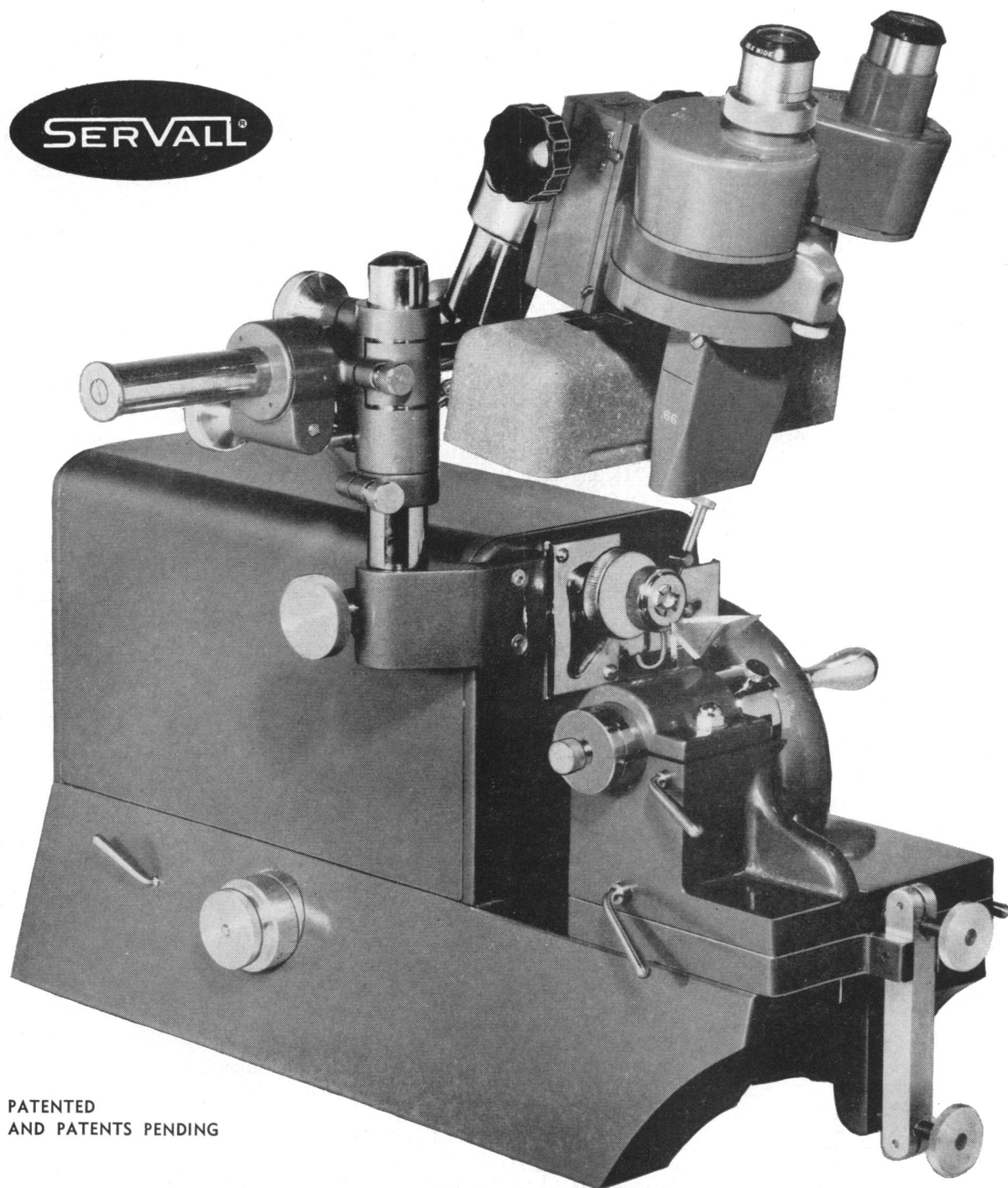


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6 December 1957

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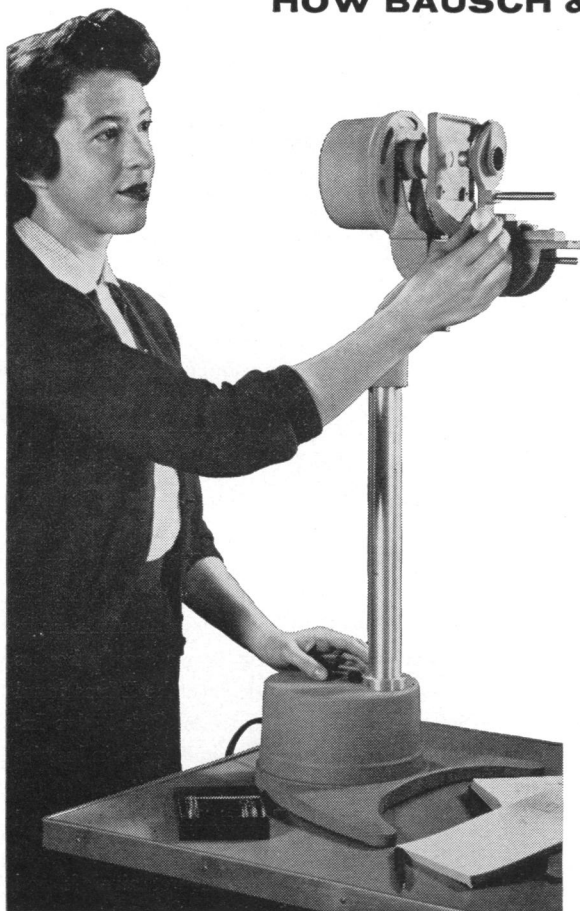
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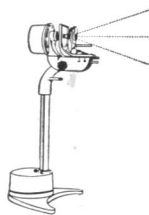
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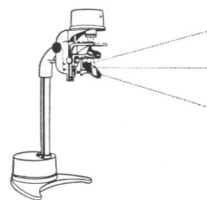
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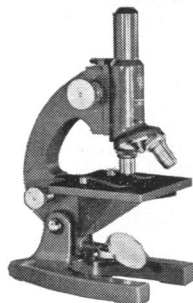
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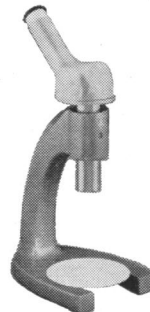


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metric methods as fiber spaces in number theory (K. Yamazaki, following ideas of A. Weil); and number theory in algebraic varieties (A. Neron). Algebraic geometry is well represented: M. Nagata gives a systematic exposition of his general treatment of intersection multiplicities, following notions of C. Chevalley; J. P. Serre shows how the new methods of homological algebra yield improved proofs of the Cohen-Macaulay theorems, and so on. Other articles follow, and the volume ends with 17 short notes by younger Japanese mathematicians. As a statement by the visitors (page xxxi) points out, the material conditions of young Japanese scientists are not favorable, but their devotion and talent are amply displayed here.

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## New Books

*The Origin of Life on the Earth.* A. I. Oparin. Translated from the Russian by Ann Synge. Academic Press, New York, rev. ed. 3, 1957. 513 pp. \$6.80.

*Edward Williams Morley.* His influence on science in America. Howard R. Williams. Chemical Education, Easton, Pa., 1957. 293 pp.

*An Introduction to Genetic Statistics.* Oscar Kempthorne. Wiley, New York; Chapman & Hall, London, 1957. 572 pp. \$12.75.

*Better Biology for High School.* D. K. Gillespie. Vantage Press, New York, 1957. 249 pp. \$3.50.

*Check-List of North American Birds.* Prepared by a committee of the American Ornithologists' Union. American Ornithologists' Union, 1957. 704 pp.

*Hepatitis Frontiers.* Frank W. Hartman, Gerald A. LoGrippe, John G. Mateer, James Barron. Little, Brown, Boston, 1957. 605 pp. \$12.50.

*Radiation Effects in Solids.* G. J. Dienes and G. H. Vineyard. Interscience, New York, 1957. 234 pp. \$6.50.

*Cosmic View.* The universe in 40 jumps. Kees Boeke. Day, New York, 1957. 48 pp. \$3.25.

*Social and Cultural Dynamics.* A study of change in major systems of art, truth, ethics, law and social relationships. Pitirim Sorokin. Sargent, Boston, revised and abridged in one volume, 1957. 718 pp. \$7.50.

*Treatise on Marine Ecology and Paleocology.* vol. 2, *Paleocology.* Memoir 67. Harry S. Ladd, Ed. Geological Society of America, New York, 1957. 1087 pp. \$10.

*New Frontiers of Knowledge.* A symposium by distinguished writers, notable scholars and public figures. Public Affairs Press, Washington, 1957. 135 pp. \$2.75.

*El Archipiélago de Los Roques y La Orchila.* Sociedad de Ciencias Naturales la Salle, Caracas, Venezuela, 1956. 257 pp.

*The Elements of Physics.* Alpheus W. Smith and John N. Cooper. McGraw-Hill, New York, ed. 6, 1957. 683 pp. \$7.50.

*Guide to the Microscope.* Arthur Beiser. Dutton, New York, 1957. 127 pp. \$3.25.

*Education for Planning: City, State and Regional.* Harvey S. Perloff. Johns Hopkins Press (for Resources for the Future), Baltimore, 1957. 199 pp. \$3.50.

*Chronic Illness in a Large City. The Baltimore Study.* vol. IV of *Chronic Illness in the United States.* Commission on Chronic Illness. Harvard University Press (for the Commonwealth Fund), Cambridge, Mass., 1957. 639 pp. \$8.

*Community Involvement.* The webs of formal and informal ties that make for action. Christopher Sower, John Holland, Kenneth Tiedke, Walter Freeman. Free Press, Glencoe, Ill., 1957. 323 pp. \$5.

*College Men at War.* Memoirs, vol. 24. John P. Monks. American Academy of Arts and Sciences, Boston, 1957. 334 pp. \$10.00.

*The Origins of Modern Science 1300-1800.* H. Butterfield. Macmillan, New York, ed. 2, 1957. 252 pp. \$3.

*West Africa.* A study of the environment and of man's use of it. R. J. Harrison Church. Longmans, Green, London, 1957 (order from Longmans, Green, New York). 574 pp. \$8.75.

*Biochemie der Ernährung.* K. Lang. Steinkopff, Darmstadt, Germany, 1957. 426 pp. DM. 54.

*The American Idea of Mission.* Concepts of national purpose and destiny. Edward McNall Burns. Rutgers University Press, New Brunswick, N.J., 1957. 397 pp. \$9.

*Automation: What It Is, How It Works, Who Can Use It.* Carl Dreher. Norton, New York, 1957. 128 pp. \$2.95.

*Neutron Cross Sections.* Donald J. Hughes. Pergamon Press, New York, 1957. 192 pp. \$5.

*Fear: Contagion and Conquest.* James Clark Moloney. Philosophical Library, New York, 1957. 153 pp. \$3.75.

*The Numbers of Man and Animals.* J. B. Cragg and N. W. Pirie, Ed. Oliver and Boyd (for the Institute of Biology), Edinburgh, 1957 (order from Macmillan, New York). 160 pp. \$2.75.

*Installing Electronic Data Processing Systems.* Richard G. Canning. Wiley, New York; Chapman & Hall, London, 1957. 203 pp. \$6.

*The Economics of Under-Developed Countries.* Peter T. Bauer and Basil S. Yamey. University of Chicago Press, Chicago, 1957. 284 pp. \$2.25.

*Biological Effects of Whole-Body Gamma Radiation on Human Beings (U).* Harold O. Davidson. Johns Hopkins Press (for Operations Research Office, Johns Hopkins University), Baltimore, 1957. 101 pp. \$3.

*Catalysis.* vol. 5, *Hydrogenation, Oxosynthesis, Hydrocracking, Hydrodesulfurization, Hydrogen Isotope Exchange and Related Catalytic Reactions.* Paul H. Emmett, Ed. Reinhold, New York; Chapman & Hall, London, 1957. 548 pp. \$15.

*Trends in Gerontology.* Nathan W. Shock. Stanford University Press, Stanford, Calif., ed. 2, 1957. 223 pp. \$4.50.

*The Inner Metagalaxy.* Harlow Shapley. Oxford University Press, London; Yale University Press, New Haven, Conn., 1957. 217 pp. \$6.75.

## Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

*Paralepididae II (Macroparalepis).* Taxonomy, ontogeny, phylogeny and distribution. Carlsberg Foundation's oceanographical expedition round the world 1928-30 and previous "Dana"-expeditions. Vilh. Ege. Carlsberg Foundation, Copenhagen, Denmark, 1957. Kr. 28.

*Botany.* Laboratory manual. Erich Steiner, Alfred S. Sussman, Warren H. Wagner, Jr. Dryden Press, New York, 1957. 260 pp. \$3.40.

*Digital Differential Analyzers.* George F. Forbes. The author, 10117 Bartee Ave., Pacoima, Calif., ed. 4, 1957. 175 pp. \$5.

*The Electrophysiology of the Heart.* Annals, vol. 65, art. 6. Hans H. Hecht, conference chairman and consulting editor. 494 pp. \$4.50. *Proteolytic Enzymes and Their Clinical Application.* vol. 68, art. 1. Gustav J. Martin, consulting editor and conference chairman. 224 pp. \$3.50. *Biological Applications of Infrared Spectroscopy.* vol. 69, art. 1. Robert P. Bauman, consulting editor. 254 pp. \$3.50. *Modern Ideas on Spontaneous Generation.* vol. 69, art. 2. Ross F. Nigrelli, conference chairman and consulting editor. 122 pp. \$2.50. *Second Conference on Sulfonamides.* vol. 69, art. 3. Perrin H. Long, consulting editor. 148 pp. \$3. *The Role of  $I^{131}$ -Labeled Proteins in Biology and Medicine.* vol. 70, art. 1. S. P. Masouredis, conference chairman and consulting editor. 152 pp. \$3. *Determination of  $SR^{90}$  and  $BA^{40}$  in Bone, Dairy Products, Vegetation, and Soil.* vol. 71, art. 2. H. L. Volchok, J. L. Kulp, W. R. Eckelmann, J. E. Gaetjen. 12 pp. \$0.75. *Transplantation of Fins in Xiphophorus Fishes.* vol. 71, art. 3. Klaus D. Kallman and Myron Gordon. 16 pp. \$0.75. New York Academy of Sciences, New York, 1957.

*A Restudy of the 1917 Eruption of Volcán Bóqueron, El Salvador, Central America.* Fieldiana: Geology, vol. 10. No. 30. Sharat Kumar Roy. 20 pp. \$0.75. *The Problems of the Origin and Structure of Chondrules in Stony Meteorites.* vol. 10, No. 31. Sharat Kumar Roy. 14 pp. \$0.50. Chicago Natural History Museum, Chicago, 1957.

*Eocene Mollusca from Nigeria: a Revision.* Bulletin, Geology, vol. 3, No. 2. Frank E. Eames. 48 pp. 25s. *A Revision of the Lake Victoria Haplochromis Species (Pisces, Cichlidae).* pt. II, H. Sauvagei (Pfeffer), H. Prodrum Trewavas, H. Granti Blgr., and H. Xenognatus, Sp. N. Bulletin, Zoology, vol. 5, No. 4. P. H. Greenwood. 22 pp. 8s. *Neuroptera and Trichoptera Collected by Mr. J. D. Bradley on Guadalcanal Island, 1953-54.* Bulletin, Entomology, vol. 5, No. 7. D. E. Kimmins. 22 pp. 7s. *Odonata Collected by Mr. J. D. Bradley on Guadalcanal Island, 1953-54.* Bulletin, Entomology, vol. 5, No. 8. D. E. Kimmins. 12 pp. 4s. The British Museum (Natural History), London, 1957.

*The Public Health Laboratory Service.* First report of the Expert Committee on Health Laboratory Methods. WHO Tech. Rept. Ser., No. 128. World Health Organization, Geneva, 1957. 49 pp. \$0.60.



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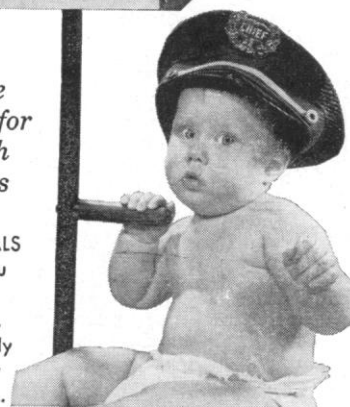
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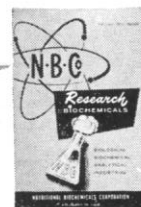
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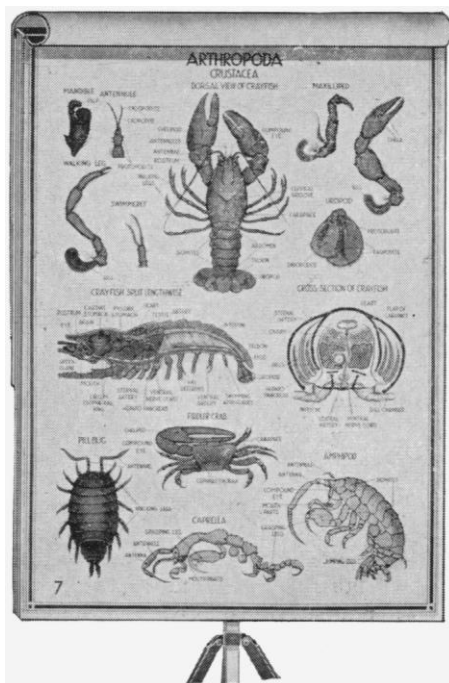
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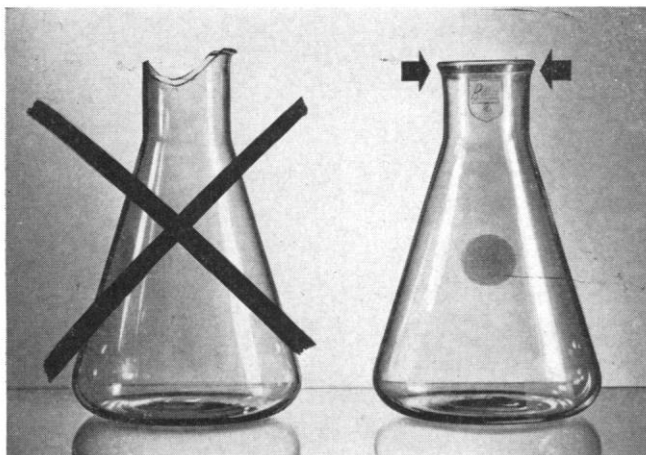
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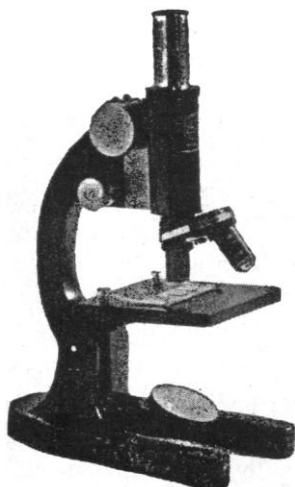
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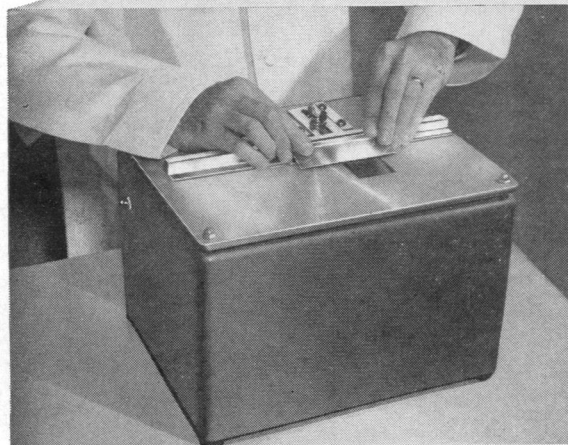


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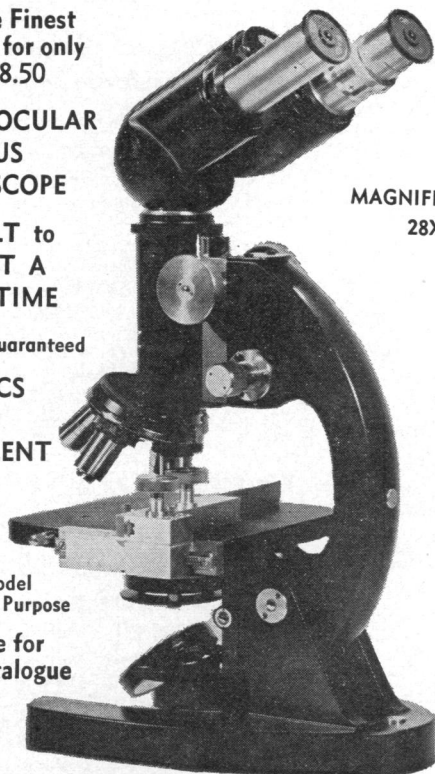
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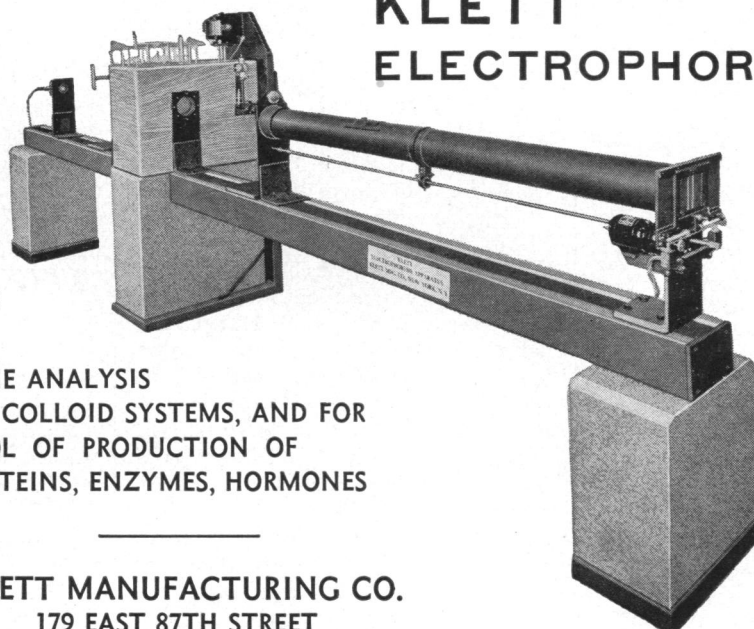
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