**FUNCTION GENERATOR** contains up to ten curves, each printed on a thin plastic sheet, all of which are pressed together into a single laminated sheet approximately 3/64 in. thick. The laminated sheet is made to fit the manufacturer's recorder-curve follower. A cable-connected switch unit permits selection of individual curves to be followed. Any desired function can be printed. An initial model contains ten common functions. (F. L. Moseley, Dept. 6)

**X-Y RECORDER** consists of an 11-by-17-in. plotter with separate input modules for general-purpose, computer, low-level differential, time-base, curve-following, and other specialized functions. Function modules are remotely operated. Internal calibration, accurate to ±0.05 percent, is provided by a Zener diode reference. Record paper is held down by vacuum. (Electro Instruments, Dept. 5)

**POWER SUPPLY** for cathode-ray tubes provides all power required for high-intensity cathode-ray tubes with pre- and post-acceleration, including focus and intensity controls and coupling condensers, in a space less than 2.5 by 4 by 5.5 in. The unit can be operated at altitudes up to more than 70,000 ft without pressurization. Input is 115v, 380 to 1500 cy/sec; outputs are 6.3 v at 1 amp, 2.5 kv at 100 μa, and -2.5 kv up to 500 μa. Ripple value in a typical circuit is said to be less than 1 percent. (Avionics Research Products, Dept. 10)

**INTEGRATING MANOMETER** reads average of pressures indicated by 2 to 49 manometers. Averaging is accomplished by using precision-bore tubing and providing cross-manifold, cross-reservoir, and guillotine-type values for individual tubes. The unit may be used without modification as a standard multibank manometer. (Dynametrics, Dept. 10)

**ESTERS** are described in 48-page booklet which outlines the properties and applications of 26 esters. Basic reference data are provided by 27 graphs and tables which show evaporation rates, viscosities of solutions, dilution ratios, specific gravities, constant boiling mixtures, and other properties. A detailed bibliography is included (Union Carbide Chemicals, Dept. 15)

**ENVIRONMENTAL TEST CHAMBER** is designed to fit into a standard 19-in. relay rack. Chamber volume is 1.5 ft³. The unit is furnished with indicating controller, forced-air circulator, electric heating, and direct refrigeration; it is available mounted or separate. (Conrad, Dept. 14)

Joshua Stern
National Bureau of Standards,
Washington, D.C.
21 AUGUST 1959

**PRECISION ALONE IS NOT ENOUGH**

**A COLEMAN UNIVERSAL SPECTROPHOTOMETER OFFERS PRECISION, SPEED, RELIABILITY AND VERSATILITY**

The Universal performs precise analyses faster than any other spectrophotometer. The design of this instrument constitutes a classic approach to the use of the visible spectrum as an analytical tool... and thus the Universal allows the valid use of calibration curves (precision)... it provides consistent reproducible accuracy day after day... (it's reliable)... and its inherent simplicity avoids numerous mechanical and electronic adjustments (speed).

"Universal" is this Coleman spectrophotometer's middle name... it promises a very broad scope for the analyst who has a wide range of interests (versatility). Simple, inexpensive adapters quickly convert it for nephelometry, fluorimetry, trace determinations, micro analysis and other unusual and useful determinations.

If you don't already know about this remarkable instrument—ask for Bulletin B-241A.
CLASSIFIED: Positions Wanted, 25¢ per word, minimum charge $4. Use of Box Number counts as 10 additional words. Payment in advance is required. Positions Open, $13 per inch or fraction thereof. No charge for box number.

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 $3.00 per inch
- 4 times in 1 year $2.00 per inch
- 13 times in 1 year $1.25 per inch
- 26 times in 1 year $1.00 per inch
- 52 times in 1 year $0.75 per inch

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

 Replies to blind ads should be addressed as follows:
- Box (give number) Science 1515 Massachusetts Ave., NW Washington 5, D.C.

PERSONNEL PLACEMENT

POSITIONS WANTED

Neuroanatomist-Neurophysiologist, Ph.D. Zoology and medical school teaching; Phi Kappa Psi, Alpha Kappa Kappa, Sigma Xi. Age 33; 14 publications. Curriculum vitae write Box 200, SCIENCE. 8/28; 9/4, 11, 18, 25

Pharmacist-Psychologist, more than 10 years’ experience in industrial pharmacology; recent M.A. in psychology. Desires industrial personnel or administration. Prefer southern location. Box 195, SCIENCE.

Plant Physiologist, Botanist, Ph.D. Desires research opportunity biochemical, experimental morphology; or curatorial position economic botany—noxious, cryptogamic plants. Editorial work considered. Box 201, SCIENCE.

POSITIONS OPEN

ELECTRONIC ENGINEER OR PHYSICIST

Manufacturer of synthetic fibers with subsidiary interests in the field of electronic components is expanding its research efforts in electronics and has an opening for an electronic engineer or a physicist with strong theoretical background and experience in electronics to assist in the design of experiments for achieving specified research goals in the field of dielectric materials. Will be responsible for testing the physical and electrical properties of specialty insulators for microwave systems. Pleasant working and living location near Asheville, N.C. Excellent benefits; 5-day work week; moving expenses. Send complete résumé, including salary requirements, to Employment Manager, Enka, N.C.

AMERICAN ENKA CORPORATION

(a) Bacteriologist: Ph.D., equivalent, experienced medical bacteriology, able supervise this section, work of five employees; 450-bed general teaching hospital; to $9000; eastern metropolitan area. (b) Biochemist: excellent opportunity for qualified Ph.D. to supervise clinical section, teach technologists, establish new tests; some research opportunities. New laboratories under construction in 400-bed general hospital; to $12,000; Midwest. (c) Chemist: B.S., M.S., qualified in latent procedures; well-equipped, busy county public health laboratory; minimum $6500; New York. (d) Bacteriologist: M.S. to head busy department in active laboratory, 400-bed hospital; some teaching; to $7200; midwestern college city $5000. (e) Biochemist: Ph.D. experienced in coagulation, train in-plant visitors, keep abreast of competitive products, deliver coagulation seminars; about $10,000; eastern pharmaceutical concern. Woodward Medical Bureau, Ann Woodward, Director, 185 North Wabash, Chicago.

Biological Production. Opportunity for top production man, either D.V.M. or Ph.D., biological production with an ethical veterinary supply company. Requirements include biological production experience, administrative and executive potential, and ability to direct people. Opportunity for growth. Salary commensurate with training and experience. Other employee benefits. Box 196, SCIENCE. 8/28; 9/4

College Textbook Representative

Creative opening in Northeast or Midwest for expanding department of leading technical publisher. Young man with publishing and/or science or engineering background required. Replies confidential. Send résumé.

Box 199, SCIENCE