

SOCIETY FOR INVERTEBRATE PATHOLOGY

NEWSLETTER

Volume I, Number 3.

June 7, 1968

SPECIAL NOTICE

First Annual Meeting (with AIBS) September 3-7, 1968, at Columbus, Ohio

YOU SHOULD ALL HAVE YOUR APPLICATIONS TO AIBS IN !

ELECTION RESULTS

The following is a list of your new officers for the Society, who will take over the reins after the Annual Meeting in Columbus, Ohio in September:

President	Albert K. Sparks
Vice-President (President elect)	C. Vago
Secretary-Treasurer	Harold E. Welch
Trustee on Council	K. Aizawa A. M. Heimpel
Honorary Membership	Enrico Masera

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MEETING PROGRAM

MONDAY AFTERNOON, SEPTEMBER 2

1:00 Council Meeting, Edith Cockins Hall, Room 111-B

TUESDAY MORNING, SEPTEMBER 3

1:30 Society for Invertebrate Pathology Plenary Session

Opening Remarks: The Decade from Prague to Columbus

Presidential Address: "Be Favorable to Bold Beginnings"
Edward A. Steinhaus

Guest Speaker: "Integuments of Plants and Animals as Challenging Models for Comparative Pathology and Oncology"

Hans E. Kaiser, Department of Anatomy, George Washington U. and National Aquarium, Washington, D. C.

Business Meeting

TUESDAY EVENING, SEPTEMBER 3

6:30 Annual Supper-Ohio Stater (Members only)

Supported by International Minerals and Chemical Corporation

WEDNESDAY MORNING, SEPTEMBER 4

Contributed Papers

- 9:00 Introduction
- 9:10 Johnson, Phyllis T. University of California, Irvine. The in vitro response of sea urchin coelamocytes to introduced bacteria.
- 9:25 Hink, W. Fred. Ohio State University, Columbus. Hemocytes and immune responses in larvae of Galleria mellonella (Insecta/Lepidoptera)
- 9:40 Cooper, Edwin L. University of California, Los Angeles. Transplantation immunity and the cell response in oligochaetes.
- 9:55 Cheng, Thomas C. University of Hawaii. Chronological and species-specific changes in hemolymph protein fractions of Helisoma duryi normale experimentally challenged with bacteria.
- 10:10 Rifkin, Erik and Cheng, Thomas C. University of Hawaii. An electron microscope study of the formation and structure of encapsulating cysts in Crassostrea virginica in response to Tylocephalum Metacestodes.
- 10:25 Sutor, E. C. and Paul, F. National Naval Medical Center, Bethesda, Maryland. Culture of Rickettsiella popilliae and Wolbachia persica in Grace's continuous lines of insect cells.
- 10:40 Cecil, Jack T., Ruggierri, George D., and Nigrelli, Ross F., Osborn Laboratories of Marine Sciences, New York Aquarium. Cytological anomalies in tissue cultured cells treated with saponin fractions derived from various echinoderms.
- 10:55 Cecil, Jack T. Osborn Laboratories of Marine Sciences, New York Aquarium. Latent cell culture development of heart tissue from the surf clam Spisula solidissima (Cillwyn)
- 11:10 General discussion

WEDNESDAY AFTERNOON, SEPTEMBER 4

- 1:40 Yevich, Paul P. and Pringle, Benjamin H. National Marine Water Quality Laboratory, West Kingston, R. I. Histopathologic effects of metals (Zn, Cu, Cd, and Cr) on quahogs (Mercenaria mercenaria) and oysters (Crassostrea virginica)
- 1:55 Mortimore, Betty, Vaughan, Alice, and Ducoff, H. S. University of Illinois. Evidence against infection as a factor in the mortality of irradiated beetles.
- 2:10 Luthy, P. and R. S. Soper. Insect Pathology Research Institute, Sault Ste. Marie, Ontario, Canada. Occurrence of a bacterial septicemia in nymphs of the cicada, Okanagana rimosa.
- 2:25 Colwell, R. R. and Lovelace, T. E. Georgetown University, Washington, E. C. Bacteria associated with the invertebrate, Crassostrea virginica.
- 2:40 Perkins, Frank O. Virginia Institute of Marine Science. Sporulation in the oyster pathogen, Minchinia costalis (Haplosporida, Haplosporidiidae), an electron microscope study.
- 3:00 Dimmitt, W. A. and Stairs, G. R. Ohio State University, Columbus. Evidence for the pleomorphic nature of a nuclear polyhedrosis virus of the wax moth Galleria mellonella (L.)
- 3:15 Dulmage, Howard T. U.S.D.A., Brownsville, Texas. Bacillus thuringiensis and the pink bollworm: A survey of the activities of the various serotypes of this Bacillus.
- 3:30 Morris, Oswald N. Department of Forestry and Rural Development Victoria, B. C. Susceptibility of forest insects of British Columbia to commercially produced Bacillus thuringiensis.
- 3:45 Wittig, Gertraude, Forest Insect and Disease Laboratory, Corvallis, Oregon. Contribution of hematology to insect pathology.
- 4:00 Roberts, Donald W. and Granados, Robert R. Boyce Thompson Institute for Plant Research, Yonkers, New York. A pox-like virus of lepidopterous larvae.
- 4:15 Chen, C. B. and Cheng, D. W. Taiwan Sugar Experiment Station, Taiwan, China. Green muscardine fungus, cultivation and use against sugar cane insects.
- 4:30 General Discussion

WEDNESDAY EVENING, SEPTEMBER 4

- 8:00 Society Schnapps Nite (Members only)

THURSDAY MORNING, SEPTEMBER 5

Pathology Roundtable

Resistance to disease in invertebrates with particular reference to Crustacea and Mollusks.

Aaron Rosenfield, Convener

Luncheon--Ohio Union (Members only)

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ANNOUNCEMENTS

President Edward A. Steinhaus, who happens also to be Editor-in-Chief of the *Journal of Invertebrate Pathology*, would like it made clear that as Editor he has nothing to do with determining production policies or the subscription price of the *Journal*. These, and all other noneditorial matters are established solely by Academic Press, Inc., the owners and publishers of the *Journal*. The editorial policies are made under the auspices of the Society. It should be reported that in order to publish rapidly the increasing number of acceptable manuscripts, Academic Press is making an effort to standardize the production, size, and times of publication of the *Journal* in spite of the skyrocketing costs occurring in the printing industry.

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Dr. Carlo Ignoffo, Chairman of the Membership Committee, has asked me to announce the identity of his committee and their respective territorial responsibilities.

Dr. R. Goodwin - Australia and the South Pacific
Dr. G. Bell - Western Canadian Provinces
Dr. M. Laird - Eastern Canadian Provinces
Dr. J. Weiser - Eastern Europe
Dr. J. Lipa - Poland
Dr. J. Franz - Western Europe
Dr. H. Burges - Great Britain and Scandanavia
Dr. C. Vago - Southern Europe
Dr. Narasimhamurti - India, Pakistan, Egypt, Ceylon, Israel
Dr. K. Aizawa and Dr. H. Aruga - Japan
Dr. G. Allen - South East U.S.A.
Dr. D. Roberts - North East U.S.A.
Dr. H. Dulmage - South West U.S.A.
Dr. G. Stairs - North Central U.S.A.
Dr. Y. Tanada - Pacific Coast U.S.A.

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All applications for admittance to the Society should still be sent to:

Dr. A. M. Heimpel
Secretary-Treasurer
Insect Pathology Laboratory
Building A, ARC
Beltsville, Maryland 20705

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International Biological Program

Many colleagues feel that the International Biological Program has not received the publicity due to such an active world-wide scientific project. This publicity depends in part on the activity of National IBP committees; in many cases finances dictate the amount of activity, but to some extent the interest of local scientists is involved. This comment does not supercede any official information; it is intended as an invitation to all invertebrate pathologists to participate in the international projects of this program.

Currently, projects of interest to invertebrate pathologists center about the Use and Management Section of the IBP where the theme Biological Control is devoted to joint studies of a selected group of important pests. These are as follows:

- a. Aphids of world importance, esp. Myzus persicae.
- b. Codling moth and fruit tree tortricids.
- c. Fruit flies of major economic importance.
- d. Rice pests, especially stem borers.
- e. Spider mites of the Tetranychus telarius complex.
- f. Scale insects of the Diaspididae family.
- g. Zoogeography of insect disease.

All insect pathologists will understand the problems involved; these include - fungus infection in aphids, the complex of protozoa, fungi, viruses and nematodes affecting the codling moth and other tortricids; diseases of Dacus, Oscinella, Rhagoletis and others; virus infection in spider mites as well as fungi that play an important role, and in scale insects the various fungi that are among the most important control factors. The distribution and representation of diseases in pests of world-wide importance might offer a key for evaluation of their role in different climates and using various combinations of pathogens both in natural and intensively cultivated areas.

There are no international funds available for this work, but interested scientists might desire to plan and accumulate common techniques and programs. The Society for Invertebrate Pathology could be an excellent organization for international coordination of this research.

Jaroslav Weiser

(The Secretary of the Society would be interested in comments on Dr. Weiser's proposals to present to the Council.)

A. M. Heimpel

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CHANGE OF ADDRESS

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