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BOOKS RECEIVED

(Continued from page 56)


MARIJUANA: Effects on Human Behavior
edited by LOREN L. MILLER


ADDITION
edited by PETER G. BOURNE


HANDBOOK OF PSYCHOBIOLOGY
edited by MICHAEL S. GAZZANIGA and COLIN BLAKEMORE


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AAAS NEWS

(Continued from page 52)

to provide for a much broader dissemination than can be achieved from the courses alone.

The OSE also collaborates with regional environmental councils to advance environmental education programs, and with the American School Counselors Association to improve secondary school counseling in science.

A prime concern of the latter project is to reverse the current pattern of counseling women and minorities out of the sciences in secondary school. Another program starting in 1975 will focus on improving science education in elementary schools that have large numbers of students from minority groups.

Science Education News, published by the Office six times a year, carries brief accounts of innovative educational programs and materials. Science for Society: A Bibliography, published annually, assists secondary school and college teachers and their students who are concerned with science/technology/society issues.

Notes from Other Offices

Opportunities in Science: A new publication, Rosters of Minority and Women Professionals, which contains information for makers of rosters as well as suggestions on the effective use of rosters to achieve equal opportunity, is available for $3.95.

* * *

Communications: Science on Television, the most recent in a series of occasional publications on science in the media, is available for $2.50. The issue covers commercial and public television, as well as the BBC in Great Britain and NHK in Japan.

Copies of a study guide and annotated bibliography to accompany Jacob Bronowski's television series The Ascent of Man are available on request.

* * *

Science and Society Programs: The deadline for the receipt of applications for the 1975–76 Congressional Fellows program is 31 March 1975.

* * *

Annual Meeting Notices: Several of the Offices are arranging special events in conjunction with the AAAS Annual Meeting. All of them will be held in the Americana Hotel unless otherwise noted.

Two meetings will be of special in-
terest to members concerned with international affairs:

29 January, 1:30 p.m., Hunter College. The Office of Science Education will hold an open discussion concerning possible activities for assisting foreign students both while studying in the United States and when returning home.

30 January, 5:00 p.m., Princess Ballroom. The Office of International Science is holding a discussion meeting on its present and proposed activities following an all-day panel on "Western Standards and Stereotypes as Impediments to Development." Seven African scientists, AAAS guests, will participate in both the panel and the meeting.

28 January, 7:30 p.m., LaLoire 2 & 3. The Communications Department is scheduling an open meeting to exchange information on public understanding of science activities with AAAS members and their guests.

29 January, 6:00 p.m., Versailles Room. The population project of the Office of International Science is sponsoring a no-host cocktail reception for the panelists and participants in the six sessions related to population.

NOVA Program Schedule

12 January. What Time Is Your Body? Biological clocks in plants, insects, animals, and man: and what happens when they start running at their own speed (a BBC production).

19 January. The Rise and Fall of DDT. A reexamination of the banning of DDT, once a wonder chemical and now a symbol of ecological doom (a BBC production).

26 January. The First Signs of Washoe (repeat). Have chimpanzees breached one of the traditional bastions of man's uniqueness, his ability to use language? (a WGBH production).

2 February. Take the World from Another Point of View. NOVA visits two very different scientists: Richard Feynman, a theoretical physicist and Nobel Laureate; and Jonathan King, a biologist just beginning to win acceptance from his peers, and deeply troubled about the social role of science (a WGBH production).

9 February. The Lysenko Affair. A dramatic reconstruction of the battle between the Lysenkoists and the classical geneticists that raged in the Soviet Union for 20 years and abruptly ended in 1948 when Stalin announced his support of Lysenko (a BBC/WGBH production).
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Radiation Survey Meter

Model 497 Radector IV is a wide-range detector of X-rays and gamma and radioactivity. The device features six-decade logarithmic response in two sensitivity ranges: 1 to 1000 millirads per hour and 1 to 1000 rads per hour. Beta radiation with intensities over 200 kiloelectron volts and X-rays and gamma radiation from 50 kiloelectron volts to 1.2 megaelectron volts are detectable. The device is self-contained and it is powered by four 9-volt batteries. Victoreen Instrument Division, Sheller-Globe Corporation. Circle 776.

Spectrophotometer

The Spectronic 710 (Fig. 1) detects wavelengths from 200 to 1000 nanometers with a constant 2-nanometer bandpass. Photometric readings in digital display indicate transmittance, linear absorbance, or concentration. A Factor Set button provides retrieval of the absorbance-to-concentration multiplier and permits one to set a known absorbance-to-concentration conversion factor. The operator may choose from among five sampling systems. The lamps are focused deuterium and tungsten types; both the lamps and their power supplies are integral. Bausch & Lomb, Analytical Systems Division. Circle 767.

Gaussmeter

The model 811 (Fig. 2) is accurate to within ±0.2 percent of the full scale. This Hall-effect instrument also offers stability: 100 parts per million from −20° to +70°C; ±0.01 percent of full scale from 90 volts a-c input to 140 volts a-c and a maximum drift of ±0.1 percent over any time period. Magnetic flux density is digitally displayed and binary coded decimal output options are available. There are five scale ranges from 0 to 10 gauss (0 to 0.001 tesla) up to from 0 to 100 kilogauss (0 to 10 teslas). There are also 110 different Hall-effect probes to choose from. F. W. Bell, Incorporated. Circle 774.

Constant Temperature Circulators

The Thermomix 1400 (Fig. 3) series includes four models. The user may select an instrument for: stability from ±0.02° to ±0.004°C; temperature range from −50° to +250°C; heating capacity from 750 to 1000 watts; and pumping rates from 3 to 13 liters of water per minute. Electronic sensors are built into all models. Other features include protection against overheating and fully proportional regulation of wattage. B. Braun Instruments. Circle 771.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card (see pages 18A and 82C) and placing it in the mailbox. Postage is free.—RICHARD G. SOMMER

Fig. 1. The Bausch & Lomb Spectronic 710 provides digital readout in three modes and features binary coded decimal output as well.

Fig. 2 (left). The 811 digital gaussmeter is available in bench cabinet or rack-mounted configurations. It measures magnetic flux density in five ranges. Fig. 3 (right). Temperature controllers and circulators of the 1400 series from B. Braun Instruments rely on electronic sensors. They offer stability, high heating capacity, and several temperature ranges.
Gas Chromatograph

The model 163 utilizes glass capillary columns and is resistant to shock and vibration. The columns have an inside diameter of 0.25 millimeter and are coated with liquid phase. The temperature range is from −50° to +400°C. Dual flow of carrier gas is independently regulated with a mass flow regulator. The temperature programmer is pulse regulated and there is a 12-stage control of the speed of temperature elevation. The thermocconductivity detector is a four-element rhenium-tungsten filament type. Hitachi, Limited. Circle 747.

Metering Pump for Liquid Chromatography

The constametric II provides solvent delivery without pulsation against pressures up to 5000 psig at flow rates ranging from 0.1 to 10 millimeters per minute. These pumps feature constant pressure and constant flow capabilities; a panel button allows selection even during operation. Pressure, flow rate, active high limit, active low limit, and temperature may be monitored in digital display. A cam drives two reciprocating positive-displacement sapphire plungers according to a program that causes the sum of the delivery from the two liquid ends to be a constant. This ensures pulse-free operation at all flow rates and pressures. Laboratory Data Control. Circle 768.

Seismic Profile Recorder

Model 255 offers the choice of recording on standard NDK paper or on aluminized Mylar. Features include variable cut-off filter and preamplifier, a time-variable gain control and a print programmer. A tape record and playback system stores the data to supplement the graphic record. Gate position is plotted automatically every 4 minutes. Applications include high-resolution profiling of near subbottom features. EG&G/Environmental Equipment. Circle 769.

Pocket-Sized Calculator

The CP-801 Pocket Mini calculator has an eight-digit display and features automatic square-root determination. It weighs less than 5 ounces and is about the size of a cigarette package. Power is derived from two penlight batteries which provide up to 24 hours of continuous operation. Another feature is a key designated "C" for the correction of errors made in entering figures for computation. Casio, Incorporated. Circle 770.

Literature


Matrix Electrostatic Printers, Plotters and Provers are the subject of Bulletin 113. It is a guide to use, selection, and specifications. Versatec. Circle 779.

Lab Products Catalog includes methods and materials for radioimmunoassay, filtration, and ligand separation. Spectrum Medical Industries Incorporated. Circle 780.

Temperature Control Devices are product sheets that describe baths, jacketed instruments, and open vessels. Haake, Incorporated. Circle 786.


Auto probe is a 16-page full color booklet devoted to a modular automated electron-microprobe/scanning electron microscope. Etec Corporation. Circle 783.

Guide to UV/VIS Cells is a wall chart that summarizes selection criteria, cleaning and maintenance, and cell characteristics. Beckman Instruments, Incorporated. Circle 784.

Bio-Phore is a precast gel electrophoresis system featured in bulletin number 1025. Bio-Rad Laboratories. Circle 785.

Chemical/Diagnostics Catalog is a guide to reagents, solutions, culture media, clinical test kits, and many other chemical products. VWR Scientific. Circle 763.

Mobility A to Z catalogs vans and trucks that may be custom designed for mobile clinics, research stations, and laboratories for field operations. Calumet Coach Company. Circle 764.