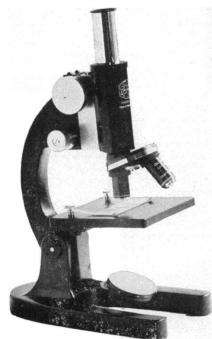
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These proceedings do not serve, and are not intended to serve, as reference works. The volume excellently, however, records the current pattern of thinking of the 25 discussants involved, a pattern which will determine the nature of much of the formal bibliography on the adrenal cortex for succeeding years.

The first topic discussed was the Permissive Action of Adrenal Cortical Hormones. This term, generally associated with the name of Dwight Ingle, refers to those situations in which the presence of some minimal amount of cortical hormone is required before some other substance or influence can induce a characteristic response. The concept has served the admirable purpose of reducing the formidable number of things caused by the adrenal cortex, in the sense that permission can be substituted for cause; the distinction has eased conceptual effort whether or not it has added greatly to basic understanding. By implication, however, permissive action refers to all-or-none phenomena—that the so-called permissive actions of the cortical hormones are indeed all-or-none actions was called into serious question by the discussants, including Ingle himself.

The second topic was entitled Mechanisms Through Which the Adrenal Cortex Produces Qualitatively Different Effects and its discussion led by Hans Selye. The explorations of this provocative topic, much of which concerned Selye's work on the interaction of adrenal and pituitary hormones in both general and localized adaptation syndromes, filled one-third of the volume. Although the discussion was of great interest, the novice should not expect that perusal of the chapter would provide any final answer to the problems raised by the title.

The third subject, Existence, Nature, and Site of Production of a Salt Hormone (Mineralo-Corticoid) Secreted by the Adrenal Gland, was introduced by Martha Vogt of Edinburgh. This is the most exciting subject in the adrenal field at present because of evidence that the most potent adrenal hormone is yet to be identified and its full biological properties described. The hormone concerned, however, was reminiscent of the elusive rabbit in *Harvey*; its portentous reality was accepted but it never emerged into a state of visibility. Subsequent chemical work has assured that it will do so soon, since the probable chemical entity involved has been crystallized (see S. A. Simpson, et al., Experientia 9, 333 [1953]).

In the last chapter, Effects of Adrenalectomy in Man, F. D. W. Lukens presented a summary of experience of the Philadelphia group with 69 cases of total or partial adrenalectomies performed as an experimental therapy for hypertension. Little attention was given to the other possible indications for adrenalectomy. In general, it seemed that adrenalectomy can serve as a rehabilitating and life-saving procedure in certain types of cardiovascular disease, and particularly in those cases without pre-established renal pathology. This was an encouraging estimate of the situation in view of the fact that the only cases so

treated were those refractory to the usual medical therapies.

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New Books

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Wildlife in Alaska: An Ecological Reconnaissance. A. Starker Leopold and F. Fraser Darling. (Sponsored by the New York Zoological Society and the Conservation Foundation.) New York: Ronald Press, 1953. 129 pp. Illus. + plates. \$2.75.

Readings in the Philosophy of Science. Herbert Feigl and May Brodbeck, Eds. New York: Appleton-Century-Crofts, 1953. 811 pp. \$6.00.

A Speculation in Reality. Irving F. Laucks. New York: Philosophical Library, 1953. 154 pp. \$3.75.

Temperature Measurement in Engineering, Vol. I. H. Dean Baker, E. A. Ryder, and N. H. Baker. New York: Wiley; London: Chapman & Hall, 1953. 179 pp. Illus. \$3.75.

The Physiopathology of Cancer. Freddy Homburger and William H. Fishman, Eds. New York: Hoeber-Harper, 1953. 1031 pp. Illus. \$18.00.

Fields and Waves in Modern Radio. 2nd ed. Simon Ramo and John R. Whinnery. New York: Wiley; London: Chapman & Hall, 1953. 576 pp. \$8.75.

Problems in Organic Chemistry. Edward G. Rietz and C. B. Pollard. New York: Prentice-Hall, 1953. 332 pp. Illus. \$3.95.

Reason and Nature. An essay on the meaning of scientific method. Morris R. Cohen. Glencoe, Ill.: Free Press, 1953. 470 pp. \$6.00.

The Psychology of Personality. Bernard Noteutt. New York: Philosophical Library, 1953. 259 pp. \$4,75.

High Altitude Rocket Research. Homer E. Newell, Jr. New York: Academic Press, 1953. 298 pp. Illus. \$7.50.

The Screen Projection of Chemical Experiments. E. J. Hartung. Melbourne, Australia: Melbourne Univ. Press; New York: Cambridge Univ. Press, 1953. 291 pp. Illus. + plates. \$4.75.

Nuclear Physics. W. Heisenberg. New York: Philosophical Library, 1953. 225 pp. Illus. \$4.75.

Advances in Virus Research, Vol. I. Kenneth M. Smith and Max A. Lauffer, Eds. New York: Academic Press, 1953. 362 pp. Illus. \$8.00.

The Ustilaginales of the World. Contrib. No. 176, Dept. of Botany. George Lorenzo Zundel. State College, Pa.: Pennsylvania State College, 1953. 410 pp. \$3.50.

The Design of Social Research. Russell L. Ackoff. Chicago, Ill.: Univ. Chicago Press, 1953. 420 pp. Illus. \$7.50.

Semimicro Qualitative Analysis. Rev. ed. Hervey Hubbard Barber and T. Ivan Taylor. New York: Harper, 1953. 404 pp. \$4.50.

Plane Trigonometry. Repr. in part from First-Year Mathematics for Colleges. Paul R. Rider. New York: Macmillan, 1953. 180 pp. Illus. \$3.00.

Roger Bacon in Life and Legend. E. Westacott. New York: Philosophical Library, 1953. 140 pp. \$3.75.

Metallurgical Dictionary. J. G. Henderson and J. M. Bates. Reinhold, New York, 1953. 396 pp. \$8.50.

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- Vol. II. Angiospermae, dicotyledones, monocotyledones, classification. Ready, Summer 1954. About 1032 pp. Figures and half-tones. About \$13.50.

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Meetings & Conferences

May

- 2-6. Electrochemical Soc., spring, Chicago, Ill. (H. B. Linford, Columbia Univ., New York 27.)
- 2-7. Soc. of American Bacteriologists, annual, Pittsburgh, Pa. (F. S. Cheever, P.O. Box 1912, Pittsburgh 30.)
- 3-5. American Geophysical Union, 35th annual, Washington, D.C. (J. Adkins, Office of Naval Research, Washington 25.)
- 3-6. Air Pellution Control Assoc., Chattanooga, Tenn. (H. C. Ballman, 4400 5 Ave., Pittsburgh 13, Pa.)
- 3-7. American Psychiatric Assoc., annual, St. Louis, Mo. (R. F. Gayle, Jr., Professional Bldg., Richmond 19, Va.)
- 3-7. Soc. of Motion Picture and Television Engineers, semiannual, Washington, D.C. (Sec., 342 Madison Ave., New York 17.)
- 3-8. International Conf. on Complete Gasification of Coal, Liége, Belgium. (J. Venter, 7 Blvd., Frére-Orban, Liége.)
- World Health Assembly, 7th, Geneva, Switzerland. (WHO, Palais des Nations, Geneva.)
- 4-6. Electronic Components Symposium, Washington, D.C. (F. B. Haynes, Glenn L. Martin Co., Baltimore 3, Md.)
- 5-7. Forest Products Research Soc., annual, Grand Rapids, Mich. (F. J. Rovsek, Box 2010, University Station, Madison 5, Wis.)
- 5-8. National Conf. on Health in Colleges, 4th, New York, N.Y. (Sec., American College Health Assoc., 1790 Broadway, New York 19.)
- 6-8. American Philosophical Assoc., Urbana, Ill. (M. C. Nahm, Bryn Mawr College, Bryn Mawr, Pa.)
- 8-9. Population Assoc. of America, annual, Charlottesville, Va. (H. Carter, National Office of Vital Statistics, Dept. of Health, Education, and Welfare, Washington 25, D.C.)
- 8-16. International Cong. of Thalassotherapy, Dubrovnik, Yugoslavia. (C. Plavsic, Zeleni Venac 1, Belgrade, Yugoslavia.)
- 9-14. National Conf. of Social Work, 81st annual, Atlantic City, N.J. (Office, 22 W. Gay St., Columbus 15, Ohio.)
- 10-12. IRE National Conf. on Airborne Electronics, Dayton, Ohio. (H. Pratt, 800 Quaint Acres Dr., Silver Spring, Md.)
- 10-12. Symposium on Fluorides, Cincinnati, Ohio. (Sec., Inst. of Industrial Health, Eden and Bethesda Aves., Cincinnati 19.)
- 12-22. International Conf. on Large Electric Systems, CIGRE, Paris, France. (F. Attwood, 50 Church St., New York 7.)
- 13-15. National Science Fair, 5th, Lafayette, Ind. (Science Clubs of America, 1719 N St., NW, Washington 6, D.C.)
- 14-16. American Acad. of Dental Medicine, 8th annual, Philadelphia, Pa. (W. M. Greenhut, 124 E. 84 St., New York 28.)
- 14-22. Chemical Engineering and Equipment Exhibition, Frankfurt, Germany. (Dr. Bretschneider, Rheingau-Allee 25, Frankfurt.)
- 14-7. Cong. on Scientific and Technical Progress, 1st, Strasbourg, France. (L. Chereau, 28 Rue Serpente, Paris 6, France.)
- 16-19. American Inst. of Chemical Engineers, Springfield, Mass. (F. J. Antwerpen, 120 E. 41 St., New York 17.)

Meetings & Conferences

May, contd.

- 16-23. International Inst. of Welding, annual, closed, Florence, Italy. (J. S. Magrath, 33 W. 39 St., New York 18.)
- 17-20. Electronic Parts Show, Chicago, Ill. (K. C. Prince, 1 N. La Salle St., Chicago 2.)
- 17-22. International Dairy Federation, annual, Paris, France. (General Sec., 154 Rue Belliard, Brussels, Belgium.)
- 17-24. International Office of Epizootics, 22nd, Paris, France. (Sec., 12 Rue de Prony, Paris 17.)
- 18-21. American Planning and Civic Assoc., annual, Columbus, Ohio. (Miss Harlean James, 901 Union Trust Bldg., Washington 5, D.C.)
- 19-22. International Cong. of Athletic Medicine, Belgrade, Yugoslavia. (Dr. Smodlaka, Deligradska 27, Belgrade.)
- 21-22. International Soc. of Surgery, Paris, France. (L. Dejardin, 141 Rue Belliard, Brussels, Belgium.)
- 21-22. Operations Research Soc., 2nd annual, Chicago, Ill. (T. E. Caywood, 203 N. Wabash Ave., Chicago 1.)
- 24-26. National Telemetering Conf., Chicago, Ill. (W. J. Mayo-Wells, Applied Physics Laboratory, Silver Spring, Md.)
- 24-27. Symposium on Instrumentation for Industrial Hygiene, Ann Arbor, Mich. (Director, Continued Education, School of Public Health, Univ. of Michigan, Ann Arbor.)
- 24-28. American Assoc. of Cereal Chemists, annual, Denver, Colo. (C. L. Brooke, Merck & Co., Rahway, N.J.) 29-5. International Ornithological Cong., 11th, Basel, Switzerland. (Jardin Zoologique, Basel.)
- 29-6. International Medico-Surgical Reunion, 2nd, Turin, Italy. (A. M. Dogliotti, Palazzo delle Esposizioni al Valentino, Turin.)
- 30-2. International Anatomical Nomenclature Committee, London, Eng. (T. B. Johnston, Guy's Hospital, London, SE 1.)
- 30-6. International Cong. of Agricultural and Food Industries, 10th, Madrid, Spain. (Sec., 3, Zurbane, Madrid.)

June

- 7-12. International Cong. of Psychology, 14th, Montreal, Can. (H. S. Langfeld, Eno Hall, Princeton Univ., Princeton, N.J.)
- 9-12. American Soc. for Quality Control, 8th, St. Louis, Mo. (D. Shainin, 70 E. 45 St., New York.)
- 11-17. Pan American Assoc. of Ophthalmology, 3rd, São Paulo, Brazil. (M. E. Alvaro, Consolação 1151, São Paulo.)
- 14-16. American Soc. of Agronomy, Corn Belt Branch, annual, Lincoln, Neb. (E. J. Frolik, Dept. of Agronomy, Univ. of Nebraska, Lincoln 3.)
- 14-18. American Soc. for Engineering Education, annual, Urbana, Ill. (A. B. Bronwell, Northwestern Univ., Evanston, Ill.)
- 14-18. American Soc. for Testing Materials, annual, Chicago, Ill. (R. J. Painter, 1916 Race St., Philadelphia 3, Pa.)
- 14-18. Symposium on Molecular Structure and Spectroscopy, annual, Columbus, Ohio. (H. H. Nielsen, Dept. of Physics, Ohio State Univ., Columbus 10.)

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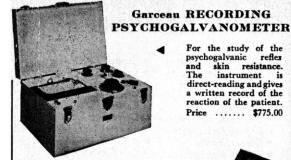
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14-19. Cong. and Exhibition of l'Aluminium Français and La Société Chimique de France, Paris, France. (R. Gadeau, 23 Rue Balzac, Paris 8.)

15-18. Medical Library Assoc., Washington, D.C. (Col. F. B. Rogers, Armed Forces Medical Library, Washington 25.)

16-19. Colloquium of College Physicists, annual, Iowa City, Iowa. (G. W. Stewart, Dept. of Physics, State Univ. of Iowa, Iowa City.)

18-19. American Rheumatism Assoc., annual, San Francisco, Calif. (W. H. Kammerer, 33 E. 61 St., New York 21.)

18-22. Canadian Medical Assoc., Vancouver, Can. (General Sec., 135 St. Clair Ave., West, Toronto 5.)

19-20. Soc. for Investigative Dermatology, San Francisco, Calif. (H. Beerman, 255 S. 17 St., Philadelphia 3, Pa.)

20-23. American Astronomical Soc., Ann Arbor, Mich. (C. M. Huffer, Washburn Observatory, Madison 6, Wis.)

20-23. American Soc. of Agricultural Engineers, annual, Minneapolis, Minn. (F. B. Lanham, ASAE, St. Joseph, Mich.)

20-24. American Soc. of Medical Technologists, Miami Beach, Fla. (R. Matthaei, Suite 25, Hermann Professional Bldg., Houston 25, Tex.)

20-25. American Inst. of Chemical Engineers, Ann Arbor, Mich. (D. L. Katz, Dept. of Chemical Engineering, Univ. of Michigan, Ann Arbor.)

20-25. American Soc. of Mechanical Engineers, semiannual, Pittsburgh, Pa. (C. E. Davies, 29 W. 39 St., New York.)

20-25. International Meeting on Chemical Engineering Aspects of Nuclear Processes, Ann Arbor, Mich. (D. L. Katz, Dept. of Chemical Engineering, Univ. of Michigan, Ann Arbor.)

20-26. American Library Assoc., annual, Minneapolis, Minn. (D. H. Clift, 50 E. Huron St., Chicago 11, Ill.)

20-10. National Training Laboratory in Group Development, Bethel, Me. (L. P. Bradford, 1201 16 St. NW, Washington 6, D.C.)

21-23. Chemical Inst. of Canada, 37th annual, Toronto, Can. (D. W. Emmerson, 18 Rideau St., Ottawa 2.)

21-24. Western Soc. of Naturalists, Pullman, Wash. (J. L. Mohr, Dept. of Zoology, Univ. of Southern California, Los Angeles.)

21-25. Alpha Chi Sigma Fraternity, annual, East Lansing, Mich. (J. R. Kuebler, 5503 E. Washington St., Indianapolis 19, Ind.)

21-25. American Inst. of Electrical Engineers, summer general and Pacific general, Los Angeles, Calif. (H. H. Henline, 33 W. 39 St., New York 18.)

21-25. Technical Writers' Inst., 2nd annual, Troy, N.Y. (J. R. Gould, Rensselaer Polytechnic Inst., Troy.)

21-25. American Medical Assoc., annual, San Francisco, Calif. (AMA Office, 535 N. Dearborn St., Chicago 10, Ill.)

22-24. American Dairy Science Assoc., 49th annual, State College, Pa. (J. O. Almquist, College of Agriculture, Pennsylvania State College, State College.)

22-25. Rubber Technology Conf., 3rd, London, Eng. (Sec., Institution of Rubber Industry, 12, Whitehall, London, SW 1.)

23-25. Cong. for the Advancement of Spectrographic Methods, 17th, Paris, France. (Sec., G.A.M.S., 1, Place St. Thomas d'Aquin, Paris 7.)

Meetings & Conferences

June, contd.

23-26. Acoustical Soc. of America, 25th, New York, N.Y. (W. Waterfall, 57 E. 55 St., New York 22.)

25-29. Inst. of Aeronautical Sciences, New York, N.Y. (S. P. Johnston, 2 E. 64 St., New York.)

27-1. Inst. of Food Technologists, annual, Los Angeles, Calif. (C. S. Lawrence, 176 W. Adams St., Chicago 3, Ill.)

28-29. National Science Teachers Assoc., New York N.Y.
(R. H. Carleton, 1201 16 St. NW, Washington 6, D.C.)
28-30. American Assoc. of Physics Teachers, Minneapolis, Minn. (R. F. Paton, Univ. of Illinois, Urbana.)

28-30. American Physical Soc., Minneapolis, Minn. (K. K. Darrow, Columbia Univ., New York 27.)

28-2. European Cong. of Gastroenterology, 4th, Paris, France. (A. Busson, 63 bis Rue de Varenne, Paris 7.) 28-3. National Education Assoc., annual, New York, N.Y. (L. W. Ashby, 1201 16 St. NW, Washington, D.C.)

30-2. Heat Transfer and Fluid Mechanics Inst., Berkeley, Calif. (H. A. Johnson, Dept. of Mechanical Engineering, Univ. of California, Berkeley.)

July

1-9. British Medical Assoc., Glasgow, Scotland. (BMA, Tavistock Square, London, WC 1.)

2-8. International Cong. of Oto-Neuro-Ophthalmology, 19th, São Paulo, Brazil. (C. de Rezende, Hospital das Clinicas, Avenida Ademar de Barros, São Paulo.)

2-14. International Cong. of Botany, 8th, Paris, France. (P. Chouard, 11, Rue de Val-de-Grace, Paris 5.)

6-9. American Home Economics Assoc., San Francisco, Calif. (Miss M. Horton, 1600 20 St. NW, Washington, D.C.)

6-9. International Conf. on Electron Microscopy, London, Eng. (F. W. Cuckow, Royal Cancer Hospital, London, SW 3.)

7-10. American Physical Soc., Seattle, Wash. (J. Kaplan, Univ. of California, Los Angeles.)

8-9. International Union of Pure and Applied Physics, 8th, London, Eng. (H. A. Barton, 57 E. 55 St., New York 22.)

10-15. Latin American Cong. on Gynecology and Obstetrics, 2nd, São Paulo, Brazil. (J. Ramos, Av. Brigadeiro Luiz Antonio, 278-80, São Paulo.)

13-17. Conf. on Defects in Crystalline Solids, Bristol, Eng. (H. A. Barton, 57 E. 55 St., New York 22.)

13-17. Cong. on Experimental and Theoretical Nuclear Physics, Glasgow, Scotland. (H. A. Barton, 57 E. 55 St., New York 22.)

15-17. International Symposium on Solid Particles in Astronomical Objects, Liége, Belgium. (P. Th. Oosterhoff, Leiden Observatory, Leiden, Netherlands.)

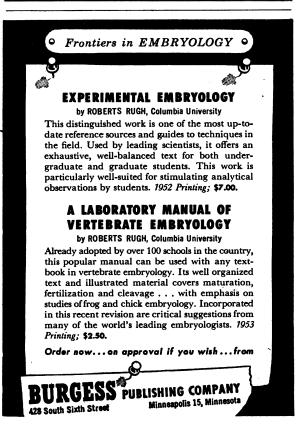
15-21. Pan American Cong. of Child Welfare and Pediatrics, 4th, São Paulo, Brazil. (J. Ramos, Av. Brigadeiro Luiz Antonio 278-80, São Paulo.)

17-22. Latin American Cong. on Mental Health, 1st, São Paulo, Brazil. (A. C. Pacheco e Silva, Av. Brigadeiro Luiz Antonio 278-80, São Paulo.)

19-23. International Cong. of Gerontology, 3rd, London and Oxford, Eng. (Mrs. A. Humpage, Tavistock Square, London, WC 1.)

19-24. Pan American Cong. on Gastroenterology, 5th, São Paulo, Brazil. (J. Ramos, Av. Brigadeiro Luiz Antonio 278-80, São Paulo.)





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ANATOMY OF THE CHORDATES

By CHARLES K. WEICHERT, The University of Cincinnati. McGraw-Hill Publications in the Zoological Sciences. 861 pages, \$8.00

Carefully prepared in a readable, interesting manner, making liberal use of illuminating illustrations, this text, following a brief introduction, discusses the classification and natural history of the main groups of living animals making up the phylum *Chordata*. A chapter on development follows: then, each organ system is taken up separately and from a comparative point of view. 500 illustrations are included.

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Meetings & Conferences

July, contd.

- 20-24. International Conf. on Thrombosis and Embolism, Basel, Switzerland. (W. Merz, Gynecological Clinic, Univ. of Basel.)
- 21-24. International Cong. of Medical Psychotherapy, Zurich, Switzerland. (H. K. Fiers-Monnier, Hauptstrasse 8, Kreuzlingen, Switzerland.)
- 21-28. International Cong. of Crystallography, 3rd, Paris, France. (J. D. H. Donnay, Johns Hopkins Univ., Baltimore, Md.)
- 23-29. International Cancer Cong., 6th, São Paulo, Brazil. (H. L. Stewart, National Cancer Inst., Bethesda, Md.)
- 25-31. Inter-American Cong. of Sanitary Engineering, 4th, São Paulo, Brazil. (L. Nogueira, Caixa Postal 8099, São Paulo.)
- 26-31. International Cong. of Gynecology and Obstetrics, Geneva, Switzerland. (W. Geisendorf, Maternite, Hôpital Cantonal, Geneva.)
- 27-28. International Union of Theoretical and Applied Mechanics, 4th, Brussels, Belgium. (H. L. Dryden, 1724 F St. NW, Washington 25, D.C.)
- 28-2. International Union for the Protection of Nature, 4th, Copenhagen, Denmark. (H. J. Coolidge, National Research Council, Washington 25, D.C.)
- 28-2. Symposium on Photoelasticity and Photoplasticity, Brussels, Belgium. (H. L. Dryden, 1724 F St. NW, Washington 25, D.C.)

August

- 3-13. Pan American Federation of Engineering Societies, 3rd, São Paulo, Brazil. (H. Pegado, Edificio Maua, Viaduto Dona Paulina, São Paulo.)
- 9-27. Summer Seminar in Statistics, 5th, Storrs, Conn. (G. Beall, Dept. of Statistics, Univ. of Connecticut, Storrs.)
- 10-14. Canadian Teachers' Federation, annual, Vancouver, Canada. (G. G. Croskery, 444 Mac Laren St., Ottawa.)
- 12-14. International Cong. on Group Psychotherapy, 1st, Toronto, Can. (J. L. Moreno, 101 Park Ave., New York 17.)
- 13-14. International Cong. on Child Psychiatry, Toronto, Can. (A. Z. Barhash, 186 Clinton Ave., Newark 5, N.J.)
- 13-21. World Poultry Cong., 10th, Edinburgh, Scotland. (Cong. Sec., Dept. of Agriculture for Scotland, St. Andrew's House, Edinburgh 1.)
- 14-21. International Cong. on Mental Health, 5th, Toronto, Can. (J. D. Griffin, 111 St. George St., Toronto 6.)
- 15-28. Pan Indian Ocean Science Cong., Perth, Western Australia. (A. D. Ross, 31 Ventnor Ave., West Perth.)
- 19-20. National Council of Geography Teachers, San Francisco, Calif. (Mrs. I. C. Robertson, State Teachers College, Valley City, N.D.)
- 19-31. International Conf. of Ship Hydrodynamics, 7th, Göteborg, Sweden. (H. F. Nordstrom, Statens Skeppsprovningsanstalt, Göteborg.)
- 23-26. American Veterinary Medical Assoc., annual, Seattle, Wash. (J. G. Hardenbergh, 600 S. Michigan Ave., Chicago 5, Ill.)
- 23-28. International Cong. for the Philosophy of Science, 2nd, Zurich, Switzerland. (Sec., Internationales Forum Zurich, Room 20d, Eidengenssische Hochschule, Zurich 6.)