

card the idea of God. Similarly, a Nobel Prize winner in microbiology is currently reported in the public press to have stated that, inasmuch as immortality cannot be demonstrated by science, it cannot be held to be true. That, insofar as the pertinence of scientific data is concerned, these conclusions are *non sequitur*, that the scientific method is not designed to consider these matters, and that the authors of these opinions have no formal knowledge of metaphysics or theology, is little realized by the general public nor, I suspect, adequately appreciated by the authors themselves. However, being human, scientists will very probably continue to release through the public press their private views on any and every subject if given the opportunity, and it is their democratic privilege to do so. Whether they are justified in representing such opinions as "scientific" is quite another matter.

This brings me to the main point of this letter; that is, that in the scientific press, at least, articles expressing personal opinions on nonscientific matters should be so labeled and should be clearly dissociated from objective technical reports and reviews. *Science* and *The Scientific Monthly* [now combined with *Science*, the joint journal continuing in the *Science* format] have been particularly remiss in this respect, due, perhaps, to the broad nature of their coverage. During the last year, for instance, in the journals cited above, there have been published a number of feature articles dealing detrimentally with our traditional systems of politics, morals, and religion. That the intellectual precepts of these aspects of our culture should be critically scrutinized, I grant without reservation. I maintain, however, that we may rightly demand that, even though those who undertake to write on such subjects in scientific journals be eminent scientists, they should still be required to have some competent technical knowledge of their subjects and should treat the latter with the same logic and objectivity that they are required to use in their scientific publications. No journal of ethics or moral philosophy, for instance, would accept some of the articles you have published simply because the authors were renowned biologists or physicists. And of particular importance, incidental private judgments on such matters should not be allowed to appear in articles which profess to be technical in nature. One of your recent features, supposedly a discussion of theoretical biology, contained a diatribe of dogmatic and unsubstantiated statements to the effect that scientists who believe in the reality of supernatural phenomena are schizophrenic in their reasoning, and that such irrational beliefs preclude the scientific study of biological phenomena! This sort of thing has no rightful place in a technical ar-

ticle, whether or not the editors disclaim responsibility for the opinions of the author. Since *Science* and similar journals reject scientific articles and reviews unless evidence is presented substantiating the data presented and the reasonableness of the conclusions drawn therefrom, I urge a tightening of editorial policy to raise the standards of articles on nonscientific matters as well.

WILLIAM B. ATKINSON

College of Medicine,
University of Cincinnati,
Cincinnati, Ohio

Meetings

Montana Academy of Sciences

The Montana Academy of Sciences, founded in 1940, is an organization made up of individuals interested in the biological, physical, and social sciences and the teaching of science. The membership of the academy (a recent affiliate of the AAAS) consists of teachers and students in the colleges and high schools

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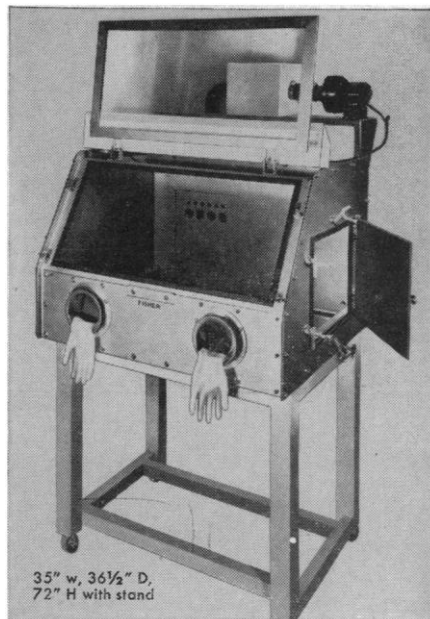


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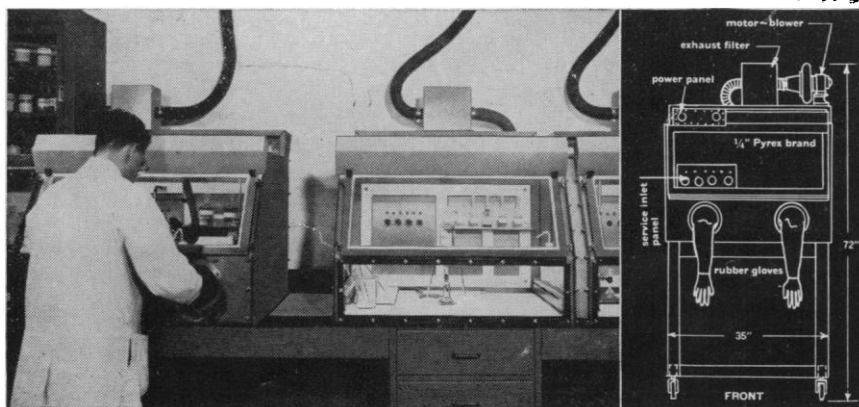
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of the state and professional people in government agencies and industry, as well as of nonprofessional people interested in sciences.

The members have set as the objectives of their academy the encouragement of scientific work and the dissemination of scientific knowledge. To carry out these objectives the academy holds meetings each year at which the members report on their scientific work and during each of which a lecture, of interest to the members and the general public, is given by an outstanding scientist. A periodical, *The Proceedings of the*

Montana Academy of Sciences, which consists of the papers presented at the annual meeting and others considered worthy of publication, is published each year. Three hundred and seventy-two copies of the *Proceedings* are purchased by the libraries of the units of the greater University of Montana and exchanged by them for similar publications. The publications so obtained are a valuable addition to the libraries of the institutions because the scientific work reported in them is made available to scientific workers in Montana.

The academy has recently started a

Junior Academy of Sciences, to be made up of junior and senior high-school students interested in science. By this means it hopes to better carry out its objectives, since it considers that this group is the critical one as far as creating interest in science is concerned. The academy hopes to stimulate interest in science among these students by providing them with speakers from the various fields of science; by holding meetings, at which they can report on their own work, in conjunction with the annual meetings of the academy and with the district and state Science Fairs; and by publishing a Junior Academy newsletter. It will continue to award honorary memberships to winners in the Science Talent Search and the State Science Fair as a means of recognizing outstanding work in science by high-school students.

L. H. HARVEY

Montana State University, Missoula

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Society Elections

■ International Association of Milk and Food Sanitarians, Inc.: pres., Harold B. Robinson, Washington, D.C.; pres.-elect, Franklin W. Barber, Oakdale, N.Y.; sec.-treas., Vincent T. Foley, City Health Department, Kansas City, Mo. The vice presidents are William V. Hickey, New York, N.Y., and John J. Sheuring, Athens, Ga. The representative to the AAAS Council is Samuel H. Hopper, Indiana University Medical Center.

■ American Public Health Association: pres., Roy J. Morton, Oak Ridge, Tenn.; pres.-elect, Leona Baumgartner, New York, N.Y.; treas., Charles Glen King, New York, N.Y.; exec. sec., Berwyn F. Mattison, New York, N.Y. The vice presidents are Arnoldo Gabaldon, Maracay, Venezuela; Morley S. Loughheed, Winnipeg, Canada; and Thomas F. Sellers, Atlanta, Ga.

■ Astronomical Society of the Pacific: pres., Nicholas U. Mayall, Lick Observatory; sec.-treas., Sturla Einarsson, Leuschner Observatory, Berkeley, Calif.; assistant sec.-treas., Vera Graves. The vice presidents are Clifton H. Kroll, George W. Hall, and C. Nelson Hackett.

Forthcoming Events

April

10-12. American Assoc. of Physical Anthropologists, 27th annual, Cambridge, Mass. (J. N. Spuhler, Dept. of Human Genetics, Univ. of Michigan, Ann Arbor.)

11-12. Eastern Psychological Assoc., annual, Philadelphia, Pa. (G. Lane, Dept. of Psychology, University of Delaware, Newark.)

12. Society for the Scientific Study of

Religion, New York. (L. Whitman, 297 Fourth Ave., New York, N.Y.)

13-14. American Soc. for Artificial Internal Organs, Philadelphia, Pa. (G. Schreiner, Georgetown Univ. Hospital, Washington 7.)

13-18. American Chemical Soc., 133rd, San Francisco, Calif. (R. M. Warren, ACS, 1155 16 St., NW, Washington 6.)

13-19. Federation of American Societies for Experimental Biology, annual, Philadelphia, Pa. (M. O. Lee, FASEB, 9650 Wisconsin Ave., Bethesda 14, Md.)

14-16. Automatic Techniques Conf.

Detroit, Mich. (J. E. Eiselein, RCA, Bldg. 10-7, Camden 2, N.J.)

14-18. American Assoc. of Clinical Chemists, annual, Philadelphia, Pa. (M. M. Friedman, Lebanon Hospital, New York 57.)

14-18. American Assoc. of Immunologists, annual, Philadelphia, Pa. (F. S. Cheever, Graduate School of Public Health, Univ. of Pittsburgh, Pittsburgh.)

14-18. American Soc. for Experimental Biology, annual, Philadelphia, Pa. (J. F. A. McManus, Univ. of Alabama Medical Center, Birmingham.)

14-18. American Soc. of Biological Chemists, annual, Philadelphia, Pa. (P. Handler, Dept. of Biochemistry, Duke University School of Medicine, Durham, N.C.)

15-17. Gas Measurement, 34th annual conf., Norman, Okla. (M. L. Powers, Extension Div., Univ. of Oklahoma, Norman.)

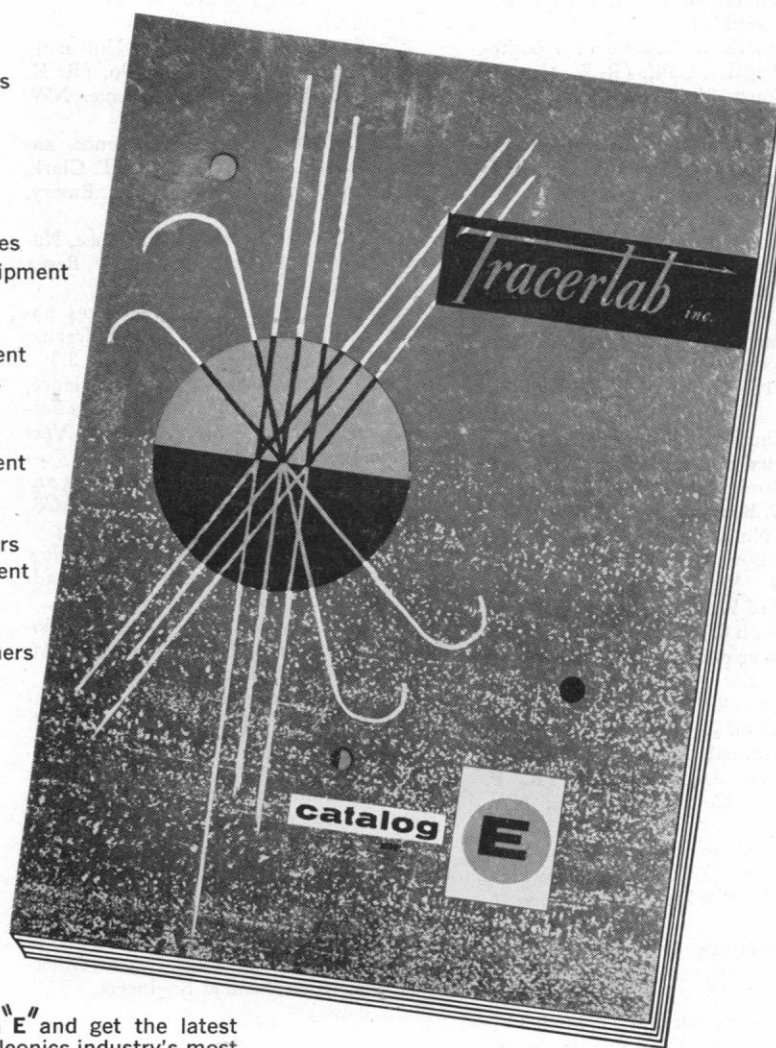
16-25. Instruments, Electronics and Automation Conf., London, England. (Industrial Exhibitions Ltd., 9 Argyll St., London, W.1.)

17-18. Environmental Engineers, 2nd

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annual institute, New York. (Institute of Environmental Engineers, 9 Spring St., Princeton, N.J.)

17-18. Midwest Benthological Soc., annual, Madison, Wis. (K. M. Mackenthun, 453 State Office Bldg., Madison 2.)

17-19. Association of Southeastern Biologists, annual, Tallahassee, Fla. (J. C. Dickinson, Jr., Dept. of Biology, Univ. of Florida, Gainesville.)

17-19. Eastern Colleges Science Conf., 12th annual, Wilkes-Barre, Pa. (Mrs. E. Stevens, Wilkes College, Wilkes-Barre.)

18. Iowa Acad. of Science, annual, Des Moines. (C. H. Lindahl, Dept. of Mathematics, Iowa State College, Ames.)

18-19. Arkansas Acad. of Science, annual, Little Rock. (L. F. Bailey, Botany Department, Univ. of Arkansas, Fayetteville.)

19-20. Eastern Sociological Soc., 28th annual, Philadelphia, Pa. (A. Van der Slice, School of Social Sciences and Public Affairs, American Univ., 1901 F St., NW, Washington 6.)

19-21. American College of Apothecaries, Los Angeles, Calif. (R. E. Abrams, Hamilton Court, 39th and Chestnut St., Philadelphia, Pa.)

19-25. Industrial Health Conf., Atlantic City, N.J. (IHC, Room 1313, 28 E. Jackson Blvd., Chicago 4, Ill.)

20-22. American Assoc. of Colleges of Pharmacy, annual, Los Angeles, Calif. (G. L. Webster, College of Pharmacy, Univ. of Illinois, 808 S. Wood St., Chicago, 12.)

20-22. American Soc. of Hospital Pharmacists, Los Angeles, Calif. (Mrs. G. N. Francke, 1812 Norway Rd., Ann Arbor, Mich.)

20-23. Chemical Engineering Conf., Canada-United States, Montreal, Quebec, (H. R. L. Streight, DuPont Company of Canada, P.O. Box 660, Montreal.)

20-23. Numerical Approximation Symp., Madison, Wis. (R. E. Langer, Mathematics Research Center, U.S. Army, Univ. of Wisconsin, 1118 W. Johnson St., Madison 6.)

20-25. American Pharmaceutical Assoc., annual, Los Angeles, Calif. (R. P. Fischelis, APA, 2215 Constitution Ave., NW, Washington 7.)

21-22. National Assoc. of Boards of Pharmacy, Los Angeles, Calif. (R. P. Fischelis, 2215 Constitution Ave., NW, Washington 7.)

21-23. American Oil Chemists' Soc., Memphis, Tenn. (Mrs. L. R. Hawkins, AOCs, 35 E. Wacker Dr., Chicago 1, Ill.)

21-28. American Industrial Hygiene Assoc., annual, Atlantic City, N.J. (G. D. Clayton, George D. Clayton and Associates, 14125 Prevost, Detroit 27, Mich.)

22-24. Electronic Components Symp., Los Angeles, Calif. (E. E. Brewer, Convoir, Inc., Pomona, Calif.)

23-24. Chemurgic Conf., 2nd annual, Chicago, Ill. (Council for Agricultural and Chemurgic Research, 350 Fifth Ave., New York 1.)

23-26. Internal Medicine, 5th internat. cong., Philadelphia, Pa. (E. R. Loveland, 4200 Pine St., Philadelphia 4.)

23-27. American Assoc. of Bioanalysts, natl., New York, N.Y. (L. D. Hertert,

AAB, Suite 1049, 490 Post St., San Francisco 2, Calif.)

24-25. Eastern States Health Education Conf., New York (I. Galdston, New York Acad. of Medicine, 2 E. 103 St., New York 29.)

24-25. Nutrition Conf., 4th annual, Detroit, Mich. (J. M. Orten, Dept. of Physiological Chemistry, Wayne State Univ., College of Medicine, 1401 Rivard St., Detroit 7.)

24-26. American Mathematical Soc., New York. (AMS, 190 Hope St., Providence 6, R.I.)

24-26. International Scientific Radio Union, spring, Washington, D.C. (J. P. Hagen, National Acad. of Sciences, 2101 Constitution Ave., NW, Washington 25.)

24-26. West Virginia Acad. of Science, annual, Morgantown. (M. Ward, Glenville State College, Glenville, W. Va.)

24-26. Wildflower Pilgrimage, 8th annual, Gatlinburg, Tenn. (A. J. Sharp, Dept. of Botany, Univ. of Tennessee, Knoxville.)

25-26. American Assoc. of University Professors, annual, Denver, Colo. (R. K. Carr, 1785 Massachusetts Avenue, NW, Washington 6.)

25-26. Georgia Acad. of Science, annual, Emory Univ., Emory. (M. T. Clark, Chemistry Dept., Emory Univ., Emory, Ga.)

25-26. Kentucky Acad. of Science, Natural Bridge State Park. (G. Levey, Berea College, Berea, Ky.)

25-26. Louisiana Acad. of Sciences, annual, Shreveport. (H. B. Boudreaux, Louisiana State Univ., Baton Rouge 3.)

25-26. South Dakota Acad. of Science, annual, Rapid City. (J. M. Winter, Botany Dept., Univ. of South Dakota, Vermillion.)

27-1. American Ceramic Soc., 60th annual, Pittsburgh, Pa. (C. S. Pearce, ACS, 4055 N. High St., Columbus 14, Ohio.)

27-1. Electrochemical Soc., spring, New York. (H. B. Linford, ES, 1860 Broadway, New York 23.)

27-1. Society of American Bacteriologists, 59th annual, Chicago, Ill. (E. M. Foster, Univ. of Wisconsin, Madison 6.)

27-1. Southwestern and Rocky Mountain Div., AAAS, annual, Las Vegas, N.M. (M. G. Anderson, New Mexico A&M College, Las Cruces.)

28-29. Automatic Control in the Petroleum and Chemical Industries, 3rd annual conf., Norman, Okla. (M. L. Powers, Extension Div., Univ. of Oklahoma, Norman.)

28-3. Engineering Societies of Western Europe and the United States, conf. (closed), New York. (C. E. Davies, American Soc. of Mechanical Engineers, 29 W. 39 St., New York 18.)

May

1-3. American Physical Soc., Washington, D.C. (K. K. Darrow, APS, Columbia Univ., New York 27.)

1-3. Kansas Acad. of Science, annual, Ottawa. (C. T. Rogerson, Dept. of Botany, Kansas State College, Manhattan.)

1-3. Midwestern Psychological Assoc., Detroit, Mich. (D. W. Fiske, Dept. of Psychology, University of Chicago, Chicago 37.)

1-8. American Soc. of Tool Engineers, 26th annual, Philadelphia, Pa. (ASTE, 10700 Puritan, Detroit 38, Mich.)

2. Engineers and Architects Conf., 5th annual, Columbus, Ohio. (H. A. Bolz, College of Engineering, Ohio State Univ., Columbus.)

2. Southern California Acad. of Sciences, annual, Los Angeles. (Miss G. Sibley, Los Angeles County Museum, Exposition Park, Los Angeles 7, Calif.)

2-3. Minnesota Acad. of Science, Bemidji. (M. R. Boudrye, 51 University Ave., St. Paul 3, Minn.)

2-3. North Carolina Academy of Science, annual, Durham. (J. A. Yarbrough, Meredith College, Raleigh, N.C.)

2-3. North Dakota Academy of Science, 50th anniversary, Fargo. (B. G. Gustafson, Box 573, University Station, Grand Forks, N.D.)

3-4. Population Assoc. of America, annual, Chicago, Ill. (D. O. Price, Inst. for Research in Social Science, Univ. of North Carolina, Chapel Hill.)

4-7. American Federation for Clinical Research, annual, in conjunction with American Soc. for Clinical Investigation and Assoc. of American Physicians, Atlantic City, N.J. (W. W. Stead, College of Medicine, Univ. of Florida, Gainesville.)

5-6. Secondary Recovery Symp., 3rd biennial, Wichita Falls, Tex. (E. O. Kirkendall, American Inst. of Mining, Metallurgical & Petroleum Engineers, 29 W. 39 St., New York 18.)

5-7. American Geophysical Union, 39th annual, Washington, D.C. (W. E. Smith, AGU, 1515 Massachusetts Ave., NW, Washington 5.)

5-8. American Meteorological Soc., Washington, D.C. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

6-9. Optics in Metrology Colloquium, International Commission of Optics, IUPAP, Brussels, Belgium. (S. S. Ballard, Scripps Institution of Oceanography, San Diego 52, California.)

6-9. Royal Netherlands Acad. of Sciences and Letters, 150th anniversary, Amsterdam, Netherlands. (RNASL, 29 Kloveniersburgwal, Amsterdam.)

6-9 Western Joint Computer Conf., Los Angeles, Calif. (W. H. Ware, Rand Corp., 1700 Main St., Santa Monica, Calif.)

6-9. International Commission of Optics, colloquium, Brussels, Belgium. (W. D. Wright, Imperial College, South Kensington, London, S.W.7.)

7-9. Acoustical Soc. of America, annual, Washington, D.C. (W. Waterfall, 335 E. 45 St., New York 17.)

7-10. Virginia Academy of Science, annual, Roanoke. (P. M. Patterson, Dept. of Science, Hollins College, Hollins, Va.)

7-11. American Psychoanalytic Assoc., San Francisco, Calif. (J. N. McVeigh, APA, 36 W. 44 St., New York 36.)

8. Association of Vitamin Chemists, Chicago, Ill. (A. E. Denton, Research Labs., Swift & Co., Chicago 9.)

8-9. Colorado-Wyoming Acad. of Science, annual, Denver, Colo. (R. G. Beidleman, Zoology Dept., Colorado College, Colorado Springs.)

8-10. Illinois State Academy of Science, 51st annual, Urbana. (R. A. Evers, Illinois Natural History Survey, Urbana.)

12-14. High Polymer Forum, 8th Ca-

nadian, Ste. Anne de Bellevue, Quebec. (M. H. Jones, Dept. of Chemistry, Ontario Research Foundation, 43 Queens Park, Toronto 5, Ont.)

12-14. Instrumental Methods of Analysis, internatl. Symp., Houston, Tex. (H. S. Kindler, Instrument Soc. of America, 313 Sixth Ave., Pittsburgh, Pa.)

12-14. Research Methods and Instrumentation Symp., 8th annual, Bethesda, Md. (J. B. Davis, National Institutes of Health, Bethesda 14.)

12-16. American Psychiatric Assoc., annual, San Francisco, Calif. (D. Blain, APA, 1785 Massachusetts Ave., NW, Washington 6.)

14. American Acad. of Arts and Sciences, Brookline, Mass. (R. W. Burhoe, 280 Newton St., Brookline 46.)

14-16. Society for Experimental Stress Analysis, Cleveland, Ohio. (W. M. Murray, P.O. Box 168, Cambridge 39, Mass.)

14-24. European Acad. of Allergy, The Hague, Netherlands. (EAA, 17 Emalaan, Utrecht, Netherlands.)

15-16. Operations Research Soc. of America, Boston, Mass. (M. L. Ernst, Box 2176, Potomac Station, Alexandria, Va.)

15-17. Basal Ganglia Surgery for Involuntary Movement Disorders, symp., New York. (Miss D. P. Frome, Office of Public Relations, New York University-Bellevue Medical Center, 550 First Ave., New York 16.)

18-24. Sanitary Engineering, 6th Inter-American Cong., San Juan, Puerto Rico. (E. Ortega, Box 218, San Juan.)

19-21. American Trudeau Soc., 53rd annual, Philadelphia, Pa. (K. R. Boucot, Woman's Medical College, Philadelphia.)

19-23. Gas Chromatography, 2nd symp., Amsterdam, Netherlands. (G. Dijkstra, Postbox 114, Vlaardingen, Netherlands.)

20-22. Biosynthesis of Terpenes and Sterols, Ciba Foundation symp. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

20-24. American College of Cardiology, 7th annual, St. Louis, Mo. (P. Reichert, ACC, Empire State Bldg., New York 1.)

25-29. Air Pollution Control Assoc., 51st annual, Philadelphia, Pa. (H. M. Pier, APCA, 4400 Fifth Ave., Pittsburgh 13, Pa.)

25-29. Institute of Food Technologists, annual, Chicago, Ill. (C. S. Lawrence, IFT, 176 W. Adams St., Chicago 3.)

25-31. International Soc. of Gastroenterology, 3rd world cong., Washington, D.C. (H. M. Pollard, University Hospital, Ann Arbor, Mich.)

26-28. American Soc. for Quality Control, annual, Boston, Mass. (W. P. Youngclaus, Jr., ASQC, 161 W. Wisconsin Ave., Milwaukee 3, Wis.)

26-29. Comparative Endocrinology Symp., Cold Spring Harbor, N.Y. (Symposium of Comparative Endocrinology, Dept. of Zoology, Columbia Univ., New York 27.)

27-31. Thermal and Hydraulic Power Stations, Liège, Belgium. (A. Biron, 1, rue de Spa, Liège.)

28-8. European Federation of Chemical Engineering, 2nd cong., Brussels, Belgium and Frankfurt/Main, Germany. (Deutsche Gesellschaft für Chemisches Apparatewe-

sen, Rheingau-Allee 25, Frankfurt/Main.)

29-31. American Acad. of Dental Medicine, 12th annual, Montreal, Canada. (G. Witkin, AADM, 45 S. Broadway, Yonkers 2, N.Y.)

31-8. European Federation of Corrosion, 2nd cong., Frankfurt/Main, Germany. (Gesellschaft Deutscher Chemiker, Haus der Chemie, Karlstrasse 21, Frankfurt/Main.)

June

2-4. Telemetering Conf., 6th natl., Baltimore, Md. (G. M. Thynell, Applied Physics Lab., Johns Hopkins Univ., Silver Spring, Md.)

2-5. American Nuclear Soc., 4th annual, Los Angeles, Calif. (ANS, P.O. Box 963, Oak Ridge, Tenn.)

2-6. Mass Spectrometry, 6th meeting, New Orleans, La. (R. A. Friedel, U.S. Bureau of Mines, 4800 Forbes St., Pittsburgh 13, Pa.)

2-6. Medical Library Assoc., 57th annual, Rochester, Minn. (T. E. Keys, Librarian, Mayo Clinic, Rochester.)

2-6. Peaceful Uses of Atomic Energy in Australia, symp., Sydney, N.S.W. (Australian Atomic Energy Commission Research Establishment, Private Mail Bag, Sutherland, New South Wales.)

2-7. Mechanical Engineering, 7th internatl. cong., Scheveningen, Netherlands. (International Mechanical Engineering Cong., 10, avenue Hoche, Paris 8^e, France.)

8-12. Special Libraries Assoc., annual, Chicago, Ill. (M. E. Lucius, SLA, 31 E. 10 St., New York 3.)

9-11. American Assoc. of Spectrographers, 9th annual symp., Chicago, Ill. (H. J. Hettel, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

9-11. Canadian Federation of Biological Societies, 1st annual; with Canadian Assoc. of Anatomists, Canadian Biochemical Soc., Canadian Physiological Soc., and Pharmacological Soc. of Canada; Kingston, Ontario. (E. H. Bensley, Montreal General Hospital, 1650 Cedar Ave., Montreal 25, P.Q.)

9-11. Health Physics Soc., 3rd annual, Berkeley, Calif. (E. E. Anderson, Oak Ridge National Lab., Oak Ridge, Tenn.)

9-11. Soc. of General Physiologists, Woods Hole, Mass. (F. G. Sherman, Dept. of Biology, Brown Univ., Providence 12, R.I.)

9-12. Microscopy Symposium, 5th, Chicago, Ill. (W. C. McCrone, Jr., 500 E. 33 St., Chicago 16.)

9-13. Automation Exposition and Cong., 4th Internatl., New York. (International Automation Exposition, c/o Richard Rimbach Assoc., 845 Ridge Ave., Pittsburgh 12, Pa.)

10-12. Astronomical Soc. of the Pacific, annual, Los Angeles, Calif. (S. Einarsson, Leuschner Observatory, Univ. of California, Berkeley 4.)

10-13. Vacuum Techniques, 1st internatl. congress, Namur, Belgium. (E. Thomas, c/o CSN/ERM, 30, avenue de la Renaissance, Brussels 4, Belgium.)

11-12. Planned Experiment in Chemical Research Symp., Kansas City, Mo. (Chemistry Symp., Midwest Research Inst., 425 Volker Blvd., Kansas City 10.)

Equipment

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 662.

■ **MULTIPOINT TEMPERATURE SCANNER** checks the outputs of from 4 to 56 thermocouples. If any of the thermocouples indicates a temperature beyond a preset limit, an alarm is sounded and an indicating light corresponding to that thermocouple remains lit. Scanning rate can be as rapid as 0.5 sec per point. (Tipptronic Inc., Dept. S890)

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■ **AUTOMATIC TESTER** makes 30 wiring checks per minute. The device is capable of selecting a maximum of any five points simultaneously for test. Tests include continuity, condition of wire insulation, and resistance. (Allen B. Dumont Laboratories, Inc., Dept. S944)

■ **BLADE-EDGE MICROSCOPE** is designed to permit checking of leading and trailing edges of turbine blades. In the instrument a narrow band of light defined by a slit is projected obliquely around the edge of the blade to delineate a section. This is viewed obliquely through the microscope in which the elements are so arranged that obliquities cancel out. The resulting image is that of the normal cross section of the blade. Magnification is 40. (Engis Equipment Co., Dept. S952)

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