

served in human placentas from non-smokers after normal childbirth. However, these enzymes were found in placentas obtained from smokers.

K. H. Palmer described the metabolism of norethindrone which, in sharp contrast to norethynodrel, was metabolized only to a limited extent. The metabolites of norethynodrel in animals and man were identified and their structures confirmed by unequivocal synthesis.

M. S. Fahim and D. G. Hall suggested that progesterone affects the livers of sexually mature female rats in a manner similar to phenobarbital, causing increased liver weight, hepatic demethylation, hepatic microsomal protein, and excretion of ascorbic acid in the urine. Although progesterone appears to function as an enzyme inducer in adult female rats, a reverse effect is noted in males.

Using the techniques of gas chromatography and an elegant combined technique employing gas chromatography-mass spectroscopy with an on-line computer, M. M. Horning and R. Hill provided a method for following the excretion of drugs and drug metabolites and the effect of drugs on normal metabolic pathways. These procedures provide permanent records which can be reexamined as additional information is accumulated.

From spatial considerations of molecular models of the drugs studied, P. Talalay and E. Bueding have defined with some precision the conformation of the drug at the active site of the enzymes. They provided evidence that structural analogies between chemicals need to be refined to also include careful consideration of configurational and electronic properties of molecules.

D. J. Holbrook described experiments on the interaction of a drug with nucleic acids which suggest plausible sites for the mechanism of action of a given drug. The binding of chloroquine and 8-aminoquinolines to DNA, RNA, and various polynucleotides was demonstrated by this group using physical techniques.

Surveillance studies conducted by H. Jick revealed that otherwise healthy females receiving oral contraceptives have a higher risk of developing thromboembolism if they are blood type A, B, or AB, as compared with blood type O. His group is operating a comprehensive drug surveillance program to obtain quantitative data on the efficacy and toxicity of drugs as they are used in hospitalized patients.

Additional findings which he also reported were (i) that elderly females have an increased tendency to bleed during heparin therapy and (ii) that intravenous ethacrynic acid, a recently marketed drug, produces gastrointestinal bleeding.

J. A. Oates reported that tricyclic antidepressant drugs will inhibit the mechanism that concentrates guanethedine in the neuron terminal and thereby prevent its pharmacologic action. The antihypertensive effect of guanethedine can be prevented when drugs such as desipramine are given concomitantly. Because methyl dopa is transported into the neuron by a different mechanism, its antihypertensive action is not inhibited by therapeutic doses of desipramine in man. Amphetamine-like drugs will not only block the effect of guanethedine but will actually release it from its storage sites in the neuron.

Since publication of all the research findings supported by the Pharmacology-Toxicology Program of the National Institute of General Medical Sciences, National Institutes of Health, is anticipated, formal proceedings will not be published.

GEORGE J. COSMIDES

*National Institute of General Medical Sciences, National Institutes of Health, Bethesda, Maryland 20014*

## Forthcoming Events

### June

22-23. Conference on **Health Records**, Columbus, Ohio. (E. C. Stephenson, Assoc. for Health Records, P.O. Box 432, Ann Arbor, Mich. 48107)

22-24. International Conf. on the Role of **Tryptophan Metabolism in Biochemistry and Pathology**, Madison, Wis. (T. C. Meyer, Univ. of Wisconsin, Madison)

22-25. Canadian Soc. of **Agronomy**, Ottawa, Ont. (R. Loiselle, Ottawa Research Sta., Central Experimental Farm, Ottawa)

22-25. Symposium on **Bioinorganic Chemistry**, Blacksburg, Va. (R. E. Dessy, Dept. of Chemistry, Virginia Polytechnic Inst., Blacksburg 24061)

22-25. National **Colloid Symp.**, 44th, Bethlehem, Pa. (S. I. Connor, Lehigh Univ., Bethlehem 18015)

22-25. Canadian Soc. of **Horticultural Science**, Ottawa, Ont. (E. C. Loughheed, Dept. of Horticulture, Univ. of Guelph, Guelph, Ont.)

22-25. American Assoc. of **Petroleum Geologists**, Calgary, Alta., Canada. (J. M. Browning, Tenneco Oil and Minerals, P.O. Box 1051, Calgary)

22-25. Canadian Soc. of **Soil Science**, Ottawa, Ont. (A. R. Mack, Central Experimental Farm, Ottawa)

22-25. **Thyroid Conf.**, 6th annual, Vienna, Austria. (R. Hofer, c/o Wiener Medizinische Akademie, Alserstrasse 4, A-1090, Vienna)

22-26. American Assoc. of **Avian Pathologists**, Inc., Las Vegas, Nev. (G. H. Snoeyenbos, Univ. of Massachusetts, Amherst 01002)

22-27. **Mathematical Statistics and Probability**, 6th, Berkeley, Calif. (E. L. Scott, Dept. of Statistics, Univ. of California, Berkeley 94720)

23-26. State of the Art in **Corrosion Testing Methods Symp.**, Toronto, Canada. (W. H. Ailor, American Soc. for Testing and Materials, Reynolds Metals Co., 4th and Canal Sts., Richmond, Va. 23218)

24. **Biometric Soc.**, Western North American regional, Berkeley, Calif. (J. S. Williams, Statistical Lab., Colorado State Univ., Fort Collins 80521)

24-26. National **Aeronautics and Space Administration**, Ames Research Center, Moffett Field, Calif. (M. R. Heinrich, NASA, Ames Research Center, Moffett Field 94035)

24-26. American **Automatic Control Conf.**, Atlanta, Ga. (D. Lyons, Dept. of Textiles, Clemson Univ., Clemson, S.C.)

24-26. **Equipment Manuals Symp.**, Washington, D.C. (R. Post, Dept. of the Army, Materiel Command, Washington, D.C. 20315)

24-26. **Extreme Environments: Microbial Adaptation**. (M. R. Heinrich, Natl. Aeronautics and Space Administration, Ames Research Center, Moffett Field, Calif. 94035)

24-26. Canadian **Wood Chemistry Symp.**, 3rd, Vancouver, B.C. (D. A. I. Goring, Pulp and Paper Research Inst. of Canada, 570 St. John's Rd., Pointe Claire, P.Q.)

24-27. **Drugs and Cerebral Function Symp.**, 2nd annual, Denver, Colo. (M. L. Smith, Suite 1120, 2045 Franklin, Denver 80205)

24-27. **Hydrobiology**, natl. symp., Miami Beach, Fla. (J. C. Warman, Water Resources Research Inst., Auburn Univ., Auburn, Ala. 36830)

24-27. Western Soc. of **Malacologists**, 3rd annual, Stanford, Calif. (C. Skoglund, 3846 E. Highland Ave., Phoenix, Ariz. 85018)

24-1. International Symp. on **Mechanical Properties and Processes of the Mantle**, Flagstaff, Ariz. (L. R. Sykes, Columbia Univ., Palisades, N.Y. 10964)

25-27. **Leukocyte Culture Conf.**, 5th, Ottawa, Canada. (J. Harris, Ottawa General Hospital, Ottawa 2)

25-1. International Conf. on **Elementary Particles**, Lund, Sweden. (G. von Dardel, Fysiska Institutionen, 3B 223 63, Lund)

28-2. **Health Physics Soc.**, 15th annual, Chicago, Ill. (W. J. Blair, Biology Dept., Battelle Northwest, Richland, Wash. 99352)

28-4. American **Library Assoc.**, Detroit, Mich. (D. H. Clift, Executive Director, The Association, 50 E. Huron St., Chicago, Ill. 60611)

28-4. American **Optometric Assoc.**, 73rd annual congr., Honolulu, Hawaii. (G. Allen, Jr., 7000 Chippewa St., St. Louis, Mo. 63119)

28-4. **Radiation Research**, 4th intern. congr., Evian, France. (J. F. Duplan,

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29-1. **Drug Metabolism in Man**, New York, N.Y. (E. S. Vesell, Pennsylvania State Univ. College of Medicine, Hershey, Pa.)

29-1. **American Soc. of Heating, Refrigerating and Air Conditioning**, Kansas City, Mo. (J. T. Szabo, 345 E. 47 St., New York 10017)

29-1. **Society for Industrial and Applied Mathematics**, Denver, Colo. (N. Bleistein, Dept. of Mathematics, Univ. of Denver, Denver 80210)

29-1. **Marine Technology Soc.**, 6th annual conf., Washington, D.C. (D. L. McKernan, 130 M St., NW, Washington, D.C. 20036)

29-1. **Water Quality Management Data and Instrumentation**, Madison, Wis. (I. Grossman, New York State Dept. of Health, 84 Holland Ave., Albany 12208)

29-3. **International Conf. of Operational Research Soc. and Inst. of Management Sciences**, London, England. (Mrs. M. Kinnaird, Operational Research Soc. Ltd., 62-64 Cannon St., London E.C.4)

30-3. **American Dental Soc. of Europe**, Dublin, Eire. (D. Derrick, 140 Park Lane, London W.1, England)

## July

1-3. **Institute of Management Sciences**, London, England. (S. W. Hess, Wharton School, Univ. of Pennsylvania, Philadelphia 19104)

1-3. **Institute of Navigation**, 25th annual, Colorado Springs, Colo. (R. E. Freeman, Suite 832, 815 15th St., NW, Washington, D.C. 20005)

1-4. **Canadian Dental Assoc.**, Winnipeg, Man. (J. P. Beattie, 435 Academy Rd., Winnipeg 9)

1-6. **National Education Assoc.**, San Francisco, Calif. (S. M. Lambert, NEA, 1201 16th St., NW, Washington, D.C. 20036)

2-3. **American Inst. of Aeronautics and Astronautics and Canadian Aeronautics and Space Inst.** joint meeting, Toronto, Ont., Canada. (H. C. Luttman, 77 Metcalfe St., Ottawa 4, Ont.)

5-9. **Agricultural Pesticide Soc.**, Ottawa, Ont., Canada. (W. H. Minshall, Research Inst., Canada Agriculture, University Sub Post Office, London, Ont.)

5-9. **Canadian Soc. of Agronomy**, Ottawa, Ont. (R. Loiselle, Ottawa Research Sta., Central Experimental Farm, Ottawa)

5-9. **Canadian Soc. of Soil Science**, Ottawa, Ont. (A. R. Mack, Soil Research Inst., Central Experimental Farm, Ottawa)

6-10. **Microwave Spectroscopy Conf.**, Bangor, England. (Meetings Officer, Inst. of Physics and The Physical Soc., 47 Belgrave Sq. London S.W.1, England)

6-10. **Urban Water Resources Management Conf.**, Henniker, N.H. (K. R. Wright, Wright Water Engineers, Denver, Colo.)

6-11. **Symposium on Applications of Holography**, Besancon, France. (J. Ch. Vienot, Laboratoire de Physique Générale et Optique, Faculté des Sciences, Univ. de Besancon, 25 Besancon)

6-12. **Society of Nuclear Medicine**, Washington, D.C. (M. Glos, 211 E. 43 St., New York 10017)

7-9. **Conference on Scanning Electron Microscopy in Materials Science**, Newcastle

upon Tyne, England. (E. H. Boulton, School of Chemistry, The University, Newcastle upon Tyne)

7-9. **Conference on Modern Welding Techniques**, New York, N.Y. (J. A. Fellows, American Soc. for Metals, Metals Park, Ohio 44073)

7-10. **Catalytic Oxidation Principles and Processes**, intern. symp., London, England. (J. F. Gibson, Chemical Soc., Burlington House, London)

7-10. **International Conf. on the Chemistry and Physics of Organic Scintillators and Liquid Scintillation Counting**, San Francisco, Calif. (C. T. Peng, School of Pharmacy, Univ. of California, San Francisco 94122)

7-10. **Symposium on Stock and Recruitment**, Aarhus, Denmark. (L. R. Day, Intern. Commission for Northwest Atlantic Fisheries, P.O. Box 638, Dartmouth, Nova Scotia, Canada)

8-10. **American Soc. of Agricultural Engineers**, 63rd annual, Minneapolis, Minn. (J. L. Butt, P.O. Box 229, St. Joseph, Mich. 49085)

8-10. **Symposium on Non-Aqueous Electrochemistry**, Paris, France. (J. Badoz-Lambling, Laboratoire de Chimie Analytique, 10 rue Vauquelin, Paris 5)

8-10. **Western Resources Conf.**, Denver, Colo. (J. J. Schanz, Jr., Denver Research Inst., Univ. of Denver, Denver 80210)

8-11. **World Congress of Digestive Endoscopy**, 2nd, Copenhagen, Denmark. (S. Stoichita, 29 rue Pitar Mos, Bucharest, Rumania)

9-10. **Texas Water Pollution Control Assoc.**, 9th conf., Houston, Tex. (H. N. Myrick, Dept. of Civil Engineering, Univ. of Houston, Houston 77004)

12-16. **Powder Metallurgy**, 3rd intern. conf., New York, N.Y. (P. K. Johnson, Metal Powder Industries Federation, 201 E. 42 St., New York 10017)

12-18. **International Soc. of Gastroenterology**, 4th world congr., Copenhagen, Denmark. (M. Andreassen, Univ. Kirurgiske Klinik C., Rigshospitalet, Copenhagen)

12-18. **Photochemistry**, 3rd intern. symp., St. Moritz, Switzerland. (D. Bryce-Smith, Dept. of Chemistry, Univ. of Reading, Reading, England)

12-18. **International Soc. of Urology**, 15th congr., Tokyo, Japan. (T. Ichiawa, 1 Toyamacho, Shinju Ku, Tokyo)

13-15. **American Assoc. of Physicists in Medicine**, Washington, D.C. (J. A. Hancock, Jr., Box 2546, Malcolm Grow USAF Hospital, Andrews Air Force Base, Washington, D.C. 20331)

13-17. **American Soc. of Civil Engineers**, Boston, Mass. (W. H. Wisely, ASCE, 345 E. 47 St., New York 10017)

13-17. **Engineering Foundation Research Conf.**, Henniker, N.H. (F. P. Huddle, Reference Service, Library of Congress, Washington, D.C.)

13-17. **National Policy for Materials**, Henniker, N.H. (F. P. Huddle, Library of Congress, Washington, D.C.)

13-17. **Transportation and Engineering**, Boston, Mass. (W. H. Wisely, American Soc. of Civil Engineers, 345 E. 47 St., New York 10017)

14-16. **Electromagnetic Compatibility**, intern. symp., Anaheim, Calif. (J. C. Senn, P.O. Box 1970, Anaheim 92803)

15-23. **World Water Balance**, intern.



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symp., Reading, England. (R. L. Nace, U.S. Geological Survey, Water Resources Div., Washington, D.C. 20242)

16-19. American Soc. of **Extra-Corporeal Technology**, 8th intern. conf., New Orleans, La. (E. C. Berger, 287 E. Sixth St., St. Paul, Minn. 55101)

16-20. American **Malacological Union**, 36th annual, Key West, Fla. (A. Solem, Field Museum of Natural History, Chicago, Ill. 60605)

17-18. Rocky Mountain **Cancer Conf.**, Denver, Colo. (D. G. Derry, Colorado Medical Soc., 1809 E. 18th Ave., Denver 80218)

19-24. American Assoc. of **Clinical Chemists**, 22nd natl., Buffalo, N.Y. (D. A. Pragay, P.O. Box 38, Buffalo 14215)

20-22. American Inst. of **Aeronautics and Astronautics**, Detroit, Mich. (W. I. Marble, 2 Pennsylvania Plaza, New York 10001)

20-22. Society of **Automotive Engineers**, Detroit, Mich. (W. I. Marble, 2 Pennsylvania Plaza, New York 10001)

20-22. Conference on the **Fatigue Problem**, Boston, Mass. (J. A. Fellows, American Soc. for Metals, Metals Park, Ohio 44073)

20-22. Society of Mechanical Engineers **Reliability and Maintainability Conf.**, Detroit, Mich. (W. I. Marble, 2 Pennsylvania Plaza, New York 10001)

20-24. Association for the Study of **Animal Behavior**, Birmingham, England. (S. Dimond, Dept. of Psychology, University College, Cardiff, Wales)

20-24. Symposium on **Coastal Geodesy**, Munich, Germany. (G. W. Lennon, Inst. of Coastal Oceanography and Tides, Bidston Observatory, Birkenhead, Cheshire, England)

20-24. **Reactions in Solution**, intern. conf., Kent, England. (G. R. Martin, Chemical Lab., Univ. of Kent at Canterbury, Canterbury, Kent)

20-24. **Urban Systems Engineering**, Henniker, N.H. (M. Wachs, Univ. of Illinois, Chicago)

21-23. Society for **Experimental Biology**, Dublin, Ireland. (A. P. M. Lockwood, Dept. of Oceanography, Univ. of Southampton, Southampton, England)

21-23. National Symp. on Data and Instrumentation for **Water Quality Management**, Madison, Wis. (I. Grossman, New York State Dept. of Health, Div. of Pure Waters, Albany 12208)

21-24. Conference on **Atomic Physics**, 2nd intern., Oxford, England. (E. K. Woodgate, Dept. of Physics, Clarendon Lab., Parks Rd., Oxford)

21-24. **Computer Science Symp.**, 2nd annual, Bangkok, Thailand. (L. Padunchewit, Computer Science Lab., Chulalongkorn Univ., Bangkok)

22-24. **Electronic Probe Analysis**, 5th natl. conf., New York, N.Y. (P. Lublin, Gen. Telephone & Electronics Lab., Bay-side, N.Y. 11630)

22-24. **An Equipment Manuals Symp.**, Los Angeles, Calif. (R. Post, Dept. of the Army, Materiel Command, Washington, D.C. 20315)

24-26. **Linguistic Soc. of America**, Columbus, Ohio. (T. A. Sebeck, Patton House, Indiana Univ., Bloomington 47401)

25-1. Institute on **Religion in an Age of Science**, Star Island (Portsmouth), N.H.

(Mrs. E. R. Goodenough, 89 Irving St., Cambridge, Mass. 02138)

26-1. **Water Pollution Research**, 5th intern. conf., San Francisco, Calif. (J. Parkhurst, California Host Corp., Room 635, Davis Hall, Univ. of California, Berkeley 94720)

27-31. Instrument Soc. of America, Research Conf. on **Instrumentation Science**, 29th, Geneva, N.Y. (N. E. Huston, Univ. of Wisconsin, Madison 53706)

28-30. Conference on **Nondestructive Evaluation**, Philadelphia, Pa. (J. A. Fellows, American Soc. for Metals, Metals Park, Ohio 44073)

29-31. International Symp. on **Bio-mechanics**, San Diego, Calif. (Y. C. Fung, 5022 Basic Science Bldg., Univ. of California, San Diego 92037)

29-31. **Acoustical Holography**, 3rd intern. symp., Newport Beach, Calif. (H. E. Calkins, Douglas Advanced Research Labs., McDonnell Douglas Corp., Huntington Beach, Calif. 92647)

29-1. **Reticuloendothelial Soc.**, 4th intern., Freiburg, Germany. (K. Fleming, 7799 Heiligenberg, Postfach 3, West Germany)

30-1. **Equine Nutrition**, 2nd symp., Ithaca, N.Y. (H. F. Hintz, Dept. of Large Animal Medicine, Cornell Univ., Ithaca 14850)

#### August

2-5. American Soc. of **Animal Science**, University Park, Pa. (G. P. Lofgreen, Imperial Valley Field Station, 1004 E. Holton Rd., El Centro, Calif. 92243)

2-5. **Primitology**, 3rd intern. congr. Zurich, Switzerland. (J. Biegert, Anthropological Inst., Univ. of Zurich, CH 8001, Zurich)

2-6. National **Medical Assoc.**, Atlanta, Ga. (E. C. Walden, 4200 Edmonson Ave., Baltimore, Md. 21229)

2-7. Society for **Industrial Microbiology**, Kingston, R.I. (V. S. Kenny, Gagliardi Research Corp., P.O. Box 390, East Greenwich, R.I. 02818)

3-4. American Soc. of **Safety Engineers**, San Diego, Calif. (A. C. Blackman, The Society, 850 Busse Highway, Park Ridge, Ill. 60068)

3-7. Future Implications of **Biomedical Technologies** Conf., Deerfield, Mass. (C. Williams, National Science Foundation, Washington, D.C.)

3-7. American College of **Chest Physicians**, 11th intern. congr. on Diseases of the Chest, Lausanne, Switzerland. (M. Kornfield, 112 E. Chestnut St., Chicago, Ill. 60611)

5-7. **Engineering in Medicine**—Bioceramics Conf., Henniker, N.H. (C. W. Hall, Southwest Research Inst., San Antonio, Tex.)

3-7. **Molecular Biology and Pathology**, 3rd conf., Saratoga Springs, N.Y. (K. T. Lee, Dept. of Pathology, Albany Medical College, Albany, N.Y. 12208)

4-6. **Stress Corrosion Cracking** Conf., Philadelphia, Pa. (J. A. Fellows, American Soc. for Metals, Metals Park, Ohio 44073)

5-7. Association of American **Feed Control** Officials, Louisville, Ky. (B. Poundstone, Kentucky Agricultural Exper-

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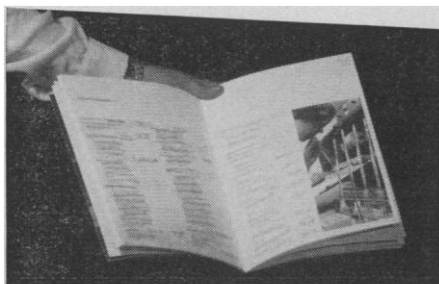
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5-7. Applications of **X-Ray Analysis**, 19th conf., Denver, Colo. (J. B. Newkirk, Dept. of Metallurgy, Univ. of Denver, Denver 80210)

5-12. International Council on **Health, Physical Education and Recreation**, Sydney, Australia. (A. Willee, Dept. of Physical Education, Univ. of Melbourne, Melbourne, Australia)

6-15. **Antarctic Geology and Solid Earth Geophysics**, intern. symp., Oslo, Norway. (L. DeGoes, Natl. Acad. of Sciences, 2101 Constitution Ave., NW, Washington, D.C. 20418)

9-12. **Soil Conservation Soc. of America**, Toronto, Ont., Canada. (H. W. Pritchard, 7515 NE Ankeny Rd., Ankeny, Iowa 50021)

9-13. **Biocommunications 70 Conf.**, Houston, Tex. (H. R. Smith, Medical Illustration, Room 414E, Baylor College of Medicine, Houston 77025)

9-14. **Food Science and Technology**, 3rd intern. congr., Washington, D.C. (C. L. Willey, Inst. of Food Technologists, 221 N. LaSalle St., Chicago, Ill. 60601)

9-15. **Microbiology**, 10th intern. congr., Mexico City, Mexico. (L. F. Bojalil, Apartado Postal P.O. Box 60-603, Mexico 18, D.F. Mexico)

10-13. Society of **Automotive Engineers**, Los Angeles, Calif. (W. Marble, 2 Pennsylvania Plaza, New York 10001)

10-14. Continuing **Engineering Education**, Andover, N.H. (W. M. Mueller, American Soc. for Metals, Metals Park, Ohio)

10-14. Environmental Aspects of **Nuclear Power Stations** Symp., New York, N.Y. (J. H. Kane, Div. for Technical Information, U.S. Atomic Energy Commission, Washington, D.C. 20545)

10-14. **Particulate Matter Systems** Conf., Deerfield, Mass. (D. W. Fuerstenaue, Univ. of California, Berkeley)

11-13. **Photovoltaic Specialists** Conf., Seattle, Wash. (J. Loferski, Div. of Engineering, Brown Univ., Providence, R.I.)

16-18. American Acad. of **Physical Medicine and Rehabilitation**, New York, N.Y. (C. C. Herold, 30 N. Michigan Ave., Chicago, Ill. 60602)

16-21. World **Medical** Assoc., 24th general assembly, Oslo, Norway. (A. E. Romnald, 10 Columbus Circle, New York 10019)

16-27. **Wool Research**, 4th intern. conf., Berkeley, Calif. (H. Lundgren, U.S. Dept. of Agriculture, 800 Buchanan St., Albany, Calif. 94710)

17-19. **Alaska Science** Conf., 21st annual, College. (Hannelore, c/o Dept. of Civil Engineering, Univ. of Alaska, College 99701)

17-19. American **Peptide** Symp., 2nd, Cleveland, Ohio. (R. R. Smeby, Cleveland Clinic Foundation, 2020 E. 93 St., Cleveland)

17-19. **Trace Analysis with an Emphasis on Pollution and Environment Factors**, Edmonton, Alta., Canada. (J. A. Plamdeck, Dept. of Chemistry, Univ. of Alberta, Edmonton)

17-20. International Conf. on **Ephemeroptera**, Tallahassee, Fla. (W. L. Peters, P.O. Box 111, Florida A & M Univ., Tallahassee 32307)

17-21. New England Assoc. of **Chem-**

**istry Teachers**, 32nd summer conf., Manchester, N.H. (H. B. Bjornson, 95 Falls Ave., Medford, Mass. 02155)

17-21. **Computers in Undergraduate Science Education**, Chicago, Ill. (R. Blum, Dept. of Physics and Astronomy, Univ. of Maryland, College Park 20742)

17-21. National **Metric Study** Conf., Deerfield, Mass. (R. P. Trowbridge, c/o Engineering Foundation, 345 E. 47 St., New York 10017)

17-21. International Assoc. of **Milk, Food and Environmental Sanitarians**, Cedar Rapids, Iowa. (H. L. Thomasson, P.O. Box 437, Shelbyville, Ind. 46178)

17-21. Symposium on **Recovery of Uranium from the Ores and Other Sources**, Rio de Janeiro, Brazil. (J. H. Kane, Div. of Technical Information, U.S. Atomic Energy Commission, Washington, D.C. 20545)

17-22. **Anatomical** Congr., 9th intern., Leningrad, U.S.S.R. (W. Bargmann, Dept. of Anatomy, Univ. of Kiel, Kiel, Germany)

17-22. **Carbohydrate Chemistry**, 5th intern. symp., Paris, France. (F. Percheron, 4, Ave. de l'Observatoire, 75, Paris 6\*)

18-21. **Chemical Engineering** Conf., Melbourne, Australia. (P. D. O'Connor, Australian Acad. of Science, Gordon St., Canberra City, A.C.T., 2601)

18-21. **Detonation**, 5th intern. symp., Pasadena, Calif. (S. J. Jacobs, U.S. Naval Ordnance Lab., Silver Spring, Md. 20910)

18-27. International **Astronomical** Union, 14th general assembly, Brighton, England. (L. Perak, General Secretary, Astronomical Inst., Czechoslovak Acad. of Science, Prague 2)

19-20. **Water Quality**, 5th annual intern. symp., Washington, D.C. (David X. Manners Co., 237 East Rocks Rd., Norwalk, Conn. 06851)

19-26. Institute of **Mathematical Statistics**, Hanover, West Germany. (L. Katz, Statistical Lab., Michigan State Univ., East Lansing 48823)

20-21. American **Astronautical** Soc., Santa Barbara, Calif. (T. Mitchell, Univ. of California, Santa Barbara)

20-22. Therapy of **Advanced Cancer**, 9th natl. conf., Madison, Wis. (R. J. Samp, University Hospitals, 1300 University Ave., Madison 53706)

21-23. **Soil Geomorphology** Field Conf., Tucson, Ariz. (J. W. Hawley, Soil Science Soc. of America, P.O. Box 3129, University Park, N.M. 88001)

23. **Botanical** Soc. of America, Bloomington, Ind. (B. F. Palser, Dept. of Botany, Rutgers Univ., New Brunswick, N.J. 08903)

23-26. Association of American **Geographers**, San Francisco, Calif. (J. W. Nystrom, 1146 16th St., Washington, D.C. 20036)

23-27. **Phycological** Soc. of America, Bloomington, Ind. (P. L. Walne, Dept. of Botany, Univ. of Tennessee, Knoxville 37916)

23-28. American Soc. of **Agronomy**, Tucson, Ariz. (M. Stelly, 677 S. Segoe Rd., Madison, Wis. 53711)

23-28. International **Diabetes** Federation Symp. and Conf., 7th, Buenos Aires, Argentina. (V. G. Foglia, Paraguay 2155, 7° piso, Buenos Aires)

23-28. International **Law** Assoc. Conf.,

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54th, The Hague, Netherlands. (A. Cronheim, Holland Organizing Centre, 16, Lange Voorhout, The Hague)

23-28. **Liquid Crystal**, 3rd intern. conf., Berlin, Germany. (R. Hosemann, Fritz-Haber Institut der Max-Planck-Gesellschaft, Faradayweg 46.1, Berlin 33)

23-29. **Crop and Soil Science Meetings**, Tucson, Ariz. (M. Stelly, 677 S. Segoe Rd., Madison, Wis. 53711)

23-29. American **Fern Soc.**, Bloomington, Ind. (A. M. Evans, Dept. of Botany, Univ. of Tennessee, Knoxville 37916)

23-29. American Soc. of **Plant Physiologists**, Bloomington, Ind. (W. H. Klein, Radiation Lab., Smithsonian Institution, Washington, D.C. 20560)

23-29. American Soc. of **Plant Taxonomists**, Bloomington, Ind. (L. I. Neveling, Jr., Arnold Arboretum and Gray Herbarium, 22 Divinity Ave., Cambridge, Mass. 02138)

23-29. American Soc. of **Zoologists**, Bloomington, Ind. (G. Sprugel, Jr., Illinois Natural History Survey, 179 Natural Resources Bldg., Urbana 61801)

24-26. **Chemical Engineering Conf.**, Sydney, Australia. (P. D. O'Connor, Secy., Australian Acad. of Science, Gordon St., Canberra City, A.C.T., 2601)

24-26. **Energy and the Environment**, 24th annual conf., Oak Ridge, Tenn. (W. W. Grigorieff, Special Projects Office, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge 37830)

24-26. **Genetics Soc. of America**, Seattle, Wash. (B. Wallace, Dept. of Genetics, Cornell Univ., Ithaca, N.Y. 14850)

24-26. **Mathematical Assoc. of America**, Laramie, Wyo. (A. B. Willcox, The Association, 1225 Connecticut Ave., NW, Washington, D.C. 20036)

24-26. International Conf. on **Psychosurgery**, Copenhagen, Denmark. (E. R. Hitchcock, Dept. of Surgical Neurology, Royal Infirmary, Edinburgh, Scotland)

24-26. International Conf. on **Radiation Effects in Semiconductors**, Albany, N.Y. (J. W. Corbett, Dept. of Physics, State Univ. of New York at Albany, Albany 12203)

24-27. **Soil Science Soc. of America**, Tucson, Ariz. (J. W. Hawley, The Society, P.O. Box 3129, University Park, N.M.)

24-28. Application of **Environmental R & D to Landfill Disposal for Solid Wastes**, Deerfield, Mass. (E. A. Glysson, Univ. of Michigan, Ann Arbor)

24-28. Quantitative Decision Making for Delivery of **Health Care**, Andover, N.H. (A. Jacobs, Univ. of Rochester, Rochester, N.Y.)

24-29. Congress of Intern. Soc. of **Haematology**, Munich, Germany. (J. L. Tullis, 110 Francis St., Boston, Mass. 02215)

25-28. Symposium on the **Chromosphere-Corona Transition Region**, Boulder, Colo. (J. W. Evans, Director, Sacramento Park Observatory, Sunspot, N.M. 88349)

25-28. **Western Electronic Show and Convention**, Los Angeles, Calif. (R. Howard, WESCON, 3600 Wilshire Blvd., Los Angeles 90005)

25-28. Institute of **Mathematical Statistics**, Laramie, Wyo. (L. Katz, Statistical Lab., Michigan State Univ., East Lansing 48823)

26-29. **Small-Angle X-Ray Scattering**,

2nd intern. conf., Graz, Austria. (O. Kratky, Inst. for Physical Chemistry, Univ. of Graz, Heinrichstrasse 28, A-8010 Graz)

27-30. Society for the Study of **Amphibians and Reptiles**, 13th annual, Kansas City, Mo. (J. L. Vial, Dept. of Biology, Univ. of Missouri, Kansas City 64110)

28-30. International **Mathematical Union**, 6th general assembly, Menton, France. (C. B. Morrey, Jr., Dept. of Mathematics, Univ. of California, Berkeley)

28-30. **Soil Geomorphology Field Conf.**, Tucson, Ariz. (J. W. Hawley, Soil Science Soc. of America, P.O. Box 3129, University Park, N.M. 88001)

28-1. American **Quaternary Assoc.**, Yellowstone Natl. Park and Bozeman, Mont. (M. Davis, Great Lakes Research Div., Univ. of Michigan, Ann Arbor 48104)

28-2. International **Mineralogical Assoc.**, 7th congr., Tokyo, Japan. (C. E. Tilley, Dept. of Mineralogy and Petrology, Univ. of Cambridge, Cambridge, England)

29-3. American **Physiological Soc.**, Bloomington, Ind. (H. Hazelrigg, News Bureau, Indiana Univ., 306 N. Union St., Bloomington 47401)

30-2. American Inst. of **Chemical Engineering**, Denver, Colo. (J. Henry, 345 E. 47 St., New York 10017)

30-2. **Electronic Materials** Technical Conf., New York, N.Y. (A. Reisman, I.B.M., P.O. Box 218, Yorktown Heights, N.Y. 10598)

30-2. **Geological Assoc. of Canada and Mineralogical Assoc. of Canada**, Winnipeg, Man. (R. F. J. Scoates, Manitoba Mines Branch, 900 Norguay Bldg., Winnipeg)

30-4. **Laurentian Hormone Conf.**, Quebec, Canada. (J. Sanford, Laurentian Conf. Office, 222 Maple Ave., Shrewsbury, Mass. 01545)

30-4. **Strength of Metals and Alloys**, 2nd intern. conf., Asilomar, Calif. (J. A. Fellows, American Soc. for Metals, Metals Park, Ohio 44073)

30-5. **History of Medicine**, 22nd intern. congr., Bucharest, Rumania. (B. Dutescu, Strada Rozelar 13, Bucharest)

30-5. **Ornithological Congr.**, 15th intern., The Hague, Netherlands. (N. Tinbergen, Dept. of Zoology, Parks Rd., Oxford, England)

31-2. Symposium on **Heteroatom Chemistry**, London, Ont., Canada. (D. H. Hunter, Dept of Chemistry, Univ. of Western Ontario, London)

31-3. American **Sociological Assoc.**, Washington, D.C. (E. H. Volkart, 1001 Connecticut Ave., NW, Washington, D.C. 20036)

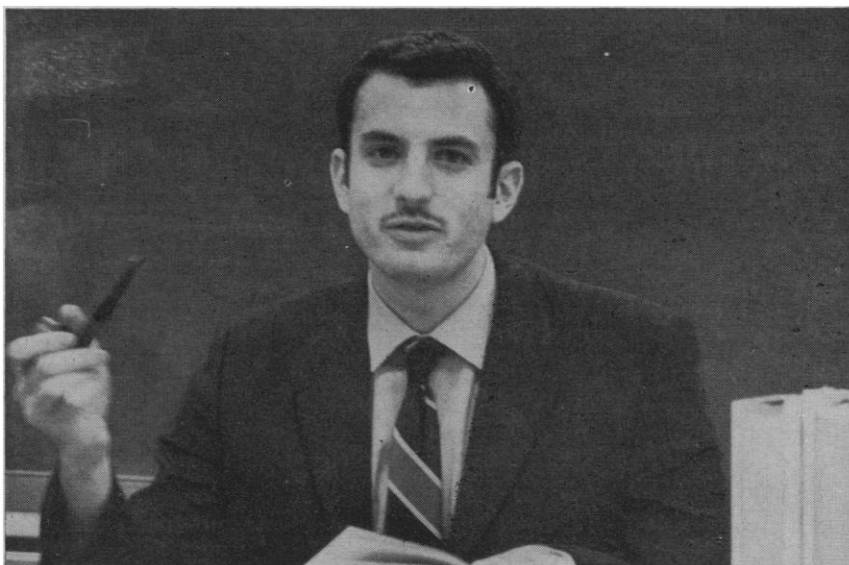
31-4. Modern Concepts in **Corrosion Engineering**, Andover, N.H. (W. H. Boyd, Battelle Memorial Inst., Columbus, Ohio)

31-4. American Soc. of **Limnology and Oceanography**, Kingston, R.I. (G. H. Lauff, W. W. Kellogg Biological Sta., Michigan State Univ., Hickory Corners 49060)

31-4. **Neuropathology**, 7th intern. congr., Paris, France. (J. Lapresle, Hôpital de la Salpetriere, 47 Bld de l'Hôpital, 75 Paris 13<sup>e</sup>)

31-4. Symposium on **Polarisation Phenomena in Nuclear Reactions**, Madison, Wis. (J. Teillar, Laboratoire Joliot-Curie, Faculte des Sciences d'Orsay, Orsay 91, France)

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