

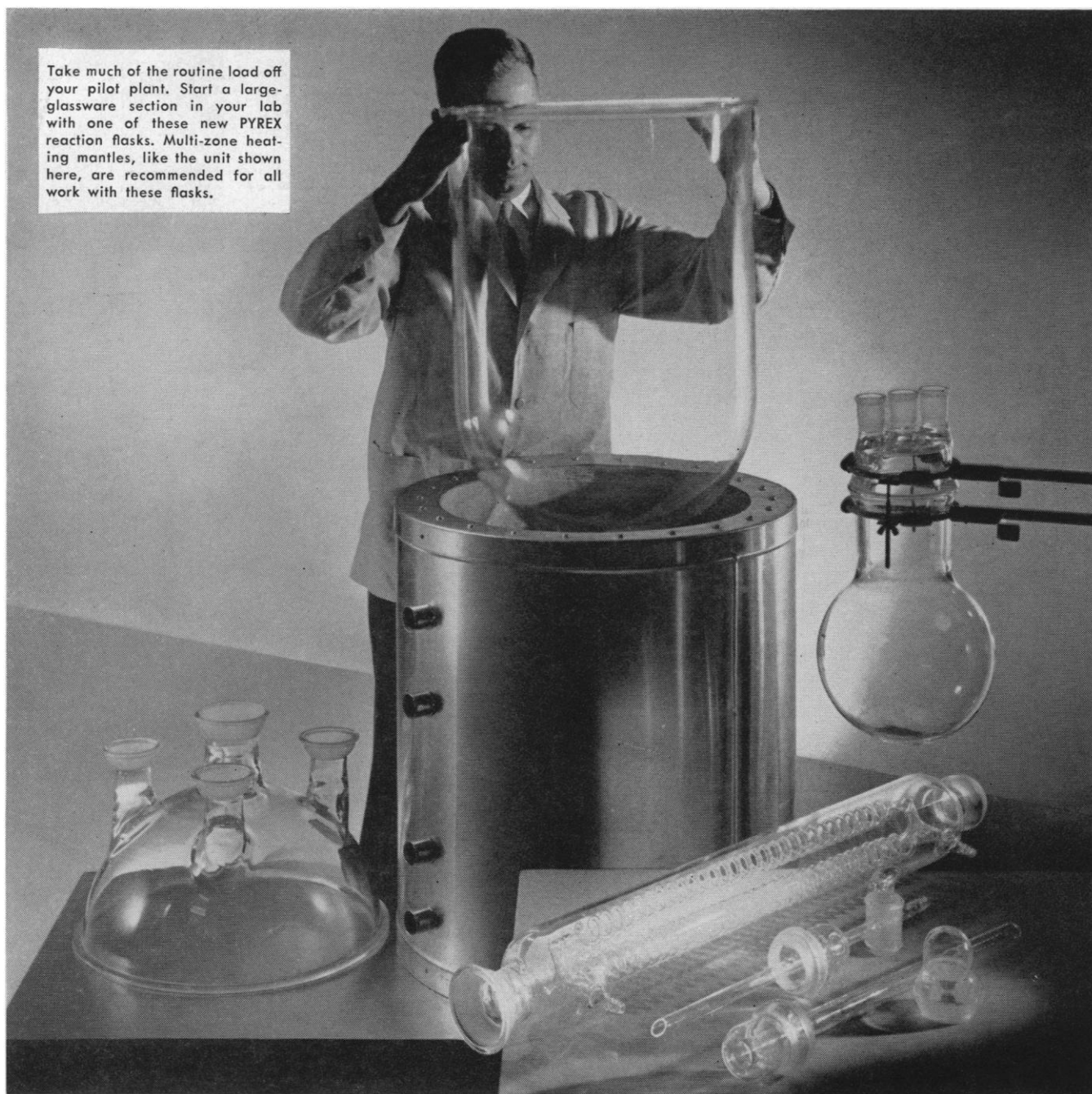
SCIENCE

6 February 1959

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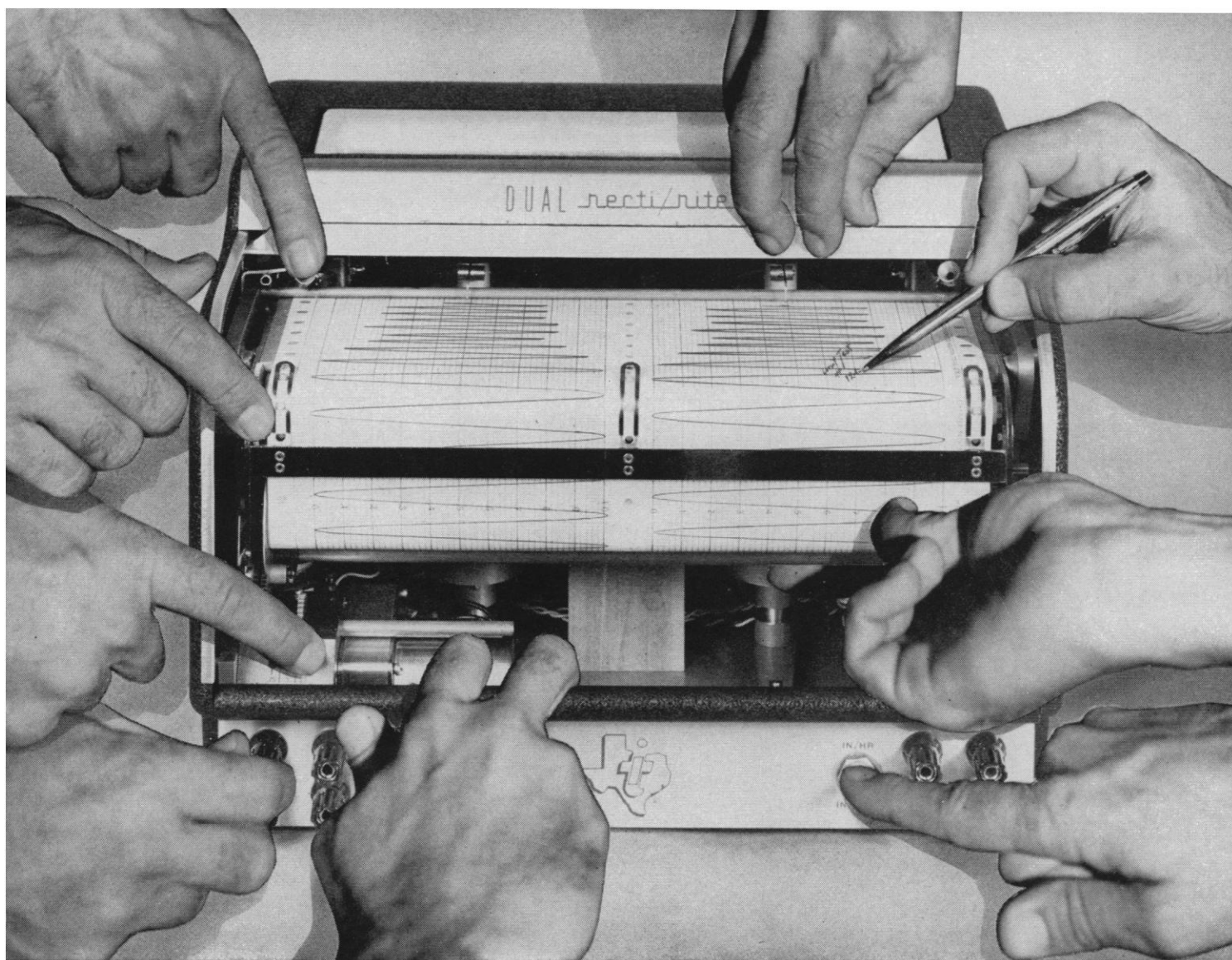
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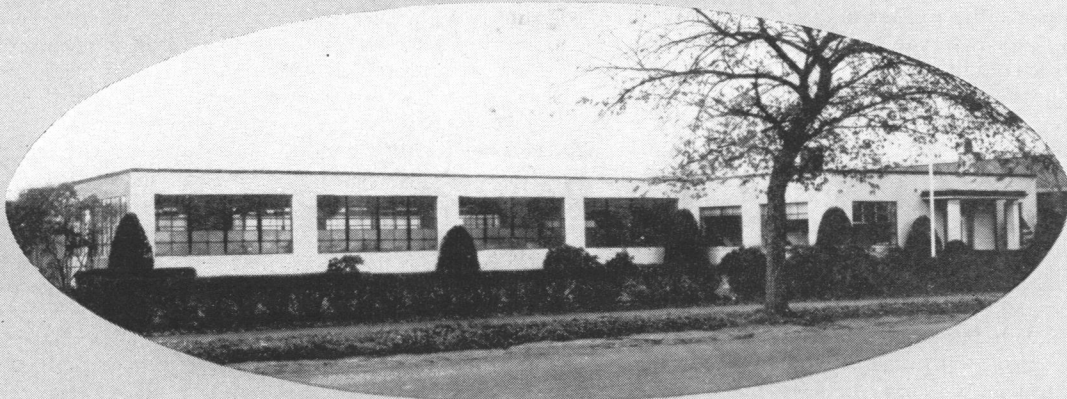
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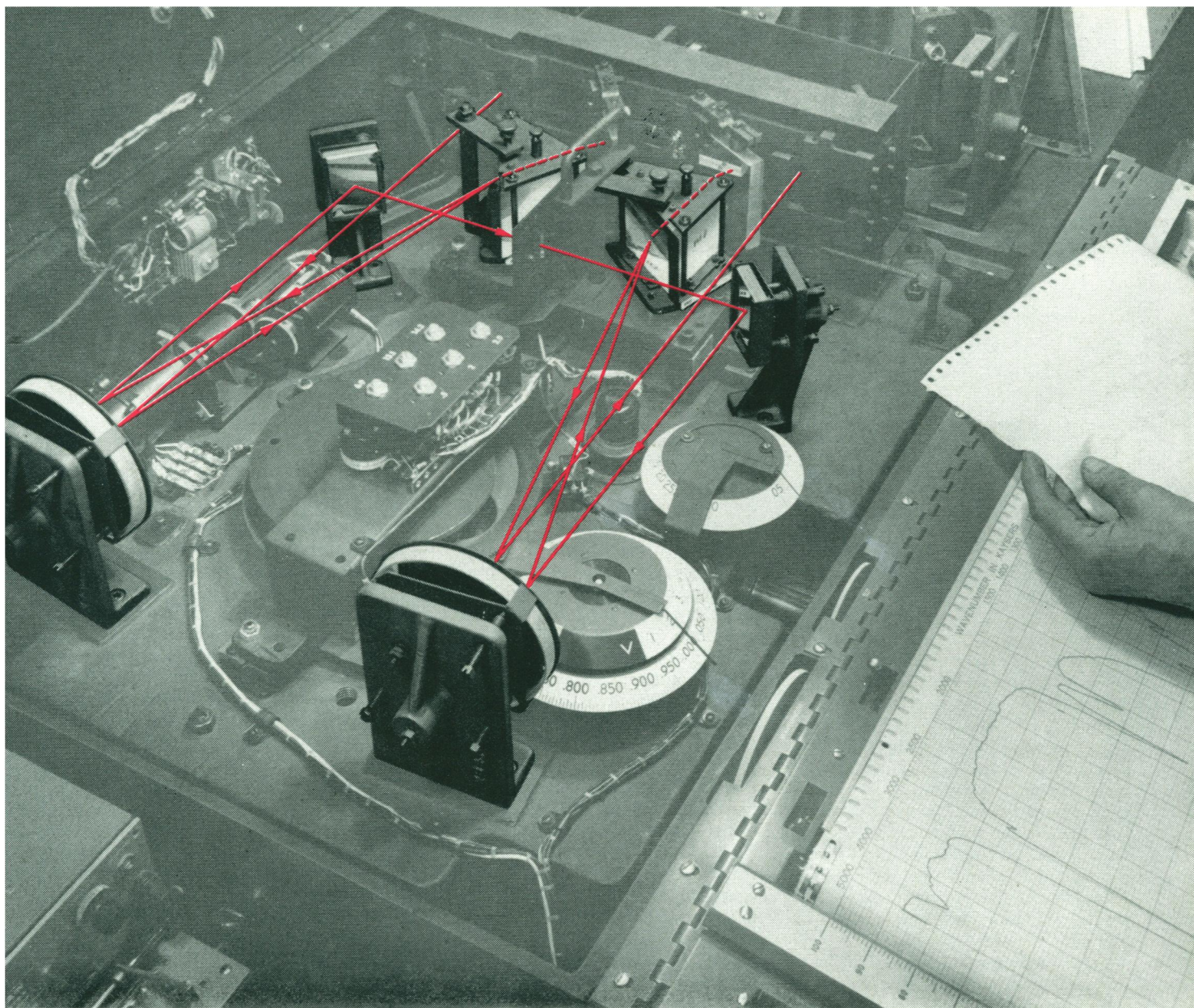
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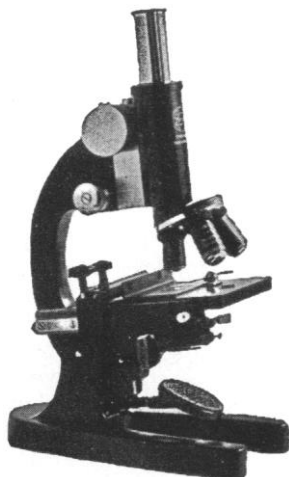
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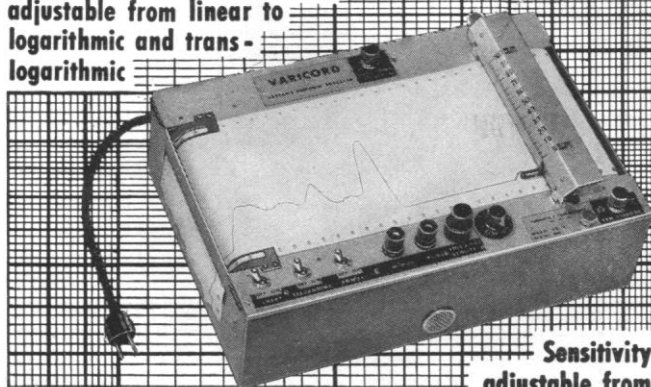
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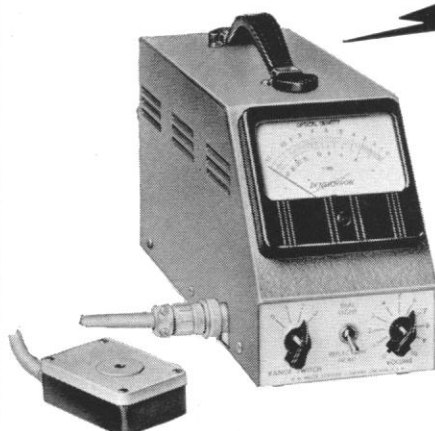
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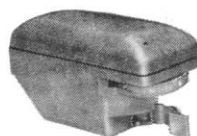
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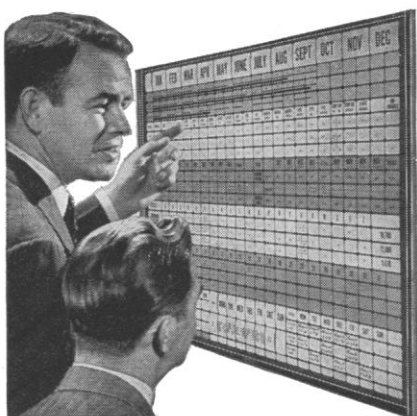
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paramacetome," the easily constructed whirling razor-blade device so convenient for slicing up small ciliates to determine their powers of regeneration, by E. W. McArdle (University of Illinois); the living exhibition of the "love-dance" entered upon by sexually reactive ciliates of the hypotrichous genus *Stylonychia* immediately prior to conjugation, by L. E. Downs (Sierra College), and the elaborate portrayal of the cytology and complex life cycles of heterotrichous and vorticellid ciliates, by H. E. Finley and his colleagues.

One of the most educational "one-man" shows was the demonstration by L. E. Noland (University of Wisconsin) of the dynamic ecological interrelationships existing in biotic communities of the microscopic world. Surrounded by a host of microscopes, aquaria, and smaller culture chambers, and very busy helping others while enjoying himself thoroughly, Noland exemplified the true protozoologist who makes no apology for loving the protozoa purely for their own sake.

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Fluid and Solid Mechanics

The Midwest Conference on Fluid and Solid Mechanics will be held at the University of Texas, Austin, 9-11 September. This meeting, which will be the sixth Conference on Fluid Mechanics and the fourth Conference on Solid Mechanics, forms another element in a series of these conferences. The conferences have taken place at approximate intervals of 2 years, previous ones having been held at the University of Illinois, Ohio State University, the University of Minnesota, Purdue University, and the University of Michigan.

Although the conferences are organized on a regional basis, there are no restrictions on attendance or on the residence of authors of technical papers. A General Conference Committee for handling initial arrangements consists of Walter L. Moore, professor of civil engineering; Enrico G. Volterra, professor of engineering mechanics; and Milton J. Thompson, professor of aeronautical engineering. Abstracts and titles of proposed papers should be submitted to Thompson, who is chairman, before 1 April. Complete manuscripts will be required by 1 June, so that the proceedings may be distributed at the opening of the conference. Inquiries concerning other details of the conference should also be addressed to Thompson.

The University of Texas, as a part of its support of the conference, has arranged some invited lectures on important aspects of mechanics. Samuel A.

Schaaf of the University of California will present a lecture on "Recent Progress in Rarefied Gas Dynamics Research," while Lloyd H. Donnell of Illinois Institute of Technology will talk on "New Developments in Shell Theory." At a dinner meeting, Sydney Goldstein of Harvard University will speak on "Recent Progress in Applied Mechanics."

Cosponsors of the Midwestern Conference include some ten national scientific societies, the Office of Scientific Research of the Air Force, the Office of Naval Research, the Office of Ordnance Research of the Army, and the National Science Foundation.

Wildlife Federation

One of the highlights of the 23rd annual convention of the National Wildlife Federation, to be held at the Sheraton-McAlpin Hotel in New York, 27 February-1 March, will be a thorough discussion of abatement of water-pollution. Ernest Swift, the federation's executive director, has announced that a six-member panel will discuss pollution, beginning at 2 P.M. on 28 February. The participants will include Rep. John A. Blatnik (Minn.), author of the Federal Pollution Control Act of 1956, which established the grants program for construction of sewage treatment plants.

A panel discussion touching on all phases of insect and plant-pest chemical controls and their effects, particularly upon wildlife, will highlight the opening-day program.

The convention will be attended by delegates representing 50 affiliated wildlife federations and conservation leagues in the states and the District of Columbia. Immediately following the federation convention is the 23rd annual North American Wildlife Conference, sponsored by the Wildlife Management Institute. It will be held in the Statler-Hilton Hotel, New York, 2-4 March.

Geochemical Society

The annual meeting of the Geochemical Society was held at St. Louis, 6-8 November, under the auspices of the Geological Society of America. Forty-eight papers on geochemistry were presented, of which 14 were chiefly concerned with phase relations, 11 with distribution of trace and minor elements, 11 with geochronology, and 12 with general geochemistry. Eight additional papers were read by title. The retiring president of the Geochemical Society, Farrington Daniels, gave an address on "Kinetics and Thermoluminescence in Geochemistry."

Newly elected officers for 1958-1959

are J. F. Schairer, president; T. F. W. Barth, vice-president; George T. Faust, treasurer; E. W. Heinrich, editor; K. B. Krauskopf, secretary.

Radar

More than 500 scientists from the United States, Great Britain, and Canada met 27-30 January at the University of Michigan in Ann Arbor to explore new ways of utilizing radar for scientific and military purposes. The conference was sponsored jointly by the Army, Navy, and Air Force. It was conducted by the Radar Laboratory of the Willow Run Laboratories under the auspices of Project Michigan, a combat-surveillance research and development program being conducted by the university for the U.S. Army Combat Surveillance Agency.

This, the university's fifth Annual Radar Symposium, was the largest gathering of radar specialists held at the university to date, according to J. A. Boyd, director of the Willow Run Laboratories. The participants discussed a wide range of military and civilian radar developments, from new methods of detecting battlefield targets to the utilization of radar to enable space ships to avoid sinking into the dustlike cover of the moon when they land on it. Research into supersonic flight radar, space communication, and ICBM guidance systems received special emphasis. The sessions were classified and therefore not open to the general public.

Forthcoming Events

March

3. National Vitamin Foundation, 14th annual, New York, N.Y. (W. Rubin, Director of Public Information, National Vitamin Foundation, Inc., 149 E. 78 St., New York, N.Y.)

6. Molecular Structure and Vital Processes, symp., New York, N.Y. (N. Weiner, American Chemical Soc., 84-40 101 St., Richmond Hill, N. Y.)

6-7. Recent Developments in Microscopy as Applied to Biology, symp., New York, N.Y. (C. Tufts, Sylvania Research Laboratories, Bayside, N.Y.)

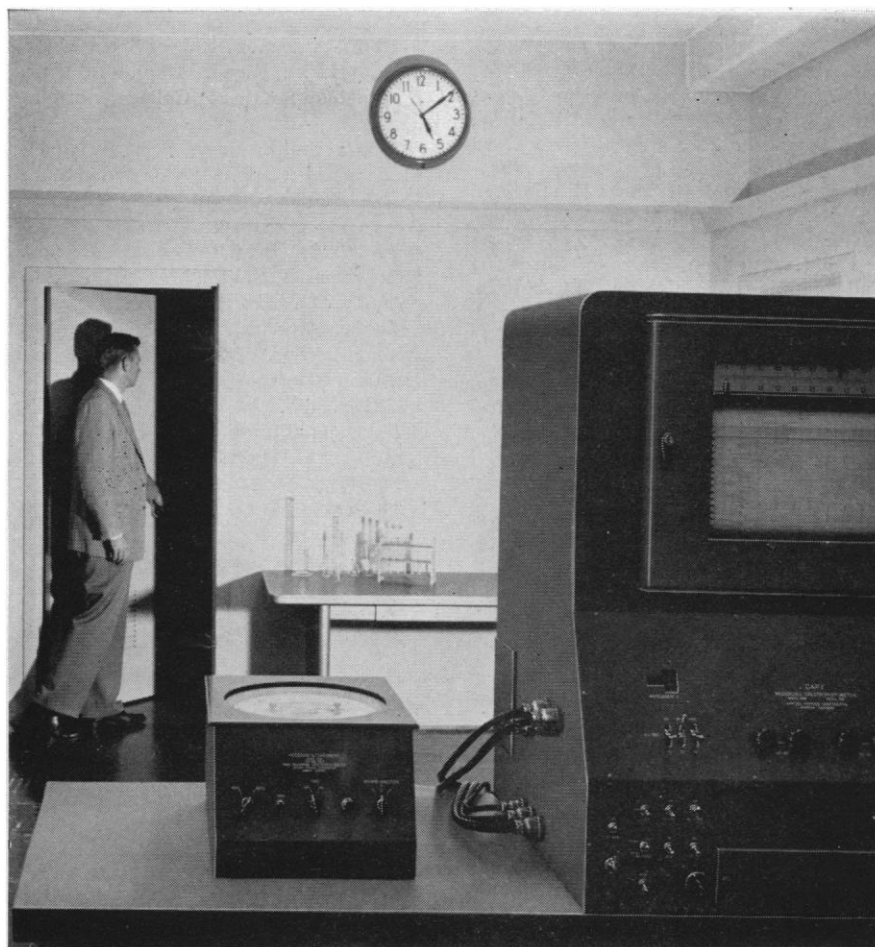
7. American Chemical Soc., Oklahoma Div., tetrasectional meeting, Tulsa. (J. W. Conant, ACS, Grand River Chemical Div. of Deere and Co., Pryor, Okla.)

8-9. American Broncho-Esophagological Assoc., Hot Springs, Va. (F. J. Putney, 1712 Locust St., Philadelphia, Pa.)

8-9. American Laryngological Assoc., Hot Springs, Va. (J. H. Maxwell, University Hospital, Ann Arbor, Mich.)

8-11. American Soc. of Photogrammetry, 25th annual, Washington, D.C. (J. H. Wickham, Jr., 1959 ASP-ACSM Consecutive Meetings, 610 Montgomery St., Alexandria, Va.)

8-12. Aviation Conf., Los Angeles,



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Calif. (O. B. Schier, ASME, 29 W. 39 St., New York, N.Y.)

9-11. International Acetylene Assoc., annual, New Orleans, La. (IAA, 30 W. 42 St., New York 17.)

10-12. American Laryngological, Rhinological and Otolological Soc., Hot Springs, Va. (C. S. Nash, 708 Medical Arts Bldg., Rochester 7, N.Y.)

11-14. American Cong. on Surveying and Mapping, Washington, D.C. (J. H. Wickham, Jr., 1959 ASP-ACSM Consecutive Meetings, 610 Montgomery St., Alexandria, Va.)

13-14. American Otolological Soc., Hot Springs, Va. (L. R. Boies, University Hospital, Minneapolis 14, Minn.)

13-15. Alabama Acad. of Sciences, Auburn, (H. M. Kaylor, Dept. of Physics, Birmingham-Southern College, Birmingham, Ala.)

14-15. Southwestern Soc. of Nuclear Medicine, 4th annual, New Orleans, La. (S. B. Nadler, SSNM, 1520 Louisiana Ave., New Orleans 15, La.)

15-20. American College of Allergists, San Francisco, Calif. (M. C. Harris, 450 Sutter St., San Francisco.)

16-19. American Assoc. of Petroleum Geologists, Soc. of Economic Paleontologists and Mineralogists, 44th annual, Dallas, Tex. (W. A. Waldschmidt, AAPG, 311 Leggett Building, Midland, Tex.)

16-20. American Inst. of Chemical Engineers, Atlantic City, N.J. (F. J. Van Antwerpen, AIChE, 25 W. 45 St., New York 36.)

16-20. National Assoc. of Corrosion Engineers, 15th annual conf., Chicago, Ill. (NACE, Southern Standard Bldg., Houston, Tex.)

16-20. Western Metal Exposition and Cong., 11th, Los Angeles, Calif. (R. T. Bayless, 7301 Euclid Ave., Cleveland 3, Ohio.)

17-19. National Health Council, Chicago, Ill. (P. E. Ryan, 1790 Broadway, New York, 19.)

17-20. Organization of Research, 4th intern. symp., Milan, Italy. (I. Svergie, Produktivitetsnamnden, Linnegatan 87, Stockholm Ö, Sweden.)

18-25. International Social Science Council, 4th general assembly (by invitation), Paris, France. (C. Levi-Strauss, Secretary-General, International Social Science Council 19, avenue Kleber, Paris.)

19-21. Society for Research in Child Development, NIH, Bethesda, Md. (Miss N. Bayley, Laboratory of Psychology, National Inst. of Mental Health, Bethesda 14, Md.)

19-22. International Assoc. for Dental Research, 37th general, San Francisco, Calif. (D. Y. Burrill, Northwestern Univ., 311 E. Chicago Ave., Chicago 11, Ill.)

20. New Jersey Acad. of Science, annual, New Brunswick. (H. L. Silverman, 361 Highland Ave., Newark 4, N.J.)

23-24. Theory of Fluid Flow through Porous Media, 2nd conf., Norman, Okla. (C. G. Dodd, School of Petroleum Engineering, Univ. of Oklahoma, Norman.)

23-26. Institute of Radio Engineers, natl. conv., New York, N.Y. (G. L. Haller, IRE, 1 E. 79 St., New York 21.)

24-27. American Meteorological Soc., general, Chicago, Ill. (K. C. Spengler, AMS, 3 Joy Street, Boston, Mass.)

27-28. Michigan Acad. of Sciences, East Lansing. (D. A. Rings, Univ. of Michigan, Dept. of Engineering, Ann Arbor.)

27-28. Pennsylvania Acad. of Sciences, Gettysburg. (K. Dearolf, Public Museum and Art Gallery, Reading, Pa.)

28. South Carolina Acad. of Sciences, Columbia. (H. W. Freeman, Dept. of Biology, Winthrop College, Rock Hill, S.C.)

29-3. Latin American Congress of Chemistry, 7th, Mexico D.F., Mexico. (R. I. Frisbie, Calle Ciprés No. 176, Zone 4, Mexico, D.F.)

30-31. Third Teratology Conf., Portland, Ore. (D. L. Gunberg, Dept. of Anatomy, Univ. of Oregon Medical School, Portland.)

30-1. American Orthopsychiatric Assoc., San Francisco, Calif. (M. F. Langer, 1790 Broadway, New York 19.)

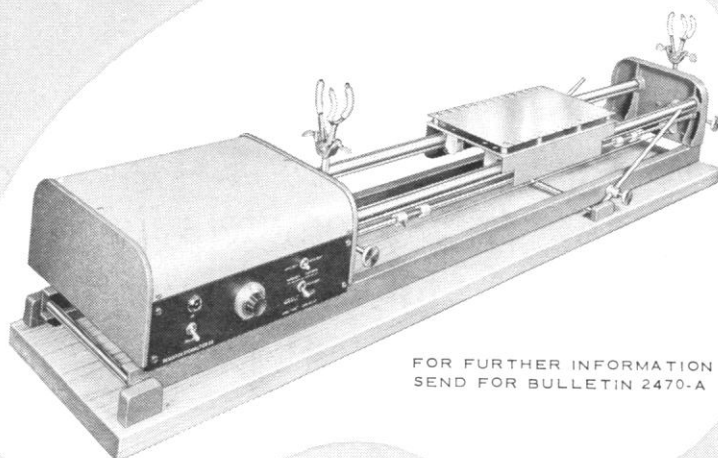
30-12. Bahamas Medical Conf., 7th, Nassau. (B. L. Frank, 1290 Pine Ave., W. Montreal, Canada.)

31-2. American Power Conf., 21st annual, Chicago, Ill. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

31-2. Symposium on Millimeter Waves, 9th, New York, N.Y. (H. J. Carlin, Microwave Research Inst., 55 Johnson St., Brooklyn 1, N.Y.)

(See issue of 16 January for comprehensive list)

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