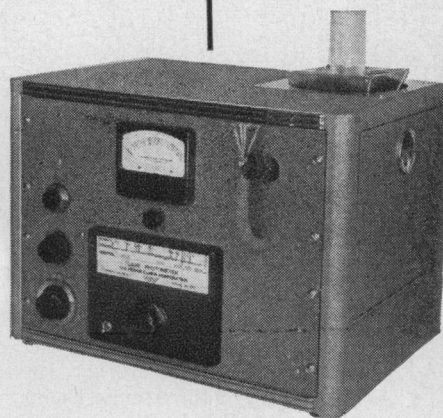


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tion; III. Physiology of Reproduction; and IV. Growth Hormone and Metabolism. There are three to five papers in each section and of them all, Section I is the most highly technical and least likely to appeal to the general reader. I was most interested in Section II and grateful for the opportunity to sit on the sidelines, so to speak, and watch a new and, to be sure, incomplete concept of disease being hammered out in the discussion.

Some new advances are recorded, particularly in Sections III and IV. The paper on relaxin was welcome as well as stimulating, as was the discussion of the growth hormone and its possible relation to diabetes. Their inclusion was timely and added considerably to the value of the book. As a paper on fetal endocrinology was included in this volume, perhaps it is not too much to expect something on invertebrate endocrinology or comparative vertebrate endocrinology in the near future.

DIETRICH C. SMITH

University of Maryland Medical School

Probability and Information Theory, with Applications to Radar. P. M. Woodward. McGraw-Hill, New York; Pergamon Press, London, 1953. 128 pp. Illus. \$4.50.

This attractively printed and charmingly written little book lives up to the promise of its prefaces (editor's and author's), but the description on the dust cover is somewhat misleading, for, quoting the latter, "It is directed toward the reader who, without any highly advanced mathematical knowledge, wishes to link his practical intuition and experience with precise mathematical theory." Such a reader, if he has no knowledge of probability, complex variable, Fourier transforms, and advanced circuit theory, will capitulate early. The superior senior undergraduate in engineering or physics, the graduate student, and the specialist should enjoy this succinct treatment of the field.

The first chapter, on probability, discusses the basic concepts, Bernoulli's theorem, moments, generating functions, characteristic functions, the convolution integral, Poisson and normal distributions and entropy as a measure of spread—all this and more in 25 pages. Twenty pages cover wave-form analysis and noise (including Parseval's theorem and the sampling theorem); approximately the same space is devoted to information theory. The remaining four of the seven chapters deal with the statistical problem of reception, theory of radar reception, the mathematical analysis of radar information, and the transmitted radar signal. These are based, for the most part, on several articles by the author and I. L. Davies and will interest the specialist.

In my opinion, the book would benefit from (i) a more extensive bibliography (only nine references are given—none to Wiener and many other important contributors); (ii) inclusion of a discussion of important relevant topics, for example, filtering and pre-

diction, which are touched on too briefly or entirely omitted; and (iii) more detailed development (the book would be short and still concise at twice its present length). It is to be hoped that the author will attempt this in a future edition, the more so as his expository skill is clearly high.

JEROME ROTHSTEIN

Columbia University, New York

New Books

Psychische Komponenten der Sinnesorgane. Eine Psychophysische Hypothese. Bernhard Rensch. Georg Thieme Verlag, Stuttgart, Germany, 1952. 200 pp. Illus. DM 22.50.

Soil and Fertilizer Phosphorus in Crop Nutrition. Agronomy Ser. Vol. IV. W. H. Pierre and A. G. Norman, Eds. Academic Press, New York, 1953. 492 pp. Illus. \$9.

Elementary Introduction to Molecular Spectra. Børge Bak. North-Holland, Amsterdam; Interscience, New York, 1954. 125 pp. Illus.

Organic Chemistry. A brief course. Robert Ward Getchell. McGraw-Hill, New York, 1954. 278 pp. \$4.

Soft Magnetic Materials for Telecommunications. A symposium held at the Post Office Engineering Research Station in April, 1952. C. E. Richards and A. C. Lynch, Eds. Interscience, New York; Pergamon Press, London, 1953. 346 pp. Illus. + plates. \$9.

An Introduction to Laboratory Technique in Bacteriology. ed. 3. Max Levine. Macmillan, New York, 1954. 413 pp. Illus. + plate. \$4.50.

Television Receiver Design. Monograph 2. Flywheel Synchronization of Saw-tooth Generators. Electronic Valves, Book VIII B. P. A. Neeteson. Philips' Technical Library, Eindhoven, Netherlands, 1953. U.S. distr.: Elsevier Press, Houston. 156 pp. Illus.

Connective Tissues. Transactions of the Fourth Conference, Feb. 18–20, 1953. Charles Ragan, Ed. Josiah Macy, Jr. Foundation, New York, 1953. 197 pp. Illus. \$3.75.

Complex Variable Theory and Transform Calculus. ed. 2. With technical applications. N. W. McLachland. Cambridge Univ. Press, New York, 1953. 388 pp. Illus. \$10.

II Cancro: Cause e meccanismo delle proliferazioni. Vol. I. Camillo Brioschi Editore, Milan, 1953. 421 pp.

II Cancro: Biologia del tessuto neoplastico. Vol. II. Camillo Brioschi Editore, Milan, 1953. 743 pp.

Soils and Fertilizers. ed. 4. Firman E. Bear. Wiley, New York; Chapman & Hall, London, 1953. 420 pp. Illus. \$6.

Biochemistry and Physiology of Nutrition, Vol. I. Geoffrey H. Bourne and George W. Kidder, Eds. Academic Press, New York, 1953. 569 pp. Illus. \$13.

Renal Function. Transactions of the Fourth Conference, Oct. 22–24, 1952. Stanley E. Bradley, Ed. Josiah Macy, Jr. Foundation, New York, 1953. 189 pp. Illus. \$3.50.

Bakteriologische Nährboden. Ausgewählte Nährbodenrezepturen für das Medizinisch-Bakteriologische Laboratorium. Lothar Hallmann. Georg Thieme Verlag, Stuttgart, Germany, 1953. 252 pp. Illus. DM 19.80.

Intertidal Invertebrates of the Central California Coast. S. F. Light's *Laboratory and Field Text in Invertebrate Zoology*, rev. by Ralph I. Smith *et al.* Univ. of California Press, Berkeley, 1954. 446 pp. Illus. \$5.

- Foams: Theory and Industrial Applications.** J. J. Bikerman. Reinhold, New York, 1953. 347 pp. Illus. \$10.
- Narcotics and Narcotic Addiction.** David W. Maurer and Victor H. Vogel. Thomas, Springfield, Ill., 1954. 303 pp. Illus. \$7.50.
- Microwave Spectroscopy.** M. W. P. Strandberg. Methuen, London; Wiley, New York, 1954. 140 pp. Illus. \$2.50.
- Cults and Creeds in Graeco-Roman Egypt.** The Forwood Lectures for 1952. H. Idris Bell. Philosophical Library, New York, 1953. 117 pp. \$4.75.
- Elements of Heat Treatment.** George M. Enos and William E. Fontaine. Wiley, New York; Chapman & Hall, London, 1953. 286 pp. Illus. \$5.
- Organic Coating Technology.** Vol. I. Oils, resins, varnishes, and polymers. Henry Fleming Payne. Wiley, New York; Chapman & Hall, London, 1954. 674 pp. Illus. \$10.
- Elementary Quantitative Analysis.** Ralph L. Van Peursem and Homer C. Imes. McGraw-Hill, New York, 1953. 383 pp. Illus. \$4.50.
- Who's Who in Commerce and Industry.** A. N. Marquis. Chicago, 1953. 1389 pp.
- Electrodeposition Research.** Proceedings of the National Bureau of Standards Semicentennial Symposium on Electrodeposition Research held at the NBS on December 4-6, 1951. Natl. Bur. of Standards Cir. 529, 1953. Supt. of Documents, GPO, Washington 25, D.C. 129 pp. Illus. \$1.50.
- Scintillation Counters.** J. B. Birks. McGraw-Hill, New York; Pergamon Press, London, 1953. 148 pp. Illus. + plates. \$4.50.
- Contributions to the Theory of Riemann Surfaces.** Centennial Celebration of Riemann's Dissertation. L. Ahlfors *et al.*, Eds. Princeton Univ. Press, Princeton, 1953. 264 pp. \$4.
- Information Theory.** Stanford Goldman. Prentice-Hall, New York, 1953. 385 pp. Illus. \$9.
- Communication Theory.** Papers read at a symposium on Application of Communication Theory held at the Institution of Electrical Engineers, London, September 22-26, 1952. Willis Jackson, Ed. Academic Press, New York; Butterworths, London, 1953. 532 pp. Illus. \$11.
- The Theory of Wholes in Chemistry and Its Bearing on the Nature of Biological Catalysts.** An essay in theoretical chemistry. J. Vine. Newman Wolsey, London, 1953. 97 pp. Illus. \$3.
- Annual Review of Physical Chemistry.** Vol. IV. G. K. Rollefson and R. E. Powell, Eds. Annual Reviews, Stanford, Calif., 1953. 493 pp. \$6.
- Principles of Automatic Controls.** Floyd E. Nixon. Prentice-Hall, New York, 1953. 409 pp. Illus. \$9.35.
- Notes on the Quantum Theory of Angular Momentum.** Eugene Feenberg and George Edward Pake. Addison-Wesley, Cambridge, Mass, 1953. 56 pp. \$2.
- Hypnotism.** An objective study in suggestibility. André M. Weitzenhoffer. Wiley, New York; Chapman & Hall, London, 1953. 380 pp. \$6.
- Elements of Statistics.** H. C. Fryer. Wiley, New York; Chapman & Hall, London, 1954. viii + 262 pp. Illus. \$4.75.
- Psychosomatic Case Book.** Roy R. Grinker and Fred P. Robbins. Blakiston, New York, 1954. xiii + 346 pp. \$6.50.
- Sex-Determination.** ed. 3. F. A. E. Crew. Methuen, London; Wiley, New York, 1954. vii + 68 pp. \$1.50.
- Symbolic Wounds.** Puberty rites and the envious male. Bruno Bettelheim. Free Press, Glencoe, Ill., 1954. 286 pp. \$4.75.
- The Challenge of Man's Future.** An inquiry concerning the condition of man during the years that lie ahead. Harrison Brown. Viking Press, New York, 1954. xii + 290 pp. Illus. \$3.75.
- Tissue Culture.** ed. 2. The growth and differentiation of normal tissues in artificial media. E. N. Willmer. Methuen, London; Wiley, New York; 1954. xx + 175 pp. Illus. + plates. \$2.25.
- Manual of the Plants of Colorado.** For the identification of the ferns and flowering plants of the state. H. D. Harrington. Sage Books, Denver, 1954. x + 666 pp. \$8.
- Introductory College Mathematics.** Adele Leonhardy. Wiley, New York; Chapman & Hall, London, 1954. 459 pp. Illus. \$4.90.
- Vegetable Fats and Oils.** E. W. Eckey. ACS Monograph Ser. Reinhold, New York, 1954. ix + 836 pp. Illus. \$16.50.
- Manual of Child Psychology.** ed. 2. Leonard Carmichael, Ed. Wiley, New York; Chapman & Hall, London, 1954. ix + 1295 pp. Illus. \$12.
- Amebiasis.** Ernest Carroll Faust. Charles C. Thomas, Springfield, Ill., 1954. xi + 154 pp. Illus. \$4.75.
- Calculations of Analytical Chemistry.** ed. 5. Leicester F. Hamilton and Stephen G. Simpson. McGraw-Hill, New York-London, 1954. xii + 340 pp. Illus. \$5.
- Tables of Lagrangian Coefficients for Sexagesimal Interpolation.** NBS Applied Mathematics Ser., No. 35. National Bur. of Standards, Washington, D.C., 1954. (Order from Supt. of Documents, GPO, Washington 25, D.C.). ix + 157 pp. \$2.
- Urban Behavior.** E. Gordon Erickson. Macmillan, New York, 1954. xiv + 482 pp. Illus. + plates. \$4.75.
- The Trees and Shrubs of the Southwestern Deserts.** ed. 2. Lyman Benson and Robert A. Darrow. Univ. of Arizona Press, Tucson; Univ. of New Mexico Press, Albuquerque, 1954. x + 437 pp. Illus. + plates. \$8.50.
- Introduction to Nuclear Engineering.** Richard Stephenson. McGraw-Hill, New York-London, 1954. xii + 387 pp. Illus. \$8.
- Australian and New Zealand Botany.** John McLuckie and H. S. McKee. Associated General, Sydney, Australia, 1954. xx + 758 pp. Illus. £4 4s.
- Differential and Integral Calculus.** ed. 5. Clyde E. Love and Earl D. Rainville. Macmillan, New York, 1954. xiv + 526 pp. Illus. \$5.75.
- The Psychology of the Criminal Act and Punishment.** Gregory Zilboorg. Harcourt, Brace, New York, 1954. xi + 141 pp. \$3.50.
- Physiology in Diseases of the Heart and Lungs.** Rev. ed. M. D. Altschule. Harvard Univ. Press, Cambridge, 1954. xv + 554 pp. \$7.50.
- Science, Medicine and History.** Essays on the evolution of scientific thought and medical practice written in honour of Charles Singer. E. Ashworth Underwood, Ed. Oxford Univ. Press, London-New York, 1953. Vol. I, xxxii + 563 pp.; Vol. II, viii + 646 pp. Illus. + plates. \$45 the set.
- Matthews' Textile Fibers.** Their physical, microscopic, and chemical properties. ed. 6. Herbert R. Mauersberger, Ed. Wiley, New York; Chapman & Hall, London, 1954. x + 1283 pp. Illus. \$16.50.
- The Behavior and Social Life of Honeybees.** C. R. Ribbands. Bee Res. Assoc., London; Hale, Hapeville, Ga., 1953. 352 pp. Illus. + plates. \$4.50.
- Optical Workshop Principles.** Eng. ed. 2. Trans. of *Le Travail des Verres d'Optique de Précision*. Charles Dévé. Trans. by Thomas L. Tippell. Hilger & Watts, London, 1954. xxiv + 436 pp. Illus. + plates. 4s.

Miscellaneous Publications

- Who Says the Hydrogen Bomb Is a Mystery?* J. Bronowski. Alumni Pub., New York 16, 1953. 23 pp. Illus. 15¢.
- A Correlation of Sewage Chlorine Demand Data.** Bull. No. 87. Linvil G. Rich *et al.* 12 pp. Illus. 25¢. *Virginia Mineral Localities.* Bull. No. 88. Richard V. Dietrich. 55 pp. 50¢. *Tallol Investigations.* Bull. No. 89. Frank C. Vilbrandt *et al.* 14 pp. 25¢. Engineering Experiment Station, Virginia Polytechnic Institute, Blacksburg, 1953.
- Guide to National Bibliographical Centers, UNESCO Bulletin for Libraries.** (In English and French). UNESCO, Paris, 1953. 68 pp. 50¢ (Order from Columbia Univ. Press, New York 27).
- List of Cultures of Fungi.** Instituto Oswaldo Cruz, Laboratorio de Micologia, Rio de Janeiro, Brazil, 1953. 29 pp.
- Halogeton Problem in Utah.** Bull. 364. C. Wayne Cook and L. A. Stoddart. Agricultural Experiment Station, Utah State Agricultural College, Logan, 1953. 44 pp. Illus.
- Conduction Thermique dans les Gaz Raréfiés Coefficient d'Accommodation.** Mémorial des Sciences Physiques, Fasc. LVI. F. Marcel Devienne. Gauthier-Villars, Paris, 1953. 75 pp.
- A Revision of the Genus Teriomima Kirby (Lepidoptera: Lycaenidae).** vol. 3, No. 3. H. Stempffer and N. H. Bennett. 27 pp. + plates. 7s 6d. **Notes on British Ichneumoninae with Descriptions of New Species (Hym., Ichneumonidae).** vol. 3, No. 4. J. F. Perkins. 73 pp. Illus. 15s. **On a Very Remarkable Flea from Argentina,** by H. E. Karl Jordan, and **Descriptions of New and Little-Known Siphonaptera,** by F. G. A. M. Smit. vol. 3, No. 5, 42 pp. Illus. 10s. British Museum (Natural History), London, 1953.
- Defense against Recession: Policy for Greater Economic Stability.** Committee for Economic Development, New York 22, 1954. 53 pp. Gratis.
- Fifth Annual Report for the Year Ending 30 June 1953.** Commonwealth (of Australia) Scientific and Industrial Research Organization, Melbourne, 1953. 325 pp.
- Preliminary Report on the Froth Flotation of Wake County Talc.** Bull. No. 7. R. D. Dillender, Jr., and I. W. Gower. Dept. of Engineering Research, North Carolina State College, Raleigh, 1953. 16 pp. Illus. 35¢.
- Effect of Edge Insulation upon Temperature and Condensation on Concrete-Slab Floors.** Building Materials and Structures Rpt. 138. Harold R. Martin *et al.* 21 pp. Illus. 20¢. **Studies of Stone-Setting Mortars.** Rpt. 139. Daniel W. Kessler and Ross E. Anderson. 23 pp. Illus. 20¢. National Bureau of Standards, 1953. (Order from Supt. of Documents, GPO, Washington 25).
- Fluid Gasification of Oil.** Research Bull. 16. J. M. Reid *et al.* Institute of Gas Technology Chicago 16, 1953. 48 pp. Illus. \$5.
- Particules Fondamentales et Noyaux.** Paris conference, 24-29 April 1950. Centre National de la Recherche Scientifique, Paris-V, 1953. 229 pp. Illus. 1,800 frs.
- The Literature of Geology.** Brian Mason. The author, American Museum of Natural History, New York 24, 1953. 155 pp. \$2.
- Second Annual Report, 1952/53.** Joint Establishment for Nuclear Energy Research, Kjeller pr. Lillestrom, Norway, 1953. 41 pp. Illus.
- BCSO Review of Science in U.S.A. for the Year Ending June 1952.** Her Majesty's Stationery Office, London, 1953. 40 pp. Illus. 2s 6d.
- A Hyperbolic Protractor for Microwave Impedance Measurements and Other Purposes.** G. A. Deschamps. Federal Telecommunication Laboratories, 1953. 44 pp. Illus. \$2.50 with protractor. (Order from International Telephone and Telegraph Corp., New York 4).
- Relationships of Old and New World Melanians.** Proceedings, vol. 103, No. 3325. J. P. E. Morrison. 37 pp. + plate. **Review of the Labrid Fish Genus Wetmorella with Descriptions of New Forms from the Tropical Indo-Pacific.** No. 3327 Leonard P. Schultz and N. B. Marshall. 8 pp. Illus. + plate. **Review of the Atlantic Periwinkles, Nodilittorina, Echininus, and Tectarius** No. 3328. R. Tucker Abbott. 15 pp. Illus. Smithsonian Institution, Washington 25, 1954.
- Das Analzäpfchen in der Geschichte der Therapie.** P. Diepgen. Georg Thieme Verlag, Stuttgart, 1953. 44 pp. Illus. (Order from Grune & Stratton, New York).
- Proceedings and Papers of the 21st Annual Conference,** Feb. 1953. Harold Farnsworth Gray and G. Edwin Washburn, Eds. California Mosquito Control Assoc., Turlock. 77 pp. Illus.
- Karlǵren's Glottal Stop Initial in Ancient Chinese,** with Particular Reference to the hPHAGS-PA Alphabet and to Certain Points of Linguistic Psychology. E. R. Hope. The author, 305 Wilbrod St., Ottawa 2, Ontario, Canada, 1953. 89 pp.
- Survey of the Bamboos, Industrial Raw Materials of Plant Origin, V.** Bull. No. 18. H. H. Sineath *et al.* Georgia Institute of Technology, Atlanta, 1953. 230 pp. Illus. Gratis.
- Pedology of Part of the Upper Hunter Valley, New South Wales.** Soil Pub. No. 2. R. Brewer and B. E. Butler. 104 pp. Illus. **Soils of Part of the Southern Flinders Ranges, South Australia.** Soil Pub. No. 3. G. Blackburn and R. M. Baker. 56 pp. Illus. + plates. Commonwealth Scientific and Industrial Research Organization, Melbourne, Australia, 1953.
- National Advisory Committee on Research in the Geological Sciences, Third Annual Report 1952-53.** Geological Survey of Canada, Ottawa, 1953. 123 pp.
- Contributions to the Anthropology of the Caucasus.** vol. 48, No. 1. Henry Field. Peabody Museum of Archaeology and Ethnology, Harvard Univ., Cambridge, Mass., 1953. 154 pp. Illus. \$6.50.
- Review of Physiological Chemistry.** ed. 4. Harold A. Harper. Lange Medical Pubs., Los Altos, California, 1953. 328 pp. Illus.
- Guide to Transistor Literature.** Glenn L. Martin Co., Baltimore 3, Md., 1954. 54 pp. Free.
- Geology of Chaco Canyon, New Mexico, in Relation to the Life and Remains of the Prehistoric Peoples of Pueblo Bonito.** Smithsonian Misc. Coll., vol. 122, No. 7. Kirk Bryan. Smithsonian Institution, Washington 25, 1954. 65 pp. + plates.
- Professor Meghnad Saha, His Life, Work, and Philosophy.** S. N. Sen, Ed. Meghnad Saha 60th Birthday Committee, Calcutta, India, 1954. 175 pp. Illus. \$1.50.
- General Catalogue of Stellar Radial Velocities.** Papers of Mt. Wilson Observatory, vol. 8. Ralph Elmer Wilson. Carnegie Institution of Washington, D.C., 1953. 344 pp. \$2.50.
- Treponematoses: A World Problem.** vol. 8, No. 2-3. World Health Organization, Geneva, 1954 (Order from Columbia Univ. Press, New York 27). 76 pp. Illus. 50¢.
- Role of Educational Institutions in Military Research.** Occasional Papers No. 3. Robert E. Cron, Jr. Carnegie Institute of Technology, Pittsburgh, 1953. 22 pp. \$1.

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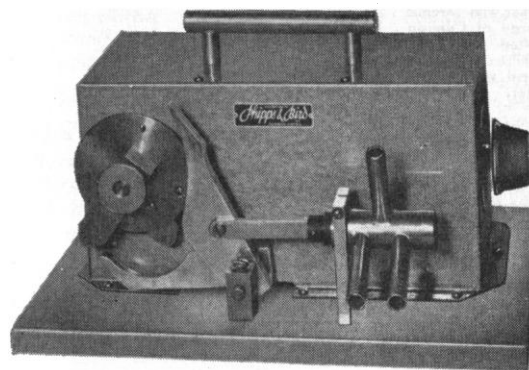
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Meetings & Conferences

July

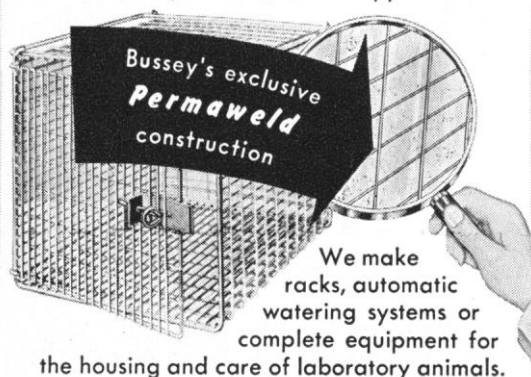
- 19-23. International Cong. of Gerontology, 3rd, London and Oxford, Eng. (Mrs. A. Humpage, Tavistock Square, London, W.C.1.)
- 19-24. Pan American Cong. on Gastroenterology, 5th, São Paulo, Brazil. (J. Ramos, Av. Brigadeiro Luiz Antonio 278-80, São Paulo.)
- 19-31. French Assoc. for the Advancement of Science, Poitiers, France. (FAAS, 28 Rue Serpente, Paris 8.)
- 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. Piers-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, Maternité, 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

- 1-2. Linguistic Soc. of America, Chicago, Ill. (A. A. Hill, 1719 Massachusetts Ave., NW, Washington 6, D.C.)
- 3-13. Pan American Federation of Engineering Societies, 3rd, São Paulo, Brazil. (H. Pegado, Edifício Maua, Viaduto Dona Paulina, São Paulo.)
- 9-15. International Cong. of Philosophy, São Paulo, Brazil. (M. Reale, Rua 24 de Maio 104-8, 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.)
- 16-18. American Malacological Union, Durham, N.H. (M. Teskey, 144 Harlem Ave., Buffalo 24.)

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Meetings & Conferences

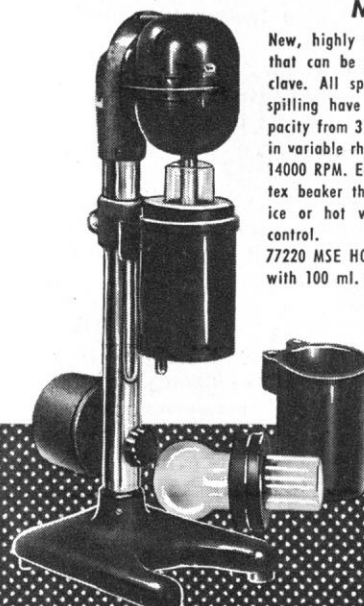
August, *contd.*

18. Stanford Conf. on Population Problems of Latin America, Stanford, Calif. (R. Hilton, Hispanic American Studies, Stanford Univ., Stanford.)
- 19-20. National Council of Geography Teachers, San Francisco, Calif. (Mrs. I. C. Robertson, State Teachers College, Valley City, N.D.)
- 19-21. International Conf. of Ship Hydrodynamics, 7th, Göteborg, Sweden. (H. F. Nordstrom, Statens Skeppsprovninganstalt, Göteborg.)
- 20-26. American Pharmaceutical Assoc., Boston, Mass. (R. P. Fischelis, 2215 Constitution Ave., NW, Washington 7, D.C.)
- 23-26. American Veterinary Medical Assoc., annual, Seattle, Wash. (J. G. Hardenbergh, 600 S. Michigan Ave., Chicago 5, Ill.)
- 25-28. International Cong. for the Philosophy of Science, 2nd, Zurich, Switzerland. (Sec., Internationales Forum Zurich, Room 20d, Eidengensische Hochschule, Zurich 6.)
- 23-28. International Cong. of Soil Science, 5th, Leopoldville, Belgian Congo. (F. A. van Baren, Royal Tropical Inst., Mauritskade 63, Amsterdam, Netherlands.)
- 23-28. International Photobiological Cong., Amsterdam, Netherlands. (Cong. Sec., Radiologische Laboratorium, Wilhelminagasthuis, Amsterdam.)
- 23-3. International Scientific Radio Union, 11th, The Hague, Netherlands. (I. E. Herbays, 42 Rue des Minimes, Brussels, Belgium.)
- 25-27. American Phytopathological Soc., annual, Estes Park, Colo. (G. S. Pound, Dept. of Plant Pathology, Univ. of Wisconsin, Madison.)
- 25-27. Biological Photographic Assoc., 24th annual, Atlantic City, N.J. (A. F. Hancock, Photo Unit, Jefferson Hospital, 1020 Sansom St., Philadelphia 7.)
- 25-27. Western Electronics Show and Convention, Los Angeles, Calif. (M. Mobley, Jr., 344 N. LaBrea Ave., Los Angeles 36.)
- 28-29. Soc. for Social Responsibility in Science, annual, Yellow Springs, Ohio. (SSRS Office, Gambier, Ohio.)
- 30-31. Mathematical Assoc. of America, 35th summer, Laramie, Wyo. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)
- 30-1. American Soybean Assoc., 34th annual, Memphis, Tenn. (G. M. Strayer, ASA office, Hudson, Iowa.)
- 30-3. International Soc. of Orthopedic Surgery and Traumatology, 6th, Bern, Switzerland. (M. Dubois, Isle-Hospital, Bern.)
- 30-3. International Symposium on Combustion, 5th, Pittsburgh, Pa. (B. Lewis, Alcoa Bldg., Pittsburgh 19.)
- 30-9. International Mathematical Cong., Amsterdam and The Hague, Netherlands. (M. H. Stone, Dept. of Mathematics, Univ. of Chicago, Chicago 37, Ill.)
- 31-3. American Mathematical Soc., summer, Laramie, Wyo. (E. G. Begle, AMS, Yale Univ., New Haven, Conn.)
- 31-10. UN World Population Conf., Rome, Italy. (J. D. Durand, Room 3025B, UN Bldg., New York.)
- 31-10. World Population Cong., Rome, Italy. (F. Lorimer, American Univ., Washington 16, D.C.)

September

- 1-7. International Soc. for Cell Biology, 8th, Leiden, Netherlands. (W. H. K. Karstans, Botanical Laboratory, State University, Nonnensteig 3, Leiden.)

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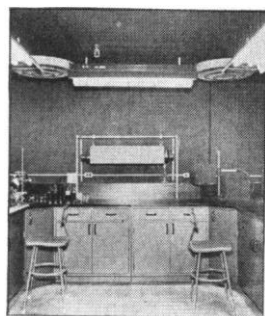
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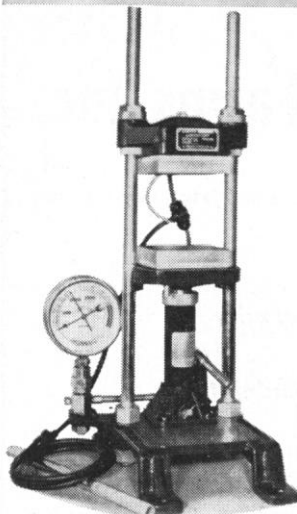
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Meetings & Conferences

September, *contd.*

- 1-8. British Assoc. for the Advancement of Science, annual, Oxford, England. (Sec., BAAS, Burlington House, London, W.1.)
- 1-8. International Cytological Cong., Leiden, Netherlands. (P. G. Gaillard, Histologisch Laboratorium, Rijksuniversiteit, Leiden.)
- 1-11. International Committee of Electrochemical Thermodynamics and Kinetics, 6th annual, Paris and Poitiers, France. (P. Van Rysselberghe, Dept. of Chemistry, Univ. of Oregon, Eugene.)
- 1-16. International Electrotechnical Commission, 50th, Philadelphia, Pa. (U.S. Committee, American Standards Assoc., 70 E. 45 St., New York 17.)
- 2-9. International Cong. of Mathematicians, annual, Amsterdam, Netherlands. (Sec., 2d Boerhaavestraat 49, Amsterdam.)
- 3-7. International Symposium on Infrared, Parma, Italy. (S. S. Ballard, The Rand Corp., Santa Monica, Calif.)
- 3-8. American Psychological Assoc., annual, New York City. (F. H. Sanford, 1333 16 St., NW, Washington 6, D.C.)
- 3-8. Psychometric Soc., annual, New York City. (J. B. Carroll, Harvard Univ., 13 Kirkland St., Cambridge 38, Mass.)
- 5-9. American Inst. of Biological Sciences, Gainesville, Fla. (F. L. Campbell, 2101 Constitution Ave., Washington, D.C.)
- 5-9. American Bryological Soc., Gainesville, Fla. (L. J. Gier, Dept. of Biology, Wm. Jewell College, Liberty, Mo.)
- 5-9. American Fern Soc., Gainesville, Fla. (W. H. Wagner, Dept. of Botany, Univ. of Michigan, Ann Arbor.)
- 5-9. American Soc. for Horticultural Science, Gainesville, Fla. (F. S. Howlett, Ohio Agricultural Experiment Station, Wooster.)
- 5-9. American Soc. of Human Genetics, Gainesville, Fla. (S. C. Reed, Univ. of Minnesota, Minneapolis 14.)
- 5-9. American Soc. of Ichthyologists and Herpetologists, Gainesville, Fla. (A. Grobman, Dept. of Biology, Univ. of Florida, Gainesville.)
- 5-9. American Soc. of Limnology and Oceanography, Gainesville, Fla. (B. H. Ketchum, Woods Hole Oceanographic Institution, Woods Hole, Mass.)
- 5-9. American Soc. of Naturalists, Gainesville, Fla. (W. S. Spencer, Dept. of Biology, Wooster College, Wooster, Ohio.)
- 5-9. American Soc. of Plant Physiologists, Gainesville, Fla. (J. F. Stanfield, Miami Univ., Oxford, Ohio.)
- 5-9. American Soc. of Plant Taxonomists, Gainesville, Fla. (R. C. Rollins, Gray Herbarium, Harvard Univ., Cambridge 38, Mass.)
- 5-9. Assoc. of Southeastern Biologists, Gainesville, Fla. (M. E. Gaulden, Biology Div., Oak Ridge National Laboratory, Oak Ridge, Tenn.)
- 5-9. Biometric Soc. ENAR, Gainesville, Fla. (A. M. Dutton, Box 287, Station 3, Rochester 20, N.Y.)
- 5-9. Botanical Soc. of America, Gainesville, Fla. (H. B. Creighton, Dept. of Botany, Wellesley College, Wellesley 81, Mass.)
- 5-9. Ecological Soc. of America, Gainesville, Fla. (J. F. Reed, Dept. of Botany, Univ. of Wyoming, Laramie.)
- 5-9. Genetics Soc. of America, Gainesville, Fla. (C. P. Oliver, Dept. of Zoology, Univ. of Illinois, Urbana.)

Meetings & Conferences

September, *contd.*

- 5-9. Mycological Soc. of America, Gainesville, Fla. (L. Shanor, Dept. of Botany, Univ. of Illinois, Urbana.)
- 5-9. National Assoc. of Biology Teachers, Gainesville, Fla. (J. P. Harrold, 110 E. Hines St., Midland, Mich.)
- 5-9. The Nature Conservancy, Gainesville, Fla. (G. B. Fell, 607 G St., SE, Washington 3, D.C.)
- 5-9. Phi Sigma Soc., Gainesville, Fla. (F. S. Orcutt, Dept. of Biology, Virginia Polytechnic Inst., Blacksburg.)
- 5-9. Sigma Delta Epsilon, Gainesville, Fla. (M. Gajdics, Barat College, Lake Forest, Ill.)
- 5-9. Soc. of Protozoologists, Gainesville, Fla. (N. D. Levine, College of Veterinary Medicine, Univ. of Illinois, Urbana.)
- 5-9. Soc. for the Study of Evolution, Gainesville, Fla. (H. Lewis, Dept. of Botany, Univ. of California, Los Angeles 14.)
- 6-9. Conf. on the Physics of the Ionosphere, Cambridge, England. (J. A. Ratcliffe, Cavendish Laboratory, Cambridge.)
- 6-10. International Conf. of Geographic Pathology, 5th, Washington, D.C. (R. A. Moore, School of Medicine, Washington Univ., St. Louis 10, Mo.)
- 6-10. International Cong. of Clinical Pathology, 2nd, Washington, D.C. (R. A. Moore, School of Medicine, Washington Univ., St. Louis 10, Mo.)
- 6-10. International Poliomyelitis Conf., 3rd, Rome, Italy. (S. E. Henwood, 120 Broadway, New York 5.)
- 6-11. International Soc. of Hematology, 5th, Paris, France. (S. Haberman, 3600 Gaston Ave., Dallas, Tex.)
- 7. Phycological Soc. of America, Gainesville, Fla. (R. H. Thompson, Dept. of Botany, Univ. of Kansas, Lawrence.)
- 7-10. Alaska Science Conf., 5th, Anchorage, Alaska. (AAAS, Box 960, Anchorage.)
- 8-9. Soc. of General Physiologists, annual, Woods Hole, Mass. (J. B. Buck, National Institutes of Health, Bethesda 14, Md.)
- 8-10. American Physiological Soc., Madison, Wis. (W. B. Youmans, Dept. of Physiology, Univ. of Wisconsin, Madison.)
- 8-10. American Soc. of Mechanical Engineers, fall, Milwaukee, Wis. (O. B. Schier, II, 29 W. 39 St., New York 18.)
- 8-10. American Sociological Soc., Urbana, Ill. (J. W. Riley, Jr., A.S. Soc., New York Univ., New York 3.)
- 9-11. American Political Science Assoc., annual, Chicago, Ill. (J. Gange, 1785 Massachusetts Ave., NW, Washington 6, D.C.)
- 9-17. International Cong. of Ophthalmology, 17th, Montreal, Canada, and New York, N.Y. (W. L. Benedict, 100 First Avenue Bldg., Rochester, Minn.)
- 10-12. Gerontological Soc., Gainesville, Fla. (A. J. Carlson, Univ. of Chicago, Chicago 37.)
- 10-13. Inst. of Mathematical Statistics, American Statistical Assoc., and Econometric Soc., Montreal, Canada. (K. J. Arnold, Dept. of Mathematics, Michigan State College, East Lansing.)
- 10-16. International Symposium on Problems in Contemporary Optics, Florence, Italy. (S. S. Ballard, The Rand Corp., Santa Monica, Calif.)
- 10-24. American Soc. of Photogrammetry, Philadelphia, Pa. (C. E. Palmer, 1000 11 St., NW, Washington 1, D.C.)

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Meetings & Conferences

September, *contd.*

- 12-16. American Inst. of Chemical Engineers, Glenwood Springs, Colo. (C. H. Prien, Research Inst., Univ. of Denver, Denver 10, Colo.)
- 12-16. Illuminating Engineering Soc., Atlantic City, N.J. (A. D. Hineckley, 1860 Broadway, New York 23.)
- 12-17. American Chemical Soc., annual, New York City. (R. M. Warren, 1155 16 St., NW, Washington 6, D.C.)
- 12-17. International Assoc. for the Prevention of Blindness, New York City. (Prof. Franceschetti, 3 Ave. Miremont, Geneva, Switzerland.)
- 12-17. International Cong. of Cardiology, Washington, D.C. (L. W. Gorham, American Heart Assoc., 44 E. 23 St., New York 10.)
- 12-17. International Organization Against Trachoma, Montreal, Can. (A. Sorsby, 45 Lincoln's Inn Field, London W.C.2.)
- 13-14. American Microscopical Soc., annual, Philadelphia, Pa. (C. J. D. Brown, Dept. of Zoology and Entomology, Montana State College, Bozeman.)
- 13-15. Analytical Instrument Clinic, 3rd annual, Philadelphia, Pa. (A. H. Peterson, 4400 5 Ave., Pittsburgh 13, Pa.)
- 13-17. Assoc. of Applied Biologists, 50th anniversary, London, Eng. (R. K. S. Wood, Imperial College of Science and Technology, London, S.W.7.)
- 13-18. International Cong. of Nutrition, 3rd, Amsterdam, Netherlands. (M. van Eekelen, 61 Catharynesingel, Utrecht, Netherlands.)
- 13-19. International Cong. on Industrial Medicine, 11th, Naples, Italy. (Sec. of Cong., Istituto Medicine del Lavoro, Universita, Policlinico, Piazza Miraglia, Naples.)
- 13-19. International Soc. of Blood Transfusion, 5th, Paris, France. (Col. Julliard, 57 Boulevard d'Auteuil, Boulogne sur Seine, France.)
- 13-20. International Soc. of the History of Medicine, 14th, Rome and Salerno, Italy. (M. Galeazzi, Citta Universitaria, Rome.)
- 13-25. International Instrument Cong. and Exposition, 1st, Philadelphia, Pa. (R. Rimbach, 921 Ridge Ave., Pittsburgh 12, Pa.)
- 14-29. International Union of Geodesy and Geophysics, Rome, Italy. (W. E. Smith, 1530 P St., NW, Washington 5, D.C.)
15. International Cong. of Industrial Chemistry, 27th, Brussels, Belgium. (Mr. Guilmot, 32 Rue Joseph II, Brussels.)
- 15-18. International Cong. of Internal Medicine, 3rd, Stockholm, Sweden. (A. Kristenson, Karolinska Sjukhuset, Stockholm 60.)
- 17-18. Calorimetry Conf., 9th annual, Schenectady, N.Y. (W. De Sorbo, GE Research Laboratories, Schenectady.)
- 21-22. Soc. for Experimental Stress Analysis, Philadelphia. (W. M. Murray, Central Square Station, P.O. Box 168, Cambridge 39, Mass.)
- 21-24. American Roentgen Ray Soc., Washington, D.C. (B. R. Young, Germantown Hospital, Philadelphia 44, Pa.)
- 22-24. Conf. on the Protection of Plants in Hot Climates, Marseilles, France. (P. Bonnet, Palais de la Bourse, Marseilles.)
- 22-24. Mississippi Valley Medical Soc., 18th annual, Chicago, Ill. (H. Swanberg, 209-224 W.C.U. Bldg., Quincy, Ill.)