LOOK INTO THE
NEW LEITZ
STEREO-BINOCULAR
MICROSCOPE

It's new... modern... up-to-the-minute! It's streamlined... sturdy... packed with new features!

One... inclined binocular body tube and adjustable interpupillary distance for more comfortable viewing.

Two... new, improved prism system in stereo tube for better image quality.

Three... new rapid-changing device for three objectives.

Four... objectives protected from damage by new type mountings.

Five... binocular body can be rotated through 360 degrees for use with offset arm stand.

Six... redesigned bearing and special steel sliding surfaces insure long trouble-free performance.

Seven... large, 60mm diameter mirror, adjustable for any desired viewing effect.

Eight... stand of new design with removable stage plate for examining specimens of all sizes.

Nine... special reflected-light illuminators.

Ten... focusing adjustment moving surfaces are large to insure accurate focus. And many more!

Your Leitz dealer will be glad to show you this modern new Leitz Stereo-Binocular Microscope. Call him soon. Write Dept. SC.

E. LEITZ, INC., 468 Fourth Avenue, New York 16, N. Y.
Distributor of world-famous products of Ernst Leitz, Wetzlar, Germany
Cameras • Lenses • Microscopes • Binoculars

January 22, 1954
GLUCURONOLACTONE—gamma lactone of glucuronic acid—is synthesized from D-glucose. This lactone, soluble in water, slowly hydrolyses so that it is in equilibrium with the acid. Also available are the sodium and potassium salts which are both supplied as stable, white, crystalline powders. All three derivatives from corn are now available for research or clinical investigations. Complete information will be sent on request.

INOSITOL—hexahydric alcohol of interest to biochemists—is a lipotropic agent and one of the constituents of the vitamin B complex. Inositol is active in cholesterol mobilization and in preventing fatty infiltration of the liver. As a member of the vitamin B complex, it is necessary to the growth of certain animals and microorganisms. A comprehensive booklet reviewing the literature on the biochemistry of inositol is available upon request.

"Fine Chemicals from Corn"

Chemical Division

CORN PRODUCTS REFINING COMPANY
17 BATTERY PLACE • NEW YORK 4, N.Y.

PRICELESS EUROPEAN TECHNICAL
AND
SCIENTIFIC BOOK REPRINTS
700 TITLES
and
Reprints of 129 Foreign Medical, Scientific, and Technical Periodicals.

AVAILABLE TO YOU
Immediate delivery, at prices lower than the originals, through use of Edwards Brothers LITHOPRINT process of book REPRINT.

One of these books may be the answer to your search!

Send free catalog at once to:

NAME ...........................................

STREET .....................................

CITY .............. ZONE ... STATE ........

J. W. EDWARDS, PUBLISHER, INC.
Ann Arbor, Michigan
PERSONNEL PLACEMENT

YOUR ad here reaches over 32,000 foremost scientists in the leading educational institutions, industrial laboratories, and research foundations in the U. S. and 76 foreign countries—at a very low cost

CLASSIFIED: 15¢ per word, minimum charge $3.60. Use of Box Number counts as 10 additional words.

DISPLAY: Rates listed below—no charge for Box Number. Monthly invoices will be sent on a charge account basis—provided that satisfactory credit is established.

Single insertion $19.50 per inch
7 times in 1 year 17.50 per inch
13 times in 1 year 16.00 per inch
26 times in 1 year 14.00 per inch
52 times in 1 year 12.50 per inch

For PROOFS on display ads, copy must reach SCIENCE 4 weeks before date of issue (Friday of each week).

POSITIONS WANTED

Biochemist: Ph.D., 2 years research fellow, past 3 years, assistant laboratory director, chemist, consulting biochemist and toxicologist, local hospitals; diploma American College of Clinical Chemists; desires biochemistry, laboratory director; any locality, veteran.

Neurophysiologist: M.D., Woodward Medical Bureau, 185 North Wabash, Chicago.

Bacteriologist: M.S., 15 years experience in public health, research, or teaching in bacteriology. Send credentials, etc., to Box 15, SCIENCE.

Medical Research Administrator: M.D., desires position as director of research foundation or laboratory. Background of twenty years experience in positions of unusual responsibility, Washington, D.C., location preferred. Box 9, SCIENCE.

Microbiologist: M.S., 31, 5 years microbiological research (viruses, bacteria, and fungi). PharmaceuticaI experience. Desires research, development in pharmaceuticals or food. Box 10, SCIENCE.

Neurophysiologist: M.D., established clinical and research worker; presently chief EEG laboratory large hospital, desires position change. Full time research accepted. Box 11, SCIENCE.

Ph.D. (Chemistry, Physics); eleven years' research experience principally in clinical and biological work in field of sex hormones, organic synthetic and analytical work in vitamins and plant hormones, microbiological analysis of amino acids. Science Department, Medical Bureau (Burneice Larson, Director) Palmolive Building, Chicago.

POSITIONS OPEN

Assistant to Director of Laboratories; Ph.D. with strong background in basic medical sciences; Midwest. Please write Scientific Personnel Service, 122 South Michigan Ave., Chicago.

Research Associate: Ph.D., bacteriology, immunology background preferred, virus section of pediatric department; important medical center; West. Science Division, Woodward Medical Bureau, 185 North Wabash, Chicago.


SCIENTIFIC PERIODICALS AND BOOKS

WANTED TO PURCHASE... SCIENTIFIC PERIODICALS and BOOKS

WALTER J. JOHNSON • 125 East 23rd St., New York 10, N.Y.

BACK NUMBER PERIODICALS—Bought and Sold

Tell us what you want?—What have you to offer?
Abrahams Magazine Service
DEPT. P, 56 E. 13th ST.
NEW YORK 3, N. Y.

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. A35, J. S. CANNER, INC.

Boston 19, Massachusetts

SCIENTIFIC BOOKS and PERIODICALS WANTED

Complete libraries — Sets and runs — Single titles

Please send us your want list

STECHERT - HAFNER, INC. • 31 East 10th St., New York 3
The World's Leading International Booksellers

FEB. 19. PROCEEDINGS ISSUE

Send your copy in, now!
LABORATORY SERVICES

Project research and consultation in Biochemistry, Chemistry, Bacteriology and Entomology

Mineral determinations including sodium and fluorine • Proximate analyses • Vitamin and amino acid assays • Food chemistry and microbiology

Write for price schedule.

WISCONSIN ALUMNI RESEARCH FOUNDATION
P. O. Box 2059 • Madison 1, Wisconsin

LOOKING FOR A PUBLISHER?

Write for Free Booklet SC telling how we can publish your book. All subjects considered. New authors welcome.

VANTAGE PRESS, Inc. • 120 W. 31 St., New York 1
In Calif.: 6356 Hollywood Blvd., Hollywood 28

The Archbold Biological Station, Route 1, Lake Placid, Florida, offers laboratory and field facilities and living accommodations at nominal rates to individuals with acceptable programs of research. An informational booklet will be sent upon request.

SUPPLIES AND EQUIPMENT

CONSISTENT RATS & MICE

All animals antibiotic free

BUDD MT. RODENT FARM
CHESTER, N. J.

 Breeders of a recognized strain of Wistar rats and W.S. mice

STAINS

STARKMAN Biological Laboratory

• RARE
• COMMON
Price list on Request

• 461 Bloor St., W., Toronto, Canada

SUPPLIES AND EQUIPMENT

ALBINO RATS

Our mass production methods insure greatest uniformity and consistency

Price list on request

DAN ROLFSMEYER CO. • Phone 6-6149
Route 4, Syene Road, Madison, Wisconsin

For uniform Clinical and Research Determinations

SWISS ALBINO MICE
ALBINO RATS
N. Z. WHITE RABBITS

Annual production 130,000

Write for list

Bio-Lab. Breeding Institute
Box 597
Bainbridge, N. Y.

ALBINO MICE

STOKELY-PETTSON, INC.

Price list on request

Rt. 4, P.O. Box 1254
Madison 5, Wisconsin
Phone 5-1487

Sprague-Dawley strain

WHITE RATS

developed by the late Robert W. Dawley are produced and sold only by Sprague-Dawley, Inc., Madison, Wisconsin.

Strict adherence to the practices established by the late Robert W. Dawley, guarantees a standardized Sprague-Dawley rat.

SUCH A STRAIN WILL REMAIN TRUE TO TYPE ONLY SO LONG AS THE TECHNIQUE OF SELECTION WHICH PRODUCED IT, KNOWN ONLY TO SPRAGUE-DAWLEY, INC., IS RIGIDLY MAINTAINED.

No other colony can be expected to maintain this standard, even though originally stocked with the DAWLEY strain of rat.

January 22, 1954
The MARKET PLACE

SUPPLIES AND EQUIPMENT

ALBINO RATS*
HYPOPHYSECTOMIZED RATS
*Descendants of the Sprague-Dawley and Wistar Strains
HENRY L. FOSTER, D.V.M.
President and Director
THE CHARLES RIVER BREEDING LABS.
No. Wilmington, Mass.

MOIS-TEC RG
A new reagent for low concentrations of water,
with possibilities of usefulness in many fields.
Write for Data Sheet RG-S
R. P. CARGILLE LABORATORIES, INC.
117 Liberty Street
New York, N. Y.

PARASITOLOGICAL PREPARATIONS
• high quality — low priced. Write for catalog
TROPICAL BIOLOGICALS • P.O. Box 2227, San Juan, Puerto Rico.

p-TOLUIC ACID
NINHYDRIN
2,4-DINITROFLUOROBENZENE
PENTAMETHYLACETONE
CUSTOM CHEMICAL LABORATORIES
2054 N. Cicero Ave., Chicago 39, Ill.

LABORATORY ANIMALS
• clean healthy well-fed animals
Guaranteed suitable for your needs.
Reasonably priced—Dependable service
JOHN C. LANDIS • Hagerstown, Md.

43 replies!!
Within ten days 43 replies were received to a single "Box Number" ad in the Personnel Placement section of SCIENCE. Your own ad, here, will produce prompt results, at a minimum cost. Send your "copy", now.

KLETT ELECTROPHORESIS

CUSTOM MADE

TOOL FOR THE ANALYSIS
OF COMPLEX COLLOID SYSTEMS, AND FOR
THE CONTROL OF PRODUCTION OF
PURIFIED PROTEINS, ENZYMES, HORMONES

KLETT MANUFACTURING CO.
179 EAST 87TH STREET
NEW YORK, N. Y.
The double-barrel benefit of a TWIN-BEAM record

*Phonocardiograms*

TWIN-BEAM Phonocardiograms are fully detailed recordings of ALL of the heart sounds and murmurs present. The location, pitch, duration, and intensity of a murmur are reproduced with the same completeness of detail as are the auricular, first and second sounds of the normal record shown above.

**Electrocardiograms**

TWIN-BEAM Electrocardiograms show ALL complexes in small animal 'cardiograms (such as taken on a mouse) clearly and accurately. This new, high deflection speed also permits added accuracy in research and clinical human 'cardiography.

PLUS Electrical Auscultation
Cardiac sounds and murmurs are heard with the TWIN-BEAM exactly as with an acoustic stethoscope.

TWIN-BEAM CARDIETTE

For descriptive literature and a complete outline of these and many other advantages for the TWIN-BEAM user, address

SANBORN CO. Cambridge 39, Mass.
with AO
Converging Eyetubes
your EYES
do LESS WORK

When using a binocular microscope your eyes are constantly shifting from eyepieces to worktable and back again. If the microscope has parallel eyetubes your eyes must work to readjust themselves each time — now converging on the table at an angle of approximately 8°, now pointing parallel into the eyetubes in order to fuse the two images.

To many people this is uncomfortable, tiring, and slows down the work — so AO optical scientists originated the familiar binocular body with converging eyetubes which is standard on AO Microscopes.

This example of AO Design Perfection is also apparent in the renowned AO Spencer Optics, dust-proof, dual-cone nosepiece, “pinch-grip” mechanical stage, “autofocus”, custom tension adjustment, and many other features. Test the many AO advantages yourself. Ask your AO distributor for a demonstration, or write Dept. A4.

American Optical

INSTRUMENT DIVISION
BUFFALO 15, NEW YORK