

Scientific Meetings

World Health Assembly— Malaria Eradication

Scientific developments within the last decade have made possible a daring concept: that malaria can be eradicated from most areas of the world. It was my pleasure to serve on the U.S. delegation to the 8th World Health Assembly held in Mexico City, 10–27 May 1955, which carefully considered this possibility.

Some 230 million persons who until recently lived in malarious areas are now protected from malaria. An estimated 370 million persons in the world are still potentially exposed to this disease. Experience shows that the cost of protection varies from 11¢ to 45¢ per capita per year. We have learned within the last year that residual household spraying, if conducted over a 2- or 3-year period, will result in the eradication of the parasite, even though the mosquito vector may persist. This assumes that the spraying is carried on systematically and that surveillance is continued, lest a small focus of the disease be overlooked or a new source of parasites imported.

At the present time, each continent of the world has malaria-cleared areas, demonstrating beyond doubt that in almost all areas this disease can be eradicated by residual spraying. In this hemisphere nation-wide malaria eradication programs are well advanced in Argentina, the British and French Guianas, the United States, and Venezuela. In Europe, malaria has almost disappeared in Greece, Italy, Turkey, and Yugoslavia—countries where malaria was a serious postwar problem. In Asia, eradication is reaching its final stages in Ceylon and Formosa, and large areas of Iran, Lebanon, the Philippines, and Thailand are freed of the disease.

In view of the technical feasibility of malaria eradication, it is disturbing to learn that in some areas several species of malaria-transmitting mosquitoes have developed a resistance to DDT. In no case has resistance developed in less than 6 years. However, malaria-control projects carried on in too small an area or without proper supervision may lead to further development of resistance in mosquitoes.

It has been demonstrated that the international organizations are able to

stimulate national malaria-eradication campaigns and that governments are willing to devote large sums of money for this purpose. For example, the World Health Organization reports that it undertook a malaria-control program in Formosa in 1952. It was able to enlist the assistance not only of the Government of Formosa but also of the United Nations International Children's Fund and the United States Foreign Operations Administration. Through the loan of only three WHO employees to the Government of Formosa, the campaign proceeded rapidly, at a pace exceeding even the most optimistic expectations. Because of the encouraging results, WHO and the Government of Formosa changed the objective of the control campaign to one of total eradication of the disease from the island. It is expected that by the end of 1955, malaria will be virtually eradicated, and in the next several years only surveillance will be required. Since 1952, WHO has trained 180 supervisors, 870 foremen and 3490 operators, most of whom may be used for other types of activity when the major campaign against malaria is ended.

It has been repeatedly shown that the economic benefits of malaria eradication far exceed the cost. Documented records show that following eradication, requirements for hospital beds in a previously malarious area have dropped by as much as 90 percent. Other records show the several-fold increases in the value of agricultural lands, in crop production, and in the rapid influx of settlers when the disease is eradicated.

From the political standpoint, there is probably no endeavor that has more appeal than personal health, which is desired by all persons, be they peasants or princes. Malaria is a disease known to peasants and princes, and its alleviation is quickly appreciated. Government leaders quickly see the value of malaria-eradication programs and often give them full support.

While the assembly was meeting in Mexico City, the Mexican Cabinet decided that Mexico would give full support to eradicating malaria in that country. The estimated cost will be \$20 million. The needed funds will be obtained on loan and amortized over a period of years.

The World Health Assembly debated a number of other issues of importance to the United States. It decided that the World Health Organization will participate actively in the international program to develop the peaceful uses of atomic energy, and the assembly made provision in the WHO budget for this purpose.

New amendments to the International Sanitary Regulations were adopted which will expedite travel and commerce between nations. Quarantine barriers now believed to be unnecessary as the result of newer scientific information have been abolished.

Owing to the continuing nonpayments by the U.S.S.R. and satellites of their assessed contributions, there was considerable debate on the assessments of various countries. This debate led to a resolution that will lower the United States' percentage contribution to the organization in each of four successive years.

I found that the privilege of serving again on the U.S. delegation to a World Health Assembly was a rewarding experience. It provided opportunity for renewed insight into the operations of the World Health Organization and also for profitable discussions with other delegates from 74 member governments. The delegates were, for the most part, the ministers or directors of health of their respective countries.

HAROLD S. DIEHL
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■ The Oak Ridge Institute of Nuclear Studies will sponsor a conference on *Rare Earths in Biochemical and Medical Research* at Oak Ridge, Tenn., 28–29 Oct. A round-table session on the subject was held at the recent annual meeting of the Federation of American Societies for Experimental Biology. The conference will emphasize chemical, pharmacological, and biochemical problems of the lanthanons and of yttrium, and their possible applications. The program is to be made up largely by arrangement, but contributed papers will be included when time permits. Titles and abstracts should reach G. C. Kyker, Medical Division, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn., before 15 Aug. 1955.

■ An International Conference of Medical Librarians and Reference Librarians, will be held on 10 Sept. in Brussels, Belgium, at the University Hall under the auspices of the Ministry of Public Health. The meeting is organized in coordination with the International Congress of Libraries and Document Centers which will take place immediately afterward from 11 to 18 Sept.

All medical librarians are cordially invited to attend both the medical confer-

ence and the general congress. The fee for attendance is 300 Belgian francs. Further information may be obtained from Miss Ch. de Looze, Librarian, Oeuvre Nationale Belge de Défense contre la Tuberculose, 56, rue de la Concorde, Bruxelles.

■ The New York Academy of Medicine will hold its 28th annual graduate fortnight 10-21 Oct. on Problems of Aging. The program will consist of 20 evening lectures; 4 evening panel meetings; 6 morning panel meetings; 19 afternoon hospital clinics; and a scientific exhibit. Five community educational and recreational day centers for the aged will hold open house. Programs and registration cards may be obtained from Robert L. Craig, New York Academy of Medicine, 2 E. 103 St., New York 29.

■ The 10th annual meeting of the International Northwest Conference on Diseases in Nature Communicable to Man will be held 29-31 Aug. on the campus of the University of Idaho, Moscow, under the sponsorship of the Idaho State Department of Health. Subjects to be discussed informally will include poliomyelitis in the Northwest, the use of tissue culture techniques in laboratory studies of disease agents, animal population studies, and recent information on such diseases as tularemia, the mosquito-borne viruses, and relapsing fever.

■ The annual meeting of the Optical Society of America will be held in Pittsburgh, Pa., 6-8 Oct. Full details concerning the technical sessions and the possibility of plant visitations will be included in the printed program. It appears at this time that there will be special invited papers or symposiums on the following topics: color centers in optical materials; high resolution spectroscopy; upper atmosphere problems; and molecular structure of photoreceptors.

Abstracts of contributed papers should be submitted promptly, for the dummy of the printed program will be sent to the printer 1 Aug. Nonmembers may secure copies of the program by addressing their requests to Arthur C. Hardy, Secretary, Optical Society of America, Massachusetts Institute of Technology, Cambridge 39, Mass.

■ A symposium on phospholipids, sponsored by the biochemistry division of the Chemical Institute of Canada, will be held at the University of Western Ontario, London, 12-13 Oct. Chemists and biochemists are invited to attend. The first session will be devoted to a discussion of the chemistry of phospholipids. Speakers and topics will be Erich Baer, University of Toronto, phospho-

glycerides; J. Folch, Harvard Medical School, inositol phospholipids; and H. E. Carter, University of Illinois, sphingolipids.

The second session will consider the metabolism and function of phospholipids. The main speakers will be E. P. Kennedy, University of Chicago, biological synthesis of phospholipids; L. E. Hokin, McGill University, nutrition of phospholipids *in vitro*; and J. M. R. Beveridge, Queen's University, function of phospholipids. Further inquiries should be addressed to R. J. Rossiter, Department of Biochemistry, University of Western Ontario, London.

■ "Computers in business and industrial systems" is the theme of the 1955 Eastern Joint Computer Conference and Exhibition to be held under the sponsorship of the American Institute of Electrical Engineers, the Institute of Radio Engineers, and the Association for Computing Machinery at the Hotel Statler, Boston, Mass., 7-9 Nov.

Technical papers will appeal to plant engineers interested in using electronic computers to control oil refineries, chemical plants, machine tools, materials-handling equipment; to engineers and makers of computing and data processing systems and components; and to businessmen interested in using electronic computers and clerical machines for payrolls, accounts receivable, and inventory problems.

Exhibits will include electronic data processing systems, process control systems, storage systems, input-output equipment, conversion devices, and sensing devices.

Society Elections

■ American Society of Medical Technologists: pres., Barbara Isbell, San Diego, Calif.; pres.-elect, C. Patton Steele, Bismarck, N.D.; rec. sec., Ellen Anderson, Chapel Hill, N.C.

■ Special Libraries Association: pres., Chester M. Lewis, *New York Times*; 1st v. pres. and pres.-elect, Katharine L. Kinder, Johns-Manville Research Center; 2nd v. pres., Mary Jane MacDonald, Federal Reserve Bank of Kansas City.

■ Mountain States Society of Electron Microscopists: pres., Verne L. van Breen, University of Colorado Medical Center; v. pres., James O. Ball, Colorado School of Mines; sec.-treas., Stephen J. Knight, Jr., Technical Equipment Corp., Denver.

■ Society of Women Engineers: pres., Lois G. McDowell, Illinois Institute of Technology, Chicago; v. pres., Dorothea

H. Perry, Pittsburgh, Pa.; cor. sec., Roslyn K. Gitlin, New York; rec. sec., Martha J. Bergin, Boston; treas., Doris M. Gainor, Los Angeles, Calif.

■ Association of Research Directors: Maurice L. Moore, Vick Chemical Co., 122 E. 42 St., New York 17; v. pres., John H. Nair, Thomas J. Lipton, Inc.; sec.-treas., Donald W. Collier, Thomas A. Edison, Inc.

■ American Nuclear Society: pres., W. H. Zinn, Argonne National Laboratory, Lemont, Ill.; v. pres., Philip Sporn, American Gas and Electric Co., New York; treas., Karl Cohen, Walter Kidde Nuclear Laboratories, Inc., Garden City, N.Y.

Forthcoming Events

August

15-16. Operations Research Soc. of America, 7th national, Los Angeles, Calif. (R. A. Bailey, Military Operations Research Div., Lockheed Aircraft Corp., Burbank, Calif.)

15-18. American Veterinary Medical Assoc., Minneapolis, Minn. (J. G. Hardenbergh, 600 S. Michigan Ave., Chicago 5, Ill.)

15-19. American Inst. of Electrical Engineers, Pacific general, Butte, Mont. (N. S. Hibshem, 33 W. 39 St., New York 18.)

15-19. American Soc. of Agronomy and the Soil Science Soc. of America, joint meeting, Davis, Calif. (L. G. Monthey, 2702 Monroe St., Madison 5, Wis.)

15-19. Plant Science Seminar, 32nd annual, Gainesville, Fla. (C. H. Johnsen, School of Pharmacy, Univ. of Florida, Gainesville.)

15-20. International Dental Federation, 43rd annual, Copenhagen, Denmark. (W. R. Klausen, 1 Alhambravej, Copenhagen.)

17-24. Australian and New Zealand Assoc. for the Advancement of Science, 31st, Melbourne, Australia. (J. R. A. McMillan, ANZAAS, Science House, 157 Gloucester St., Sydney, N.S.W. Australia.)

17-9. Canadian Mathematical Cong., 5th summer seminar, Winnipeg, Manitoba. (Secretariat, CMC, Chemistry Bldg., McGill Univ., Montreal.)

19-28. International Conf. of Agricultural Economists, Helsingfors, Finland. (J. R. Currie, Dartington Hall, Totnes, Devonshire, Eng.)

19-30. North Central Conf. on Biology Teaching, Cheboygan, Mich. (R. L. Weaver, Box 2073, Ann Arbor, Mich.)

22-23. Electronics and Automatic Production Symposium, San Francisco, Calif. (W. D. McGuigan, Stanford Research Inst., Palo Alto, Calif.)

22-9. Wool Textile Research Conf., Sydney, Australia. (F. G. Nicholls, Commonwealth Scientific and Industrial Research Organization, 314 Albert St., East Melbourne, Australia.)

20-31. American Physical Soc., Mexico City, Mexico. (K. K. Darrow, Columbia Univ., New York 27.)

29-2. Infrared Spectroscopy Inst., 6th annual Nashville, Tenn. (N. Fuson, ISI, Fisk Univ., Nashville 8.)

29-2. International Assoc. for Hydraulic Research, 6th plenary, Delft, Netherlands. (L. G. Straub, St. Anthony Falls Hydraulic Lab., Minneapolis 14, Minn.)

29-3. Mathematical Assoc. of America, Ann Arbor, Mich. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

29-5. International Astronomical Union, Dublin, Ireland. (P. T. Oosterhoff, IAU, Leiden Observatory, Leiden, Netherlands.)

29-6. International Horticultural Cong., 14th, The Hague, Netherlands. (G. de Bakker, International Comm. for Horticulture, Bezuidenhoutseweg 30, The Hague.)

30-31. Soc. for Industrial and Applied Mathematics, 2nd general, Ann Arbor, Mich. (G. W. Preston, Research Div., Philco Corp., Tioga and C Streets, Philadelphia 34, Pa.)

30-2. American Mathematical Soc., 60th summer, Ann Arbor, Mich. (AMS, 80 Waterman St., Providence 6, R.I.)

30-2. Biological Photographic Assoc., 25th annual, Milwaukee, Wis. (L. C. Massopust, Sr., Marquette Univ. School of Medicine, 561 N. 15 St., Milwaukee 3.)

31-1. Conf. on Low Temperature Physics, Paris, France. (L. Weil, Institut Fourier, Place du Doyen Gosse, Grenoble, Isère, France.)

31-2. American Sociological Soc., Washington, D.C. (W. J. Warner, ASS, New York Univ., Washington Sq., New York 3.)

31-3. United Chapters of Phi Beta Kappa, 24th triennial, Minneapolis, Minn. (C. Billman, 1811 Q St., NW, Washington 9.)

31-7. British Assoc. for the Advancement of Science, annual, Bristol, Eng. (BAAS, Burlington House, London. W.1.)

31-8. International Cong. of Refrigeration, Paris, France. (L. Weil, Institut Fourier, Place du Doyen Gosse, Grenoble, Isère, France.)

September

1. Assoc. for Symbolic Logic, Ann Arbor, Mich. (J. Barlaz, Rutgers Univ., New Brunswick, N.J.)

2-7. American Psychological Assoc., San Francisco, Calif. (F. H. Sanford, APA, 1333 16 St., NW, Washington 6.)

2-7. Psychometric Soc., San Francisco, Calif. (J. B. Carroll, Harvard Univ., 13 Kirkland St., Cambridge 38, Mass.)

2-9. International Cong. of Anthropological and Ethnological Sciences, 5th, Philadelphia, Pa. (A. Kidder, Univ. of Pennsylvania, Philadelphia 4.)

3-7. International Council of Women Psychologists, San Francisco, Calif. (M. G. Reiman, Milwaukee County Guidance Clinic, Public Safety Bldg., Milwaukee 3, Wis.)

4-7. International Cong. of Vitamin E, 3rd, Venice, Italy. (K. E. Mason, Dept. of Anatomy, Univ. of Rochester School of Medicine and Dentistry, 260 Crittenden Blvd., Rochester 20, N.Y.)

4-11. International Cong. of Historical

Sciences, 10th, Rome, Italy. (F. Chabod, X^e Congres International des Sciences Historiques, Université, Rome.)

5-8. American Soc. for Pharmacology and Experimental Therapeutics, Iowa City, Iowa. (C. C. Pfeiffer, Dept. of Pharmacology, Emory Univ., Emory University, Ga.)

5-9. American Inst. of Biological Sciences, Michigan State Univ., East Lansing, Mich. (H. T. Cox, AIBS, 2000 P St., NW, Washington 6.)

The following 24 societies will hold their meetings along with the AIBS during the same week at East Lansing, Mich.

American Bryological Soc. (L. J. Gier, Dept. of Biology, Wm. Jewell College, Liberty, Mo.)

American Fern Soc. (M. E. Faust, 501 University Pl., Syracuse 10, N.Y.)

American Microscopical Soc. (C. J. D. Brown, Dept. of Zoology and Entomology, Montana State College, Bozeman.)

American Soc. for Horticultural Science. (F. S. Howlett, Ohio Agr. Exptl. Sta., Wooster.)

American Soc. of Human Genetics. (D. C. Rife, Ohio State Univ., Columbus.)

American Soc. of Limnology and Oceanography. (B. H. Ketchum, Woods Hole Oceanographic Inst., Woods Hole, Mass.)

American Soc. of Naturalists. (W. P. Spencer, 22F33 (F), Dept. of Genetics, Univ. of Texas, Austin 12.)

American Soc. of Plant Physiologists. (J. F. Stanfield, Dept. of Botany, Miami Univ., Oxford, Ohio.)

American Soc. of Plant Taxonomists. (R. C. Rollins, Gray Herbarium, Harvard Univ., 22 Divinity Ave., Cambridge 38, Mass.)

American Soc. of Zoologists. (R. C. Kempton, Dept. of Zoology, Vassar College, Poughkeepsie, N.Y.)

Beta Beta Beta. (B. R. Weimer, Bethany College, Bethany, W.Va.)

Biometric Soc. (C. I. Bliss, Box 1106, New Haven 4, Conn.)

Botanical Soc. of America, Michigan State Univ. (H. C. Bold, Dept. of Biology, Vanderbilt Univ., Nashville, Tenn.)

Ecological Soc. of America. (J. F. Reed, Dept. of Botany, Univ. of Wyoming, Laramie.)

Genetics Soc. of America. (C. P. Oliver, Dept. of Zoology, Univ. of Texas, Austin.)

Mycological Soc. of America. (E. S. Beneke, Botany and Plant Pathology Dept., Michigan State Univ., East Lansing.)

National Assoc. of Biology Teachers. (P. V. Webster, Bryan City Schools, Bryan, Ohio.)

Nature Conservancy. (G. B. Fell, 4200 22 St., NE, Washington 18.)

Phycological Soc. (P. C. Silva, Dept. of Botany, Univ. of Illinois, Urbana.)

Potato Assoc. of America. (R. W. Hougas, Dept. of Genetics, Univ. of Wisconsin, Madison 6.)

Soc. for Industrial Microbiology. (C. L. Porter, Dept. of Biological Sciences, Purdue Univ., West Lafayette, Ind.)

Soc. of Protozoologists. (N. D. Levine, College of Veterinary Medicine, Univ. of Illinois, Urbana.)

Soc. for the Study of Evolution. (H.

Lewis, Dept. of Botany, Univ. of California, Los Angeles 24.)

Soc. of Systematic Zoologists, (R. E. Blackwelder, 3728 Second St. South, Arlington 4, Va.)

5-9. Econometric Soc., Ann Arbor, Mich. (R. Ruggles, Box 1264, Yale Station, New Haven, Conn.)

5-10. World Cong. of Anaesthesiologists, Scheveningen, Netherlands. (W. A. Fentener van Vlissingen, WCA, Bilthoven, Netherlands.)

6-11. American Physiological Soc., Boston, Mass. (M. O. Lee, APS, 9650 Wisconsin Ave., Washington 14.)

6-16. Chicago Inst. for Hospital Administrators, 23rd, Chicago, Ill. (American College of Hospital Administrators, 620 N. Michigan Ave., Chicago 11.)

7-9. American Political Science Assoc., Boulder, Colo. (E. M. Kirkpatrick, 1785 Massachusetts Ave., NW, Washington 6.)

7-9. American Soc. of Photogrammetry, Los Angeles, Calif. (C. E. Palmer, 1000 11 St., NW, Washington 1.)

9-10. Soc. of General Physiologists, Woods Hole, Mass. (J. B. Buck, NIH, Bethesda 14, Md.)

9-10. Symposium on Electroluminescence and Photoconduction in Inorganic Phosphors, Brooklyn, N.Y. (J. J. Dropkin, Polytechnic Inst. of Brooklyn, 85 Livingston St., Brooklyn 1.)

9-12. Sigma Delta Epsilon, Minneapolis, Minn. (Mary Gojdic, Barat College, Lake Forest, Ill.)

10. International Conf. of Medical and Reference Librarians, Brussels, Belgium. (Miss C. de Looze, Oeuvre Nationale Belge de Defense contre la Tuberculose, 56, rue de la Concorde, Bruxelles.)

10-11. Soc. for Social Responsibility in Science, annual, Swarthmore, Pa. (J. Engelberg, 4715 Baltimore Ave., Philadelphia 43, Pa.)

10-15. International Cong. on Cosmic Radiation, Mexico, D.F., Mexico. (H. A. Barton, IUPAP, 57 E. 55 St., New York 22.)

11-16. American Chemical Soc., Minneapolis, Minn. (A. H. Emery, 1155 16 St., NW, Washington 6.)

11-16. Laurentian Hormone Conf. AAAS, annual, Estes Park, Colo. (Committee on Arrangements, 222 Maple Ave., Shrewsbury, Mass.)

11-18. International Cong. of Criminology, London, Eng. (State Univ. of New York, College of Medicine at New York City, 469 Clarkson Ave., Brooklyn 3.)

11-18. International Cong. of Librarianship and Documentation, Brussels, Belgium. (M. A. Baby, 8, rue de Haguenau, Strasbourg, France.)

12-13. Meteoritical Soc., 18th, Albuquerque, N.M. (J. A. Russell, Dept. of Astronomy, Univ. of Southern California, Los Angeles 7.)

12-13. Pi Gamma Mu National Convention, Allerton Park, Ill. (E. B. Urquhart, 1719 Ames St., Winfield, Kan.)

12-14. Soil Conservation Soc. of America, Green Lake, Wis. (H. W. Pritchard, Paramount Bldg., Des Moines, Ia.)

12-15. International College of Surgeons, 20th annual, Philadelphia, Pa. (K. A. Meyer, 1516 Lake Shore Dr., Chicago 10, Ill.)



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12-16. Illuminating Engineering Soc., annual, Cleveland, Ohio. (A. D. Hinckley, 1860 Broadway, New York 23.)

12-16. Instrument Soc. of America, 10th annual, Los Angeles, Calif. (Fred Tabery, 3443 S. Hill St., Los Angeles.)

13-15. American Meteorological Soc., Asbury Park, N.J. (K. C. Spengler, 3 Joy St., Boston 8, Mass.)

14-16. American Assoc. of Clinical Chemists, 7th annual, Minneapolis, Minn. (M. M. Friedman, Lebanon Hospital, New York 57.)

14-16. Assoc. for Computing Machinery, annual, Philadelphia, Pa. (J. P. Nash, Digital Computer Lab., Univ. of Illinois, Urbana.)

15-16. Corrosion Symposium, Montreal, Canada. (Chemical Inst. of Canada, 18 Rideau St., Ottawa 2.)

15-17. International Soc. for the Study of Biological Rhythm, 5th conf., Stockholm, Sweden. (T. Petrén, Karolinska Institutet, Stockholm 60.)

16-17. American Psychiatric Assoc. Midwest Regional Research Conf., Galesburg, Ill. (L. H. Rudy, Galesburg State Research Hospital, Galesburg.)

16-17. Calorimetry Conf., 10th annual, Minneapolis, Minn. (E. F. Westrum, Jr., Dept. of Chemistry, Univ. of Michigan, Ann Arbor.)

19-23. Fédération Internationale Pharmaceutique, 16th general assembly, London, Eng. (D. F. Lewis, Secy., Organizing Committee, FIP, 17 Bloomsbury Sq., London W.C.1.)

20-23. American Roentgen Ray Soc., Chicago, Ill. (B. R. Young, Germantown Hospital, Philadelphia 44, Pa.)

20-26. World Medical Assoc., 2nd congress, Vienna, Austria. (L. H. Bauer, 345 E. 46 St., New York 17.)

25-28. American Inst. of Chemical Engineers, Lake Placid, N.Y. (F. J. Van Antwerpen, AICE, 25 W. 45 St., New York.)

26-29. Assoc. of Iron and Steel Engineers, annual, Chicago, Ill. (Secretary, AISE, Empire Bldg., Pittsburgh 22, Pa.)

26-30. Atomic Industrial Forum and Trade Fair, Washington, D.C. (C. Robbins, 260 Madison Ave., New York 16.)

27-1. International Symposium on Analogue Computers, Brussels, Belgium. (P. Germain, Institut de Physique Appliquée, Université Libre de Bruxelles, 50 avenue Franklin Roosevelt, Bruxelles.)

28-30. Mississippi Valley Medical Soc., St. Louis, Mo. (H. Swanberg, 209-224 W.C.U. Bldg., Quincy, Ill.)

29-1. International Soc. of Vegetative Neurology, 6th annual symposium, Strasbourg, France. (R. Fontaine, Univ. of Strasbourg Faculty of Medicine, Strasbourg.)

30. American Medical Writers' Assoc., St. Louis, Mo. (H. Swanberg, 209-224 W.C.U. Bldg., Quincy, Ill.)

30-1. Council for International Organizations of Medical Sciences, 3rd general, Paris, France. (J. F. Delafresnaye, CIOMS, 19, avenue Kléber, Paris 16^e, France.)

30-2. Indiana Geological Field Conf., 8th. Clifty Falls State Park, Ind. (C. F. Deiss, Dept. of Geology, Indiana Univ., Bloomington.)

October

1-9. International Food Fair, Cologne, Germany. (International Trade Fair Staff, USDA, Washington 25.)

3-6. Soc. of Exploration Geophysicists, 25th annual, Denver, Colo. (C. Campbell, SEG, 624 S. Cheyenne, Tulsa, Okla.)

3-7. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S. Hibshem, 33 W. 39 St., New York 18.)

4-6. American Meteorological Soc., Stillwater, Okla. (K. C. Spengler, 3 Joy St., Boston 8, Mass.)

4-6. International Assoc. of Milk and Food Sanitarians, Augusta, Ga. (H. L. Thomasson, IAMFS, Box 437, Shelbyville, Ind.)

6-8. Optical Soc. of America, Pittsburgh, Pa. (A. C. Hardy, Room 8-203, Massachusetts Inst. of Technology, Cambridge 39.)

6-8. Soc. of Industrial Designers, 11th annual, Washington, D.C. (S. G. Swing, SID, 48 E. 49th St., New York 17.)

9-13. Electrochemical Soc., Pittsburgh, Pa. (H. B. Linford, 216 W. 102 St., New York 25.)

9-14. American Acad. of Ophthalmology and Otolaryngology, Chicago, Ill. (W. L. Benedict, 100 First Avenue Bldg., Rochester, Minn.)

10-12. American Acad. for Cerebral Palsy, annual, Memphis, Tenn. (R. A. Knight, AACP, 869 Madison Ave., Memphis 3.)

10-12. American Oil Chemists' Soc., Philadelphia, Pa. (Mrs. L. R. Hawkins, AOCS, 35 East Wacker Drive, Chicago 1, Ill.)

10-13. National Clay Conf., 4th, University Park, Pa. (T. F. Bates, College of Mineral Industries, Pennsylvania State Univ., University Park.)

10-21. New York Acad. of Medicine Graduate Fortnight on Problems of Aging, New York (R. L. Craig, 2 East 103 St., New York 29.)

12-13. Symposium on Phospholipids, London, Ontario. (R. J. Rossiter, Dept. of Biochemistry, Univ. of Western Ontario, London, Ont.)

13. Assoc. of Vitamin Chemists, Chicago, Ill. (M. Freed, 4800 S. Richmond, Chicago 32.)

13-15. Indiana Acad. of Science, Notre Dame. (W. A. Daily, Eli Lilly and Co., 740 South Alabama St., Indianapolis 6, Ind.)

16. American College of Dentists, San Francisco, Calif. (O. W. Brandhorst, 4221 Lindell Blvd., St. Louis, Mo.)

16-19. Soc. of American Foresters, Portland, Ore. (H. Clepper, 425 Mills Bldg., Washington 6.)

17-20. American Dental Assoc., annual, San Francisco, Calif. (H. Hillenbrand, 222 E. Superior St., Chicago 11.)

17-21. American Soc. of Civil Engineers, New York, N.Y. (W. N. Carey, ASCE, 33 W. 39 St., New York 18.)

18. American Soc. of Safety Engineers, annual, Chicago, Ill. (J. B. Johnson, 425 N. Michigan Ave., Chicago 11.)

18. Oak Ridge Inst. of Nuclear Studies, council meeting, Oak Ridge, Tenn. (W. G. Pollard, P. O. Box 117, Oak Ridge.)

18-19. National Acad. of Economics and Political Science, Washington, D.C. (D. P. Ray, Hall of Government, George Washington Univ., Washington 6.)

18-20. Entomological Soc. of Canada and the Acadian Entomological Soc., annual joint meeting, Fredericton, New Brunswick. (R. H. Wigmore, Science Service Bldg., Ottawa, Canada.)

18-21. American Dietetic Assoc., annual, St. Louis, Mo. (R. M. Yakel, ADA, 620 N. Michigan Ave., Chicago 11, Ill.)

19-21. Symposium on Applications of Radioactivity in Food and Food Processing Industries, Boston, Mass. (W. A. Stenzel, Tracerlab Inc., 130 High St., Boston 10.)

22. American Mathematical Soc., College Park, Md. (AMS, 80 Waterman St., Providence 6, R.I.)

22-24. American Heart Assoc., 28th annual scientific session, New Orleans, La. (Medical Director, AHA, 44 E. 23 St., New York 10.)

24-26. National Conf. on Standards, 6th, Washington, D.C. (G. P. Paine, ASA, 70 E. 45 St., New York 17.)

25-30. American Ornithologists' Union, Boston, Mass. (H. F. Mayfield, 2557 Portsmouth Ave., Toledo 13, Ohio.)

27-28. New Mexico Acad. of Science, Albuquerque. (C. C. Hoff, Dept. of Biology, Univ. of New Mexico, Albuquerque.)

27-29. Electron Microscope Soc. of America, University Park, Pa. (Miss J. R. Cooper, General Electric Co., Lamp Div., Nela Park, Cleveland 12, Ohio.)

27-29. Gerontological Soc., Baltimore, Md. (N. W. Shock, Baltimore City Hospitals, Baltimore 24.)

28-29. Conf. on Rare Earths in Biochemical and Medical Research, Oak Ridge, Tenn. (G. C. Kyker, Oak Ridge Inst. of Nuclear Studies, P.O. Box 117, Oak Ridge.)

28-30. American Soc. for Aesthetics, Chicago, Ill. (J. F. White, Western Reserve Univ., Cleveland 6, Ohio.)

31-1. East Coast Conf. on Aeronautical and Navigational Electronics of Inst. of Radio Engineers, Baltimore, Md. (G. R. White, Bendix Radio Div., Bendix Aviation Corp., Towson 4, Md.)

November

1-3. Enzymes: Units of Biological Structure and Function, International Symposium, Detroit, Mich. (C. E. Rupe, Henry Ford Hospital, Detroit 2.)

1-5. World Symposium on Applied Solar Energy, Phoenix, Ariz. (M. L. Kastens, Stanford Research Inst., Stanford, Calif.)

2-4. Symposium on Antibiotics, 3rd annual, Washington, D.C. (H. Welch, Div. of Antibiotics, Food and Drug Admin., U.S. Dept. of Health, Education, and Welfare, Washington 25.)

2-5. American Soc. of Tropical Medicine and Hygiene, Boston, Mass. (J. E. Larsh, Jr., School of Public Health, Univ. of North Carolina, Chapel Hill.)

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