TEMPERATURE RECORDER, requiring no external power source, is said to be resistant to shock and vibration and to provide measurement accuracy ±1 percent of range. A spring-wound chart drive provides 8-day operation. (Partlow Corp., Dept. 66)

COPYING MACHINE ADAPTER permits seismograph records of width up to 14-in. and of indefinite length to be copied continuously by the "Thermofax" process at approximately 0.25 ft/sec. The adapter is placed in front of the copying machine for use. No installation is required. (Minnesota Mining and Manufacturing Co., Dept. 67)

AUTOMATIC TITRATOR can cover a wide variety of titrations, including those involving pH and dead-stop end-points. The results of the titration are presented in digital form or as a chart record. The instrument consists of three interconnected units: a titration-control unit containing end-point circuits; a sequence-control unit; and a burette unit, including sampling devices, reaction vessel, meniscus-finding mechanism, and record presentation system. Devices are available for sampling a continuous source or for individual samples. Alternative amplifiers are suitable for pH, redox, and similar titrations and for dead-stop titrations. The latter is sensitive enough for use of 0.1N iodine solutions. The burette, of 50-, 25-, or 10-ml capacity, is read by a photoelectric meniscus follower. Results, in the form of typed record, include volume of titrant, time of titration, and other information, as desired. Adjustments are provided to permit recording of actual answer rather than volume of titrant. (Baird & Tatlock Ltd., Dept. 74)

GAUSSMETER utilizes the Hall-effect principle to measure magnetic flux up to 50,000 gauss in static or a-c fields. Nine full-scale ranges are provided to cover the total range. Accuracy is ±3 percent. Two standard magnets, calibrated to ±1 percent, are furnished for calibration at 1000 and 5000 gauss. The instrument uses transistors throughout. (Radio Frequency Laboratories, Inc., Dept. 72)

DIGITAL DISPLAY CONVERTER attaches to decimal counters that display each decimal digit on a vertical array and translates to an in-line display. The device operates photoelectrically, reading the illuminated indicators on the face of the counter; thus it can be used with counters that do not have circuit termination provision for in-line read-out matrix decoding. (Radio Frequency Laboratories, Inc., Dept. 73)

MICROPROJECTOR can project the image of a microslide object on a horizontal table top or a vertical screen. In either mode of operation, slides are held horizontally so that fluids can be studied. The unit weighs 10 lb and stands 27 in. high. (Herrick Machine Works, Dept. 70)

OXIDATION UNIT permits determination of oxygen absorbed by rubber, plastics, or other materials on exposure to air or oxygen. Fourteen sample tubes, each equipped with a gas buret and leveling bulb, are provided. The tubes and burettes are thermostated to ±0.1°C; temperature is adjustable to 400°C. (G. F. Bush Associates, Dept. 69)

PRINTING COUNTER counts up to 500 count/min. Print-out to five digits, on paper tape, is initiated by means of a push button on the unit or by means of a remotely located contact closure. Print-out may automatically reset the counter, or cumulative totals may be carried. (Royson Engineering, Dept. 68)

THE SPECIES PROBLEM

AAAS SYMPOSIUM VOLUME NO. 50
Edited by Ernst Mayr, Harvard University
6 x 9 in., 404 pp., references, index, clothbound, October 1957
Price $8.75; special cash order price for AAAS members $7.50

The symposium was arranged by the Association of Southeastern Biologists and cosponsored by AAAS Sections F and G, as well as four other societies. Most papers are published essentially as given in Atlanta in December 1955. Dr. T. M. Sonneborn, however, undertook a comprehensive survey of the species problem in the protozoans and particularly in the ciliates. His masterly synthesis comprising more than two-fifths of the volume is a fundamental contribution to the protozoon literature.

This symposium made a solid contribution toward the solution of the species problem. It broadened the base on which to discuss the problem by utilizing new organisms. It led to a clarification of the areas of general agreement among biologists. It presented a clear statement of the various species concepts and frankly stated and enumerated difficulties in their application to different types of natural populations. Finally, it illuminated certain aspects of the ageless species problem that had been neglected previously, and it attempted a statement of still controversial issues. From these papers it should be evident that the species problem is still one of the important issues in biology.
Two new openings in Research Library, Detroit, Michigan, with possibility of transfer to new medical research unit at Ann Arbor, Michigan, in 1960.

1. Cataloger with thorough background in classification.
   MLS degree and background in science or science degree.

2. Reference Librarian
   Science degree with library background or training.

Applicants should have experience in industry or other special library and ability to assume responsibility for respective functions. French and German required.

Liberal salary and benefit plans.

Send resume to Personnel Department, Parke, Davis & Company, Detroit 32, Michigan.

---

**PERSONNEL PLACEMENT**

---

**POSITIONS OPEN**

(a) Biochemist, Ph.D., association, well-established pathologist, director of pathology, new general hospital, California. (b) Director, department, biological sciences; duties involve scientific leadership of established group of professional and supporting personnel; should be specialist in one of biological sciences, Ph.D. or M.D.; major research organization. (c) Associate Director of Product Development; minimum, B.S. degree plus pharmaceutical experience in collating experimental products and as well as organic syntheses; university town, Midwest; $3000. (d) Scientists, M.S., Ph.D., or M.D.; in fields such as pharmacology, biology, biochemistry, chemistry, bacteriology, biophysics, radiology, pathology; renowned research institution affiliated medical school; salaries, dependent on qualifications, up to $12,500 range; East, S.I.-5 Medical Bureau, Burneice Larson, Director, 900 North Michigan Avenue, Chicago.

Biologist or Biochemist for research in experimental arteriosclerosis and hypertension. Write Director, May Institute for Medical Research, 421 Ridgeway Avenue, Cincinnati 29, Ohio.

Experience Cyto technologist. Papanicolaou Research Laboratory, 1300 York Avenue, New York 21, New York.

NEW WORLD-WIDE SUMMER PLACEMENT DIRECTORY. Thousands of opportunities in all states, many foreign lands for science teachers, and so forth, who have the summer free. Includes study awards, industry camps, resorts, ranches, travel tour agencies, earning free trips to Europe, and so forth. Earn, learn, and travel while you vacation. Complete information, including salaries. Send $2 now. CRUSADE, Sci., Box 99, Station G, Brooklyn 22, N.Y.

Pharmacologist-Physiologist openings in neuro pharmacology for persons with some background and interest in this field. B.S., M.S., and Ph.D. levels. Active research programs. Opportunity for advancement. Contact ABBOTT LABORATORIES, North Chicago, Ill. 5/30, 6/6, 13