# **New Products**

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Neither Science nor the writer assumes responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to the manufacturer. Include the department number in your inquiry.

**SPECTROPHOTOMETER ATTACHMENT** for the model DU spectrophotometer prints wavelength and transmittance information directly on printed sheets or strip charts. The chart drive of the printer is attached to the wavelength knob of the spectrophotometer, and the pen drive is attached to the potentiometer. The operator sets each knob as he normally would and presses the print bar to record a dot whose location on the chart provides both wavelength and transmittance information. The attachment does not interfere with the normal use of the instrument, according to the manufacturer. (Connecticut Instrument Corp., Dept. Sci-95, Wilton, Conn.)

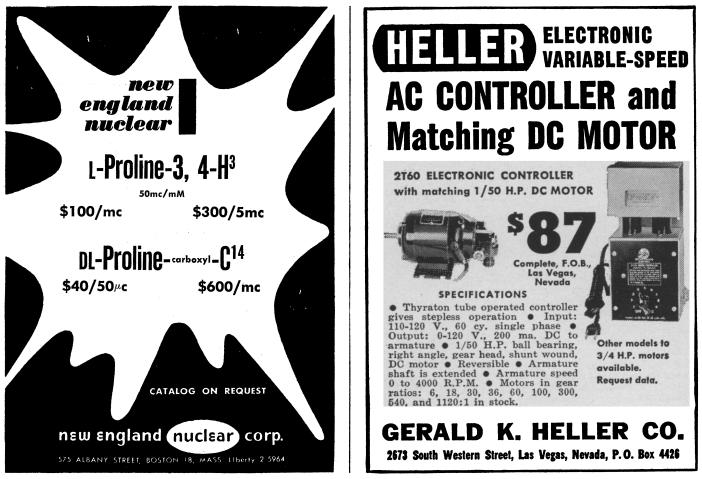
• AUTOMATIC ATTENUATOR for application in gas chromatography is designed to hold peaks on scale in recording results. The instrument automatically changes attenuation when the recorder pen reaches an upscale position of 95 percent or a downscale position of 35 percent. There are eleven attenuation positions which increase or decrease by a factor of two; these attenuations cover the range 1 to 1024 with an infinity position provided. A switch permits manual operation at any time; an auxiliary circuit prevents jamming or locking of the automatic mechanism when a peak requires several instantaneous changes of attenuation to remain on scale. (F. & M. Scientific Corp., Dept. Sci105, 1202 Arnold Ave., N.C.C. Airbase, New Castle, Del.)

TRIAXIAL ACCELEROMETER simultaneously measures acceleration in three mutually perpendicular planes. The unit has a sensitivity of 20 mv (peak)/ grav along each axis and a frequency response of 2 cy to 5 kcy/sec; resonance frequency is 100 kcy/sec; maximum acceleration is 1000 grav; amplitude linearity is  $\pm 1$  percent. Temperature range is  $-65^{\circ}$  to  $+300^{\circ}F$  for standard units and  $-65^{\circ}$  to  $+500^{\circ}F$ for high-temperature units with less than  $\pm 10$  percent variation in sensitivity throughout the ranges. Three subminiature output connectors and lownoise cables are supplied. (Columbia Research Laboratories, Dept. Sci108, MacDade Blvd. and Bullens Lane, Woodlyne, Pa.)

HUMIDITY SENSING ELEMENT is said to respond to any gas or vapor whose molecules exhibit an electrical dipole moment. Resistance of the element is said to change in the presence of polar molecules according to their concentration and the magnitude of the dipole moment. In air at 25°C resistance ranges from 1000 megohms at 25 percent relative humidity to 1 to 2 megohms at 98 percent relative humidity. According to the manufacturer, response time is rapid, and the element is insensitive to temperature changes from 0° to 100°C. (Conrad Carson, Inc., Dept. Sci99, 3110 Goddard Way, San Diego 1, Calif.)

• X-RAY SPECTROMETER incorporates both a linear rate meter coupled to a recorder and a high-speed printing decade scaler and electronic timer. Noise levels have been reduced to below 1 kv, allowing soft x-rays such as aluminum K to be resolved. System gain stability is said to be better than  $\pm 0.25$  percent per day, linearity better than 0.1 percent. The scaler-timer combination can be used to punch paper tape or cards. (Hamner Electronics Co., Dept. Sci87, P.O. Box 531, Princeton, N.J.)

JOSHUA STERN National Bureau of Standards, Washington, D.C.



SCIENCE, VOL. 133

# PERSONNEL PLACEMENT

CLASSIFIED: Positions Wanted, 25¢ per word, minimum charge \$4. Use of Box Number counts as 10 additional words. Payment in advance is required.

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### POSITIONS WANTED

(a) **Bacteriology** Ph.D. 1960; biochemistry mi-nor; virus research and hospital experience; in-terested in clinical appointment or in medical or commercial research opportunities; (b) **Cytology M.S.** degree; qualified in parasitology and elec-tron microscopy; desires teaching or research appointment. (Please write for information re-garding these and other scientists in all fields; nationwide service.) S3-3 Medical Bureau, Inc., Science Division, Burneice Larson, Chairman; 900 North Michigan Avenue, Chicago. X

Biochemist. Academic appointment. Research and teaching. Graduate faculty. Publications. Dr. J. H. Schneider, American University, Beirut, Lebanon. 3/3, 17, 31; 4/14, 25; 5/12, 26; 6/9

Botanists: Ph.D., head, government research group in physiological ecology desires university position. Research facilities to be available for Ph.D. wife. Box 58, SCIENCE. X

Cytologist-Electron Microscopist, Ph.D.; expe-rienced. Desires university or research position, Box 56, SCIENCE. 3/24

**D.V.M.**, M.S. Teaching, research, administrative experience; knowledge bacteriology, nutrition, toxicology, biochemistry. Prefer 9 months' or part-time teaching position, fellowship, exten-sion or administrative position, not necessarily in veterinary field. Box 57, SCIENCE. X

Microbiologist-Biochemist, B.S., M.S. Married, two children; 8 years of research experience in microbiology, pharmacology, biochemistry. Seeks position permitting study for Ph.D. Box 55, SCIENCE. X

Microbiologist, Ph.D., 14 years of university teaching-research; environmental and pathogenic (plant, animal) microbiology, immunology; pub-lications, Desires academic teaching-research po-sition. Box 44, SCIENCE. 3/17

Virologist, expects M.S. in June 1961; trained in tissue culture, immunology; prefers research posi-tion. Box 53, SCIENCE. 3, 17

POSITIONS OPEN

### BACTERIOLOGIST

Opening in chemotherapeutic research in expanding pharmaceutical firm.

Requires B.S. or M.S. degree in bacteriology. Experience in industrial laboratory desirable, but not required

Please send résumé and salary requirement to:

Manager, Technical Employment Mead Johnson & Company Evansville 21, Indiana

17 MARCH 1961

#### POSITIONS OPEN

(a) Animal Physiologist for research on repro-duction, endocrines, and so forth, and some teaching at state agricultural college; assistant professor rank, \$7350 year up; East. (b) Director of R&D Department with Ph.D. or M.D. degree and pharmaceutical experience to head biological science, pharmacy, control sections, and medical department of leading ethical drug specialty firm with expansion program offering exceptional ad-vancement opportunities to progressive admin-istrator; open to \$25,000; Mideast. (c) Virology Research Director with tissue culture experience to supervise entire program for large drug firm; \$15,000-\$20,000; East. (d) Assistant Professor of Clinical Pathology, M.D, or Ph.D. to head blood bank division and allied sections, teach, and conduct research for large university hospital; \$10,000 up; Southeast. (e) Clinical Research Di-rector to supervise clinical testing and coordinate research programs for state college; \$5000-\$6300 for 9 months; \$7000-\$8040 for 12 months; Southwest. (g) Biochemist to assume responsibility of department in progressive hos-pital; \$7000-\$10,000; East. (h) Bacteriologist to direct department of hospital recently expanded to 650 beds with modern facilities and re-search opportunities; \$9000-\$12,00; Southwest. (i) Geneticist for pre- or postdoctoral appoint-ment in tropical medicine school; foreign. (j) Microbiologist with M.S. or Ph.D. degree for ful-time research in sanitary microbiology with instructor or assistant professor for state college; stology/Neuropharmacology Assistant Professor for teaching and independent research at medi-cal school; \$8000-\$10,000; Suth, (Please write for detail; also many other positions available through our nationwide service. S3-3 Medical Bureau, Inc., Science Division, Burneice Lar-son, Chairman, 900 North Michigan Avenue, Chicago. THE BEST SOURCE FOR THE BEST MEDICAL-SCIENTIFIC POSITIONS. X

BIOCHEMIST (Ph.D.) or PHYSIOLOGIST with background in intermediary metabolism and en-doctinology for group participation in research program on mode of hormone action in 750 bed hospital located on Indiana University Medical Center campus. Active participation in University teaching program and opportunity for independent research. Salary depending on background. Career Civil Service. Write Personnel Officer. Veterans Administration Hospital, 1481 West Tenth Street, Indianapolis 7. Indiana.

Biochemist or Immunologist, Ph.D. Studies on isolation of tissue antigens involved in homo-transplantation rejection. Send full personal information and salary requirements to

**Box 54, SCIENCE** 

MEMORIAL UNIVERSITY OF NEWFOUNDLAND St. John's, Newfoundland, Canada Applications are invited for the position Assistant Professor of Biology with special-ization in Animal Physiology, Embryology and Histology. Candidates with background and experi-ence in Marine Biology will receive pref-crence. Ph.D. or equivalent essential. Duties beginning September 1961, to include teach-ing and research. The starting salary will be based on qualification and experience. Applications accompanied by complete curriculum vitae and the names of three references should be addressed to the Head, Department of Biology, Memorial University of Newfoundland.

The University of Alberta invites applications for the position of Assistant Professor of Phys-iology effective not later than 1 September 1961 at a minimum salary of \$6500 per annum with annual increments. Duties include undergraduate and graduate teaching and a program of re-search. This department is seeking a Cellular Physiologist and some preference will be given to candidates with experience in electron micro-scopy. Inquiries for further information are welcomed by the Head of the Department of Physiology. Applications should include trans-cripts of records, a recent photograph, curriculum vitae, and the names of three referees, and should be addressed to the Dean of Medicine, University of Alberta, Edmonton, Alberta, Can-ada. X

POSITIONS OPEN

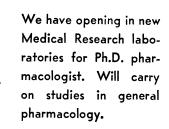
#### ANATOMIST, HISTOLOGIST, CYTOLOGIST, HISTOCHEMIST

Ph.D. or equivalent. Research institute, New York. Modern, well-equipped, and staffed laboratory. Opportunity for training in electron microscopy.

**Box 59, SCIENCE** 

#### **Medical Writer-Editor**

Unusual opportunity for scientifically Professional position with Ethical Pharmaceutical Division of expanding chemical corporation located in New York City suburbs. Box 19, SCIENCE.



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Salary commensurate with training and experience. Send resume showing education, experience, and salary desired to:

Mr. W. H. Harrington

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#### WRITERS-MEDICAL EDITORS **ABSTRACTERS-CODERS**

Career opportunity with leading drug manufacturer in rapidly expanding Medical Communications Department.

munications Department. REQUIREMENTS: Medical or scientific back-grounds, ability to compile, analyze, interpret and present clinical and scientific data with clarity and accuracy, retrieve information mechanically. IOCATION: Desirable suburban community, 20 miles from N.Y.C. Send complete resume to: Mr. L. H. Taylor

LEDERLE LABORATORIES AMERICAN CYANAMID COMPANY Pearl River, New York



#### LOW-LEVEL IRRADIATION

Editor: Austin M. Brues

A symposium organized by the AAAS Section on Zoological Sciences, cosponsored by the U.S. Atomic Energy Commission and the Division of Biological and Medical Research of the Argonne National Laboratory.

Public debate on global fallout has been acrimonious because scientific facts about radiation and human implications regarding nuclear warfare have become confused. Scientists have consequently been thought guilty of ignorance or of partisanship. The Symposium on Low-Level Irradiation deals in a considered way with the many points of view that have brought this about and indicates possible solutions.

Implications: Introduction—Radiation as a Public Health Problem—Responsibilities of the Press—Legal and Political Implications—Science and Morality

Summary and Conclusions—Index

December 1959, 158 pages, \$3.75 AAAS Members' Cash Orders \$3.25

English Agents: Bailey Bros. & Swinfen, Ltd. Hyde House, West Central Street London W.C.1, England

#### AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

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

# A report to the members of AAAS AAAS SYMPOSIUM VOLUMES

published during 1959 and 1960

No. 65	Aging Some Social and Biological As- pects	Retail	Members*	No. 57	Systems of Units—Na- tional and Interna- tional Aspects	Retail	Members*
Nov. 1960	Nathan V. Shock, Ed. 436 pp., 65 illus., index	\$ 8.50	\$ 7.50	Dec. 1959 <b>56</b>	C. F. Kayan, Ed. 308 pp., index Symposium on Basic	6.75	5.75
64	Calcification in Biologi- cal Systems			Oct.	Research Dael Wolfle, Ed., 328		
July	R. F. Sognnaes, Ed.			1959	pp., summary	3.00	2.50
1960	526 pp., 283 illus., 1 color page, index	9.75	8.50	55	Photoperiodism and Re- lated Phenomena		
63	Congenital Heart Disease				in Plants and Animals		
June	A. D. Bass and G. K.			Oct.	Robert B. Withrow,		
1960	Moe, Eds. 372 pp., 147 figures, index	7.50	6.50	1959	Ed., 921 pp., 256 illus., genera and		
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59	Low-Level Irradiation				tive Organisms to		
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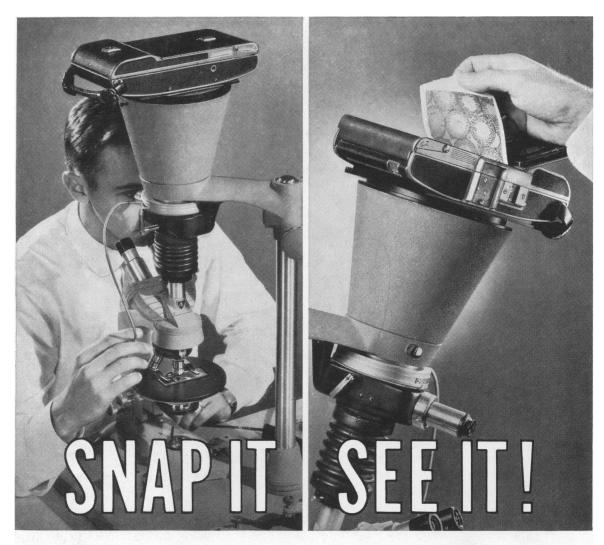
British agents: Bailey Bros. & Swinfen. Ltd., Hyde House, W. Central St., London, W.C.1

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# **AO Spencer Picture-in-a-minute Photomicrography**

When you use the AO Spencer Photomicrographic Camera equipped with the Polaroid® Land Camera back, permanent photographs are ready for your files in just 60 seconds. A coupled visual and photographic system lets you shoot what you see... quickly and effortlessly. And with the Polaroid back possible errors in exposure, illumination or focus can be corrected immediately.

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The sturdy vertical pillar, the easily adjustable camera support, the camera back and the Microstar all combine to provide a compact unit. Perfect alignment and rigidity is assured ... successful photomicrography becomes a "snap".

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