

sip

newsletter

society for invertebrate pathology

Volume XII, Number 4
December, 1980

1981 Meeting

The 14th Annual Meeting of the Society for Invertebrate Pathology will be held at Bozeman, Montana, U.S.A. on August 17-21, 1981. See the "Advanced Information" insert in this issue for further details. Call for papers will be coming in the next issue of the Newsletter.

Reprints Available

Several reprints of publications by the late KENNETH M. HUGHES (1917-1980) are still available for distribution, and can be obtained by contacting Dr. Mauro E. Martignoni, Forestry Sciences Lab., 3200 Jefferson Way, Corvallis, Oregon 97331 U.S.A.

Minutes of XIII Annual Meeting of SIP held at Univ. of Washington, Seattle, Wash., July 30, 1980

The meeting was called to order by Vice President Johnson (presiding in the absence of President Weiser) at 9 a.m. Johnson welcomed members on behalf of President Weiser. She announced that the Seattle meetings commemorate the original organizational meeting presided over by Edward Steinhaus. Recognition was also given to the Local Arrangements Committee, headed by Al Sparks; members of Council; the Nominating Committee; Heads of Committee; and, particularly, the Program Committee Chairperson, Aaron Rosenfield, and Editor of the NEWSLETTER, Aris Domnas, both of whom were resigning their positions.

Following an announcement by the Chair the members reflected on the deaths of Ken Hughes and Art Heimpel during a short period of silent meditation. Johnson announced the pending retirement of Past President, Tom Angus, and recounted his years of service to SIP.

Secretary Henry announced that the minutes of the previous business meeting had been published in the NEWSLETTER. Al Sparks moved that the minutes be accepted as published, second by Angus.

Treasurer Maddox reported total receipts of \$17,225.53, which included \$2,876.73 that was brought forward from the preceding year. Disbursements were \$13,105.82, leaving a balance on hand as of July 22, 1980 of \$4,119.53. He mentioned that the Society has \$565 Canadian dollars in the bank of Kingston, Ontario, Canada and that the money probably would be used by incoming Secretary, Oswald Morris. SIP currently has

625 members, 429 of whom have paid their annual dues. Subscriptions to the Journal of Invertebrate Pathology number 120, which was down 23 from 1979. Only 19% of the membership of SIP subscribe to the journal. Motion to accept the treasurer's report by Cunningham, second by Davidson. Vice President Johnson made a plea for members to subscribe to the JIP.

Reports of committees presented at the Council meeting will be published in the NEWSLETTER. It was announced that the constitutional amendments were in final draft and that they must be voted upon by the membership. The amendments would be published in the NEWSLETTER for membership approval. The constitutional revisions will not be completed for approximately two and one-half years. Sparks moved that the constitutional amendments as published in the hand-out passed out to the membership at the meeting be accepted in block form, for membership approval; seconded by Angus.

Following a short discussion Harshbarger amended the motion to separate sexist references from the substantive changes in the amendments. It was seconded by Domnas. Considerable discussion followed, particularly by Harshbarger, in opposition to the changes made to eliminate sexual bias from the constitution. Constitution Committeeperson Martignoni pointed out that a number of other society constitutions were consulted, as well as published references, and that the currently approved non-sexist language was adopted for the SIP Constitution. Harshbarger substituted the amended motion that the sexism related terms of chairman and chairperson be separated from other apparently sexist terms in the Constitution. Domnas concurred with his second. When voted upon, the amended motion failed to carry. A vote was then called for on the original motion by Sparks for block approval. Motion carried by 33-1.

It was announced that Council had agreed to submit a recommended dues increase to the membership. Treasurer Maddox pointed out that printing and mailing costs of the NEWSLETTER alone had increased so much that the dues barely covered the costs. It was proposed that the dues be increased to \$11 per year for non-U.S. members, \$12 per year for U.S. members, which includes AIBS membership, and \$4 per year for students. Vice President Johnson pointed out that a vote was not required at the present business meeting, but that it was important for members to respond to the ballot in that a quorum limitation was involved in the passage of a dues increase.

Dr. Johnson pointed out that the Council had given approval to the organization of the Division of Microbial

Control and that the organization of the new division was proceeding under the ad hoc chairmanship of Dr. J.D. Harper. Dr. Johnson announced that the Directory for Invertebrate Pathology had been completed and was being mailed out to members. Council had agreed to a request by Dr. Briggs for an additional \$200 for distribution of the directory.

Future meeting sites were announced:

- 1981 - Bozeman, Montana. SIP would meet alone.
- 1982 - Sussex, England in conjunction with the International Colloquium for Invertebrate Pathology. Concurrently there will be a workshop at Pennsylvania State University in conjunction with AIBS.
- 1983 - At Cornell, Ithaca, New York, pending organization of a local arrangements committee.

Under new business Vice President Johnson announced that the SIP will join the Pacific Science Council for one year. Council agreed on payment of \$25 for an individual membership in order to evaluate the merits of SIP membership in the Council.

Secretary Henry announced the results of the elections as follows:

- President - Dr. Phyllis Johnson
- Vice President - Dr. Wayne Brooks
- Secretary - Dr. Oswald Morris
- Treasurer - Dr. James Harper
- Council - Dr. Peter Luthy, Dr. Terry Couch

Standing in for President Welser, Past President Tom Angus passed the gavel to incoming President Phyllis Johnson, who made a brief acceptance speech.

Meeting adjourned on motion by Couch, second by Harshbarger, at 10:35.

J.E. Henry
Secretary

addition to the early appointment and functioning of the nominations committee I strongly recommend and urge that members who are willing to run for office contact an officer or the committee to indicate their willingness. This is particularly important for non-U.S. members. Because of the necessity for paying bills in U.S. currency from an account in a U.S. bank, the Treasurer is the only office that should be held by a U.S. member.

Another problem becoming increasingly apparent, and one that will be addressed by Council, is publication of the Newsletter. The new deadline (June 1) for counting ballots and the generally earlier times of some recent meetings do not fit with an orderly quarterly publication of the Newsletter. Specifically, when ballots are counted after June 1, the results cannot be reported in the spring issue of the Newsletter. Similarly, early meetings require that the usual summer issue, which traditionally contains the meeting program, be sent out in early July. One solution would be to reduce the number of issues to 3 per year, which, because of the increasing cost of printing and mailing the Newsletter, may be a viable option.

This year only 40 letters were sent to members in arrears for payment of dues. This number is lower than the past several years and is due to several factors, including the excellent work by Treasurer Joe Maddox in putting the membership rolls in order.

Although the job as secretary occasionally has been demanding and at times frustrating, it has been an enjoyable learning experience. Certainly my task would have been much more difficult had it not been for the fine job by Editor Aris Domnas who put out the Newsletter without any help from me. I would like to express my gratitude and best regards to Aris, SIP officers, and other members who have helped me to carry out the duties as Secretary during these past two years.

J.E. Henry
Secretary

Financial Statement of SIP for the Period
August 21, 1979 - July 22, 1980

Receipts

Balance on hand Aug. 20, 1979	\$2,876.73
<u>Membership dues</u>	
Regular	2,820.00
Student	60.00
Sustaining	700.00
	<u>3,580.00</u>
Division on Microsporida	<u>56.00</u>
AIBS affiliation dues (U.S. members only)	<u>229.00</u>
Interest	<u>117.26</u>

SIP COMMITTEE REPORTS

Report of the Secretary

One point that should be addressed is the nominations of candidates for office. This past year problems developed because the committee was appointed and began functioning late after which they had difficulty in finding members willing to serve. Certainly the committee has to be functioning long before 1-2 months prior to the deadline for submitting the slate of nominees. Many of you probably observed that U.S. members dominated the past ballot. A number of non-U.S. members originally were nominated who then refused to stand for nomination. After that, because of lack of time for overseas correspondence, emphasis was placed on selecting qualified U.S. and Canadian members in order to put a slate of nominees together in time for publication in the Newsletter. Even so the Newsletter was delayed because of the late nominations. In

Journal of Invertebrate
Pathology
Subscriptions 1979

U.S.	200.00	
Other	160.00	<u>360.00</u>

Journal of Invertebrate
Pathology
Subscriptions 1980

U.S.	3,726.00	
Other	2,737.75	<u>6,463.75</u>

Miscellaneous

Dues in arrears	302.24	
Dues paid in advance	170.00	
Receipts from Prague Abstracts & Proceed- ings	70.37	<u>542.61</u>

Profit on 1979 Gaines-
ville meeting

		<u>1,300.00</u>
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Fogarty International
Center Grant (remain-
der for Prague travel)

		<u>1,700.00</u>
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TOTAL \$17,225.35

Disbursements

Journal orders (Vols.
33, 34) Academic Press

		<u>360.00</u>
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Journal orders (Vols.
35, 36) Academic
Press

		<u>6,520.00</u>
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Newsletter

Printing & envelopes, Triangle Press	1,163.34	
Postage & Miscell- aneous expenses (artwork, typing, etc.)	1,551.29	<u>2,714.63</u>

AIBS affiliation dues

		<u>360.00</u>
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AIBS mailing labels,
membership lists, etc.

		<u>311.63</u>
--	--	---------------

Collection fees on foreign
cheques, bank costs, losses
on foreign currency ex-
change

		<u>50.76</u>
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Program for Gainesville meeting

		<u>251.05</u>
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Officers' expenses

Treasurer - member billing, corres-
pondence, envelopes, paper, copy-
ing, etc.

	47.49	
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Postage

210.00	<u>275.49</u>
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Secretary - correspondence,
ballots, printing costs -
ballots and brochure on
officer candidates

142.60	
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Postage

180.00	
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Telegram

7.41	<u>330.01</u>
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Other officers - postage, mis-
cellaneous expenses

	<u>50.25</u>
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Partial support of Directory of In-
vertebrate Pathologists - J.D. Briggs

	<u>200.00</u>
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Fogarty International Center travel
grant, final payment to members for
travel to Prague

	<u>1,700.00</u>
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TOTAL \$13,105.82

Balance on hand July 22, 1980 4,119.53

TOTAL \$17,225.35

The Society has an additional \$565 (Canadian)
in a bank at Kingston, Ontario, Canada earning 10%
interest. This money, the proceeds from the SIP
Kingston meeting, will not be transferred until need-
ed or the exchange rate is more favorable for trans-
fer to U.S. funds.

SIP currently has 625 members (56 students),
429 of whom have paid their 1980 annual dues. The
dues status of our membership is as follows:

Paid through 1977 ---	40
1978 ---	52
1979 ---	104
1980 ---	419
Paid beyond 1980 ---	10
<u>Total---</u>	<u>625</u>

The above breakdown is very similar to the 1979
status, which was as follows:

Paid through 1976 ---	37
1977 ---	62
1978 ---	92
1979 ---	416
Paid beyond 1979 ---	11
<u>Total---</u>	<u>618</u>

Journal subscriptions numbered 120; 69 U.S. and
51 from other countries. Journal subscriptions were
down 23 from 1979 and only 19% of our membership cur-
rently subscribe to the Journal.

J.V. Maddox
Treasurer

Annual Report of the Editor-in-Chief
Journal of Invertebrate Pathology

The Journal continues to be healthy and is now considered the major international journal in Invertebrate Pathology. This is evidenced by large number of manuscripts we are receiving from the most prestigious laboratories in the world.

During the period from July 1, 1979 to June 30, 1980 a total of 202 manuscripts were received. Of these, 80 were accepted for publication and 93 are still being processed. Twenty-nine were rejected. These figures are comparable to those of the previous four years.

Because of the soaring costs for paper, printing, binding, and mailing, your Editor is in agreement with the officers of Academic Press that we should not increase the number of pages and volumes per year. Any increase will result in a significant elevation of the subscription rate.

As of 30 June, 1980 the number of subscribers to JIP are as follows:

	<u>U.S.A.</u>	<u>Foreign</u>	<u>Total</u>
Institutional	361	430	791
Individuals	<u>88</u>	<u>62</u>	<u>150</u>
Total	449	492	941

The total number of subscriptions for the past decade are:

1970	-----	911
1971	-----	855
1972	-----	845
1973	-----	939
1974	-----	930
1975	-----	837
1976	-----	877
1977	-----	861
1978	-----	870
1979	-----	941

It is apparent from the above that the number of subscriptions is up slightly. However, since only 88 U.S. members of SIP are currently subscribing, the Society must encourage more to take on this responsibility.

With the fine cooperation of the members of the Editorial Board, the flow of manuscripts from the day of receipt to publication has been shortened. It is noted, however, that there are three members who are still slow. This is not their fault because it is well known that they have busy travelling schedules. Yet, everyone will agree that they are internationally recognized authorities in their specialties and it is to the Journal's credit to have them on the Board. As it stands, with exceptions due primarily to the tardiness on the part of authors in revising manuscripts and the carelessness of others in not follow-

ing the Instructions to Authors, an average of 7 months is required from the date of receipt to appearance of the published work.

As announced in a recent number of the SIP Newsletter, the Journal of Invertebrate Pathology will now be included in both the "Agriculture, Biology & Environmental Sciences" and "Life Sciences" editions of Current Contents. The credit for bringing this desirable event about is shared by President Elect Phyllis T. Johnson and the officers of Academic Press. The listing of JIP in both editions of Current Contents will give the authors wide visibility.

Finally, as first announced in the July 1980 number of the Journal, your Editor is moving to head up a new department at the Medical University of South Carolina. The new address commencing July 1, 1980 is:

Thomas C. Cheng, Editor
The Journal of Invertebrate Pathology
Marine Biomedical Research Program
Medical University of South Carolina
P.O. Box 12559 (Fort Johnson)
Charleston, South Carolina
U.S.A. 29412

Thank you

Thomas C. Cheng
Editor-in-Chief, and
Chairman Editorial Committee

Permanent Program Committee Report

This year has been one of the most active for the Permanent Program Committee. The Seattle meeting, because of a change in the original site of Irvine to Seattle, caused a considerable amount of modification to the plans that had already been formulated. Thanks to Dr. Albert Sparks and his staff, Ms. Sharon Christensen and the staff of the Unit of Conferences Institute, University of Washington, and Mrs. Muriel McNelis of the Oxford Laboratory, a program was conceived and developed, resulting in what we have for this year's meeting.

In anticipation of the 3rd International Colloquium in 1982, A. Rosenfield has been in touch with members of the Local Organizing Committee in Littlehampton, England (particularly Dr. Burges). Discussions were held on themes, symposia, potential invited speakers, and additional workshops, locations and travel, logistics, etc. The possibility of holding a Molluscan and Crustacean Workshop in conjunction with the Congress was also discussed. The Committee feels that it would be desirable to hold such a conference immediately before or after the Congress. Potential meeting sites are: in England, Weymouth and London; and in France, Nantes and possibly Brest. These sites are still to be negotiated.

The Committee will consider the possibility of holding a local information workshop with AIBS in 1982 at Pennsylvania State University, University Park, for members who will be unable to attend the Congress. In keeping with the past procedure, the Committee is recommending the following sites for future meetings:

- 1981 Montana State University, Bozeman,
Montana (has received Council
approval)
- 1982 University of Sussex, Brighton,
England (has received Council
approval, but Council approval
is needed for the Molluscan and
Crustacean Pathology Conference
to be held immediately before or
after the Congress. The Committee
recommends Nantes or Brest, France).
- 1982 Pennsylvania State University,
University Park, Pennsylvania:
Local and informal Workshop (Council
approval needed).
- 1983 Cornell University, Ithaca, New
York, with Society of Protozoology
(Council approval needed).
- 1984 University of Wisconsin, Madison,
Wisconsin (Council approval needed).

The Permanent Program Committee this year included A. Rosenfield (Ch.), John Harshbarger, and P.T. Johnson, who served as proxy to President Weiser, Chairperson of the Microsporidan Division, and an ex officio member of the Committee.

As Permanent Program Chairperson for the past six years, I feel that it would be appropriate to permit others to have the opportunity to serve in this capacity. Consequently, I request Council to accept my resignation, with the knowledge that my tenure as Permanent Program Committee Chairperson has been one of the most gratifying and enlightening experiences of my career. It goes without saying that without the help of other members of the Committee, particularly John Harshbarger, and without the full support of the membership and its officers, the modest success we have had would not have been possible.

I thank the membership for the opportunity they have given me to conscientiously serve the Society, and have full confidence that even better programs and more successful meetings will be part of our future.

Aaron Rosenfield
Chairperson

Report of the Membership Committee

The membership of our Society now stands at 631. We have 625 individual members (56 student, 569 founding, charter, and regular), 5 emeritus, and one honorary. We are also supported by 6 sustaining members.

During the past year 54 new members joined SIP, while 47 members were dropped from our membership rolls; 37 were more than 2 years delinquent in payment of dues, four resigned in good standing because they left the field of invertebrate pathology, and we cannot obtain the current address of six. In accordance with article III (14) of the SIP constitution, the Secretary, John E. Henry, notified 40 members that they were 2 years delinquent in payment of dues and would be dropped from the Society if dues

were not paid.

We were saddened by the death of two founding members, Arthur M. Heimpel and Kenneth M. Hughes.

J.E. Henry
P.T. Johnson
J.V. Maddox
Membership Committee

Report of the Glossary Committee

There were no changes in Committee membership during the past year. Most definitions have been completed, but relevant terms from recent publications can still be added to the list. Editing is progressing, but preparation of the final copy will be delayed to take advantage of a new word processing and minicomputer system which will be installed at the Forestry Sciences Laboratory, hopefully towards the end of the current year.

The French, German, Italian, and Spanish translations of terms used in invertebrate pathology (processed by IBM System 6 and now on tape) have been reviewed and corrected by the four translators (Drs. C. Vago, A. Krieg, M.E. Martignoni, and H. Rossmore). The editor is now working towards completion of the final copy of this multilingual translation. As mentioned in last year's report, the horizontal arrangement of corresponding words in five languages will be used for the final copy.

Mauro E. Martignoni
Chairperson

Report of the Archivist

As a result of the request in my report last year and additional requests to various members of the SIP, there are now several complete sets of the SIP Newsletter in the archives. Most of the recent issues, since 1976, are represented by 10-15 copies each. Donations of earlier issues of the Newsletter are still welcome.

The correspondence of several past officers of SIP has been received during 1979-80 and has been added to the archives. We need relevant correspondence of our earlier officers and committee chairmen, particularly of those in office during the first term of our Society's existence.

All of the material deposited in the archives is presently being stored in file cabinets clearly marked as archivist files of the SIP. As time permits, I will be glad to assist anyone needing information available in the files on the Society and will also continue to place this material into more appropriate categories to facilitate retrieval.

W.M. Brooks
Archivist

Report of the SIP Newsletter

Four Newsletters were prepared and distributed to our members covering the period November 1979 to August 1980 (Vol. XI, #4, Vol. XII, #'s 1, 2, and 3) at an overall average of \$0.68/Newsletter, or if calculated on a per issue cost, averages out to \$460 per number, which is considerably higher than last year's costs. Our overseas mailing expenses were approximately \$101 per issue. One of the reasons why our costs went up was the increased amount of newsworthy information that was available this year as for instance Vol. XII, #1, which had 11 pages. Additionally, the Newsletter editor printed 200 Programs for the Society Annual Meeting, July 27, 1980, in Washington. Further activities included acting as official receiver of ballots for election of new officers and acting as teller.

The following members have graciously agreed to serve or continue to serve as regional correspondents.

K. Aizawa, Japan
S.V. Amonkar, India
H. Boman, Scandinavia
H.D. Burges, United Kingdom
P. Ferron, France
B. Gabriel, The Philippines
E. Jahn, Austria
F. Jimenez-Millan, Spain
R. Kenneth, Israel
J.I.S. Pillai, New Zealand
V. Pristavko, USSR
J.E. Stewart, Canada
R. Teakle, Australia
L.P.S. van der Geest, The Netherlands
C. Yamvrias, Greece

Aris J. Domnas
Editor

Second Organizational Meeting SIP Division on Microbial Control

Persons interested in the Division on Microbial Control of the SIP met at the Seattle meetings on the morning of July 31, 1980. Jim Harper called the meeting to order and presented an update on the ad hoc organizing committee's activities for the past year.

A summary of the bylaws developed by the committee with the assistance of Dr. M.E. Martignoni was read. Harper reported that the Council had read and approved the bylaws at their initial Seattle meeting, thus officially creating the Division. It was agreed that the bylaws be published in their entirety in the SIP newsletter.

Officers will be elected by members present at the annual meetings. Because there were no official members to elect officers, the ad hoc organizing committee agreed to serve for the 1980-81 year. They will prepare a slate of officers to be voted on at the 1981 meeting, develop a program for the 1981 meeting, and convene and moderate a meeting of the Division at the 1981 meeting.

The functions of the Division will be to hold annual meetings for the purposes described in the bylaws. Possible methods of carrying out these functions were discussed and included: (1) preparation of lists of available pathogens, (2) preparation of publications dealing with microbial control topics, (3) aid in development of a strong Latin American input into SIP in the area of microbial control, and (4) serving as a repository of information on biocontrol.

Individuals who are interested in joining the Division can do so simply by checking the appropriate box on the 1981 SIP membership form and paying the appropriate fee. Nominations for any of the offices will also be appreciated, and can be sent to any member of the ad hoc committee which includes J.E. Henry, H.D. Burges, R.P. Jaques, A. Krieg, O.N. Morris, and J.D. Harper, Chairperson.

J.D. Harper
Chairperson

BYLAWS

DIVISION ON MICROBIAL CONTROL OF THE SOCIETY FOR INVERTEBRATE PATHOLOGY

ARTICLE I (NAME)

This group shall be known as the DIVISION ON MICROBIAL CONTROL OF THE SOCIETY FOR INVERTEBRATE PATHOLOGY (hereinafter referred to as the DIVISION).

In this context, MICROBIAL CONTROL is defined as the use of microorganisms (including viruses) to control undesirable populations of invertebrates.

ARTICLE II (OBJECTIVES OF DIVISION)

The objectives of the DIVISION shall be:

1. To promote scientific knowledge of microbial control of invertebrate organisms through discussions, reports and publications.
2. To stimulate worldwide interaction among biologists who have special interest in the regulation of invertebrate populations with microorganisms.
3. To provide organizational mechanisms through which problems and matters relevant to the study of invertebrate population regulation with microorganisms may be presented for discussion and action among interested scientists.
4. To provide an organized body of experts which can be readily identified and accessed by persons or organizations within or outside of the SOCIETY who are in need of knowledge or consultation on the subject of microbial control as defined in ARTICLE I.

ARTICLE III (MEMBERSHIP AND FINANCES)

1. Any member of the SOCIETY FOR INVERTEBRATE PATHOLOGY, who has a special interest in microbial control of invertebrates, shall be eligible for membership in the DIVISION.
2. Membership in the DIVISION shall be contingent upon payment of an annual fee along with the annual SOCIETY dues. The annual fee shall be set by majority vote of the DIVISION's Executive Committee.

ARTICLE IV (OFFICERS AND EXECUTIVE COMMITTEE)

1. A Chairperson, a Chairperson-Elect, and a Secretary-Treasurer shall be elected biennially by ballot at a session of the DIVISION held during the Annual Meeting of the SOCIETY. Officers shall take office at the close of the meeting at which they shall have been elected.
2. The Chairperson-Elect will become Chairperson at the end of his/her two-year term.
3. The Executive Committee shall consist of the Chairperson, Chairperson-Elect, Secretary-Treasurer plus two other DIVISION Members-at-Large to be elected in like manner. However, to provide continuity in leadership, one of the Members-at-Large of the first slate of officers shall be elected for a one year term only and that office will be refilled for a two-year term after the first year. Thereafter, one Member-at-Large will be elected for a two-year term at each Annual Session. To provide further continuity in leadership, the Chairperson and Secretary-Treasurer immediately retiring shall be ex-officio members of the Executive Committee for a two-year term.
4. Nominations for Officers and members of the Executive Committee must be publicized to the DIVISION membership for at least twenty-four hours before submission for vote at the Annual Session of the DIVISION.
5. The duties of the Officers and the Executive Committee, with the aid of such other committees as are appointed by the Chairman, shall be to conduct the affairs of the DIVISION, within the framework of the Constitution and Bylaws of the SOCIETY, according to these bylaws and to the expressed wishes of the DIVISION members present at the Annual Session.
6. The Organizational Committee, selected on August 29, 1979, at the Annual Meeting of the SOCIETY at Gainesville, Florida, shall serve until the first officers of the DIVISION are elected at the 1980 Annual Session.

ARTICLE V (EFFECTIVE DATE OF ORGANIZATION)

The date of the Council's approval of these Bylaws shall be the effective date of the organization of this DIVISION.

ARTICLE VI (TERMINATION OF THE DIVISION)

1. A majority of DIVISION members voting, as determined by a mail ballot, may recommend to the Council of the SOCIETY that the DIVISION be terminated.

2. The DIVISION shall automatically become dissolved when it consists of less than 10 members in good standing.
3. Upon dissolution of the DIVISION, any assets after payment of debts and encumbrances shall be transferred to the Treasurer of the SOCIETY FOR INVERTEBRATE PATHOLOGY to become the property of the SOCIETY.

ARTICLE VII (AMENDMENTS OF THESE BYLAWS)

1. An amendment may be proposed by the Executive Committee or by a majority of the members present and voting at an Annual Meeting.
2. The proposed amendment shall be printed promptly and sent to all members of the DIVISION, together with a letter ballot. The Secretary shall canvass the ballots returned to him/her within 60 days from the date of mailing of the ballot and the proposed amendment shall be considered adopted if it receives the approval of two-thirds of the members voting.
3. The amendment shall become effective immediately after ratification by the council of the SOCIETY.

Edward A. Steinhaus Research Award

The Steinhaus Research Award was established on the University of California, Berkeley campus by Mrs. Mabry Steinhaus in memory of Professor Edward A. Steinhaus. The award is to be provided to a student conducting basic research in insect pathology. This past June, the award was given to Ralph J. Michels, the first recipient of the award. Ralph is conducting research on the interaction of a synergistic factor with baculoviruses.

Members Approve Dues Increase

At the August 29, 1980 business meeting of S.I.P., Council recommended the following annual membership dues: U.S. members, including A.I.B.S. affiliation, \$12.00; non-U.S. members, \$11.00; and students, \$4.00. The increases were necessary to cover the increased costs of S.I.P. activities in general, and publication of the Newsletter in particular.

A total of 662 ballots was sent to members allowing a 60-day period for their return. Of these, 334 (50%) were returned, 280 of which approved the increase and 54 disapproved it. The scrutineers were Drs. P.G. Fast and J.C. Cunningham of the Forest Pest Management Institute, Sault Ste. Marie.

O.N. Morris
Secretary

Journal of Invertebrate Pathology

The new subscription rates for the Journal of Invertebrate Pathology are given below. It will continue to be published in two volumes per year, each volume consisting of 400 pages.

	U.S.	Foreign
S.I.P. members	\$59/2 volumes	\$59/2 volumes
Institutional (libraries)	\$118/2 volumes	\$132/2 volumes

1980 SIP Meeting Abstracts

About 100 copies of the Program (Abstracts) of the 13th Annual Meeting of S.I.P. held at Seattle in 1980 are available on a first-come-first-served basis. For your copy write to:

Dr. Albert K. Sparks
Invertebrate Pathologist
U.S. Dept. of Commerce
National Marine Fisheries Center
2725 Montlake Blvd. East
Seattle, Washington, U.S.A. 98112

1978 Invertebrate Pathology Colloquium Abstracts

Copies of the complete abstracts for the Invertebrate Pathology Colloquium convened in Prague 11-14 September 1978 are still available. A copy may be obtained by sending a check or money order for \$3.00, payable to the Society for Invertebrate Pathology, to:

James D. Harper
Department of Zoology-Entomology
Auburn University
Auburn, Alabama, U.S.A. 36849

FOR SALE

Disease in a Minor Chord, a historical and biographical work of Edward A. Steinhaus, is available to SIP members at a 40% discount of the list price of \$20.00. Postage and handling charges extra. For your copy write to:

The Ohio State University Press
Book Orders
2070 Neil Avenue
Columbus, Ohio, U.S.A. 43210

Calling British Invertebrate Immunologists

Dr. A.M. Lackie would like the British researchers working on immune/defence mechanisms of invertebrates to write to him at the address given below. He is interested in compiling a list of these investigators. He would subsequently try to arrange informal meetings of the group.

Dr. A.M. Lackie
Department of Zoology
The University
Glasgow, U.K.
G12 8QQ

Other Meetings

The 81st Annual Meeting of the American Society for Microbiology will be held at Dallas, Texas, U.S.A. on March 1-6, 1981.

The 32nd Annual Meeting of the Tissue Culture Association will be held at the Shoreham Hotel in Washington, D.C., U.S.A. on June 7-11, 1981.

The 32nd Annual Meeting of the American Institute of Biological Sciences will be held at Indiana University, Bloomington, Indiana, U.S.A. on August 16-21, 1981.

The 1981 Joint Meeting of the Entomological Society of Canada and the Entomological Society of America will be held at the Banff Centre, Banff, Alberta, Canada on October 5-9, 1981.

The 5th International Congress of Parasitology will be held at the Sheraton Centre, Toronto, Ontario, Canada on August 7-14, 1982.

Position Available

Graduate Research Assistantship: Available in August, 1981 leading to an M.S. or Ph.D. degree in Entomology. Laboratory research in insect virology. Send curriculum vitae with transcripts and G.R.E. scores to Dr. Charles F. Reichelderfer, Dept. of Entomology, Univ. of Maryland, College Park, Md. 20742. An affirmative action/equal opportunity employer.

SIP Newsletter

The SIP Newsletter is produced four times a year by the Society for Invertebrate Pathology. Send news items about SIP members and invertebrate pathology to:

Sardar S. Sohi, Editor
SIP Newsletter
Forest Pest Management Inst.
Canadian Forestry Service
P.O. Box 490
Sault Ste. Marie, Ont.
Canada P6A 5M7

New Directory

A "United States Directory for Current Research on Entomopathogenic Viruses" has been compiled by Drs. M.E. Martignoni, C.M. Ignoffo, and J.L. Vaughn. The 38-page Directory lists 95 scientists, along with the specialization of each.

The Directory consists of 3 parts: (1) a list of the codes used to represent virus groups and specialty areas, (2) the alphabetical list of the 95 scientists, with their addresses, virus codes, and specialty codes, and (3) a subject index, arranged by viruses and by specialty areas. The Directory was produced in Corvallis by means of automated data processing equipment. The American Society for Microbiology financed processing and printing of the Directory, through a contract from the National Science Foundation.

Advanced Information

XIV Annual SIP Meeting
Bozeman, Montana
August 17-21, 1981

Undoubtedly the occurrence of the next SIP meeting at Bozeman, Montana will provide many members with an opportunity to see and do things that may come once-in-a-lifetime. We are willing to help arrange any special activities (within limits) for members. These may include the following examples:

Dude Ranches: There are many fine dude ranches in the area offering a variety of accommodations and prices. Most have weekly packages that include lodging (usually rustic), meals, horses, daily trail rides, etc. There are hot springs in the area where lodging and meals, swimming, horses for riding mountain trails, can be arranged on a day to day basis. Most are located in prime trout stream country.

Camping: There are numerous campgrounds near Bozeman. Most are located in mountain forests administered by the Forest Service with some others along blue ribbon trout streams administered by state recreational bureaus or the Bureau of Land Management. Some mountain campgrounds are on lakes, others on streams, but most are located where one can day-pack to other mountain lakes and streams for excellent fishing. Most can be reached by autos pulling trailers and all can be used for tenting. If this is your pleasure, tell us what you have in mind and we will give you locations and descriptions of appropriate campgrounds.

Backpacking: There are several nearby mountain wilderness areas that are closed to motorized vehicles. We will help arrange trips of three to seven days. Minimum group sizes will be 2, maximum will be 12, and each group must include 1 experienced backpacker. If no experienced people are included in your group, we will attempt to find some person to accompany you.

Pack Trips: For those who prefer to ride horses into mountain splendor, there are commercial packers who will take groups in, provide gear and food, leave you there as long as you want, and then pack you out. Although prices will vary depending on services provided, etc., these generally are expensive. Nevertheless, if it is once-in-a-lifetime, it will be worth it.

Bus Tour to the Northern Rocky Mountains: This would take you through the most spectacular scenery in North America. Included would be Glacier, Waterton, Banff, and Jasper National Parks, Lake Louise, Calgary, Jasper, etc. in the U. S. and Canada. A week long tour either starting at Bozeman or possibly starting at Edmonton or Calgary and touring to Bozeman. This tour will depend on 90% occupancy of the tour buses on a first-come-first-served basis for all except 20% of the seats, which will be held until April 15 for members outside the U. S. and Canada. If there is sufficient interest, this will be turned over to a local travel agency to arrange transportation, itinerary, lodging, etc.

The package will include transportation and lodging. Meals will not be included. An approximate price will be available upon request. Reservations will be necessary by April 15, and paid in advance by July 1. If this might be your pleasure, let us know so we can offer it in the next NEWSLETTER.

National Park Visit: There will be one or two day tours scheduled from Bozeman to Yellowstone National Park. Also, extended stays can be arranged. Available accommodations include hotels, cabins, or camping. Bus service is available throughout the park, permitting self-adjusted leisurely stops at all of the attractions. Bus service also is available between Yellowstone and Teton National Parks. Fly fishing in Yellowstone is without a fee. Prices will vary from very minimal for rustic cabins to moderately expensive for full-service modern hotel or motel rooms. Reservations are required well in advance, like the sooner the better.

These are the major kinds of activities we think you might enjoy. If one of these or some other activity may be of interest to you, let us know as soon as possible so that we will have time to make inquiries as to available facilities, prices, etc., in time to present it in the next NEWSLETTER. We will not offer assistance for some activity in which someone has not expressed an interest or for which we have not received an inquiry. Incidentally, any extended activity should be arranged before the meetings, because many schools start soon after the meetings and the increasing prospect of a usual short rainy season towards September. Let us know the kind of activity in which you might be interested, the number of people in your party, the kinds of accommodations you will need and we will either get you the information or put you in contact with some person who can provide it.

Dr. J. E. Henry
USDA/SEA
Rangeland Insect Laboratory
Montana State University
Bozeman, Montana 59717

A word from your new editor

Greetings! The delay in bringing out number 4 of volume XII of the Newsletter is very much regretted. It has been due partly to a change in the editorship, and partly to my being overly busy with the year-end reports. I am pleased, however, that the February 1981 issue has been produced on schedule, and is enclosed with the December 1980 issue. You can expect the future issues right on schedule.

I would very much appreciate receiving news items about invertebrate pathology and members of SIP. Perhaps you know a member who has been promoted, relocated, graduated or has won an award. Also, I would appreciate your suggestions for improving your Newsletter.

Sardar S. Sohi, Editor
SIP Newsletter