for computer control. Each line may be driven by a single tube or transistor. Read coils can be installed every 3 μsec along the width of the line. Each pickup requires one tube or transistor for amplification and reshaping. Temperature coefficient of 0.005 percent per degree centigrade may be improved by compensation techniques. (Deltime Inc., Dept. S968)

- **LINT-FREE CLOTHING** is available as lab-coats, coveralls, or uniforms. The garments are woven of individual extruded filaments rather than of the usual spun or twisted yarns. Exceptional wear properties and ease of decontamination are claimed. (Milburn Co., Dept. S967)

- **PROXIMITY COIL** consists of two adding primaries and two backing secondaries. Sensitivity may be controlled by adjusting a screw which unbalances the system. Passage of nonmagnetic material, such as zinc and lead parts, through the coil restores balance and actuates a relay. (Automatic Timing and Controls, Inc., Dept. S980)

**CHROMATOGRAPHS** use a centrifugal field to reduce the time necessary for chromatographic separation. Two units are available. One uses a paper disc 45 cm in diameter for simple chromatography; the other, for electrophoresis, uses a rectangular revolving head with swinging cups to collect fractions. Both units are equipped with motors variable in speed from 300 to 900 rev/min. A speed indicator and a timer are provided. The electrophoresis unit is supplied with an adjustable 1000-v supply. (Labline Inc., Dept. S974)

**VACUUM CALCULATOR** is a slide-rule device for computing of pumping capacity needed to evacuate a given volume to a specified vacuum in a given time, or to compute evacuation time if pump capacity is known. The device is available on request. (F. J. Stokes Corporation, Dept. S966)

**ANALOG- AND DIGITAL-COMPUTER LINK** permits simultaneous operation of full-scale analog- and digital-computer facilities. Analog-voltage-to-digital conversion is effected with resolution of 10 binary-digits plus a sign bit. Conversion time is less than 30 μsec; conversion repetition rate is 33 kcy/sec. Digital-to-voltage-analog conversion is accomplished in a conversion time of 2 μsec. Output voltage is ±100 v, and output impedance is 47 μ and 100 ohm. (Epsco Incorporated, Dept. S969)

**MICROSCOPHOTOMETER** with ultraviolet microscope furnishes a record of transmission or absorption as a function of wavelength of areas as small as 1 μ. The spectrophotometer is of double-beam type adjustable from 2300 to 6000 A. One beam provides a reference, the other goes through the microscope specimen. The microscope is furnished with one reflecting objective of magnification 53, one reflecting condenser, and one ocular of magnification 3.5. Fine focus may be adjusted in steps of 1 μ; and stage may be rotated and moved in x and y directions. (Neutronics Research Co., Dept. S976)

**JOSHUA STERN**

National Bureau of Standards

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Associate Medical Director to assist in clinical investigation for large Canadian firm of manufacturing chemists, Health Research Laboratories, Montreal. Some travelling involved. M.D. or Ph. D. in pharmacology. Box 74, SCIENCE. 3/28

Bacteriologist-Pharmacologist. Unusual opportunity for aggressive man to head department. Independent research and testing organization. Send resume to Dr. J. Elbert, Scientific Associates, 3755 Forest Park, St. Louis 8, Missouri. 4/4, 11

Graduate Research Assistantship in Pharmacology; M.S. and chemical background preferred; annual stipend $2 400 starting 1 July 1958; eastern metropolitan area. Box 62, SCIENCE. 4/4

Index Editors, biological science publication: (a) Junior Grade, B.A. or B.S., biology or chemistry; salary, $3000; (b) Senior Grade, M.A. or M.S., index experience or other base for work potential above duties at junior level, $4500. Cares post with automatic and merit increases after training. Biological Abstracts, Index Department, 3815 Walnut St., Philadelphia 4, Pa. 3/28

(a) Instructor, Assistant Professor and either Associate or Full Professor in Physiology; salaries respectively $5700, $7800, $9000, and $10,000 to M.D. with teaching and research experience; teaching principally in physiology course for medical students. (b) Virologist, preferably Ph.D.; master's considered; duties consist of conducting surveys of virus, $8000; seniors, $12,000-$17,000; Midwest. (c) Chief Chemist to head department, 500-bed general hospital affiliated university medical, East: $6000-$8000. (d) Directors of Organic and Biological Chemistry, Research, starting position,掛 pharmaceutical company; Midwest 3-4, Medical Research, Barnese Larson, Director, 900 North Michigan, Chicago. X

Literature Biologist, with some library training and/or experience in acquisitions and records for challenging responsible position with bio- logical information center in eastern city, Sal- ary dependent upon qualifications; annual in- creases. Annual leave system; sick leave; retire- ment program. Please send details of qualification to Box 73, SCIENCE. 3/28

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**POSITIONS WANTED**

Botanist, Ph.D., 32, male; 5 years' teaching experience, Elementary botany, morphology, B.S. in arts-education. Publications. Assistant professor large eastern university desires challenging teaching position. Box 68, SCIENCE. X

Pharmacologist, Ph.D., age 26. Research publications; teaching experience. Seeks staff position in medical institution while studying for M.D. Location immaterial. Box 83, SCIENCE. X

Physiological and Experimental Ecologist, biologist, Ph.D; 15 years' experience. Desires teaching and research position. Box 76, SCIENCE. 3/28

Zoologist, Ph.D., professor, broad biological training, desires positions in government health or social departmental type: Box 75, SCIENCE. 3/28

Applications are invited for position, beginning September 1958, of Assistant Professor of Biol- ogy to teach invertebrate zoology. Opportunities for research available. Salary scale $4400-$6000. Appointment at beginning of academic scale. University contributes toward moving ex- penses. Applications with curriculum vitae and names of three references should be sent to the Head, Department of Biological Sciences, University of Newfound- land, St. John's, Newfoundland, Canada. 3/28, 4/4