYCLOHEXYL-β-ALANINE



M.W. 171.24 M.P. 178-181°C.

Write for technical literature

ABBOTT LABORATORIES

Development Division
North Chicago, Illinois

PARKE-DAVIS Research Laboratories now have three challenging positions for chemists, biologists, or pharmacologists interested in **SCIENCE INFORMATION**:

LITERATURE SEARCHER for research library, Detroit, Michigan, to handle literature problems of microbiologists, chemists, and physicians. Must have B.S. or M.S. in science, reading proficiency in German or French, and capacity to work independently.

PATENT INFORMATION CHEMIST for patent liaison staff, Ann Arbor, Michigan. Must be young, imaginative woman with B.S. or M.S. in organic chemistry. Responsibilities include maintaining and developing program for monitoring, selecting and abstracting pharmaceutical patent literature; also related information retrieval. Requires creative interpretation and dissemination of pertinent patent information to research personnel. Writing and editing ability desirable. Experience preferred.

LITERATURE BIOLOGIST for technical information staff, Ann Arbor, Michigan, to scan current scientific papers in physiology, pharmacology, chemotherapy, etc., and to make searches in depth when data suggest research toward new drug is justified. Applicant should have knowledge of the scientific literature and facility with French or German.

Applicants should enjoy working creatively with laboratory staff. Please send résumé to: **Manager of Salaried Employment, PARKE-DAVIS & COMPANY, Detroit 32, Michigan.**

WANTED:

Ph.D. in Nuclear Physics

To develop new techniques for linear acceleration of atomic particles; study nuclear radiation effects on materials, components and systems; investigate high-power microwave systems problems.

One of many major benefits is the professional environment and status you will enjoy at **HUGHES-FULLERTON R&D.**

For complete information, please write:

DR. ARNOLD SMALL

HUGHES

HUGHES AIRCRAFT COMPANY
FULLERTON R & D
P.O. Box 3639, Fullerton, Calif.

An equal opportunity employer.

Personnel Placement

POSITIONS WANTED

Biologist, vertebrate ecology-anatomy; Ph.D. California, 15 years' college-university teaching-research, including foreign. Available 1964 (February). Prefers teaching-research, administration/industry/government, considered (experienced). Box 115, SCIENCE. 5/24; 6/28

M.D., experienced research endocrinologist, 43, multilingual, many publications, presently in pharmaceuticals, desires part-time position editing, writing, translating medical para-medical subjects. Box 145, SCIENCE. 5/31

Ph.D. Geologist, 20 years' experience teaching, research, applications. Available (i) earth science or geology professorship or departmental chairmanship, (ii) comprehensive research physical geology. Box 143, SCIENCE. X

(a) **Ph.D. Physiology-Biochemistry** (bacteriology, nutrition minors); prefers teaching, research. (b) **M.S. Plant Pathologist**, technical service, agricultural chemicals research and extension experience. (Please write for information regarding these and other scientists, senior and junior, in all fields.) Science Division, The Medical Bureau, Inc., Burnice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

Physiologist-Botanist Ph.D., biochemical orientation; 3 years of postdoctoral experience tissue culture, hormone physiology, isotopic technique. Desires research primarily or combination. Box 140, SCIENCE. 5/24, 31

POSITIONS OPEN

MEDICAL MICROBIOLOGIST—Senior analysts for global epidemiological studies. Ph.D. or M.D. equivalent. Primary interest in monitoring and evaluating world-wide microbiological research. Must be U.S. citizen, willing to relocate to Washington, D.C., good health, salary around \$11,000 per annum, opportunity for advancement, active training program, many other benefits. Send résumé to Box #136, Suite 1200, 230 West 41st St., New York 36, N.Y.

(a) **Ph.D. Clinical Chemist**, California laboratory; open. (b) **Biostatistician**, administrative ability; West Coast; \$12,000. (c) **Virologist**, tissue culture, molecular biology training; eastern chemical company. (d) **Ph.D. Pharmacologist**, research, supervisory duties; eastern pharmaceutical firm. (e) **Product Development Director**, medical electronic/biomedical engineering background; to \$9000; East. (f) **Industrial Hygienist**, West Coast health department. *Faculty Appointments*: (g) **Bacteriology**, to \$9500; Midwest college. (h) **Assistant Professor of Biology**; \$7500 up; eastern university. (i) **Zoology-Ecology**, Central university. (j) **Introductory Zoology**, Southeast college. Many other opportunities available for both junior and senior scientists. Please write to Science Division, The Medical Bureau, Inc., Burnice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

PHYSIOLOGIST or BIOCHEMIST

Expanding midwestern pharmaceutical company has opportunity for Ph.D. Physiologists and Biochemists to conduct original research in male reproductive physiology.

An Equal Opportunity Employer

Please send complete résumé to
Technical Employment Coordinator
THE UPJOHN COMPANY
Kalamazoo, Michigan

FELLOWSHIPS

Predocutorial Assistantships and Fellowships in Physiology. Excellent opportunity for graduate students leading to the Ph.D. Ample stipends and free tuition. Training and research in biophysics, membrane and subcellular physiology, endocrinology, muscle, water metabolism, cardiovascular, gastrointestinal, and environmental physiology. Write for details to Head, Department of Physiology, University of Illinois at the Medical Center, Chicago 12, Illinois. 5/24, 31; 6/7

FELLOWSHIPS

Carnegie Fellowships in Biological Sciences are available at Autonomics Division, National Physical Laboratory, Teddington, Middlesex, England, for postdoctoral research in Physiology, Psychology on problems in perception or learning. Salary matched to experience; travel for family to Europe and for Scientist in Europe. In Autonomics Division there is interdisciplinary research on above problems in man and machine by mathematicians, physicists, engineers, biologists. For fuller details write to **Superintendent of Autonomics Division, Dr. A. M. Uttley, address until June, Center for Advanced Study in the Behavioral Sciences, 202 Junipero Serra Boulevard, Stanford, California. Thereafter, to National Physical Laboratory, U.K.**

The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

BOOKS AND MAGAZINES

Your sets and files of scientific journals

are needed by our library and institutional customers. Please send us lists and description of periodical files you are willing to sell at high market prices. Write Dept., A3S, CANNER'S, Inc., Boston 20, Massachusetts

SUPPLIES AND EQUIPMENT

1919-1963
LaMotte Chemical
Chestertown, Maryland, U.S.A.
Specialists in
Colorimetric Techniques
Reagents-Standards-Comparators
Send for illustrated Controls Handbook
Dept. H

NEW FORMABLE GAMMA SHIELDING

A mortar-like mixture of lead and matrix powders that can be—
Plastered — Poured — Cast
Drilled — Sawed — Tapped
Low background, low activation level, reasonable cost.



CHEMTREE CORPORATION

Harriman, New York
Tel. 914-782-8282



FREE catalogs of your choice

No salesman will call

COLORADO SERUM CO. LABORATORIES

4950 YORK STREET • DENVER 16, COLORADO • Main 3-5379

• HYPOPHYSECTOMIZED RATS

Shipped to all points via Air Express

For further information write

HORMONE ASSAY LABORATORIES, Inc.
8169 South Spaulding Ave., Chicago 29, Ill.

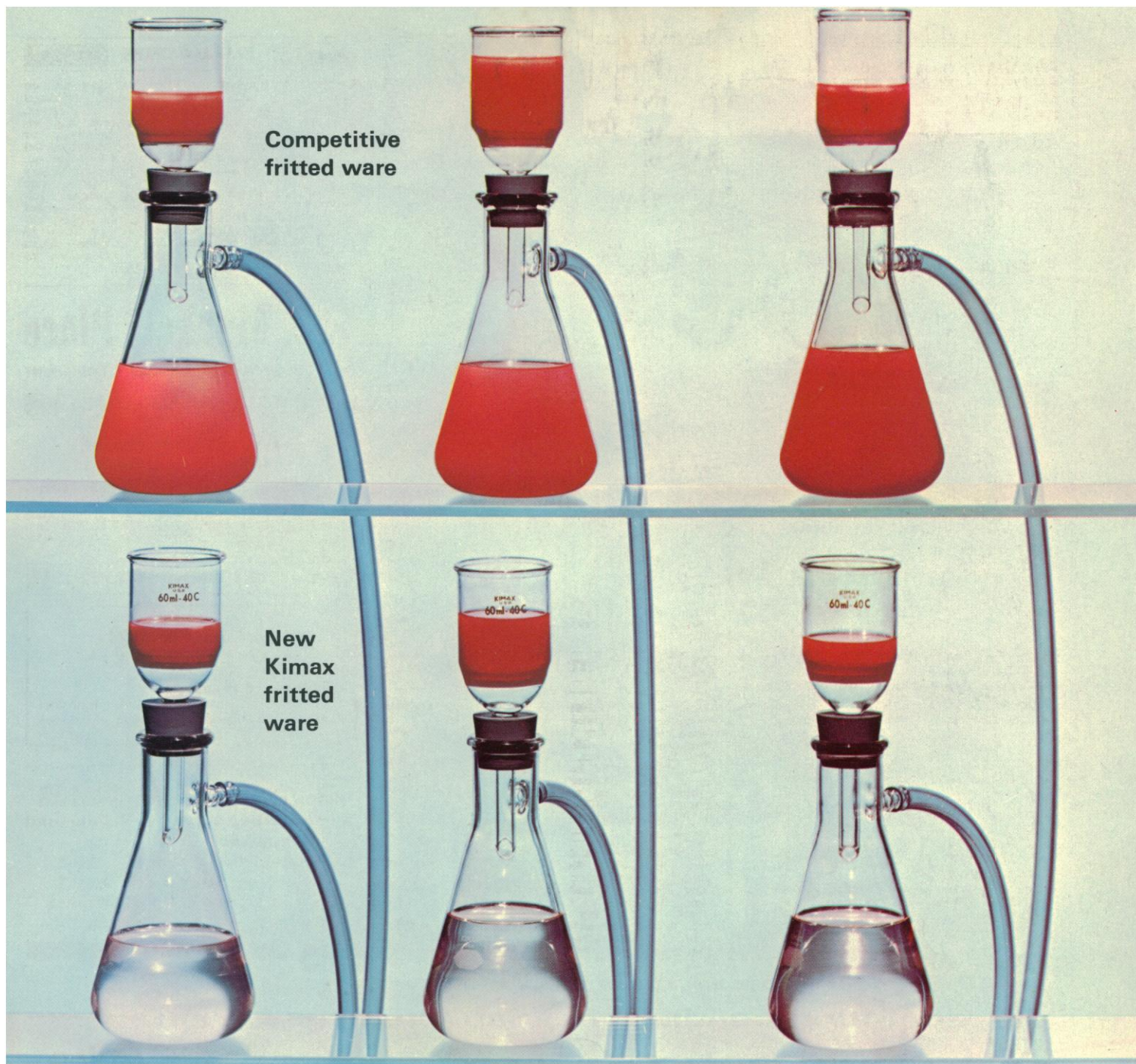
AMINO ACID ANALYSIS

... of proteins, peptides, tissue extracts, foods, and physiological fluids by the Speckman, Moore, Stein ion-exchange method, using the latest Beckman-Spinco Analyzer.

Inquiries for rates and other details are invited.

**Pxford
Laboratories®**

Analytical Division
273 N. Bayshore Blvd.
San Mateo 3, Calif.



Buchner funnels with filters of the same labeled porosity were taken from stock and tested, using identical solutions.

If you think **FRITTED WARE** is all the same... compare Kimax®

Compare. Filtrations indicate there is a difference. From one test to the next, other brand porosities may vary as much as 100%. Kimax does not. In manufacture, Kimble keeps pore sizes within maximum and minimum specifications. Every disc. Every piece of fritted ware. Every shipment. Every time.

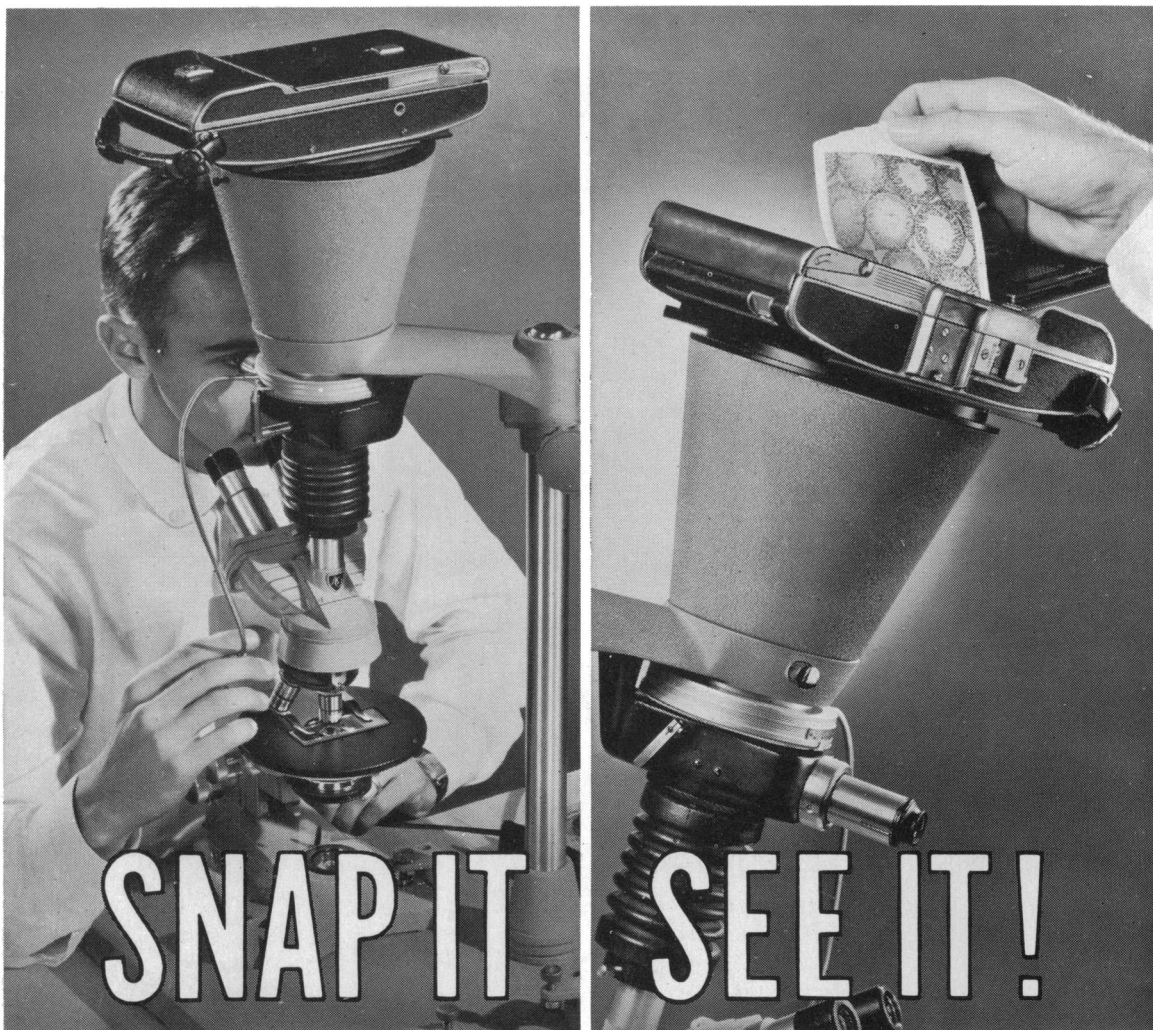
Consider. Here's what Kimax fritted ware's controlled

porosities, inspected in every batch, mean to you: uniform dispersion or scrubbing of gas in liquid, exact filtration results, controlled blocking in bacteriological work—accurate analyses that can be duplicated time after time. The same accuracy is built into every piece of Kimax fritted ware and every fritted disc. Catalog supplement SC-180 contains specifications and prices.

You get more of the better things first from Kimble.

KIMBLE LABORATORY GLASSWARE
AN **Ⓢ** PRODUCT

OWENS-ILLINOIS
GENERAL OFFICES • TOLEDO 1, OHIO



AO Spencer Photomicrographs...

Just 10 seconds from snap to finished print!

When you use the AO Spencer Photomicrographic Camera equipped with the Polaroid® Land Camera back, permanent photographs are ready for your files in just 10 seconds. A coupled visual and photographic system lets you shoot what you see... quickly and effortlessly. And with the Polaroid back possible errors in exposure, illumination or focus can be corrected immediately.

In addition to the Polaroid Land camera back, you have a choice of 4 other *readily interchangeable* camera backs; 4" x 5" fixed back; 4" x 5" Graftok back; 35mm back and Bantam back (roll film). You choose the camera back and film best suited to your specific requirements.

Here, the No. 682G Camera is being used with the AO Spencer Series 4 Microstar... an ideal combination. The built-in base illuminator provides convenient Koehler-type illumination. You select specimen area and do all preliminary focusing through binocular portion of trinocular body... focus critically with the telescopic eyepiece.

The sturdy vertical pillar, the easily adjustable camera support, the camera back and the Microstar all combine to provide a compact unit. Perfect alignment and rigidity is assured... successful photomicrography becomes a "snap".

Try it and see for yourself. Your AO Representative will be happy to arrange a demonstration for you.

American Optical
COMPANY

INSTRUMENT DIVISION, BUFFALO 15, NEW YORK

Dept. Q-4

- ☐ Please send me Brochure SB682 describing the entire line of AO Spencer Photomicrographic Cameras.
☐ Please send me Brochure SB124 describing the new Microstars

Name _____

Address _____

City _____ Zone _____ State _____

IN CANADA write — American Optical Company Canada Ltd., Box 40, Terminal A, Toronto, Ontario