

when it is used, the results be interpreted in terms of reducing substances present.

SALLY KELLY

Department of Plant Science,
Vassar College

Note on the Chemistry of Dramamine

In the treatment of various allergies by the antihistaminic drugs which have appeared so profusely in the last few years, there have been observed undesirable side reactions, such as drowsiness, which detract from their usefulness. Attempts have been made with certain of the antihistamines to offset the drowsiness by chemical combination with the methyl xanthines, selected because of their central nervous stimulating properties. Because of the low ionization constants of the methyl xanthines, however, no stable salts were obtained.

The chemical problem has been solved in the case of β -dimethylaminoethyl benzohydril ether (Dramamine) by

the use of 8-chlorotheophyllin, which has a high enough ionization constant to form a stable salt.

The salt is readily made by dissolving the 8-chlorotheophyllin with a slight excess of the base in any suitable hot organic solvent, such as methyl ethyl ketone or ethanol. On cooling, it precipitates as a nice sandy material in almost quantitative yield based on 8-chlorotheophyllin, mp 101–3° C, empirical formula $C_{24}H_{30}O_3N_5Cl$.

Analysis:	Theory %		Found %	
Chlorine	7.55	7.45	7.46	7.51
Basic N	2.98	2.98	2.98	
8-Chlorotheophyllin	45.67	45.65	45.62	

The use of this compound in preventing motion sickness was reported by Leslie N. Gay and Paul E. Carliner at the meeting of the Johns Hopkins Medical Society, February 14, 1949, and a statement was published in *Science*, April 8, 1949.

JOHN W. CUSIC

G. D. Searle and Company, Chicago

Association Affairs

K. Lark-Horovitz, head of the Department of Physics and director of the Physical Laboratory at Purdue University, has been elected general secretary of the AAAS for the term ending 1952. His election follows a brief period of service to complete the unexpired term of the late Otis W. Caldwell.

Dr. Lark-Horovitz is best known for his researches in the physics of solid state and nucleonics and for his recent experimental investigations and theoretical interpretations of the behavior of electronic semiconductors. He is chairman of the Cooperative Committee on the Teaching of Science for the association and was one of the contributors to Vol. IV of the President's Scientific Research Board Report.

The new secretary will also serve on the Publications Committee.

Affiliated and Associated Societies¹ Meeting with the AAAS New York, December 26–31

Nearly all of the affiliated and associated societies meeting with the American Association for the Advancement of Science at its 116th Annual Meeting in New York City, December 26–31, 1949, have reported the preliminary estimates of their session room requirements. The following list of individual meetings is compiled from the reports of the secretaries of these societies and sections. (The exact dates of each within the six-day period are tentative in only a few instances.)

AAAS.—Presidential Session and Reception of AAAS, evening of Dec. 28; Symposia sponsored by AAAS, after-

noon of Dec. 29. (Association headquarters hotel, Statler.)

A—Mathematics.—American Mathematical Society, Dec. 27–29; Institute of Mathematical Statistics;² Mathematical Association of America, Dec. 29, 30. (Mathematicians Headquarters hotel, Governor Clinton.)

B—Physics.—Section B, Dec. 29, 30.

C—Chemistry.—Section C, Dec. 29–31. Phi Lambda Upsilon.

D—Astronomy.—Section D.

E—Geology and Geography.—Section E and Geological Society of America, joint meeting; American Geographical Society of New York; Association of American Geographers; National Geographic Society, Annual Lecture, afternoon of Dec. 27.

F—Zoological Sciences.—Section F; American Society of Parasitologists, Dec. 27–29 (including demonstrations at Columbia); American Society of Zoologists, Dec. 28–30; Society of Systematic Zoology, Dec. 29. Zoologists' headquarters hotel, Statler.)

FG—Zoological and Botanical Sciences.—American Microscopical Society, Dec. 27 and 30; American Society of Limnology and Oceanography, Dec. 28–30; American Society of Naturalists, Dec. 30 (Biologists' smoker probably Dec. 29); Beta Beta Beta Biological Fraternity, Dec. 28; Biometric Society, Eastern North American Region; Ecological Society of America, Dec. 27–29; Genetics Society of America, Dec. 28–30 (including demonstrations at Columbia); American Society of Human Genetics; National Association of Biology Teachers, Dec. 27–30; Society for the Study of Evolution, Dec. 27–30, a panel discussion of "Botany in the Service of Mankind."

¹ Notices of the dates and places of the meetings of affiliated and associated societies, not meeting with the AAAS, appear in *Science* and *The Scientific Monthly* whenever that information is sent in directly to the editorial offices.

² These societies also are participating in the programs of the Allied Social Science Association organizations which are meeting at the same time in the Grand Central Zone of New York City.