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at this symposium, the organizers included physiological nucleation processes; bone mineralization and gall stone formation were considered. The former area was reviewed by M. Glimcher (Harvard University), and his discussion turned out to be one of the highlights of the symposium. A brisk discussion following this paper centered around the form of calcium phosphate which nucleates at serum pH. Some of the participants felt that octocalcium phosphate was a metastable precursor to bone mineral; Glimcher felt that hydroxyapatite nucleated directly. Both factions agreed, however, that in physiological processes the nature of the initiating nucleus was dependent upon the protein substrate.

From general comments and discussion following the papers it seems that at least one of the major symposium aims, that of improving communication between various areas of nucleation study, was attained. The symposium was sponsored jointly by the National Science Foundation and Case Institute of Technology. Abstracts of the proceedings may be obtained from the undersigned.

A. G. WALTON

*Department of Chemistry,
Case Institute of Technology,
Cleveland, Ohio*

Forthcoming Events

June

19. Academy of Tuberculosis Physicians, New York, N.Y. (G. P. Bailey, 1295 Clermont, Denver 20, Colo.)

20. Society of Vascular Surgery, annual, New York, N.Y. (W. S. Edwards, Dept. of Surgery, Medical College of Alabama, Birmingham)

20-22. Society for Investigative Dermatology, 26th annual, New York, N.Y. (H. Beerman, 255 S. 17 St., Philadelphia, Pa.)

20-23. American Soc. of Agricultural Engineers, 58th annual, Univ. of Georgia, Athens. (J. L. Butt, P.O. Box 229, St. Joseph, Mich.)

20-24. American Soc. of Mammalogists, Winnipeg, Manitoba, Canada. (B. P. Glass, Dept. of Zoology, Oklahoma State Univ., Stillwater 74075)

20-24. American Soc. of Medical Technologists, Cincinnati, Ohio. (R. Matthaei, Suite 25, Hermann Professional Bldg., Houston, Tex. 77025)

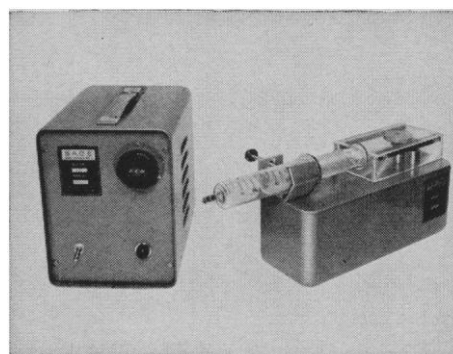
20-24. American Nuclear Soc., 11th natl., Gatlinburg, Tenn. (ANS, 244 East Ogden Ave., Hinsdale, Ill.)

20-24. Air Pollution Control Assoc., 58th annual, Toronto, Ont., Canada. (M. Katz, Dept. of Natl. Health and Welfare, 45 Spencer St., Ottawa, Ont.)

20-24. Aerospace, conf., Houston, Tex. (T. B. Owen, Douglas Aircraft Co., 300

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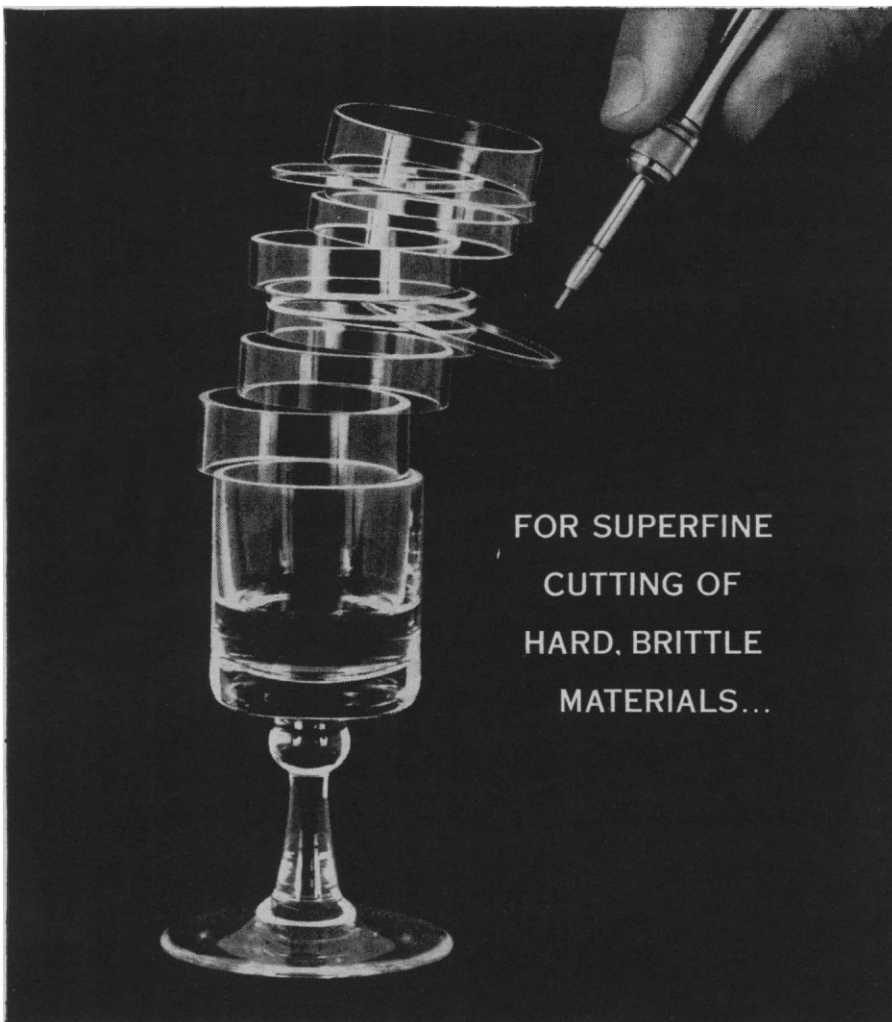
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Ocean Park Blvd., Dept. A2-260, Santa Monica, Calif.)

20-25. American Physical Therapy Assoc., Cleveland, Ohio. (L. Blair, 1790 Broadway, New York 10019)

20-25. Weights and Measures, natl. conf., Washington, D.C. (M. W. Jensen, Office of Weights and Measures, 203-213, Natl. Bureau of Standards, Washington, D.C. 20234)

21-22. Genetic Selection and Infectious Diseases, London, England. (Ciba Foundation, 41 Portland Pl., London, W.1)

21-22. Vacuum Metallurgy Div., American Vacuum Soc., 8th annual conf., New York, N.Y. (L. M. Bianchi, Refractomet Div., Universal-Cyclops Steel Corp., Bridgeville, Pa.)

21-23. Society for the Study of Development and Growth, annual, Carleton College, Northfield, Minn. (J. A. Schiff, Dept. of Biology, Brandeis Univ., Waltham, Mass.)

21-23. Luminescence Dosimetry, intern. conf., Stanford, Calif. (F. H. Attix, Code 7280, U.S. Naval Research Laboratory, Washington, D.C. 20390)

21-23. Heat Transfer and Fluid Mechanics, inst., Univ. of California, Los Angeles. (A. F. Charwat, Dept. of Engineering, Univ. of California, Los Angeles 90024)

21-24. Agricultural Inst. of Canada, Vancouver, B.C. (AIC, Central Office, 176 Gloucester St., Ottawa 4, Ont.)

21-24. Canadian Soc. of Animal Production, annual, Vancouver, B.C. (J. A. Newman, CSAP, Experimental Farm, Lacombe, Alta.)

21-24. Automatic Control in Peaceful Uses of Space, intern. symp., Stavanger, Norway. (J. A. Aseltine, Aerospace Corp., P.O. Box 95085, Los Angeles, Calif.)

21-24. Fuel Cells, intern. symp., Brussels, Belgium. (Mr. Vanleughenaghe, S.E.R.A.I., 1091, chaussee d'Alsemberg, Brussels 18)

21-25. Canadian Anaesthetists' Soc., annual, Charlottetown, Prince Edward Island. (S. M. Campbell, 178 St. George St., Toronto 5, Ont.)

21-25. Carbon, 7th biennial conf., Case Inst. of Technology, Cleveland, Ohio. (W. W. Lozier, Union Carbide Corp., Carbon Products Div., P.O. Box 6116, Cleveland, Ohio 44101)

21-25. Engineering Education, world congr., Chicago, Ill. (American Soc. for Engineering Education, Univ. of Illinois, Urbana)

21-26. AAAS Pacific Div., Riverside, Calif. (R. C. Miller, California Acad. of Sciences, Golden Gate Park, San Francisco 18)

The following societies plan to meet in conjunction with the AAAS Pacific Div.:

American Meteorological Soc. (J. E. Miller, New York Univ., New York)

American Nature Study Soc. (B. O. Bergh, Univ. of California, Riverside)

American Phytopathological Soc., Pacific Div. (C. E. Horner, Oregon State Univ., Corvallis)

American Soc. for Horticultural Science, western regional (C. K. Labanauskas, Univ. of California, Riverside)

American Soc. of Ichthyologists and Herpetologists, western div. (R. Røsen-

blatt, Scripps Institution of Oceanography, La Jolla, Calif.)

American Soc. of **Limnology and Oceanography**, Pacific Div. (J. G. Pattullo, Oregon State Univ., Corvallis)

American Soc. of **Plant Physiologists**, western section (M. Mazelis, Univ. of California, Davis)

American **Statistical Assoc.** (E. King, Pacific Telephone Co., Los Angeles, Calif.)

Biometric Soc. western North America Div. (F. S. McFeely, Montana State College, Bozeman)

Botanical Soc. of America, Pacific section (J. R. Stein, Univ. of California, Berkeley)

Ecological Soc. of America, western section (H. G. Baker, Univ. of California, Berkeley)

Institute of **Food Technologists** (H. Lineweaver, Western Regional Research Laboratory, Albany, Calif.)

Western Soc. of **Soil Science** (R. Miller, Utah State Univ., Logan)

22. National Assoc. of **Science Writers**, New York, N.Y. (H. Nelson, Los Angeles Times, Los Angeles, Calif.)

22-24. **Research Problems in the Physics of X-ray Spectra**, Ithaca, N.Y. (H. W. Schnopper, Dept. of Physics, Cornell Univ., Ithaca)

22-25. Joint **Automatic Control**, 6th conf., Rensselaer Polytechnic Inst., Troy, N.Y. (J. L. Shearer, Mechanical Engineering Dept., Pennsylvania State Univ., University Park)

22-25. American **Home Economics Assoc.**, 56th annual, Atlantic City, N.J. (Mrs. J. Gaines, AHEA, 1600 20th St., NW, Washington, D.C. 20009)

23-25. Association of French Speaking **Dermatologists and Venereologists**, 12th congr., Paris, France. (G. Garnier, Assoc. des Dermatologistes et Syphiligraphes de Langue Française, 14, rue Cimara, Paris)

24-26. British Soc. of **Urological Surgeons**, London, England. (J. P. Mitchell, 21 St. John St., Manchester 3, England)

24-26. **Small-Angle X-Ray Scattering**, conf., Syracuse, N.Y. (H. Brumberger, Chemistry Dept., Syracuse Univ., Syracuse, N.Y. 13210)

24-27. **Biochemistry and Physiology of Alkaloids**, 3rd intern. symp., Halle/Saale, Germany. (Deutsche Akademie der Wissenschaften zu Berlin, Weinbergweg Hall an der Salle, East Germany)

25. American **Laryngological, Rhinological and Otological Soc.**, New York, N.Y. (V. R. Alfano, 917 20th St., NW, Washington, D.C.)

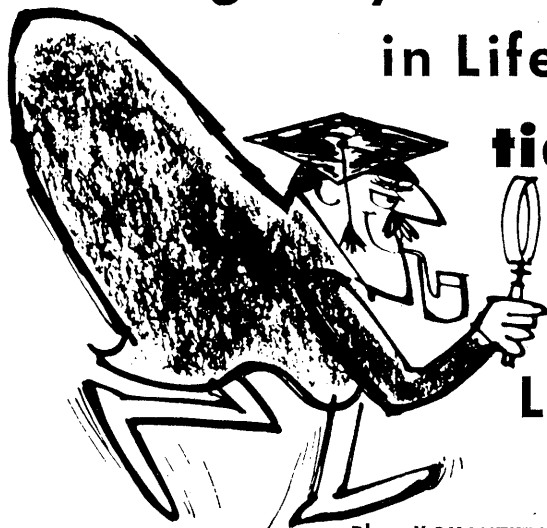
25-26. **Veterinary Education**, natl. symp., Univ. of Georgia, Athens. (J. T. Mercer, School of Veterinary Medicine, Univ. of Georgia, Athens)

25-10. Pan American Committee of **Geophysical Sciences**, 1st meeting, Guatemala City, Guatemala. (General Secretariat, Pan American Inst. of Geography and History, Ex-Arzobispado 29, Mexico, D.F.)

26-3. International **Dental Federation**, 53rd, Vienna, Austria. (G. H. Leatherman, 35 Devonshire Pl., London, W.1, England)

27-29. **Smoking and Health**, 1st intern. congr., New York, N.Y. (W. A. Scharf-fenberg, 6830 Laurel St., NW, Washington, D.C. 20012)

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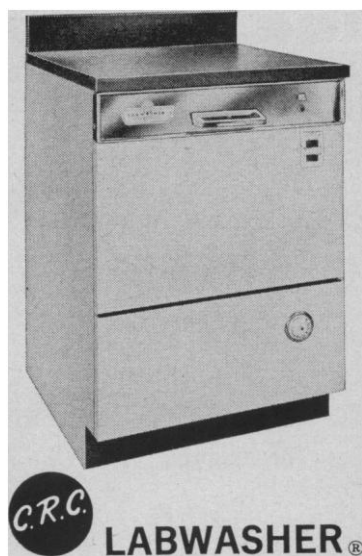
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27-30. **Botanical Soc. of America**, Northeastern Section, summer field meeting, Univ. of Maine, Orono. (R. K. Zuck, Dept. of Botany, Drew Univ., Madison, N.J.)

27-30. Canadian **Pediatric Soc.**, annual, Ottawa, Ont. (CPS, 14 Green Ave., St. Lambert, Quebec)

27-2. American **Crystallographic Assoc.**, Gatlinburg, Tenn. (W. L. Kehl, Gulf Research and Development Co., P.O. Box 2038, Pittsburgh, Pa.)

27-2. **Mineralogical Soc. of America**, Gatlinburg, Tenn. (G. Switzer, U.S. Natl. Museum, Washington, D.C.)

27-2. **New Industrial Technologies**, engineering seminar, Pennsylvania State University, University Park. (Continuing Education Conference Center, Pennsylvania State Univ., University Park 16802)

28-29. **Hepatology**, 4th intern. symp., Chianciano Terme, Italy. (Secretariat, via Nicolò Porpora 9, Rome)

28-30. **Genetics of Congenital Norformations**, symp., Bratislava, Czechoslovakia. (F. Hrabal, Foreign Relations Dept., Czechoslovak Acad. of Sciences, Národní tr. 3, Prague 1)

28-30. **Electromagnetic Compatibility**, 7th annual symp., New York, N.Y. (Inst. of Electrical and Electronics Engineers, Electromagnetic Compatibility Group, Box A, Lenox Hill Station, New York 10021)

28-30. **Electromagnetic Scattering**, conf., Univ. of Massachusetts, Amherst. (R. S. Stein, Polymer Research Inst., Univ. of Massachusetts, Amherst)

28-30. **Relaxation Techniques in Chemical Kinetics**, symp., State Univ. of New York, Buffalo. (Mrs. E. E. Schmidt, 193 Hayes Hall, State Univ. of New York, Buffalo 14214)

28-30. **Physics of Quantum Electronics**, conf., San Juan, P.R. (P. L. Kelley, M.I.T. Lincoln Laboratory, Lexington, Mass. 02173)

28-1. **High Temperatures**, intern. symp., Paris, France. (Prof. Flahaut, Faculté de Pharmacie, 4, avenue de l'Observatoire, Paris 6^e)

28-1. American **Orthopaedic Assoc.**, Hot Springs, Va. (L. R. Straub, 535 E. 70 St., New York 10021)

28-2. **Vacuum**, 3rd intern. congr., Stuttgart, Germany. (H. Adam, 5 Köln-Bayental, Postfach 195, West Germany)

28-3. **Insect Biochemistry**, U.S.-Japan Cooperative Science Program seminar, Chiba, Japan (invitation only). (Office of Intern. Science Activities, Natl. Science Foundation, Washington, D.C.)

29. National Council of **Teachers of Mathematics**, New York, N.Y. (J. D. Gates, NCTM, 1201 16th St., NW, Washington, D.C. 20036)

29-1. **Mutant Mice with Neurological Diseases**, conf., Jackson Laboratory, Bar Harbor, Maine. (J. L. Fuller, Jackson Laboratory, Bar Harbor)

29-2. **Data Processing Management Assoc.**, intern. conf., Philadelphia, Pa. (Conference Registrar, Data Processing Management Assoc., P. O. Box 1079, Philadelphia 19105)

30-2. **Microwave Applications of Semiconductors**, symp., University College, London, England. (Symposium Secretary, Inst. of Electronic and Radio Engineers, 8-9 Bedford Square, London, W.C.1)

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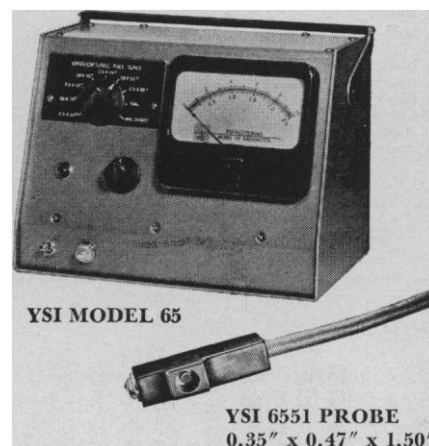
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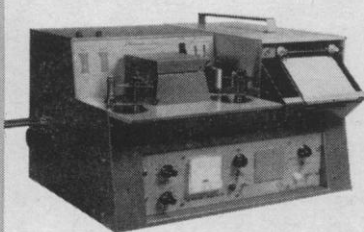
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30-3. National Soc. of Professional Engineers, annual, Albuquerque, N.M. (NSPE, 2029 K St., NW, Washington, D.C.)

July

1-4. Astronomical League, Miami, Fla. (A. P. Smith, Jr., 1601 S.W. 10th St., Miami)

1-10. General Relativity and Gravitation, intern. conf., London, England. (H. Bondi, Dept. of Mathematics, King's College, London, W.C.2)

1-1 August. Theoretical Biology and Theoretical Biophysics, Colorado State Univ. colloquium, Fort Collins. (H. J. Morowitz, Dept. of Molecular Biology and Biophysics, Box 2166, Yale Station, New Haven, Conn.)

2-3. British Soc. for Immunology, summer meeting, Glasgow, Scotland. (I. Roitt, Courtauld Inst., Middlesex Hospital, London W.1, England)

2-4. Astronomical League, Milwaukee, Wis. (W. M. DuVall, 518 Emmertsen Rd., Racine, Wis. 53406)

2-5. Meteorological Data Processing, Uccle and Brussels, Belgium. (World Meteorological Organization, 41, avenue Giuseppe Motta, Geneva, Switzerland)

2-9. International Union of Pure and Applied Chemistry, 23rd conf. Paris, France. (R. Morf, c/o F. Hoffman-La Roche, Ltd., Grenzacherstr. 124, Basel, Switzerland)

4-10. American Library Assoc., annual, Detroit, Mich. (D. H. Clift, American Library Assoc., 50 E. Huron St., Chicago, Ill.)

5-6. Low-Level Radioactivity Measurements, symp., London, England. (N. G. Trott, Physics Dept., Royal Marsden Hospital, Surrey Branch, Downs Rd., Sutton, Surrey, England)

5-7. Astrophysical, intern. symp., Liege, Belgium. (P. Swings, Inst. D'Astrophysique, Cointe-Sclessin, Belgium)

5-7. American Soc. of Heating, Refrigerating, and Air-Conditioning Engineers, Portland, Ore. (R. C. Cross, 345 E. 47 St., New York 10017)

5-10. French Soc. for the Advancement of Science, 84th annual congr., Tours. (The Association, 28 rue Serpente, Paris 6^e, France)

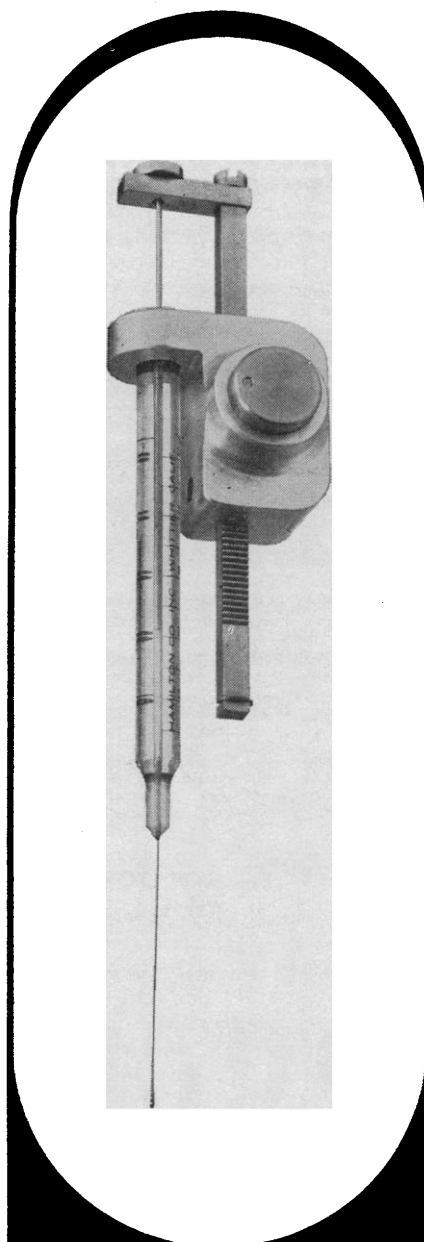
5-6. Aug. American Mathematical Soc., summer inst. on algebraic groups and discontinuous subgroups, Boulder, Colo. (G. L. Walker, 190 Hope St., Providence, R.I. 02906)

6-8. Water Resources Research, western conf. Colorado State University, Fort Collins. Office of Conference Services, 204 Administration Bldg., Colorado State Univ., Fort Collins 80521)

6-9. American Dental Soc. of Europe, annual, Florence, Italy. (A. Sturridge, 35 Harley St., London W.1, England)

6-9. Microscopy, 12th intern. symp., Sheffield, England. (MICRO-65, McCrone Research Inst., 451 E. 31 St., Chicago, Ill. 60616)

6-10. Plant Viruses, 5th intern. conf., Wageningen, Netherlands. (State Agricultural Univ. of Wageningen, Laboratory of Virology, Salverdplein 10, Wageningen)



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7-9. **Molecular Relaxation Processes**, symp., Aberystwyth, Wales. (General Secretary, Chemical Soc., Burlington House, London W.1, England)

7-11. Society for the Study of **Fertility**, annual, Edinburgh, Scotland. (C. A. Simmons, 129 Harley St., London, W.1)

8-16. **British Medical Assoc.**, annual, Swansea, England. (D. Gullick, BMA, Tavistock Sq., London, W.C.1)

9-11. **Heat Flow below 100°K**, and Its Technological Applications, Grenoble, France. (J. Wilks, Commission 1, Intern. Inst. of Refrigeration, c/o Clarendon Laboratory, Parks Rd., Oxford, England)

10-17. **Education and Health**, intern. conf., Madrid, Spain. (L. P. Aujoulat, 1 rue de Tilsit, Paris 8°)

11-15. **Psychoanalysis**, 2nd intern. forum, Zurich, Switzerland. (G. Chrzanowski, 4 E. 95 St., New York 10028)

11-15. **American Veterinary Medical Assoc.**, annual, Portland, Ore. (AVMA, Dept. of Public Information, 600 S. Michigan Ave., Chicago 5, Ill.)

12-14. **Biological Sciences** symp., 16th annual, Univ. of Michigan, Ann Arbor. (L. B. Mellett, Dept. of Pharmacology, Univ. of Michigan Medical School, Ann Arbor)

12-14. **Physiology and Biochemistry of Muscle as a Food**, symp., University of Wisconsin, Madison. (E. J. Briskey, College of Agriculture, Univ. of Wisconsin, Madison 53706)

12-15. **Japan Soc. of Constitutional and Diathetic Medicine**, congr., Kyoto, Japan. (The Society, Dept. of Pathology, Kyoto Univ., Kyoto)

12-15. **Nuclear and Space Radiation Effects**, annual conf., Univ. of Michigan, Ann Arbor. (S. C. Rogers, Radiation Effects Dept., 5312, Sandia Corp., Albuquerque, N.M.)

12-17. **Spectroscopy**, 12th intern. colloquium, University of Exeter, Exeter, England. (C. E. Arregger, 1 Lowther Gardens, Prince Consort Rd., London, S.W.7, England)

12-18. **Pure and Applied Chemistry**, 20th intern. congr., Moscow, U.S.S.R. (N. A. Kleimenov, Inst. of Chemical Physics, Acad. of Sciences, Vorobyevskoye chaussee 2-b, Moscow)

13-15. **Aerospace Vehicle Flight Control**, Soc. of Automotive Engineers/NASA conf., Los Angeles, Calif. (SAE, 485 Lexington Ave., New York 10017)

13-16. **Royal Medico-Psychological Assoc.**, annual, Glasgow, Scotland. (RMPA, 11 Chandos St., London W.1, England)

14-15. **Reinforced Plastics**, regional conf., Soc. of Plastics Engineers, Seattle, Wash. (J. B. Meyer, RETEC Registration, c/o J. B. Meyer Co., P.O. Box 6664, Seattle)

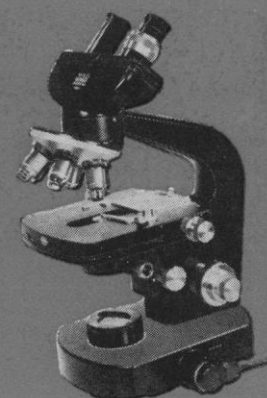
15-16. **Water Quality Management in River and Reservoir Systems**, hydraulic engineering research aspects, seminar, Vanderbilt Univ., Nashville, Tenn. (W. H. Wisely, American Soc. of Civil Engineers, 345 East 47 St., New York 17)

15-18. **Properties and Applications of Low Temperature Plasma**, symp., Moscow, U.S.S.R. (E. S. Starkman, College of Engineering, Univ. of California, Berkeley)

15-21. **Education of Professional Physicists**, intern. conf., London, England.

11 JUNE 1965

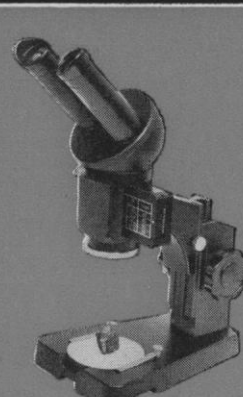
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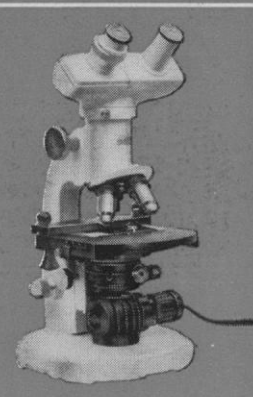
Wild M-20
Research Microscope



Wild M-5
Stereomicroscope

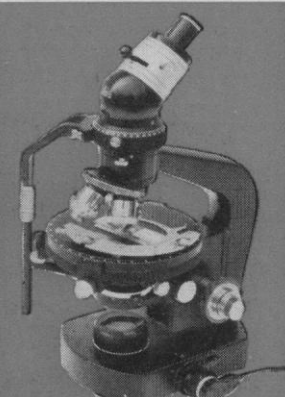


Wild M-4
Stereomicroscope



Wild M-11
School/Laboratory
Microscope

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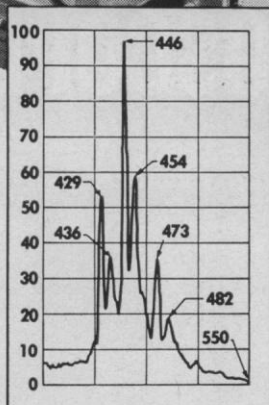
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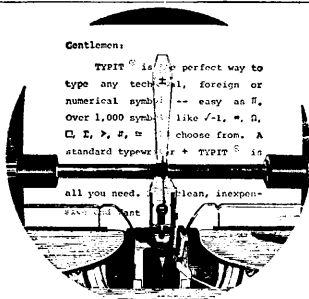
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18-24. **Ophthalmic-Optical** Congr., Dublin, Ireland. [E. Pemberton, Assoc. of Ophthalmic Opticians (Ireland), 11 Harrington St., Dublin]

19-21. **Surgery of the Hand**, 1st intern. congr., Rio de Janeiro, Brazil. (Sociedade Brasileira de Mão, Rio de Janeiro)

19-21. **Swine in Biomedical Research**, intern. symp., Richland, Wash. (L. K. Bustad, Biology Dept., Battelle-Northwest, P.O. Box 999, Richland 99352)

19-22. **Association of Food and Drug Officials of the U.S.**, 69th annual, New York, N.Y. (The Association, P.O. Box 9095, Austin, Tex.)

19-22. **Space**, 5th European symp., Munich, Germany. (Executive Secretary, British Interplanetary Soc., 12, Bessborough Gardens, London, S.W.1, England)

19-23. **Study of Nuclear Structure with Neutrons**, intern. conf., Antwerp, Belgium. (M. Neve de Mevergnies, Neutron Physics Dept., CEN-CSK, Mol, Belgium)

19-23. **Society for Analytical Chemistry**, conf., Nottingham, England (C. A. Johnson, 14 Belgrade Sq., London, S.W., England)

20-23. **American Malacological Union**, Wagner College, New York, N.Y. (J. J. Parodiz, Carnegie Museum, Pittsburgh, Pa.)

21-31. **Mental Health**, 5th Caribbean conf., Fort-de-France, Martinique, French West Indies. (Caribbean Federation for Mental Health, Mme. Charles Saint-Cyr, Ravine Vilaine, Fort-de-France)

22-24. **International Assoc. for Dental Research**, 43rd general meeting, Toronto, Ont., Canada. (G. H. Rovelstad, U.S. Navy Dental School, Natl. Naval Medical Center, Bethesda, Md.)

22-26. **Rorschach and Projective Methods**, 6th intern. congr., Paris, France. (A. Morali-Daninos, 7 avenue Trudaine, Paris 9^e)

22-27. **Thermodynamics of Nuclear Materials and Atomic Transport in Solids**, Vienna, Austria. (C. E. Holley, Jr., Div. of Research and Laboratories, Intern. Atomic Energy Agency, Kärntnering 11, Vienna 1)

24-4. **Sept. Organism-Sediment Interrelationship**, NSF seminar, Bermuda Biological Station. (K. E. Chave, Marine Science Center, Lehigh Univ., Bethlehem, Pa. 18015)

25-28. **American Assoc. of Dental Schools**, Toronto, Canada. (C. V. Rault, Georgetown Univ., Washington, D.C.)

25-29. **Pacific Dermatologic Assoc.**, Portland, Ore. (G. MacDonald, 4294 Orange St., Riverside, Calif.)

25-30. **Neurochemical**, intern. conf., Oxford, England. (J. N. Cummings, Dept. of Chemical Pathology, Natl. Hospital, Queen Sq., London, W.C.1, England)

25-30. **International Psycho-Analytical Assoc.**, 24th congr., Amsterdam, Netherlands. (R. P. McKnight, Austin Riggs Center, Stockbridge, Mass.)