

interesting problems arising in the reaction of the primary species with organic molecules. In this area of research the interests of the chemists and biologists overlap. Of principal interest will be the effect of structure and molecular configuration on the rate constants of the hydroxyl radical and hydrated electron. Pulsed electron beam and spectroscopic techniques are most helpful for the measurement of these rate constants and for the identification of intermediates. The methods of isotopic tracer and chromatographic analysis are also being widely exploited in the separation and analysis of fragments derived from the radiolysis of large molecules. Considerable progress can be expected in understanding the reaction mechanisms of the hydrogen atom, hydrated electron, and hydroxyl radical.

This conference was sponsored by the National Academy of Sciences-National Research Council and supported by the U.S. Atomic Energy Commission. The proceedings of this conference will be published as a supplement to *Radiation Research*.

E. J. HART

Chemistry Division, Argonne
National Laboratory, Argonne, Illinois

Forthcoming Events

August

3-7. **Contact Lens**, 2nd world congr., Chicago, Ill. (H. G. Klene, 18 S. Michigan Ave., Chicago 3)

3-10. **International Esperanto Congr.**, Sofia, Bulgaria. (R. A. Lewin, Scripps Institution of Oceanography, La Jolla, Calif.)

4-7. **Heat Transfer**, 6th natl. conf., Boston, Mass. (D. Q. Kern, 7016 Euclid Ave., Cleveland 3, Ohio)

4-9. **Aerospace Support**, intern. conf. and exhibit, Washington, D.C. (I.E.E.E., Box 6635, Washington 9)

5-7. **Western Resources Conf.**, 5th annual, Fort Collins, Colo. (N. Evans, Dept. of Agricultural Engineering, Colorado State Univ., Fort Collins)

5-9. **Lattice Dynamics**, intern. conf., Copenhagen, Denmark. (S. Lundqvist, Dept. of Mathematical Physics, Chalmers Univ. of Technology, Gibraltargatan 58, Göteborg S, Sweden)

5-23. **Relativity in College Physics**, Ithaca, N.Y. (T. J. Peterson, Jr., Dept. of Physics, Cornell Univ., Ithaca, N.Y.)

5-30. **Engineering Foundation Research Conf.**, Andover, N.H. (H. K. Work, Engineering Foundation, 345 E. 47 St., New York 17)

6-9. **Hydraulics**, 12th natl. conf., University Park, Pa. (Continuing Education Conf. Center, Pennsylvania State Univ., University Park)

7-9. **X-Ray Analysis Applications**, 12th

annual conf., Denver, Colo. (Metallurgy Div., Denver Research Inst., Univ. of Denver, Denver 10)

9-15. **Nutrition**, 6th intern. congr., Edinburgh, Scotland. (A. B. Meikeljohn, Dept. of Clinical Chemistry, Royal Infirmary, Univ. of Edinburgh, Edinburgh 3)

11-14. **American Soc. of Pharmacology and Experimental Therapeutics**, San Francisco, Calif. (H. G. Mandel, Dept. of Pharmacology, George Washington Univ., Washington, D.C.)

11-15. **American Soc. of Animal Science**, Corvallis, Ore. (J. E. Oldfield, Oregon State Univ., Corvallis)

11-16. **Gerontology**, 6th intern. congr., Copenhagen, Denmark. (Danmarks Inter-

nationale Studenterkomit, Congr. Service, 19 Sankt Peders Straede, Copenhagen K, Denmark)

11-17. **Industrial Research**, 14th conf., Harriman, N.Y. (R. T. Livingston, School of Engineering and Applied Science, Columbia Univ., New York 27)

12-14. **Electromagnetic Waves** (vlf), Ionospheric Propagation, symp., Boulder, Colo. (Mrs. D. Belsher, Room 3420, Natl. Bureau of Standards, Boulder)

12-15. **Care of Mentally Defective Persons**, intern. congr., Oslo, Norway. (Bestyrelsen for Ostifternes Aandsvægeforsøg, Fredericksbgade 19, 3 sal., Copenhagen K, Denmark)

12-16. **Results of International Geo-**

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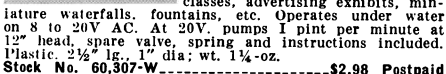
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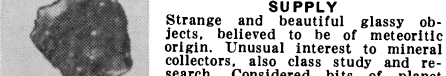
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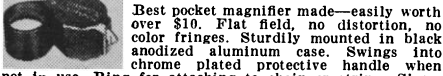
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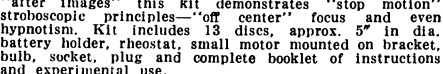
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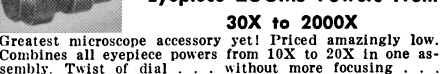
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physical Year, symp., Los Angeles, Calif. (C. Harris, Administration Bldg., Room 1104, Univ. of California, Los Angeles 24)

12-17. American **Ornithologists** Union, Gainesville, Fla. (L. H. Walkinshaw, 1703 Wolverine Federal Tower, Battle Creek, Mich.)

12-30. Canadian **Mathematical** Congr., 2nd seminar, Saskatoon, Sask., Canada. (L. F. S. Ritcey, Sherbrooke Avenue West, Montreal, Que., Canada)

14-16. **Gas Dynamics**, 5th symp., Evanston, Ill. (Gas Dynamics Laboratory, Northwestern Univ., Evanston)

14-17. **Communication** processes, symp., Washington, D.C. (D. Almy, Psychological and Social Science Div., Room 3E 1037, Pentagon, Washington 25)

14-21. **Veterinary** Congr., 17th, Hanover, Germany. (H. Merkt, Tierärztliche Hochschule, Hans-Böckler-Allee 16, Hanover)

15-17. International College of **Surgeons**, European Federation congr., Helsinki, Finland. (ICS, 1516 Lake Shore Dr., Chicago 10, Ill.)

15-30. International Assoc. of **Meteorology and Atmospheric Physics**, 13th general assembly, Berkeley, Calif. W. L. Godson, Meteorological Office, 315 Bloor St. West, Toronto 5, Ont., Canada)

18-22. **Health**, 12th annual conf., University Park, Pa. (E. J. Kusko, Dept. of Health, P.O. Box 90, Harrisburg, Pa.)

19-21. **Cryogenic Engineering** Conf., Boulder, Colo. (K. T. Timmerhaus, Chemical Engineering Dept., Univ. of Colorado, Boulder)

19-23. **Clinical Chemistry**, 5th intern. congr., Detroit, Mich. (D. G. Remp, Henry Ford Hospital, Detroit 2)

19-25. **Electrochemical Thermodynamics and Kinetics**, 14th, Moscow, U.S.S.R. (Secretary General, Swiss Federated Institute of Technology, Dept. of Industrial and Engineering Chemistry, Universitätstr. 6, Zurich 6)

19-30. **Macromolecules**, statistical theory, seminar, Hanover, N.H. (Dean of Summer Programs, P.O. Box 833, Hanover)

19-31. **Geodesy and Geophysics**, 13th general assembly, Berkeley, Calif. (W. E. Smith, AGU, 1515 Massachusetts Ave. NW, Washington 5)

20-23. Western **Electronic** Show and Conf., San Francisco, Calif. (J. D. Noe, WESCON, 701 Welch Rd., San Francisco)

20-24. **Poultry Science** Assoc., Stillwater, Okla. (W. E. Shaklee, Cooperative State Experiment Station Service, USDA, Washington 25)

20-26. **Psychology**, 17th intern. congr., Washington, D.C. (American Psychological Assoc., 1333 16th St. NW, Washington 6)

20-26. **Zoological Nomenclature**, intern. committee meeting, Washington, D.C. (W. E. China, British Museum of Natural History, Cromwell Rd., London S.W.1)

20-27. **Zoology**, 16th intern. congr., Washington, D.C. (Secretary of the Congress, Natl. Acad. of Sciences, 2101 Constitution Ave., NW, Washington 25)

21-23. **Biochemical** Conf., Pacific Slope annual, Honolulu, Hawaii. (P. E. Wilcox, Dept. of Biochemistry, Univ. of Washington, Seattle 5)

21-29. International Conf. on **Population**, Ottawa, Ont., Canada. (B. Benjamin, Intern. Union for the Scientific Study of

Population, General Register Office, Somerset House, London W.C.2, England)

22-24. National Council of Teachers of **Mathematics**, Pittsburgh, Pa. (E. G. Begle, Stanford Univ., Stanford, Calif.)

25-28. **Soil Conservation** Soc. of America, Logan, Utah. (H. W. Pritchard, Soil Conservation Soc., 7515 Northeast Ankeny Rd., Ankeny, Iowa)

25-29. **Medical** Correctional Assoc., Portland, Ore. (F. L. Rouke, 14 Studio Arcade, Bronxville, N.Y.)

26-28. Simulation for **Aerospace Flight**, specialists meeting, Columbus, Ohio. (Inst. of the Aerospace Sciences, 2 E. 64 St., New York 21)

26-28. **Superconductivity**, intern conf., Hamilton, N.Y. (R. W. Schmitt, General Electric Research Laboratory, P.O. Box 1088, Schenectady, N.Y.)

26-29. American **Sociological** Assoc., Los Angeles, Calif. (T. Parsons, Dept. of Social Relations, Harvard Univ., Cambridge 38, Mass.)

26-30. American **Mathematical** Soc., 68th summer, Boulder, Colo. (Mrs. R. Drew-Bear, Special Projects Dept., AMS, 190 Hope St., Providence 6, R.I.)

26-30. **Rheology**, 4th intern. congr., Providence, R.I. (R. S. Rivlin, Brown Univ., Providence 12)

26-30. **Solar Spectrum**, intern. symp., Utrecht, Netherlands. (C. de Jager, Theoretical Dept., Sterrewacht, Servaasbolwerk 13, Utrecht)

26-31. **Haematology**, European Soc., 9th congr. Lisbon, Portugal. (Secretary, Haematology Congr., Dept. of Haematology, Inst. of Tropical Medicine, Lisbon, Portugal)

27-30. **Alaskan Science** Conf., Anchorage. (A. H. Mick, Alaska Agricultural Experiment Station, Palmer)

27-30. American **Physiological** Soc., Coral Gables, Fla. (M. Edwards, Physiology Dept., Univ. of Miami School of Medicine, Coral Gables 34)

27-30. **Computing Machinery** Assoc., natl. conf., Denver, Colo. (F. P. Venditti, Univ. of Denver, Denver 10)

27-31. American Inst. of **Biological Sciences**, Amherst, Mass. (R. A. Jester, Dept. of Floriculture, Univ. of Massachusetts, Amherst)

27-4. **Automatic Control**, 2nd intern. congr., Basel, Switzerland. (A. von Schulthess, Wasserwerkstr. 53, Zurich 6, Switzerland)

28-31. **Electron Microscope** Soc. of America, 21st annual, Denver, Colo. (V. L. Van Breemen, Mercy Inst. for Biomedical Research, 2920 E. 16 Ave., Denver 6)

28-4. **British Assoc. for the Advancement of Science**, Aberdeen, Scotland. (Sir G. Allen, Burlington House, Piccadilly House, London, England)

29-30. **Solvation** Phenomena, symp., Calgary, Alberta, Canada. (P. J. Krueger, Dept. of Chemistry, Univ. of Alberta, Calgary)

29-31. **Pollen Physiology and Fertilization**, symp., Nijmegen, Netherlands. (H. F. Linskens, Dept. of Botany, Univ. of Nijmegen, Driehuizerweg 200, Nijmegen)

29-4. American **Psychological** Assoc., Philadelphia, Pa. (E. B. Newman, Memorial Hall, Harvard Univ., Cambridge 38, Mass.)