

be useful in evaluating hematotoxicity. Over the past 25 years he has studied the hematological responses of rhesus and cynomolgus monkeys to infections, toxic and irradiating agents, and nutritional deficiencies. He has shown that primates exhibit marked similarities to those observed in man. He believes that these primates offer unusual opportunities for such studies in depth.

Species differences, with regard both to the manifestations of hypersensitivity and to drug metabolism, make it difficult to find an adequate test model for studies of drug-induced hypersensitivity in man. Arthur Malley (Oregon Regional Primate Research Center) discussed skin manifestations of drug toxicity in nonhuman primates.

W. C. Stebbins (University of Michigan Medical School) described the method which he is using for evaluating the effects of ototoxic drugs on hearing in monkeys; behavioral audiometry is followed by micro-dissection of the cochlea and phase-contrast microscopy of longitudinal preparations of Corti's organ.

Small bowel ulceration occurred in humans after they had taken orally enteric-coated, potassium chloride tablets or thiazides with enteric-coated potassium chloride tablets. Such reactions prompted Robert M. Diener (Ciba Pharmaceutical Products) to investigate the enteric effect of enteric-coated, potassium chloride in the dog, the rat, and the monkey. Administration of these drugs to dogs produced only mild lesions which did not resemble those observed in man and did not produce lesions in rats. However, rhesus monkeys who were given the approximate human dose experienced intestinal ulceration similar to that noted in man.

While nonhuman primates have been used in the experiments involving the administering of a variety of aerosols, Norton Nelson (New York University Medical School) stated that the investigations have not been extensive, or always thorough. He discussed the physical principles involved and the histological effects.

Many other scientists with research experience with nonhuman primates participated in the discussion of the summary papers. The proceedings of the conference will be published and will be available for purchase.

CLEM O. MILLER

*Food and Drug Administration,
Department of Health, Education, and
Welfare, Washington, D.C. 20204*

Calendar of Events

National Meetings

July

9-13. American **Veterinary Medical Assoc.**, 104th annual mtg., Dallas, Tex. (Executive Secretary, 600 S. Michigan Ave., Chicago, Ill. 60605)

10-11. American College of **Laboratory Animal Medicine**, annual mgt., Dallas, Tex. (R. H. Yager, Secretary, ILAR-NRC, 2101 Constitution Ave., NW, Washington, D.C. 20418)

10-12. **Aviation and Space Transportation**, symp., New York, N.Y. (American Soc. of Mechanical Engineers, 345 E. 47 St., New York 10017)

10-14. Nuclear and Space **Radiation Effects**, Columbus, Ohio. (IEEE, Technical Activities Board, 345 E. 47 St., New York 10017)

14-15. Rocky Mountain **Cancer Conf.**, 21st, Denver, Colo. (N. P. Isbell, Colorado Medical Soc., 1809 E. 18 Ave., Denver 80218)

17-19. Sixth **Aerospace Reliability and Maintainability Meeting**, Cocoa Beach, Fla. (Meetings Manager, ASME, 345 E. 47 St., New York 10017)

17-21. **Neutron Thermalization and Reactor Spectra**, Ann Arbor, Mich. (J. H. Kane, Intern. Conf. Branch, Technical Information Div., Atomic Energy Commission, Washington, D.C.)

17-21. Third **Propulsion Joint Specialist Conf.**, Washington, D.C. (Meetings Dept., American Inst. of Aeronautics and Astronautics, 1290 Sixth Ave., New York 10019)

18-20. **Electromagnetic Compatibility**, 9th symp., Washington, D.C. (F. T. Mitchell, Atlantic Research Corp., Shirley Hwy. and Edsall Rd., Alexandria, Va.)

18-22. American **Medical Technologists**, 29th annual mtg., Washington, D.C. (C. B. Dziekonski, 710 Higgins Rd., Park Ridge, Ill. 60068)

19-21. **Marine Chemists Assoc.**, 9th annual mtg., San Francisco, Calif. (K. M. Savage, c/o National Fire Protection Assoc., 60 Batterymarch St., Boston, Mass.)

24-27. American Soc. for **Metals**, W. H. Eisenman Conf. on Metal Ceramics Composites, San Francisco, Calif. (The Society, Metals Park, Ohio 44073)

24-28. Solid **Waste Research and Development**, conf., Milwaukee, Wis. (United Engineering Center, 345 E. 47 St., New York 10017)

24-29. **Fluorine Chemistry**, 4th intern. symp., Estes Park, Colo. (P. Tarrant, Dept. of Chemistry, Univ. of Florida, Gainesville 32601)

27-29. **Linguistic Soc. of America**, annual summer mtg., Ann Arbor, Mich. (A. A. Hill, Box 8120, University Station, Austin, Tex. 78712)

30-3. American Soc. of **Animal Science**, mtg., Reno, Nev. (A. M. Pearson, Dept. of Food Science, Michigan State Univ., East Lansing 48823)

31-2. International Soc. for Human and Animal **Mycology**, 4th conf., New Orleans, La. (R. Baker, Louisiana Univ. School of Medicine, New Orleans)

31-4. **Mammalian Oviduct**, symp., Pullman, Wash. (E. S. E. Hafez, Reproduction

Lab., Washington State Univ., Pullman 99163)

31-4. Association for the Advancement of **Medical Instrumentation**, annual mtg., San Francisco, Calif. (J. J. Post, Box 314, Harvard Sq., Cambridge, Mass. 02138)

31-4. **Particulate Matter Systems**, conf., Milwaukee, Wis. (United Engineering Center, 345 E. 47 St., New York 10017)

International and Foreign Meetings

July

9-15. American Soc. for **Horticultural Science**, Tropical Region, 15th annual mtg., Panama. (E. H. Casseres, Calle Londres 40, Mexico 6, D.F., Mexico)

10-12. Naturally Occurring **Phosphoric Esters**, intern. symp. Newcastle-upon-Tyne, England. (General Secretary, Chemical Soc., Burlington House, London, W.1, England)

10-15. International **Mining Congr.**, 5th, Moscow, U.S.S.R. (A. S. Archangel'sky, c/o Ministry of the Coal Industry of the U.S.S.R., B. Kiseln'y per., 13/15, Moscow K-45)

10-15. Latin American **Soil Biology**, 2nd congr., Santa Maria, Brazil. (Science Dept., British Council, Albion House, 59 New Oxford St., London, W.C.1, England)

11-14. **Magnet Technology**, 2nd intern. conf., Oxford, England. (R. C. Pepperell, Rutherford High Energy Laboratory, Chilton, Didcot, Berkshire, England)

11-14. International Union of **School and University Health Medicine**, 5th congr., Prague, Czechoslovakia. (The Union, Centre International de l'Enfance, Château de Longchamp, Bois de Boulogne, Paris 16^e, France)

12-14. International Soc. for **Clinical and Experimental Hypnosis**, 5th congr., Kyoto, Japan. (Y. Ikemi, c/o Dept. of Psychosomatic Medicine, Kyushu Univ., School of Medicine, Fukuoka City, Japan)

14-28. **Plant Pathology**, 1st intern. congr., London, England. (R. K. S. Wood, Imperial College, London, S.W.1)

15-18. **Electrical Contact Phenomena**, intern. research symp., Swansea, Wales. (Meetings Officer, Inst. of Physics and the Physical Soc., 47 Belgrave Sq., London, S.W.1, England)

16-22. Organic **Photochemistry**, intern. symp. (IUPAC), Enschede, Netherlands. (W. G. Dauben, c/o Dept. of Chemistry, Univ. of California, Berkeley 94720)

17-19. **Organic Chemistry**, symp., (IUPAC), Nottingham, England. (A. W. Johnson, Dept. of Chemistry, Univ. of Nottingham, Nottingham)

17-21. **Solar-Terrestrial Relationships** during Solar Minimum Conditions, symp., London, England. (G. de Q. Robin, c/o Scott Polar Research Inst., Univ. of Cambridge, Cambridge, England)

17-22. World **Veterinary Assoc.**, 18th intern. congr., Paris, France. (R. Vuillaume, 27, rue des Petits-Hôtels, Paris 10^e)

18-23. **Laser Applications**, 1st intern. congr., Paris, France. (The Congress, 14, rue de Buffon, Paris 5^e)

19-22. Ibero-Latin American Congr. of **Dermatology**, Barcelona, Spain. (J. Pinol-Aguade, c/o Facultad de Medicina, Univ. de Barcelona, Spain)