SOCIETY
of
TOXICOLOGY

PROGRAM

THIRD ANNUAL MEETING

Williamsburg, Virginia
MARCH 9-11, 1964
OFFICERS

Paul S. Larson ___________________________ President
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(Year Elected in Brackets)

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INFORMATION

REGISTRATION

Pre-registration forms obtainable from Secretary:
Mr. Carrol S. Weil
Mellon Institute
4400 Fifth Avenue
Pittsburgh, Pa. 15213

Registration Desk—Williamsburg Lodge
Sunday, March 8—2:00 P.M. - 5:00 P.M.
Monday, March 9—9:30 A.M. - 5:00 P.M.
Tuesday, March 10—8:30 A.M. - 12:00 Noon

Fees—Society of Toxicology members: $6.00
Non-members: $10.00

Abstracts—On sale at meeting $1.00
One copy mailed to each S. O. T. member or distributed without charge to non-member registrants at Registration Desk.

Scientific Sessions—Location:
North Ballroom—Williamsburg Lodge
South Ballroom—Williamsburg Lodge

Annual Business Meeting:
South Ballroom, Monday, March 9—4:00 P.M.

SOCIAL EVENTS

Women's Tea: Monday, March 9—3:30 P.M.
The Society of Toxicology will be the host.
Room B, Conference Center.

Social Hour: Monday, March 9—6:00 P.M.
North Gallery, Williamsburg Lodge.
The Hazelton Laboratories will be the host.

Banquet: Tuesday, March 10—7:00 P.M.
Williamsburg Lodge, Virginia Room.
Tickets available at Registration Desk. Wine for the banquet provided by Dr. Oser, Food and Drug Research Laboratories.
Speaker: Dr. Horace Gerard,
"Toxicology in the Soviet Union."
MONDAY, MARCH 9

MONDAY MORNING

South Ballroom

Chairman: Seymour L. Friess
Naval Medical Research Institute
Bethesda, Md.

9:00  Altered Enzyme Activities in Livers of Rats Treated with Chemical Irritants. Sheldon D. Murphy, Harvard School of Public Health, Boston, Mass.

9:20  Metabolism of 3-Acetylpyridine to an Analog of Mandelic Acid. Lennox B. Turnbull, C. N. Lukhard and Herbert McKennis, Jr., Medical College of Virginia, Richmond, Va.


10:00  Mechanism of Hemolysis: I. In Vitro Effect of Primaquine and Menadione on TPNH Methemoglobin Reductase: Comparative Studies on Blood from Man, Dog and Swine. Andrew S. Tegeris, Food and Drug Administration, Washington, D. C.


MONDAY, MARCH 9

MONDAY AFTERNOON

South Ballroom

Chairman: Don D. Irish
The Dow Chemical Co.
Midland, Mich.

1:30 Dietary Lipogranuloma Production: Control by Saturated: Unsaturated Fatty Acid Ratios. Harold C. Hodge, Elliott A. Maynard, William L. Downs, and Bernard Panner, University of Rochester School of Medicine and Dentistry, Rochester, N. Y.

1:50 Blood Levels of Drugs in Newborn and Adult Animals: Sulfadiazine, R. E. Bagdon and H. Rudiger, Hoffmann-LaRoche Inc., Nutley, N. J.

2:10 Blood Concentrations of Tetracycline and Hydrocortisone in Newborn and Adult Dogs. H. Eisner and Earl H. Dearborn, Lederle Laboratories Division, American Cyanamid Company, Pearl River, N. Y.

2:30 Effects of Alkyl Phosphates on Intact Denervated Striated Muscle. T. A. Loomis, School of Medicine, University of Washington, Seattle, Wash.


4:00 Annual Business Meeting of the Society of Toxicology. Paul S. Larson, President, Presiding.

6:00 Social Hour
TUESDAY, MARCH 10

TUESDAY MORNING

South Ballroom

Chairman: Karl H. Beyer, Jr.
Merck Sharp & Dohme Research Laboratories
West Point, Pa.

9:00 Toxicology of Pyridimethiones. Charles L. Winek, The Procter & Gamble Company, Miami Valley Laboratories, Cincinnati, Ohio.

9:20 Acute Toxicological Studies of Some Perhalogenated Ketones. Joseph F. Borzelleca, Medical College of Virginia, Richmond, Va., and David Lester, Rutgers University, New Brunswick, N. J.

9:40 A Curious Anomaly In Acute Toxicities (Mouse) of Tropine and Pseudotropine Aryl Esters. S. L. Friess and L. J. Reber, U. S. Naval Medical Research Institute, Bethesda, Md.


11:40 A New Method of Detecting Potential Sensitizers Using the Guinea Pig. Edwin V. Bucheler, The Procter & Gamble Company, Miami Valley Laboratories, Cincinnati, Ohio.
TUESDAY, MARCH 10

TUESDAY MORNING

North Ballroom

Chairman: C. Boyd Shaffer
American Cyanamid Company
Wayne, New Jersey


9:20 Toxicological Studies of Acrylamide-Acryl
Acid Resins. D. D. McCollister, S. E. Sadek and V. K. Rowe, The Dow Chemical Co., Mid-
land, Mich.

9:40 Safety Evaluation of the Respiratory Stimu-
lation Doxapram Hydrochloride by Oral and Parenteral Administration to Laboratory Ani-

10:00 Safety Evaluation Studies on 1,3-Butylene Glycol. R. A. Scala and O. E. Paynter, Hazle-
ton Laboratories, Inc., Falls Church, Va.


10:40 Chronic Toxicity of Potassium Iodate in Dogs. Stewart H. Webster, Edward F. Stohlman and Benjamin Highman, National Institutes of Health, Bethesda, Md.


11:20 Effects of Chronic Dietary Administration of Crotalaria Spectabilis to Rats. William D'Agu-
anno, Walter H. Hansen and Kent J. Davis, Food and Drug Administration, Washington, D. C.

TUESDAY, MARCH 10

TUESDAY AFTERNOON

South Ballroom

Chairman: Harold N. MacFarland
Hazleton Laboratories, Inc.
Falls Church, Va.


1:50 Toxicity Studies on 1, 2-Difluorotetrachloroethane ("Freon-112") and 1, 1-Difluorotetra-chloroethane ("Freon-112A"). J. Wesley Clayton, Jr., Henry Sherman, Seoras D. Morrison, John R. Barnes and Dorothy B. Hood, Haskell Laboratories, E. I. du Pont de Nemours and Co., Wilmington, Del.


2:30 Inhalation and Intravenous Toxicity of Turpentine in Mice. Frederick Sperling and Calvin Collins, Howard University Medical School, Washington, D. C.


3:10 Persistent Psychiatric Symptoms from Exposure to Organophosphate Insecticides. Paul W. Smith and J. Robert Dille, Civil Aeronautical Research Institute, Oklahoma City, Okla.

3:30 Myocardial Necrosis and Differential Non-Esterified Fatty Acid (NEFA) Mobilization by Sympathomimetic Amines. Arnold J. Wohl and Ira Rosenblum, The Albany Medical College, Union University, Albany, N. Y.


TUESDAY, MARCH 10

TUESDAY AFTERNOON

North Ballroom

Chairman: Harold C. Hodge
University of Rochester
School of Medicine and Dentistry
Rochester, N. Y.


1:50  Distribution and Excretion of Inhaled and Intravenously Administered Pml47. B. O. Stuart, Hanford Laboratories, General Electric Co., Richland, Wash.


2:50  Concentration of DDT in Brain and Other Tissues in Relation to Symptomatology. Wayland J. Hayes, Jr. and William E. Dale, Communicable Disease Center, U. S. Public Health Service, Atlanta, Ga.


3:30  Psychopharmacological Effects of 1-Naphthyl N-Methyl Carbamate (SEVIN® Insecticide) Alone and in Combination with Various Therapeutic Agents. M. E. Goldberg and H. E. Johnson, Mellon Institute, Pittsburgh, Pa.


7:00  Society of Toxicology Banquet — Virginia Room.
Speaker—Dr. Horace Gerarde, Esso Research and Engineering Co., Linden, New Jersey. "Toxicology in the Soviet Union."

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WEDNESDAY, MARCH 11

WEDNESDAY MORNING

South Ballroom

Chairman: Horace W. Gerarde
Esso Research and Engineering Co.
Linden, N. J.

9:00 Preliminary Observations on the Carcinogenous Activity of 4,4'-Dinitrophenyl. Souheil Laham, Harold C. Grice and John W. Sinclair, Food and Drug Directorate, Ottawa, Canada.

9:20 Ethanol and the Carcinogenicity of N-Hydroxy-N-2-fluorenlyacetamide In Male and Female Rats. J. H. Weisburger, R. S. Yamamoto and S. R. Pai, National Cancer Institute, Bethesda, Md.


11:20 Biochemical Studies on the Toxicity of 1,1-Dimethylhydrazine. F. N. Dost, D. J. Reed and C. H. Wang, Oregon State University, Corvallis, Ore.

WEDNESDAY, MARCH 11

WEDNESDAY MORNING

North Ballroom

Chairman: Victor A. Drill
G. D. Searle & Co.
Chicago, Ill.

9:00 Reticuloendothelial Phagocytic Response in Acute CCl₄ or Allyl Formate Poisonings. O. M. Meredith, Lockheed Missiles & Space Co., Palo Alto, Calif., and Jane Post and John Holmes, University of California School of Medicine, Los Angeles, Calif.

9:20 The Effect of Temperature and Spinal Cord Transection on CCl₄ Hepatotoxicity. Gabriel L. Plaa and Robert E. Larson, State University of Iowa College of Medicine, Iowa City, Iowa.


10:00 Functional and Histopathological Evaluation of Pericholangitis Induced by Aryl Isothiocyanates. Bernard A. Becker and Gabriel L. Plaa, State University of Iowa College of Medicine, Iowa City, Iowa.


11:20 Screening Against the Teratogenic Effects of Drugs. Robert M. Diener and Bebe Y. D. Hsu, Ciba Pharmaceutical Co., Summit, N. J.

APPOINTED COMMITTEES

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