

the laboratories (insufficient in number, perhaps, but still there) but also the scientific personnel to carry out the work. The opportunities here are immense, and the challenge is something which Europe cannot match. There is, after all, a fundamental absurdity (though this was justifiably overlooked at the time they were created) in situating institutions of tropical research in England or indeed anywhere outside the tropics. This change alone is a big development. Most of the original work carried out in this country is, perforce, in applications such as agriculture and medicine. Nevertheless, the third step toward scientific maturity has already been taken, for there is now a great deal of "pure" research going on, particularly at the University College, Ibadan.

Science and technology in Nigeria are still young, but one feels that the plant is viable, that scientific activity will continue to grow, and that the nation as a whole will increasingly come to accept the new technologies as her best guarantee of future prosperity.

These are the impressions gleaned at the conference, at least by one observer. I feel that the Science Association of Nigeria is to be congratulated on the success of its first year of life and, in particular, of its second conference.

BRIAN HOPKINS  
University College, Ibadan, Nigeria

## Forthcoming Events

### June

8-10. Canadian Federation of Biological Societies (Canadian Physiological Soc., Pharmacological Soc. of Canada, Canadian Assoc. of Anatomists, Canadian Biochemical Soc.), 3rd annual, Winnipeg, Manitoba. (E. H. Bensley, Montreal General Hospital, 1650 Cedar Ave., Montreal 25, P.Q.)

8-11. National Soc. of Professional Engineers, annual, Boston, Mass. (P. H. Robbins, NSPE, 2029 K St., NW, Washington 6)

8-12. American College of Chest Physicians, Miami Beach, Fla. (M. Kornfeld, 112 E. Chestnut St., Chicago 11, Ill.)

9-10. American Geriatrics Soc., Miami Beach, Fla. (R. J. Kraemer, 2907 Post Rd., Warwick, R.I.)

9-10. Canadian Inst. of Food Technology, 3rd annual conf., Winnipeg, Manitoba. (W. J. Eva, Box 846, Winnipeg, Manitoba)

9-10. Society of Women Engineers, 10th annual conv., Seattle, Wash. (Mrs. J. A. Troxell, 3613 E. 43 St., Seattle 5)

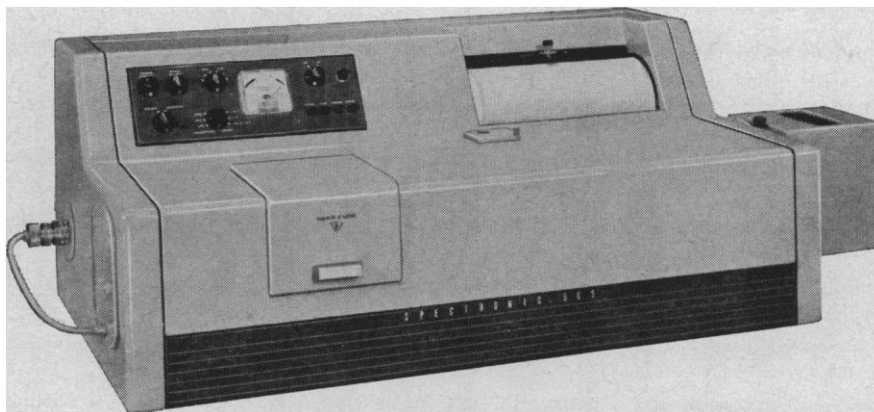
9-11. Acoustical Soc. of America, Providence, R.I. (W. Waterfall, ASA, 335 E. 45 St., New York 17)

9-11. Endocrine Soc., Miami Beach, Fla. (H. H. Turner, 1200 N. Walker, Oklahoma City 3, Okla.)

9-11. National Speleological Soc., annual, Carlsbad, N.M. (G. W. Moore, U.S. Geological Survey, Menlo Park, Calif.)

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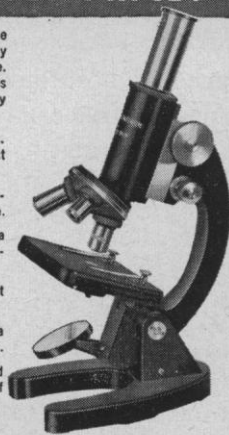
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9-12. American Medical Women's Assoc., Miami Beach, Fla. (Mrs. L. T. Majally, 1790 Broadway, New York 19)

9-12. American Rheumatism Assoc., annual, Hollywood-by-the-Sea, Fla. (F. E. Demartini, Presbyterian Hospital, 622 W. 168 St., New York 32)

9-12. American Therapeutic Soc., Miami Beach, Fla. (O. B. Hunter, Jr., 915 19 St., NW, Washington 6)

10-12. American College of Angiology, Miami Beach, Fla. (A. Halpern, 11 Hampton Court, Great Neck, N.Y.)

10-12. American Electroencephalographic Soc., Boston, Mass. (G. A. Ulett, 1420 Gratten St., St. Louis 4, Mo.)

10-12. Society for Biological Psychiatry, Miami Beach, Fla. (G. N. Thompson, 2010 Wilshire Blvd., Los Angeles 57, Calif.)

11. American Acad. of Tuberculosis Physicians, Miami Beach, Fla. (G. P. Bailey, P.O. Box 7011, Denver 6, Colo.)

11-12. American Diabetes Assoc., Miami Beach, Fla. (J. R. Connelly, 1 E. 45 St., New York 17)

11-16. American Soc. of X-ray Technicians, Cincinnati, Ohio. (G. J. Eilert, 16 Fourteenth St., Fond du Lac, Wis.)

12. Society for Vascular Surgery, Miami Beach, Fla. (G. H. Yeager, 314 Medical Arts Bldg., Baltimore 1, Md.)

12-15. American Nuclear Soc., 6th annual, Chicago, Ill. (O. Du Temple, ANS, c/o John Crerar Library, 86 E. Randolph St., Chicago 1)

12-15. American Soc. of Agricultural Engineers, Columbus, Ohio. (J. L. Butt, P.O. Box 229, St. Joseph, Mich.)

12-16. Cancer Research, 4th Canadian conf., Honey Harbour Ontario, Canada. (R. L. Noble, Collip Research Laboratory, Univ. of Western Ontario, London, Ontario, Canada)

12-17. Association for Research in Ophthalmology, Miami Beach, Fla. (L. V. Johnson, 10515 Carnegie Ave., Cleveland)

13-14. Technical Writing Improvement Soc., 5th Southern Calif. Industrial Writing Inst., Los Angeles, Calif. (J. L. Kent, TWIS, P.O. Box 5453, Pasadena, Calif.)

13-15. American Neurological Assoc., Boston, Mass. (M. D. Yohr, 710 W. 168 St., New York 32)

13-15. American Soc. of Heating, Refrigerating and Air-Conditioning Engineers, 67th annual, Vancouver, B.C. (E. R. Searles, ASHRAE Journal, 234 Fifth Ave., New York 1)

13-15. Chemical Inst. of Canada, 43rd conf., Ottawa, Ontario. (CIC, 48 Rideau St., Ottawa 2, Ontario)

13-15. Herpetologists League, Eugene, Ore. (A. M. Woodbury, 248 University St., Univ. of Utah, Salt Lake City 2)

13-15. International Powder Metallurgy Conf., New York, N.Y. (K. H. Roll, Metal Powder Industries Federation, 60 E. 42 St., New York 17)

13-15. Microscopy, natl. symp., Chicago, Ill. (Walter C. McCrone Associates, 501 E. 32 St., Chicago 16)

13-15. Society for Investigative Dermatology, 21st annual, Miami Beach, Fla. (H. Beerman, SID, 255 S. 17 St., Philadelphia)

13-17. American Medical Assoc., Miami Beach, Fla. (F. J. L. Blasingame, 535 N. Dearborn St., Chicago 10, Ill.)

(See issue of 22 April for comprehensive list)

## 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.

■ **DISPLACEMENT TRANSDUCER** uses a lift bar actuated by the motion being measured. As the lift bar rises in response to the mechanical input, successive contact pairs close and sequentially short circuit an increasing fraction of the total resistance of the device. Full-scale displacement is  $\frac{1}{8}$  in. A dither coil serves to smooth the transfer characteristics and to reduce the actuation force to 10 gm. A 20-contact model will dissipate up to 200 watts and directly control circuits in the low kilowatt range. (Electric Regulator Corp., Dept. Sci499, Pearl St., Norwalk, Conn.)

■ **PHASE DETECTOR** for the frequency range 15 to 400 Mcy/sec claims accuracy of  $\pm 0.05$  deg or  $\pm 1$  percent of dial reading. The smallest phase angle that can be read is less than  $10^{-13} \times 360 \times$  frequency (in cy/sec). The minimum input signal depends on the sensitivity of the receiver used and is approximately 20  $\mu$ v for a receiver of 5  $\mu$ v sensitivity. A 2-volt minimum signal is recommended by the manufacturer if the instrument's panel meter is used as the indicator. (Ad-Yu Electronics, Inc., Dept. Sci501, 249-259 Terhune Ave., Passaic, N.J.)

■ **PROTECTIVE SUIT SYSTEM** isolates a worker from toxic or corrosive elements in the environment through complete enclosure in sealed coveralls. The air volume within the suit is recirculated and processed to remove heat, water vapor, and carbon dioxide, while oxygen is added at the rate of consumption. The air-reconditioning device, completely self-contained and worn under the coveralls, weighs less than 15 lbs. It is suitable for 1 hour of active use and is easily renewed. (Isolair, Environment Incorporated, Dept. Sci503, Box 51, Yellow Springs, Ohio.)

■ **DISTANCE MEASURING INSTRUMENT** of the capacitance-probe type covers the range to 0.5 in. in four ranges with four probes. Accuracy is said to be  $\pm 2$  percent of full-scale deflection, discrimination better than  $\pm 0.5$  percent. The instrument is direct-reading, with display provided by a moving-coil meter. Standard probes designed for measurement of flat conducting surfaces have plane circular electrodes with guard-ring construction. Special probes for curved surfaces can be supplied. An output signal for operation of recorders or other auxiliary equipment furnishes