

Association Affairs

The Cleveland Meeting, December 26-30, 1950

III—The Programs in Biology and Medicine

The following outline of programs in the fields of biology and medicine constitutes a third portion of the advance information on the 117th Meeting of the Association. Part I—**The Annual Science Exposition**, and Part II—**The Programs in Mathematics, Physics, Astronomy, and Chemistry** (in part) appeared in *SCIENCE* for October 27 and November 3.

PROGRAM OF SECTION C—CHEMISTRY

(Note: Sessions 1 and 2 and 3 and 4 of Section C—two two-session symposia on *Advances in Inorganic Chemistry* and *Forensic Science*—were reported last week.)

Session 5. Wednesday afternoon, December 27, Edward F. Degering, Miner Laboratories, Chicago, presiding.

1. "Seven Echoes from History." Edward F. Degering.

2. "Free Radical Aromatic Substitution." R. L. Dannley and Morris Gippin, Western Reserve University.

3. "The Structure of Heparins." M. L. Wolf from, Ohio State University; Rex Montgomery, Eastern Regional Laboratory, Philadelphia; and J. V. Karabins and P. Rathgeb, Rockefeller Institute for Medical Research.

4. "The Chemist Helps the Dentist." Frances Krasnow, Guggenheim Dental Clinic.

5. "National Cooperative Undergraduate Chemical Research Program." Mrs. Warren P. Cortelyou, Evans-ton, Illinois.

6. "Some Reactions of Ketene and Diketene." Edward F. Degering; L. L. Bolstad, Sheltering Army Hospital, Minneapolis; L. B. DeHoff, North Dakota State College; A. W. Fuhrman, Naugatuck Chemical Company; B. H. Gwynn, Gulf Research and Development Co.; J. F. Hall, Purdue University; J. M. Snyder, E. I. Du Pont de Nemours & Co.; J. A. Spence, California Research Corporation; and L. G. R. Tompkins.

7. "Quantitative Studies on Urinary Thiosulfate Excretion by Human Beings." Joseph H. Gast and Kasko Arai, Baylor University College of Medicine.

Sessions 6-7. *Symposium on Steroid Hormones*, Hal G. Johnson, Monsanto Chemical Company, presiding.

Part I. Thursday morning, December 28.

1. Introductory Remarks. Hal G. Johnson.

2. "Steroid Hormones and Aging." John E. Kirk, Washington University School of Medicine.

3. "Summary of the Chemistry and Progress Made with Cortisone." Max Tishler, Merck & Co., Inc.

4. "Physiologic Activity of Cortisone and Related Compounds." H. F. Polley, Mayo Clinic.

5. "Chemistry of the Steroidal Sapogenins." R. B. Wagner, Pennsylvania State College.

Part II. Thursday afternoon, December 28.

6. "Metabolism of Adrenocortical Hormones." K. Dobringer, Sloan-Kettering Institute for Cancer Research.

7. "Clinical Uses of ACTH." John R. Mote, Armour Laboratories.

8. "A New Route to 11' Ketosteroids via 9, 11-oxygenated Compounds." Hans Heymann, University of Oregon.

9. "Biological Introduction of Oxygen at Position 11 of the Steroid Molecule." Robert P. Jacobsen, Worcester Foundation.

Session 8. Symposium on *Antibiotics and Vitamins*, Friday evening, December 29, Herbert E. Carter, University of Illinois, presiding.

1. Introductory Remarks. "Recent Advances in the Chemistry of the Antibiotics and Vitamins." Herbert E. Carter, University of Illinois, and Stanton A. Harris, Merck & Co., Inc.

2. "Hydroxystreptomycin." J. R. Schenck, Abbott Laboratories.

3. "Stereochemistry of Streptomycin." M. L. Wolf from.

4. "Neomycin." Robert L. Peck, Merck & Co., Inc.

5. "Chemical Assay of Vitamin B₁₂ (Cyanocobalamin)." George E. Boxer, Merck & Co., Inc.

Sessions 9-10. Symposium on *Agricultural Chemicals*, Hal G. Johnson, Monsanto Chemical Company, presiding.
Part I. Saturday morning, December 30.

1. Introductory Remarks. Hal G. Johnson.

2. "The Outstanding Agricultural Chemical Developments of the Past Ten Years." L. A. Long, Agricultural Chemicals, New York.

3. "Field Testing of Fungicides." J. D. Wilson, Ohio Agricultural Experiment Station.

4. "Insecticide and Fungicide Research and Development." W. H. Tisdale, E. I. Du Pont de Nemours & Co.

5. "The Place of Herbicides in Modern Agriculture." L. V. Sherwood, Monsanto Chemical Company.

Part II. Saturday afternoon, December 30.

6. "Relationship of Halogen Position to Physiological Action in the Mono- and Polychlorophenoxyacetic Acids." J. M. F. Leaper, American Chemical Paint Company.

7. "Chemicals for the Control of Fruit Diseases." John G. Dunegan, Bureau of Plant Industry, USDA.

8. "Development of Parathion and its Place in Agriculture." J. L. Horsfall, American Cyanamid Company.

9. "Specificity of Fungicidal Action." George L. McNew, Boyce Thompson Institute.

PROGRAM OF SECTION F—ZOOLOGICAL SCIENCES

Session 1. Wednesday afternoon, December 28, business meeting.

Session 2. Thursday afternoon, December 28, joint sym-

posium of Section F and Section B—Physics on *The Implications of Nuclear Phenomena in Biology*. D. D. Van Slyke, Brookhaven National Laboratory, presiding.

1. Introductory Remarks. D. D. Van Slyke.
2. "Role of Tracer Elements in Biological Investigations." Harland G. Wood, Western Reserve University.
3. "Effects of High Energy Radiation and their Usefulness in Biology and Medicine." G. Failla, Columbia College of Physicians and Surgeons.

Session 3. Friday afternoon, December 29, joint symposium of Section F, Section I—Psychology, and the American Society of Zoologists on *Genetics and Behavior*, Calvin S. Hall, Western Reserve University, presiding.

1. "Factors in Maternal Behavior and Early Socialization." T. C. Schneirla, American Museum of Natural History. Discussant: Nicholas E. Collias, University of Wisconsin.

2. "Genetics, Temperament, and Social Behavior." J. P. Scott, Roscoe B. Jackson Memorial Laboratory. Discussant: O. H. Mowrer, University of Illinois.

3. "Gene Mechanisms and Behavior Patterns." John L. Fuller, Roscoe B. Jackson Memorial Laboratory. Discussant: Ward C. Halstead, Department of Medicine, University of Chicago.

Section F also is cosponsoring the first two parts of the four-session symposium on *Radiobiology*, which follows under Subsection Nm—Medicine.

AMERICAN SOCIETY OF PARASITOLOGISTS

The program of the 25th annual meeting of the American Society of Parasitologists begins Wednesday morning, December 27, and concludes Friday afternoon, December 29. Headquarters will be at the Hotel Hollenden. In addition to four sessions for contributed papers, the sessions of Thursday comprise:

Morning. Symposium on *Host-Parasite Relationships among the Helminths*, H. W. Manter, University of Nebraska, presiding.

1. "Host-Parasite Relationships among the Digenetic Trematoda." George R. LaRue, University of Michigan.

2. "Host-Parasite Relationships in Cestode Infections, with Emphasis on Host-Resistance." J. E. Larsh, Jr., University of North Carolina.

3. "Evolution of Zooparasitic Groups in the Phylum Nematoda." E. C. Dougherty, University of California at Berkeley.

Commemoration of the 25th anniversary of the society: W. W. Cort, The Johns Hopkins University, and E. B. Cram, National Institutes of Health.

Presidential address. "Medical Parasitology in a Changing World: What of the Future?" W. H. Wright, Laboratory of Tropical Diseases, National Institutes of Health.

Afternoon. Annual luncheon and business meeting, Ballroom of Hotel Hollenden.

Demonstration session, joint with American Society of Zoologists, Laboratories, Biology Building, Western Reserve University, Professor A. H. Hersh, Department of Biology, presiding.

AMERICAN SOCIETY OF PROTOZOOLOGISTS

The program of the American Society of Protozoo-

logists, organized at the Chicago Meeting of the AAAS in 1947, has grown to the point that, this year, there will be four paper-reading sessions on Wednesday and Thursday, December 27 and 28, and on Friday, December 29, a luncheon and business meeting, R. P. Hall, Department of Biology, New York University, presiding. All sessions will be in the Hotel Hollenden.

AMERICAN SOCIETY OF ZOOLOGISTS

The sessions of the American Society of Zoologists, with headquarters at the Hotel Hollenden, begin Wednesday afternoon, December 27, and end Saturday noon, December 30. They are as follows:

Wednesday afternoon. Symposium on *Transition from Aquatic to Land Life*, Alfred S. Romer, Harvard University, presiding.

1. "Routes That Animals Took in Emigrating from Sea to Land." A. S. Pearse, Duke University.

2. "The Reproductive and Development Problem Associated with Land Colonization." J. A. Moore, Columbia University.

3. "The Role of the Kidney in the Evolution of Land Animals from Water-dwelling Ancestors." Roy P. Forster, Dartmouth College.

Thursday morning. Four concurrent sessions in general physiology, embryology, endocrinology, and cytology and protozoology.

Thursday afternoon. Three concurrent sessions—on the campus of Western Reserve University—in cellular physiology, demonstrations, jointly with the American Society of Parasitologists, and demonstrations by motion pictures, Ralph Buchsbaum, University of Chicago, presiding.

Friday morning. Three concurrent sessions in animal behavior and sociobiology, endocrinology, and Part I of the Symposium on *Radiobiology*, jointly sponsored by Subsection Nm—Medicine, Section F—Zoological Sciences, and the American Society of Zoologists.

Friday afternoon. The two concurrent sessions are Part II of the symposium on *Radiobiology* and the symposium on *Genetics and Behavior* already described.

Friday evening. Zoologists' Dinner in the Hotel Hollenden. L. V. Domm, University of Chicago, vice president and chairman of Section F, will deliver, as his presidential address, "Sex Differentiation: Genes or Hormones."

Biologists' Smoker. The Biologists' Smoker, cosponsored by the American Society of Zoologists and the AAAS, will be in the South Exhibition Hall of the Cleveland Public Auditorium.

Saturday morning. Three concurrent sessions in general physiology, embryology, and general morphology.

SOCIETY OF SYSTEMATIC ZOOLOGY

The Society of Systematic Zoology, organized at the Annual Meeting of the AAAS in Chicago in 1947, has enjoyed a remarkable growth. The current membership is almost 800. The program of the third annual meeting of the society includes a symposium Wednesday evening, December 27, a breakfast meeting, and afternoon business meeting, Friday, December 29.

Wednesday evening. Symposium on *The Role of Sys-*

tematics in Modern Zoology. D. A. Welch, John Carroll University, presiding.

1. "The Place of Systematics in Zoology as Illustrated by Studies of the Arachnida." Alexander Petrunkevitch, Yale University.

2. "North American Natural History Museums and their Relation to Systematic Zoology." Waldo L. Schmitt, U. S. National Museum.

3. "The Application of Quantitative and Experimental Methods to Problems in Systematic Zoology." Lee R. Dice, University of Michigan.

HERPETOLOGISTS LEAGUE

Wednesday Morning, December 27, conference of Midwestern Herpetologists.

AMERICAN MICROSCOPICAL SOCIETY

Session 1. Friday morning, December 29, Hotel Hollenden, symposium on *Modern Methods for Microscopy*, Oscar W. Richards, American Optical Company Research Laboratories, Stamford, Connecticut, presiding.

1. "Introduction and Various Methods of Microscopy—Interference, Phase, Television, and X-Ray." Oscar W. Richards.

2. "The Refractive Index of Protoplasm as Determined by Microscopical Methods." Germain C. Crossmon, Bausch & Lomb Optical Co. Research Laboratories.

3. "Fluorescence Microscopy." Charles Maresh, Caleo Chemical Division, American Cyanamid Company.

4. "The Reflecting Microscope in Infrared Spectrometry." D. L. Wood, University of Michigan.

5. "Recent Advances in Biological Polarization Microscopy." H. S. Bennett, University of Washington.

6. "Polaroid Ultraviolet Color Translation Microscopy." E. H. Land, Polaroid Corporation.

Session 2. Friday afternoon, December 29, annual business meeting.

BIOMETRIC SOCIETY, EASTERN NORTH AMERICAN REGION

The program of the Biometric Society, Eastern North American Region, consists of a six-session symposium on *Mathematical Biology and Biometry*, mornings and afternoons of Wednesday, Thursday, and Friday, December 27–29. The details of this program, cosponsored by Section A, appeared in *SCIENCE* last week.

NATIONAL SPELEOLOGICAL SOCIETY

Four papers in the two sessions of the National Speleological Society, Thursday, December 28, deal with such cave fauna as snails, salamanders, and bats.

PROGRAM OF SECTION G—BOTANICAL SCIENCES

Session 1. Wednesday afternoon, December 27, contributed papers, John S. Darling, Purdue University, presiding.

1. "The Biology and Histology of the *Solidago* Leaf Gall Inhabited by *Asphondylia monacha*." Edwin G. Beck, University of Georgia.

2. "The Nature of the Gall Stimulus in the Elliptical *Solidago* Gall Caused by the Larva of *Gnorimoschema gallaesolidaginia*." Edwin G. Beck.

3. "Relation of Structure to Physiological Activity of Plant Growth-regulatory Compounds." R. L. Weintraub and J. W. Brown, Biological Department, Chemical Corps, Camp Detrick.

4. "Movement of Radioactive Calcium in White Pine and Yellow Birch." C. A. Mawson, Atomic Energy Project, National Research Council, Chalk River, Ontario, and Donald A. Fraser, Forest Insect Laboratory, Department of Agriculture, Saulte Ste. Marie, Ontario.

5. "Morphogenetic Variations of the Embryo of *Polypodium aureum* L." Max Ward, Glenville State College.

6. "Spore Characters and Spore Germination." Beverly Heller, Mistaire Laboratories.

7. "Techniques of Germination of Difficult Spores and Seeds." Clara S. Hires, Mistaire Laboratories.

8. "Diagnostic Characters of the Perispore: An Aid in the Taxonomy of *Dryopteris*." Fern W. Crane, Mistaire Laboratories.

9. "Some Preliminary Results in the Preparation of a 'Pollen Atlas.'" S. A. Cain, University of Michigan.

10. "Recent Advances in Danish Pollen Analysis." Svend T. Anderson, Danish National Museum, Copenhagen.

Session 2. Wednesday evening December 27, vice-presidential address and business meeting, Stanley A. Cain, presiding.

1. "Remarks on the Future of Section G and Botanical Meetings." John S. Karling, Purdue University, chairman, Section G.

2. Discussion.

Session 3. Thursday morning, December 28, contributed papers, Stanley A. Cain, presiding.

1. "How Vegetation is Invading Areas Made Bare by the Mexican Volcanoes Jorullo and Parícutin." W. A. Egger, Tulane University.

2. "*Scirpus Americanus* and other Plants of Recently Formed Lands at the Mouths of Distributaries of the Mississippi River." W. A. Egger.

3. "A Floristic-Ecologic Analysis of the Grass Flora of Arizona." Robert A. Darrow, Agricultural and Mechanical College of Texas.

4. "Endemic Plants and Geological History of Texas." Lloyd H. Shinnars, Southern Methodist University.

5. "Role of the American South in Systematic Botany." Lloyd H. Shinnars.

6. "Effects of Controlled Burning in the New Jersey Pine Barrens." Murray F. Buell, Rutgers University, and John E. Cantlon, George Washington University.

7. "Dating and Multiplicity of Growth Layers in Branches of Trees from the Lower Forest Border." Waldo S. Glock, Macalester College, and R. A. Studhalter, Texas Technological College.

8. "Cambial Activity in Certain Forest Trees at Chalk River, Ontario." Donald A. Fraser.

9. "Some Botanical Results of the Baird Expedition (1950) to the River Clyde Area, Baffin Land." Pierre Dansereau, University of Michigan.

Session 4. Friday morning, December 29, Symposium on *The Ecological Background of Evolution*, jointly

sponsored by the Ecological Society of America, Stanley A. Cain, presiding.

1. "Ecological Barriers." Herbert P. Riley, University of Kentucky.

2. "Aridity as a Stimulus to Plant Evolution." G. Ledyard Stebbins, Jr., University of California at Davis.

3. "Evolutionary Opportunity." Pierre Dansereau.

4. "Perspectives in the Study of Adaptation and Selection." Colin Pittendrigh, Princeton University.

5. "The Evolution of Floras versus the Evolution of Species." Edgar T. Anderson, Washington University.

Sessions 5-6. Two-session symposium on *The Structure and Analysis of Plant Communities*, jointly sponsored by the Ecological Society of America, John S. Karling, presiding.

Part I. Saturday morning, December 30.

Part A. General introduction.

1. "Some Problems raised by Standard Phytosociological Methods." Stanley A. Cain.

Part B. Secondary Grassland Studies—George Reserve, State of Michigan.

2. "The Effects of Quadrat Technique on Sample Data." Francis C. Evans, Laboratory of Vertebrate Biology, University of Michigan.

3. "Measures of Clumping Based on Contagious Distributions." George Thomson, Ethyl Corporation.

4. "The Measure of Spacing." Lee R. Dice.

Part II. Saturday afternoon, December 30.

Part C. Forest Problems.

5. "Original Forest Structure." John T. Curtis, University of Wisconsin.

6. "Quadrat and Random Pair Studies of Forest Structure." Grant Cottam, University of Wisconsin.

7. "The Practicing Forester Views the Situation." Kenneth P. Davis, Department of Forestry, University of Michigan.

PROGRAM OF SUBSECTION NM—MEDICINE

Sessions 1-4. A four-session symposium on *Radio-biology*.

Part I. Friday morning, December 29, a joint session of Subsection Nm, Section F—Zoological Sciences, and the American Society of Zoologists, Joseph H. Bodine, State University of Iowa, presiding.

1. "The Effects of Low Intensities of Radiation on Plant Development." Karl Sax, Arnold Arboretum.

2. "Plant Growth and Growth Hormone Relationships as Affected by Ionizing Radiation." Solon A. Gordon, Argonne National Laboratory.

3. "Radiation-Induced Mutations in Chemical Requirements of *Salmonella*." H. H. Plough, Amherst College.

4. "Modification of the Frequency of Radiation-induced Chromosome Changes and Mutations and their Significance." Carl P. Swanson, The Johns Hopkins University.

5. "The Genetic Effects of Radiation in Mammals." W. L. Russell, Oak Ridge National Laboratory.

Part II. Friday afternoon, December 29, a joint session of Subsection Nm, Section F, and the American Society of Zoologists, H. H. Plough, Amherst College, presiding.

1. "The Effects of Radiation on Some Chemical Com-

pounds." A. K. Solomon, Harvard Medical School.

2. "The Radiation Chemistry of Cysteine Solutions." S. L. Witcher and Mary Rotheram, University of California.

3. "Some Experiments on the Fundamental Action of X-Rays on Cells." Titus C. Evans, State University of Iowa College of Medicine.

4. "Secondary Factors Influencing the Sensitivity of Living Cells to Radiation." Alexander Hollaender, Oak Ridge National Laboratory.

5. "The Effects of Local X-Ray Irradiation upon the Development of Jaws in the Young Axolotl, *Siredon mexicanum*." V. V. Brunst, E. A. Sheremetieva-Brunst, and F. H. J. Figge, Department of Anatomy, University of Maryland.

6. "Effects of Radioactive Iodine on the Rat Thyroid." Simon Koletsky, Department of Radiology, Western Reserve University.

Part III. Saturday morning, December 30, Hymer L. Friedell, Western Reserve University, presiding.

1. "Some Effects of X-Rays on Mammalian Testicles." Lloyd C. Fogg, Pondville State Hospital, Norfolk, Massachusetts.

2. "Some Effects of Ionizing Radiation on Developing Mammalian Brain." Samuel P. Hicks, New England Deaconess Hospital.

3. "The Effects of Radiation on Water Metabolism of Rats." Abraham Edelmann, Brookhaven National Laboratory.

4. "The Effects of Ionizing Radiation on Gastrointestinal Function." Douglas E. Smith, Argonne National Laboratory.

5. "Observations of Renal Function in Patients Receiving Internally Administered Radioactive Isotopes." Lee E. Farr, Brookhaven National Laboratory.

6. "The Influence of Certain Physical and Biological Factors on the Lethal Effect of X-Radiation in Mice." Henry S. Kaplan, Stanford University.

Part IV. Saturday afternoon, December 30, G. Failla, Columbia University College of Physicians and Surgeons, presiding.

1. Vice president's address. Joseph C. Hinsey, Cornell University Medical College, and chairman, Section N—Medical Sciences.

2. "The Potential Radiotoxicity of Carbon 14." Donald L. Buchanan, Argonne National Laboratory.

3. "The Synergism Resulting from Various Radioisotopes Administered in Combination." Hymer L. Friedell, Western Reserve University.

4. "Metabolic Factors in Radiosensitivity." Harvey M. Patt, Argonne National Laboratory.

5. "Studies on the Nature of the Protective Mechanism of Glutathione against Radiation Injury." E. P. Cronkite, National Naval Medical Center, George Brecher, National Institutes of Health, and W. H. Chapman, Naval Medical Research Institute.

6. "The Treatment of Irradiation Sickness." J. Garrott Allen, University of Chicago.

PROGRAM OF SUBSECTION ND—DENTISTRY

Three sessions of papers on dental research in govern-

mental agencies are scheduled for Friday evening, December 29, Saturday morning and Saturday afternoon, December 30.

PROGRAM OF SUBSECTION NP—PHARMACY

All four sessions of Subsection Np are jointly sponsored by the American Pharmaceutical Association, Scientific Section.

Session 1. Thursday morning, December 28, contributed papers, Glenn L. Jenkins, Purdue University School of Pharmacy, presiding.

1. "Vitamin Stability Studies in Pharmaceutical Products." R. F. Prindle, Strong, Cobb & Company, Inc.

2. "The Determination and Stability of Ferrous Gluconate." Ladimer Maresh and R. F. Prindle, Strong, Cobb & Company, Inc.

3. "Diuretic Properties of Some Alkyl-Sugar Derivatives." Floyd Skelton and Gordon A. Grant, Ayerst, McKenna & Harrison.

4. "The Effect of *n*-Butanol in Sodium Salt Solutions upon Shock and the Survival of Mice Exposed to Severe Extensive Thermal Burns." R. A. Ravich and Emanuel Reviel, Institute of Applied Biology.

5. "The Determination of the Penetration of Certain Sodium Alkyl Sulfates and Sodium Sulfate through Rat and Mouse Skin." P. M. Scott, State College of Washington, L. D. Edwards, Purdue University School of Pharmacy, and J. E. Christian, Washington State College School of Pharmacy.

6. "The Isotope Dilution Procedure of Analysis." J. E. Christian, J. J. Pinajian, and W. E. Wright, Purdue University School of Pharmacy.

Session 2. Thursday afternoon, December 28, contributed papers, Albert M. Mattocks, secretary, American Pharmaceutical Association, presiding.

1. "A Study of Folic Acid Stability in Solutions of the B-Complex Vitamins." A. R. Biamonte and G. H. Schneller, Calco Chemical Division, American Cyanamid Company.

2. Khellin—Part I. "Ultraviolet, Infrared, and Polarographic Studies on Three Principles Isolated from Ammi Visnaga." S. D. Bailey and P. A. Geary, Research Division, Smith, Kline & French Laboratories; and A. E. DeWald, University of Minnesota.

3. Khellin—Part II. "Methods for the Determination of Three Principles Isolated from Ammi Visnaga Lam." W. C. Ellenbogen, E. S. Rump, P. A. Geary, and M. Burke, Research Division, Smith, Kline & French Laboratories.

4. "Analytical Problems in Pharmaceutical Products." M. G. Girbino, Strong, Cobb & Company, Inc.

5. "Antifungal Properties of Some Antihistamines." G. C. Walker, Ontario College of Pharmacy, H. George DeKay, Purdue University School of Pharmacy, and C. L. Porter, Purdue University.

Sessions 3-4. Seminar on *Hospital Pharmacy*.

Part I. Friday morning, December 29, Don E. Francke, University Hospital, Ann Arbor, Michigan, presiding.

Part II. Friday afternoon, December 29, Mrs. Evelyn Gray Scott, St. Luke's Hospital, Cleveland, presiding.

ALPHA EPSILON DELTA—NATIONAL PREMEDICAL HONOR SOCIETY

Annual luncheon and session, Thursday, December 28, Hugh E. Setterfield, School of Medicine, Ohio State University, national president, presiding.

1. "Medical Education in the World Crisis," S. Kimball, School of Medicine, University of Buffalo.

2. "Summary of the First National Conference on Premedical Education." H. E. Setterfield.

3. Informal round-table discussion. Dean Kimball will include a discussion of the present plans for assuring a continuous supply of qualified premedical and medical students as part of the preparedness program for the medical profession in the present world crisis.

AMERICAN DIETETIC ASSOCIATION

Session on Friday evening, December 29, Helen A. Hunscher, Western Reserve University, presiding.

1. "Endemic Goiter a Food Deficiency Disease." Oliver P. Kimball, Cleveland, Ohio.

2. "Rehabilitation of Children through Better Nutrition." Pauline Beery Mack, Ellen H. Richards Institute, Pennsylvania State College.

AMERICAN NATURE STUDY SOCIETY

The four days of sessions of the American Nature Study Society will be outlined later with the programs of the science-teaching societies. Biologists in general, however, will be interested in the following:

The Annual Banquet of the ANSS, Friday evening, December 29, at which Warner Seely, Cleveland Bird Club, will be toastmaster. An illustrated lecture by Arthur A. Allen, Department of Ornithology, Cornell University, will follow.

The all-day Field Trip, Saturday, December 30, jointly sponsored by the American Nature Study and the National Association of Biology Teachers. The leaders include Joseph Maddox, Ellis Persing, Harold Wallin, and Roger Tory Peterson.

SIGMA DELTA EPSILON

(Graduate Women's Scientific Fraternity)

Sigma Delta Epsilon will have four sessions during the period December 26-30. It will maintain its usual convention headquarters room at which all graduate women in science are welcome. On Wednesday, December 27, President Barbara K. Campbell, Indiana University, will preside, and the luncheon speaker will be Mary L. Sherrill, Mount Holyoke College. Winners of the Sigma Delta Epsilon Research Awards will be announced.

THE SOCIETY OF THE SIGMA XI

The Annual Address of the Society of the Sigma Xi, on Wednesday evening, December 27, will interest all biologists. "The Macromolecular Texture of Biological Materials" is the subject of an illustrated lecture by Ralph W. G. Wyckoff, scientist director of the Laboratory of Physical Biology, Experimental Biology and Medicine Institute, National Institutes of Health. Among the electron micrographs shown and discussed will be muscle, connective tissue, and nervous tissue cells, dividing cells, and plant and animal virus-infected cells.

RAYMOND L. TAYLOR

Assistant Administrative Secretary