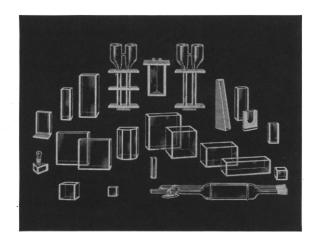
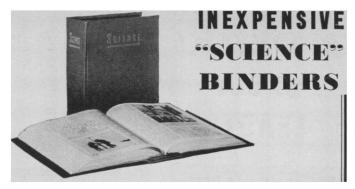
GLASS ABSORPTION CELLS made KLETT bу



SCIENTIFIC APPARATUS Klett-Summerson Photoelectric Colorimeters— Colorimeters — Nephelometers — Fluorimeters— Bio-Colorimeters — Comparators — Glass Standards—Klett Reagents.

Klett Manufacturing Co., Inc. 179 East 87 Street, New York, New York



Keep your copies of SCIENCE always available for quick, easy reference in this attractive, practical binder. Simply snap the magazine in or out in a few seconds—no punching or mutilating. It opens FLAT—for easy reference and readability. Sturdily constructed, this maroon buckram binder stamped in gold leaf will make a fine addition to your library.

Starting with January 1962, SCIENCE Binders hold one three-month volume of SCIENCE. They now have a 3-inch back and 13 flat fasteners. \$3.25 each. Four binders, \$12.00.

For six-month volumes, through December 1961, SCIENCE binders with 4-inch back and 26 flat fasteners are available. \$3.25 each.

Add 50¢ for orders outside the U.S. Name of owner, 75¢ extra; year of issues, 50¢ extra.

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

PERSONNEL PLACEMENT

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Biologist, Ph.D., D.V.M. Experience in tissue culture, virology, exp. pathology. Consider teaching and/or research, administration. Senior position only. Box 216, SCIENCE. 10/14

(a) Ph.D. Biochemist (1963); desires teaching medical biochemistry/metabolism research utilizing radioisotopes with opportunity to obtain M.D. degree. (b) Ph.D. Bacteriology, teaching research experience; algology, marine microbes interests; prefers teaching, research supervision graduate level (c) Ph.D. Biochemist, experience and preference in research biochemistry; cellular, radiation, isotope, enzyme interests. (Please write for information regarding these and other scientists, senior and junior, in all fields.) Science Division, The Medical Bureau, Inc. Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois.

Ph.D. Clinical Biochemistry and Physiology. Experienced laboratory supervisor 700-bed university hospital. Seeking position with teaching and research opportunity. Publications. Box 218, SCIENCE.

Senior Microbiologist-Biochemist, Ph.D. 1958.
Broad background. Experienced in tissue culture, virus purification, microbial biochemistry, radioisotopes, chromatography. Desires challenging academic/research position. Box 217, SCIENCE.

POSITIONS OPEN



Applications are invited for the support of postdoctoral research in intermediate carbohydrate metabolism at the Laboratory for Comparative Biochemistry, 4620 Santa Fe Street, San Diego 9, California.

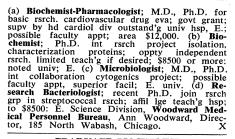
Assistant Professor of Animal Physiology, Department of Animal Science. Ph.D. or equivalent in animal physiology, minor in biochemistry preferred. Duties include fundamental and applied research with farm and laboratory animals with emphasis on environmental physiology; teaching; limited extension work. Starting salary \$7500 to \$9000 depending on qualifications; to begin between 1 January and 1 July 1964.

Apply, giving names and addresses of three

Apply, giving names and addresses of three references, to Head, Department of Animal Science, University of Alberta, Edmonton, Alberta. Closing date: 30 November 1963.

(a) Ph.D. Microbiologist, head R&D team; enzymes, fermentation experience; eastern pharmacutical house. (b) M.S. Analytical Chemist, instrumentation, sanitary chemistry experience; midwestern university hygienic laboratory; to \$7200. (c) Ph.D. Biochemist; air pollution research; West Coast; to \$10,600. (d) B.S. Bacteriologist; pharmaceutical experience; toxicology laboratory; Mideast. (e) M.S. Clinical Chemist; eastern college town; to \$8000 starting, annual increments \$1200. (f) Ph.D./Experienced M.S. Analytical Chemist; eastern chemical company. (g) Biophysicist; B.S. physics/physical chemistry/experimental biology; optical or electronic experience; West Coast. Many other opportunities available for both junior and senior scientists. Please write to Science Division, The Medical Bureau, Inc., Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

POSITIONS OPEN



GRADUATE BIOCHEMIST

Preferably with an M.S. or a Ph.D.; to work at Wright Field in the Aero Space-Medical Laboratory, Dayton, Ohio. Must have ability to devise techniques and improve methods. Salary commensurate with ability and background: excellent benefit program. Write Personnel Office, Indiana University Medical Center, 1100 W. Michigan Street, Indianapolis, Indiana.

PHARMACEUTICAL INDUSTRY **Information Scientist**

To scan, abstract, and code current technical literature relating to effects of drugs in humans. English language plus 2 foreign languages desirable. Send complete resume including salary requirements to Personnel Manager.

WALLAGE LABORATORIES
(A Division of Carter Products, Inc.) Cranbury New Jersey

An equal opportunity employer

BIOPHYSICS GROUP LEADER

Melpar's Research Division has an immediate need for a Biophysical Chemist to head a group in physico-chemical optics. The applicant must have strong academic training and research experience in properties of solutions of biological macromolecules.

For further information, send resume in strictest confidence to:

JOHN A. HAVERFIELD
Manager—Professional Placement



A Subsidiary of Westinghouse Air Brake Company

3406 ARLINGTON BOULEVARD FALLS CHURCH, VIRGINIA (a suburb of Washington, D. C.) an equal opportunity employer

CARDIO-VASCULAR RESEARCH

Ph.D. or M.D. required to direct and supervise the Cardiovascular Research Group involved in drug evaluation and basic studies. Independent research experience in cardiovascular physiology or pharmacology essential.

Suburban location within easy reach of New York and Philadelphia. Professional associations and publication of work encouraged. Library, technical information and abstracting service. Full benefit program.

Send résumé to Employment Department

WARNER-LAMBERT RESEARCH INSTITUTE

Tabor Road, Morris Plains, New Jersey

An Equal Opportunity Employer

PHYSICISTS CHEMISTS

Melpar has immediate openings for physicists and physical chemists with experience or an interest in space problems to conceive and prosecute experimental programs in space and simulated space environment. Currently areas of major interest include:

- Molecular Spectroscopy
- Flash Photolysis
- Electron and Proton Bombardment
- Low Temperature Phenomena
- High Vacuum Technology

An advanced degree in Physics or Physical Chemistry desired.

For further details, write in strictest confidence to: JOHN A. HAVERFIELD Manager—Professional Placement



WESTINGHOUSE AIR BRAKE COMPANY 3376 Arlington Boulevard Falls Church, Virginia

(a suburb of Washington, D. C.)
an equal appartunity employer

SENIOR NEURO-PHARMACOLOGIST

Ph.D. Level

SENIOR Lyophilization Scientist

Long-range growth program at The National Drug Company has created the above highly rewarding positions for qualified Scientists.

Attractive salary and fringe benefits offered.

Direct Your Resume In Full Professional
Confidence To:—

MR. CHARLES D. WRIGHT Assistant Personal Manager

THE NATIONAL DRUG COMPANY

Division of Richardson-Merrell, Inc.

4663 STENTON AVENUE Philadelphia 44, Pa.

An Equal Opportunity Employer

VIROLOGISTS

Melpar's Research Division has an immediate need for virologists to engage in:

The investigation of monolayer and submerged culture cell-virus interactions. Successful applicants should have a Ph.D. and experience in the preparation of primary cell cultures and passage of established cell lines. A broad mammalian virus experience spectrum is preferred.

The investigation of the biological, physical and chemical changes occurring during a virus cell interaction. Requirements include a Ph.D. and a background in physics or biochemistry. Experience in instrumentation is also desired.

For further information, send resume in strictest confidence to:

JOHN A. HAVERFIELD—Manager, Professional Placement



A Subsidiary of Westinghouse Air Brake Company

3405 Arlington Boulevard, Falls Church, Virginia
(a suburb of Washington, D. C.)

an equal opportunity employer

TOXICOLOGIST OR PHARMACOLOGIST

Recent legislation to insure safer, more effective drugs for American consumers has created an opening for a senior toxicologist or pharmacologist. This scientific-administrative position requires supervision of an expanding unit which evaluates toxicological, pharmacological, biochemical and pathological data on drug products. Starting salary \$16,000 plus the many fringe benefits of Federal service which augment substantially the basic salary. U.S. citizenship required. Send résumé and application (Standard Form 57 from any post office or Federal agency) to Personnel Office, Food and Drug Administration, Washington, D.C. **20201.** An equal opportunity employer.

ETHOLOGIST, or Experimental Psychologist in behavioral science department of medical college. Teaching 1st, 2nd year medical students. Research opportunities at home, overseas. Primate facility. opportunities at nome, overseas. Primate facility. Experience in maternal neonate behavior, operant conditioning, and/or perception required. Write F. D. McCandless, M.D., Albany Medical College, Albany, New York.

PHARMACEUTICAL CHEMIST—
PHARMACIST

Excellent opportunity exists in the Pharmaceutical Division of a rapidly expanding veterinary, pharmaceutical and biological manufacturer. Individual selected for the position will have a minimum of a B.S. degree in Chemistry or Pharmacy, good health and experience in some phase of pharmaceutical manufacturing, control or development. In addition to an excellent salary, company benefits include profit sharing, insurance, hospitalization, sick leave, vacation, etc. Please forward your résumé to Box 219, SCI-ENCE.

PHARMACOLOGISTS

Several administrative (nonresearch) positions open for pharmacological evaluation of metabolic and toxicity data on drugs. Starting salaries from \$7575 to \$13,695 depending on extent of academic training and applicable experience.

Similar positions open for biochemists qualified for toxicological evaluation.

M.S. required, Ph.D. preferred, with experience in drug research or evaluation. U.S. citizenship required.

Send résumé and application (Standard Form 57 from any post office or Federal agency) to Personnel Office, Food and Drug Administration, Washington, D.C. 20201.

An Equal Opportunity Employer

Scientific Instrument REPRESENTATIVES

to Clinical, Research, Industrial and Agricultural Laboratories. We are ready to market a brand new "prescription engineered" conception in optical and illumination instruments already in use by a "who's who" of hospital, medical schools, clinics and industry. We are interested in quality representation. Write direct to me, in confidence, listing territory, frequency of coverage and other lines handled.
ALEX J. WEINSTEIN, President EDNALITE RESEARCH CORPORATION, 210 North Water Street, Peekskill, New York. DEPARTMENT HEAD—MICROBIOLOGY
Seeking Ph.D. with broad background in microbiology and experience in chemotherapy to plan, organize, and direct research programs for development of new chemotherapeutic agents. Send résumé to Donald G. Duncan, Personnel Manager, The Wm. S. Merrell Company, Division of Richardson-Merrell Inc., Cincinnati, Ohio 45215.

An equal opportunity employer

MEDICAL RADIO-ISOTOPE TECHNICIAN-

experienced and capable of assuming entire responsibility and functions in a medical radio isotope laboratory. Salary commensurate with experience and training. Box 220, SCIENCE.

SCIENTIST With broad background and real interest in general education science program for non-science majors. Opportunity for some teaching and research in own specialty. Salary and rank dependent upon qualifications. Reply with details of background and interests to: Dr. Eugene McLaren, State University of New York, Albany 3, New York.

The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

DISPLAY: Insertions must be at least 1 inch in depth. Weekly invoices will be sent on a charge account basis—provided that satisfactory credit is established.

Single insertion 4 times in 1 year 13 times in 1 year 26 times in 1 year

PROOFS: If copy is to be set, and proofs submitted for approval, complete copy and cuts must be received 4 weeks in advance of issue date (Friday of each week); complete plates no later than 3 weeks in advance of issue date.

SUPPLIES AND EQUIPMENT



EQUIPMENT WANTED

Monochromator, Farrand, Model 300, visible glass optics, wavelength region 4000 Å-9500 Å, F4 double glass prism. New or Used. Box 215 SCIENCE.

HYPOPHYSECTOMIZED RATS

Shipped to all points via Air Express For further information write HORMONE ASSAY LABORATORIES, Inc. 8169 South Spaulding Ave., Chicago 29, III.

> 1919 - 1963 LaMotte Chemical Chestertown, Maryland, U.S.A.

Specialists in Colorimetric Techniques Reagents-Standards-Comparators

Send for illustrated Controls Handbook Dept. H

Miniature Pigs

Ideal for Human Studies. Mature at weight of man. More like man than most other animals.

> Vita Vet Labs. Marion, Indiana

BOOKS AND MAGAZINES

Proceedings of a conference by NAS-NRC Committee on Photobiology

PHOTOPERIODISM AND RELATED PHENOMENA IN PLANTS AND ANIMALS

922 pp., 256 illus., 1959 \$14.75 \$12.50 cash orders from AAAS members

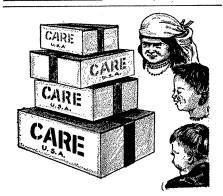
AAAS

1515 Massachusetts Ave., NW Washington 5, D.C.

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



Remember those in need across the world. Every \$1 sends one gift package thru the CARE Food Crusade, New York 16, N.Y.