

have you ever seen a graphic recorder with . . .

- ◎ **PORTABILITY**...weighs less than 15 pounds, measures 10" x 7 1/8" x 8".
- ◎ **VERSATILITY**...can be used as recording millivoltmeter or —with appropriate transducers — to record measurement of physical quantities.
- ◎ **RECTILINEAR** trace representation.
- ◎ **FULL CHART** zero positioning.
- ◎ **HIGH INPUT** impedance and high allowable signal source impedance.
- ◎ **PANEL** damping control for optimum stability.
- ◎ **CHART DRIVE** extension for synchronization with other equipment.

**THE VARIAN G-10 GRAPHIC
RECORDER HAS ALL THESE
FEATURES AND MORE... IS
PRICED AT \$295**



WRITE TODAY FOR COMPLETE TECHNICAL DATA ON THIS REMARKABLE NEW INSTRUMENT AND ITS FULL ACCESSORY LINE.



Special Products Division
VARIAN associates
PALO ALTO 18, CALIFORNIA

Representatives in all principal cities
MICROWAVE TUBES — INSTRUMENTS

Equipment News

■ **MICROMANIPULATOR** will duplicate on a microscopic scale any possible movement that a hand will communicate to a single control lever. The design permits the control lever to be placed in such a way that the hand of the user rests in a relaxed position. The Cailloux micromanipulator, which is designed for use with magnifications of 100 to 2000, corrects for reverse movements and is free of parasitic vibrations. The instrument is furnished with six microtools. (C. H. Stoelting Co., Dept. Sci., 424 North Homan Ave., Chicago 24, Ill.)

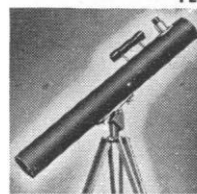
■ **SPECTRAL LAMP** employs 12 bulbs for work throughout the spectrum. The 12 bulbs, cadmium, cesium, helium, mercury, mercury-cadmium, potassium, sodium, neon, rubidium, thallium, zinc, and a second mercury bulb with a window-like opening in the outer bulb for short-wave ultraviolet are used interchangeably in one auxiliary operating unit. The lamps are equipped with pre-focus bases and identical light center lengths. (George W. Gates and Co., Inc., Dept. Sci., Hempstead Turnpike and Lucille Ave., Franklin Square, N.Y.)

■ **CONTINUOUS-FLOW PAPER ELECTROPHORESIS APPARATUS** has a new method of electrolyte feed and wide-range controls that permit the instrument to give maximum throughput under any required degree of resolution. Resolutions that formerly required as much as 1500-v operation can be made at 1/3 this value. The instrument is applicable to the separation of charged substances such as proteins, polypeptides, amino acids, and other biological materials, as well as such organic substances as dyes and intermediates. In special cases, nonpolar substances such as carbohydrates can be separated. Large-volume vertical wicks between the curtain and electrode vessels provide optimal distribution of the electric field and prevent migration of electrode products into the paper curtain. Controls permit adjustment of feed point and positioning and orientation of the pattern. (Spinco Division, Beckman Instruments, Inc., Dept. Sci., 732 O'Neill Ave., Belmont, Calif.)

■ **PHOTOELECTRIC ANALYZER** model III, an instrument for automatically analyzing, recording, and controlling chemical processes involving liquids, vapors, or gases, has been announced. Automatic recording without auxiliary attendance is possible because the instrument periodically and automatically checks and resets itself to compensate for any smudge accumulation on cell windows or other similar sources of error. (Manufacturers Engineering and Equipment Corporation, Dept. Sci., Hatboro, Pa.)

OPTICAL BARGAINS

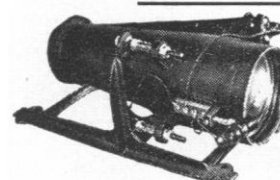
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Low Price Yet Suitable for Classroom Use! Only \$14.95
3 Achromatic Objective Lenses on Revolving Turret!

Imported! The color-corrected, cemented achromatic lenses in the objectives give you far superior results to the single lenses found in the microscopes selling for \$9.95! Results are worth the difference! Fine rack and pinion focusing. Stock No. 70,008-W \$14.95 Postpaid



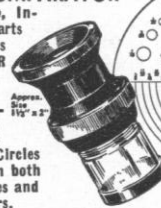
**OPTICAL
COLLIMATOR**
War Surplus

Designed to check navigational instruments. Used by industry as a collimator for optical instruments, for testing lenses for defini-

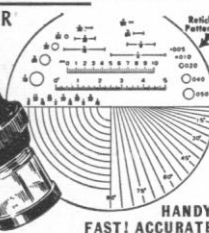
tion, as a source of infinite light, and for photographing reticles at infinity. Purchased by many firms as a source for the fine lenses and parts it contains. Consists of a large cemented achromat, 5" in diameter, with a focal length of approximately 25", a pinpoint reticle lighted by a 6-8-volt bulb (to represent a star), a first-surface mirror to reflect the light from the reticle. Overall length 14 1/2"; width of cradle 7 1/2". Slightly used, but in good working order. Stock No. 80,025-W .. \$95.00 f.o.b. Barrington, N. J.

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MEASURES
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FAST! ACCURATE!**

Fine, imported measuring magnifier—for fast, accurate inspections. Black anodized metal cell. Clear Plastic base. Focusing adjustment. Comes in protective leather case. Money-back guarantee!

Stock No. 30,061-W .. New Low Price .. \$19.50 Postpaid

**New! 2 in 1 Combination! Pocket-Size
50 Power MICROSCOPE
and
10 Power TELESCOPE**

**ONLY
\$4.50
ppd.**



Useful Telescope and Microscope combined in one amazing, precision instrument. Imported! No larger than a fountain pen. Telescope is 10 Power. Microscope magnifies 50 Times. Sharp focus at any range. Handy for sports, looking at small objects, just plain snooping.

Send Check or M.O.
Satisfaction Guaranteed

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Huge selection of lenses, prisms, war surplus optical instruments, parts and accessories. Telescopes, microscopes, binoculars. Hand spectroscopes, reticles, mirrors, Ronchi rulings, dozens of other hard-to-get optical items. America's No. 1 source of supply for Photographers, Hobbyists, Telescope Makers, etc. Ask for catalog W

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Satisfaction Guaranteed!

EDMUND SCIENTIFIC CORP.
BARRINGTON, NEW JERSEY

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

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	\$22.00 per inch
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26 times in 1 year	20.00 per inch
52 times in 1 year	19.00 per inch

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

POSITIONS WANTED

Bacteriologist, Ph.D. Since 1948 senior bacteriologist and administrative assistant to research director; has been associated with the organic chemistry and pharmacology divisions in the research and development of new therapeutics and pharmaceuticals. Medical Bureau (Burneice Larson, Director), Palmolive Building, Chicago. X

Invertebrate Zoologist (Marine), Ph.D. Experienced teacher desires change—teaching, research, or museum. Box 23, SCIENCE. X

Neurophysiologist, Ph.D. Electrophysiology, stereotaxic, and so forth. Publications. Three years' teaching, Assistant Professor, mammalian, general, neurophysiology. A.B., M.A., Anatomy. Desires teaching with adequate time for research. Box 20, SCIENCE. 2/10

Pharmacologist; early 50's; Ph.D. chemistry, physical chemistry; nearly 20 years' experience, administration and direction of pharmaceutical research with well-known organizations; highly recommended; \$15,000; prefers East but will consider any location. Woodward Medical Bureau, 185 North Wabash, Chicago. X

Virologist, Ph.D. Experienced in publications. Desires research position in university or industry. Box 22, SCIENCE. X

Zoologist; doctorate, 36. research and teaching experience; desires teaching position with responsibility. Box 21, SCIENCE. X

POSITIONS OPEN

Biochemist, M.S. or B.S., preferably with experience to assist in research. Permanent position, starting salary to \$5400 with yearly increases. Send complete résumé and photograph to Dr. David S. Kinnory, Dept. of Biochemistry, Loyola University, 706 South Wolcott, Chicago 12, Illinois. 2/10

Histology—Research Technician: Immediate appointment. Some previous experience required. Tissue preparation and participation in activities of group engaged in medical research. Permanent positions; 40-hour week; extra benefits. May Institute for Medical Research. Write to Personnel Manager, Jewish Hospital Association, Cincinnati 29, Ohio. X

MATHEMATICIANS ON CAPE COD

This private scientific research laboratory has an immediate opening for a computer in the meteorological section. Requirements: a bachelor's degree in mathematics desirable but not essential. Would accept person who has good academic record in differential equations. In replying, please write giving complete statement regarding education, training, and experience. If called for interview, we will pay travel expenses. Woods Hole Oceanographic Institution, Woods Hole, Massachusetts. 1/27; 2/3, 10

Pharmacologist. Vacancy in our laboratories for Research Associate, M.S. degree, with some experience in neurophysiology and electroencephalography. In confidence, send complete résumé and salary requirements. Schering Corp., Manufacturer of Fine Pharmaceuticals, 60 Orange St., Bloomfield, N. J. X

PHYSICIANS WANTED

Associate or assistant pathologist to Dr. David R. Meranze, Board certified or eligible. Major, general hospital, medical school affiliated; active teaching and research institution. Highly qualified staff. Albert Einstein Medical Center, Southern Division, Philadelphia 47, Pa. 2/3, 10, 27

Physiologist: teaching and research. Training or interest in gastroenterology, neurophysiology, electronics desirable. Excellent facilities. Salary and rank dependent on qualifications. Dr. J. P. Quigley, Department of Physiology, University of Tennessee, Memphis. 2/3

POSITIONS OPEN

POSITIONS REQUIRING DEGREES IN MEDICINE OR SCIENCE: (a) Manufacturing Biochemist; Ph.D. with manufacturing experience; supervise manufacture of biological products; to \$8500; important Eastern pharmaceutical house. (b) Pharmacology Instructor; prefer experienced electronic equipment as used in cardiovascular research; well-known Eastern medical school. (c) Experimental Immunologist; M.D. or Ph.D.; research laboratories, 250-bed tuberculosis hospital; medical school affiliations; West. (d) Bacteriologist; M.A. and hospital or medical school experience; head department, very large general hospital; well-equipped and active laboratory; teaching opportunity, nursing and technology schools; desirable university city; Midwest. (e) Biochemist; approved 250-bed general hospital; college city of 100,000; Southwest. (f) Research Serologist or Immunochemist; Ph.D. preferred, with streptococci experience; research principally rheumatic fever, allied diseases; important Eastern medical school. For further information write Woodward Medical Bureau, 185 North Wabash, Chicago. X

(a) Technical Service Specialist; Ph.D., Pharmacy or Pharmaceutical Chemistry; minimum 10 years' general pharmaceutical experience (5 years in manufacture of pharmaceutical products preferred); \$9000–13,000; East. (b) Director or Associate Director, Clinical Research; pharmaceutical company; East; \$20,000; physician required. (c) Chemist, Analytical or Physical; well-known laboratory engaged in practical research; opportunity for medical-school faculty appointment; \$10,000–12,000; Midwest. (d) Biochemist, Ph.D., and Bacteriologist, minimum M.S., head 450-bed teaching hospital; expanding facilities; university center, East; minimum \$7000 and \$5500, respectively. S2-1 Medical Bureau (Burneice Larson, Director), Palmolive Building, Chicago. X

GRANTS

Graduate Assistantships in Teaching and Research available for September, 1956. Load 12 or 6 hours per week. Remainder of time available for graduate work leading to Master's degree. Stipends range from \$550 to \$2000.

Teaching Fellowships for Advanced Graduate Students. Load 15 hours. Stipend, \$1800.

Contact Chemistry Department, Howard University, Washington 1, D.C. 3/30

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