

# Eighty-Second Annual Report

# Eighty-Second Annual Report of the American Phytopathological Society

Downtown Grand Rapids, MI, located on the banks of the scenic Grand River, was the setting for the 82nd annual meeting of The American Phytopathological Society, held in conjunction with the Canadian Phytopathological Society. A total of 1,936 registrants gathered to discuss all aspects of our science.

The Plenary Session was opened by G. A. de Zoeten of Michigan State University, followed by an introduction to the Glen Anderson Lecture series by J. Martens of Agriculture Canada. Nobel Laureate N. Borlaug of Texas A&M and CIMMYT presented the first Glen Anderson Lecture, "Food production in the Third World." The President's Forum address was given by V. Higgins, president of CPS. The session concluded with the president's address by P. Williams, which dealt with the challenge of APS involvement in science education and public responsibilities.

Diversity of research interests was evident in the scientific sessions. In the 85 contributed paper sessions (51 oral and 34 poster sessions), 934 presentations addressed topics such as molecular biology of pathogens, integrated pest management, epidemiology, crop diseases, biological control, pathogen detection, host-pathogen relationships, seedborne diseases, new industry products, resistance, genetics, and mycotoxicology.

Symposia at the meeting covered the topics of "Forest Decline Concepts," "Current Topics on Host-Pathogen Interactions," "Structure and Function of Plant Virus Genomes and Their Satellites," and "Impact of Free Trade Agreement with Canada and Developments in the European Common Market on Movement and Regulation of Plant Pathogens." Seventeen discussion sessions, nine colloquia, one workshop, one forum, and two teach-ins rounded out the scientific meetings. Additionally, premeeting tours, technical committee meetings, 48 APS committee meetings, breakfasts, luncheons, and socials attracted many participants.

The Publisher's Book Display exhibit included books from more than 10 publishers, and APS Press had another prominent display. Book sales at the meeting were more than \$17,000. Booth exhibits featured displays from commercial companies, publishers, the USDA, and the 6th International Congress of Plant Pathology, organized by CPS.

**Headquarters building addition.** The building addition was completed in March and was toured by APS Council members at the midyear meeting. The new space has given the staff both safe and efficient working conditions. This will allow for the continued growth of APS. New typesetting equipment has also been installed and will increase the efficiency in handling publications. The new addition came in \$25,000 less than the initial bid. The construction loan was changed to a regular adjustable mortgage loan of 10.8%. APS reserves furnished \$150,000 of the cost while the APS Foundation contributed another \$50,000 in a combination of loans and direct gifts. As of August 8, 1990, Council and the Foundation agreed to terminate the loaning of endowment monies received from the fund drive to be used to pay off the building addition mortgage. This decision was reached after much deliberation and consideration that this was in the best long-term interest of the Society. In this way, the Foundation can continue with its original mission. The treasurers of both APS and the Foundation will develop an acceptable payback schedule for the loaned endowment monies.

**APS Foundation.** A major activity of the Foundation (jointly with Council) was continuation of the endowment/building fund drive. The Council and the Foundation will launch another limited

time joint fund drive for the purpose of the endowment fund and for the mortgage retirement fund.

A highlight of the Grand Rapids meeting was the presentation of a \$20,000 check by Bill Tweedy from Ciba-Geigy Corporation to the Foundation at the business meeting on August 8.

The Foundation approved two awards for 1990. An award of \$1,500 to the Office of International Programs was made to further their assistance program in providing the libraries of Third World countries with publications in plant pathology. An award of \$1,500 was made to the Women in Plant Pathology Committee to continue its Women's Speaker Program for a second year.

The Foundation elected Ralph J. Green to a second 5-year term as a member of the board of directors. Anne K. Vidaver was appointed as chairman of the Foundation's Awards Program Committee.

**Office of International Program.** The OIP appointed Eugene Smalley as a new member to the Advisory Board. Jose Amador, Christopher C. Mundt, and Benjamin H. Waite were reappointed for 3-year terms. OIP held another successful open forum session and discussion session at the annual meeting. For the second year OIP had a booth display. OIP operating procedures have been modified. OIP has proposed an International Service to Plant Pathology Award to the Council as an official APS award. The Council has authorized \$2,000 to the OIP for 1990-1991 operating expenses.

The numerous OIP committees had a very active year with continued development of programs and services to Third World countries. John Niederhauser is working on an international *Phytophthora infestans* project, which may serve as a pilot project for administration and accounting through the Foundation. Charlie Delp, OIP director, encourages APS members to share resources with scientists in developing countries as "International Scientific Partners."

**Awards.** Twelve members were elected Fellows at the Grand Rapids meeting: T. A. Chen, W. O. Dawson, W. E. Fry, A. L. Jones, M. J. Jeger, E. L. Kendrick, W. Ko, Y. L. Nene, H. R. Powers, K. J. Scott, H. D. Van Etten, and O. C. Yoder. The Extension Award was presented to J. M. Amador, the Teaching Award to L. Frederick, the Ruth Allen Award to R. N. Beachy, the Ciba-Geigy Award to J. L. Marois, and the Lee M. Hutchins Award to T. J. Burr.

**Society affairs.** As of June 30, 1990, there were 4,577 members in the Society, an increase of 234 over that of 1989. Several membership promotions (university, former members, and post-meeting) were initiated by the Membership Committee over the past year, resulting in this increased membership. At the annual business meeting, members approved reduction of student dues to one-third of regular member dues in an effort to encourage students to enroll as members.

The ad hoc Graduate Student Committee proposed at Richmond was appointed over the past year and met for the first time at Grand Rapids with S. Bentivenga as chairman. The purpose of the committee is to give graduate students a way of becoming more active in Society affairs. Council approved that this ad hoc committee become a permanent standing committee of APS.

Members of the Caribbean Division continued to work with other plant pathology societies in South and Central America on the formation of a Federation of American Societies of Plant Pathology. At this time, there is an indication that Brazil, Argentina, Chile, Mexico, Venezuela, Colombia, and Canada

would join the federation.

APS Press continues to be successful. The Press continues in its mission to operate a competitive publishing program, provide service, and to contribute to the financial objectives of the Society. Five new books and four slide collections were published during FY90. APS Press exceeded its budgeted contribution to the Society by \$29,148! Three new senior editors, Rose Gergerich, Joyce Loper, and Allison Tally, were appointed by Council to 3-year terms on the eight-member APS Press Editorial Board. Steven Slack was appointed editor-in-chief-elect in preparation for beginning service in August 1991.

*Plant Disease*, *Phytopathology*, *Molecular Plant-Microbe Interactions* and *Phytopathology News* are on schedule. There has been a 15% increase in the number of *Plant Disease* manuscripts received and a 9% increase in those accepted for publication from 1988 to 1989. These changes ended a 5-year downward trend in manuscript processing.

Council appointments to the Plant Disease Board for 1991-1993 are Barbara Christ, Mary Ann Hansen, and Sally Miller as advisors, and John E. Ayers, Larry E. Clafin, James C. Correll, James Demski, Wade Elmer, Steve Haber, John S. Hartung, Bruce Jaffee, James O. MacDonald, Marcia P. McMullen, Themis J. Michailides, Jerald K. Pataky, and Gregory R. Watson as associate editors.

During 1989-1990, 335 manuscripts were submitted for publication as research articles or symposia in *Phytopathology* compared to the 5-year mean of 401. The average time between acceptance of an article and its appearance in print was 185 days. Larry Madden has been appointed editor-in-chief of *Phytopathology*. Council appointed for 1991-1993 six senior editors (Thomas W. Carroll, Dennis C. Gross, David S. Marshall, Mary L. Powelson, Robert C. Seem, and Steven R. Shafer) and nine associate editors (Kira L. Bowen, Michele C. Heath, Wolfram Köller, J. A. Kolmer, Joseph P. Krupinsky, B. A. McDonald, T. Paulitz, Gary A. Payne, and Charles M. Rush).

C. Lee Campbell was appointed as the new editor of *Phytopathology News* beginning in 1991. Gail Schumann was appointed to the committee.

*MPMI* is now in its third year of operation and is in good health. The bimonthly issues have increased in total pages and the number of subscriptions has increased approximately 30%. The prestige of the journal continues to grow in the scientific community and monthly publication still remains a goal. *MPMI* is currently jointly sponsored by APS and the International Society of Molecular Plant Microbe Interactions (IS-MPMI). In 1991 the relationship of APS to IS-MPMI will be clearly defined as IS-MPMI will become a legal entity.

The APS committees are active and serve the Society in many useful ways. The Committee on Committees chaired by Randy Rowe worked to streamline the process for obtaining nominations for new committee members and making appointments. Vince Morton worked with Rowe to increase industry participation in APS committees. As a result, there is now at least one industry member on each committee. To strengthen the Public Relations Committee, the past president and the past councilor-at-large will now be automatic members after they leave Council.

**APS affiliations.** APS representatives continued to be active during the year in some important contacts with other societies and agencies. O. W. Barnett attended the National Research Council Board on Agriculture meeting where efforts to form a coalition in support of the National Agricultural Research Initiative were discussed. Barnett reported that this coalition is entitled COFARM (Coalition on Federal and Agricultural Research Missions). After some discussion Council approved that the Society support COFARM. Discussions on the role of the board in establishing a Registry of Environmental and Agricultural Scientists (REAP) also took place at this meeting.

W. M. Dowler, APS representative to the American Type Culture Collection (ATCC), reported that ATCC is outgrowing its facility. Problems of site selection and disposal of current buildings are major concerns now under consideration. Dowler will continue to represent APS interests to ATCC as our Society

has a keen interest in ATCC's curatorial duties not being diminished by their research efforts.

Larry Moore, APS representative to AIBS, reported that APS is the only agricultural science represented in AIBS and urged the Society to retain its affiliation. AIBS has instituted a monthly news release, "Washington Watch," which is now being published in *Phytopathology News* through great demand from APS members. AIBS is also developing a National Registry of Life Sciences, and Council approved release of the APS membership list to AIBS for the sole purpose of inclusion in the registry.

**Future.** Sites for the next APS meetings are: St. Louis, MO, August 17-21, 1991; Portland, OR, August 8-12, 1992; Nashville, TN, November 7-11, 1993; Albuquerque, NM, August 6-10, 1994; and Pittsburgh, PA, August 12-16, 1995. The 1996 meeting will be in either the Caribbean or Potomac division.

The Grand Rapids meeting exemplified the continued diversity and quality of our science and Society. It was another exciting meeting and eventful year. I am honored to be the APS secretary through 1992 and appreciate all of the cooperation from members during this first year.—*Molly Niedbalski Cline*, Secretary

## REPORT OF COUNCIL MEETINGS

President Paul H. Williams presided at the midyear APS Council meeting held at APS headquarters March 15-18, 1990, and at the 1990 Council meetings held in Grand Rapids. President George N. Agrios presided at the new Council meeting on August 8. All Council members were present. Persons completing terms on the Council and new Council members are listed in the "Report of the Business Meeting."

Treasurer D. W. French reported that APS is financially sound. The total income exceeded that which was projected for fiscal year 1990. The Financial Advisory Committee monitors APS finances throughout the year. Council voted to increase the 1990-1991 membership dues by the Consumer Price Index increase of 5%. Stan Pennypacker was appointed treasurer-elect for 1990-1991.

The endowment/building fund drive sponsored jointly by APS and the APS Foundation was a topic of discussion at both Council meetings. The Council and the Foundation decided to continue a joint fund drive in 1991. In order for the endowment fund to grow, however, it was decided that monies received from the drive designated for the endowment fund would no longer be loaned to APS to pay off the building addition mortgage.

All APS publications are in good health as reported by the respective editors-in-chief. New editors were appointed to *Plant Disease*, *Phytopathology*, and *Phytopathology News* (see the introduction to this annual report).

A central theme to many of the APS committee meetings and the midyear and annual Council meetings focused on APS involvement in policies and in public responsibilities. This was well summarized by President Paul H. Williams. In his presidential address during the Plenary Session, Williams challenged us in this arena. He noted that the only certainty in the future is change. He stated that APS needs to refocus its actions and enter into public affairs, develop a code of professional ethics, support enabling and protective type legislation in the area of biotechnology, pesticide regulation, and food safety, and promote science education.

APS members represented the Society on policies and public responsibilities during the past year and reported these activities to Council. Anne Vidaver gave an oral testimony to the House Agriculture Committee, which is considering a revision of the Plant Protection Act that consolidates several statutes and clarifies APHIS authorities for regulation of plant pests. The proposed revision to the act is troublesome because it omits any reference to biotechnology and all plant pests are lumped without regard to their severity. This could impose undue restrictions on their movement.

Sue Tolin has kept Council and the Society abreast of all regulations regarding biotechnology as the Society's liaison on recombinant DNA. Via appropriate APS committees, Tolin has



noted where proposed policies, rules, or acts call for public comment. In order to ensure our freedom to operate as scientists in the future, Tolin urges us to respond. The "Washington Watch" column published in *Phytopathology News* will also serve as a communication vehicle.

Barry Jacobsen attended the Institute of Food Technology integrated pest management workshop in behalf of APS. A position document that will be presented to legislators regarding reduction of pesticide usage, reduction of pesticide residues in food, and promotion of research and funds to make integrated pest management workable was developed. Council moved that APS support this position document.

O. W. Barnett attended the NRC Board on Agriculture meeting in Washington, DC, on April 24, 1990, as the APS representative. A key point of the meeting were discussions on the National Agricultural Research Initiative and efforts to form a Coalition on Federal and Agricultural Research Missions (COFARM). This is a broadly based coalition that supports the sustained investment in agricultural research. Barnett urged Council to consider joining COFARM. After considerable discussion, Council decided to support and join COFARM.

The Public Responsibility Committee recommended to Council that the following be considered: appointment of an APS congressional fellow, formation of a National Board of Plant Pathology, and a Modest Public Affairs Board. These would help to serve us to be more actively involved in science policy and law and in communication with the public sector. Cliff Gabriel of CSRS presented a proposal to Council on establishment of a national plant pathology board. CSRS has already given \$8,000 for seed monies. Council agreed to form a task force to study this proposal. Similarly, the Private Practice Committee, represented by Larry Stowell, requested Council to consider forming a registry of plant pathologists and association of the registry with the already formed Registry of Agricultural and Environmental Professionals (REAP).

Lastly, in the public arena, Randy Rowe was charged at the midyear Council meeting with appointing an ad hoc committee to develop a position statement for APS on the importance of fungicides to the U.S. food supply. This was triggered by the more recent regulation and ban of the EBDC fungicides. At Grand Rapids, Rowe presented the document, which was approved by Council. This document will be released to appropriate individuals in Washington, DC, and to appropriate state and national commodity and advocacy groups to facilitate wide distribution of our views.

The theme of public responsibility and APS affiliations with other professional societies will undoubtedly continue in the 1991 Council meetings. Most APS committees are active and all serve the Society in useful ways. Council will continue to hear reports and make requests of numerous committees in the future.

Several key appointments were made by the Council (see the introduction to the annual report and "Report of the Business Meeting"). All Council meetings are open to any member. Please join us or at least talk with the councilors about your likes and desires for our Society.—*Molly Niedbalski Cline, Secretary*

## REPORT OF THE BUSINESS MEETING

President Paul H. Williams called the meeting to order on Wednesday, August 8, in De Vos Hall of the Grand Rapids Convention Center. Don Mathre was appointed parliamentarian. The agenda was presented and approved.

President Williams summarized important events of the year. The secretary and treasurer gave reports. Customary committee reports were also presented including necrology by Molly N. Cline and site selection by O. W. Barnett. Publications were reviewed by R. Smiley, APS Press editor-in-chief; L. Sequeira, editor-in-chief of *Molecular Plant-Microbe Interactions*; M. Benson, editor-in-chief of *Phytopathology*; and W. Sinclair, editor-in-chief of *Plant Disease*.

Charlie Delp, director of the APS Office of International Programs, reported on the many activities of this office. For the

second year, OIP staffed a booth display. OIP Operating Procedures have been modified and OIP has proposed an International Service to Plant Pathology Award for approval by APS Council as an official APS award. Eugene B. Smalley was appointed as a new member to the OIP Advisory Board.

Jim Tammen, chairman of the APS Foundation Board, reported that two awards for 1990 were approved. An award of \$1,500 was made to the Office of International Programs to further its assistance program in providing the libraries of Third World countries with publications in plant pathology. An award of \$1,500 was made to the Women in Plant Pathology Committee to continue its Women's Speaker Program for a second year.

Dr. Tammen also noted that a major activity of the Foundation, jointly with Council, was continuation of the endowment/building fund drive. The Council and the Foundation will launch another limited-time joint fund drive for the purpose of the endowment fund and for the mortgage retirement fund. A special highlight of Dr. Tammen's report was the presentation of a \$20,000 check from Ciba-Geigy Corporation to the Foundation by Bill Tweedy.

The Foundation elected Ralph J. Green to a second 5-year term as a member of the board of directors. Anne K. Vidaver was appointed as chairman of the Foundation's Awards Program Committee.

At the annual meeting in Richmond last summer, Council voted to reduce membership dues for students. Presently, student dues are approximately 50% of regular dues in all categories. In an effort to encourage students to enroll as members, Council proposed student dues be reduced to one-third of regular dues. The following constitutional amendments to the bylaws were read and approved during the meeting. The proposed amendments to the bylaws read as follows:

### Bylaw 1. Dues

(3) Student member dues are one-third (1/3) the amount of Regular members.

(4) Student-Spouse member dues are one-third (1/3) the amount of Husband-Wife Regular members.

President Williams thanked APS members for giving him the opportunity to serve the Society as president. He also expressed appreciation to the following for their service to APS as they completed their terms: Don Mathre, past president; Randy Rowe, senior councilor-at-large; Mel Lacy, North Central Division councilor; and Mike Benson, editor-in-chief of *Phytopathology*. The Local Arrangements Committee, composed of Chairman Joe Vargas, Kerry Dunbar, John Hart, Mel Lacy, and Christine Stephens, gave tirelessly of their time to make the meeting a success. The Grand Rapids meeting was made possible by the dedicated efforts of APS staff.

The gavel was passed to George Agrios, president for 1990-1991, who introduced new Council members. Carol Windels was elected as the new councilor-at-large, and Randy Rowe was elected vice-president. Stan Pennypacker will be the new treasurer in 1991. The new North Central Division Councilor is Alan Ellingboe and Jose Amador was reelected as the Caribbean Division Councilor. Larry Madden is the new editor-in-chief of *Phytopathology*. President Agrios thanked Paul Williams for his excellent leadership this past year. He is proud to work with a society characterized by such vigor, and Agrios encouraged APS members to meet the challenges ahead by continuing their commitment to science education and by actively pursuing public responsibilities as a society.—*Molly Niedbalski Cline, Secretary*

## REPORT OF OFFICERS

**Report of the President.** Over the past year APS has demonstrated continued vigor as it evolves to meet the increasingly complex challenges of the future. As members review this 1989-1990 annual report I am sure that they will be impressed by the dedication and commitment of the membership to the



profession of plant pathology and to the affairs of APS. Among the numerous activities undertaken by APS and presented in this annual report, a number merit particular comment.

**Membership.** The increase in our members of 234 over last year for a total of 4,577 results from the concerted efforts of the Membership Committee chaired by Cleora D'Arcy. The increase is likely due to a number of promotional activities, including several new incentives and membership options designed to attract those interested in receiving *MPMI* as their primary journal. A decline in graduate student members may be a reflection of the decline in graduate students in plant pathology nationwide. The changing demographics relating to APS membership must be continuously scrutinized by our Society as graduate student numbers decline and numbers of active members retire. The potential to sustain increases, or even stability, in membership may well relate to APS' ability to respond effectively to the changing needs of society as related to plant health and planetary welfare. I look forward to our new Graduate Student Committee to provide leadership and insight into directions that our Society should be taking into the future.

**Headquarters management facilities.** During the past year the expansion of our headquarters into attractive and functional new space was accomplished on time, with considerable efficiency and within the budget. With support and assistance from members, friends, associates and from the APS Foundation, the building loan debt has been substantially reduced. During 1990 and through June 1991, APS and the Foundation will mount a joint endowment and building fund drive that will solicit contributions to a building fund to reduce the mortgage and to an endowment fund in the Foundation. Having established a clear mechanism through which members and friends can support APS and its future activities, it is important that our membership partake of these opportunities through habits of regular giving.

**Headquarters operations and APS management.** The facilities and management of APS are shared jointly with the American Association of Cereal Chemists (AACC). As professional societies we have grown and thrived over the past years under the skillful and dedicated leadership of Executive Vice-President Raymond Tarleton and his staff. At the Headquarters Operations Committee meeting in April 1990, Mr. Tarleton announced his plans to retire from this position as of December 1991. The committee has agreed that there will be an open and active search to replace Mr. Tarleton.

**Concern for the supply of plant pathologists.** Over the past few years there has been a marked decline of graduate students entering departments of plant pathology across the United States. The reasons for this decline are complex and serve as a focus of serious concern for all who are involved in the mission of educating the public on the importance of understanding the complexities that interrelate plant health and human existence on this planet. Many of our members believe that APS must join with other biology societies in confronting the problems of declining science literacy among our children, teachers, and the public. By developing ways of engaging the public in understanding science as a way of inquiry into the natural world we should be able to increase the pool of citizens concerned and committed to science as an important element in resolving global problems.

**Professionalization.** Within APS are significant numbers of members who would value the entitlement that would be associated with some form of professional accreditation. Though perhaps not valued by all members, I believe APS should encourage those interested in professional accreditation to explore such a course on behalf of APS. Since similar initiatives have been undertaken by a number of other agricultural societies, there are various models that would be informative to our own initiative.

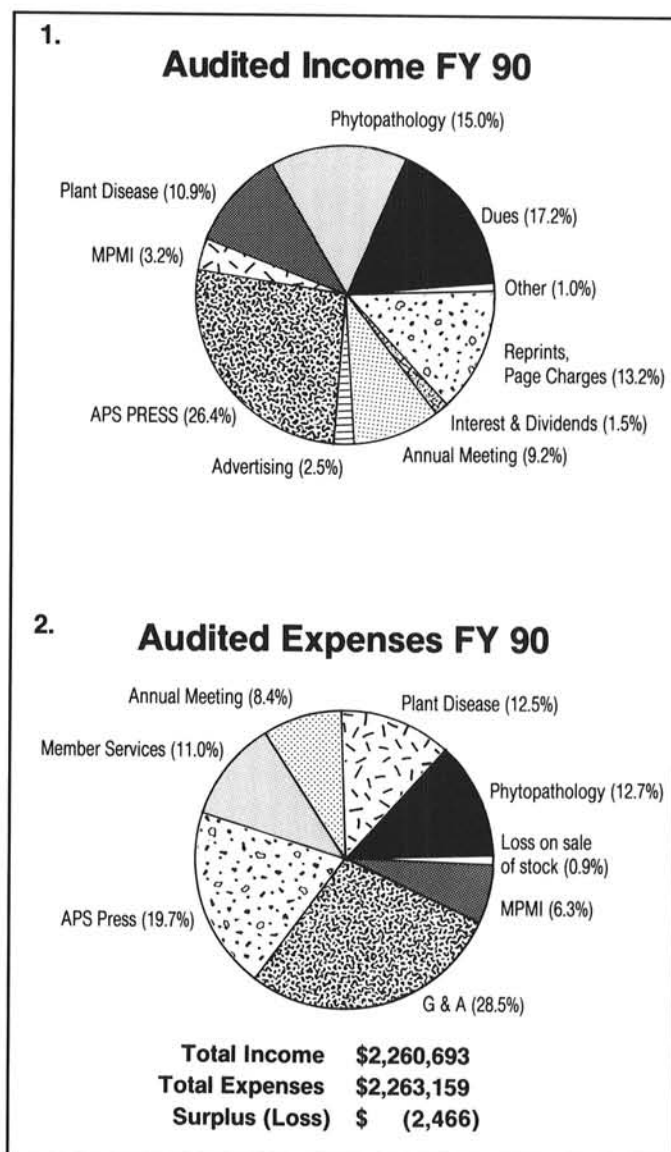
**Public responsibilities.** Perhaps more today than ever there is a need for the coalescence of scientific expertise relating to the complex management of a sustained, abundant, and safe food supply for the increasing world population. APS must play a central role in guiding public policy in these areas of public concern. Plant and planetary welfare are intimately interrelated

and it is this domain that APS and its members have much to contribute to the policy makers responsible for the public welfare. It is in this context that APS Council has recommended to the president that APS explore various ongoing initiatives that would provide avenues through which the perspectives and expertise of APS could be brought to bear on matters of public policy and concern in the areas of plant protection and plant health. One such initiative could be a restructured and rejuvenated Intersociety Consortium for Plant Protection.

**Publications.** Our journals and books provide a diversity of forums for sharing our ideas and expertise and the results of our research. If they are to serve us we must communicate our wishes to our editors while providing them with carefully prepared materials for publication. Much of how we are perceived as a society rests with the way we present ourselves through our publications. It is important, though, that we have both a strong sense of ourselves as professionals and of what we wish to become.

I am grateful to you for the privilege of serving the Society over the past year. Without your interest and the support of our superb staff at the APS headquarters in St. Paul, my pleasure would have been less than what it was.—*Paul H. Williams*

**Report of the Treasurer.** The Society completed its fiscal year on June 30, 1990, with an operating deficit of \$2,466 after an allocation of \$5,000 to the maintenance reserve. Total income was \$2,260,693 and total expense was \$2,258,159.



The deficit would have been larger if not for the \$20,286 contributed to the building fund by members of the Society. Accounting standards require that contributions be considered income in the year in which they are received and must be included with total operating income. However, the original budget deficit was \$35,484, so considerable progress was made during the year in improving our financial position.

Continued improvement in *MPMI* in terms of member subscriptions and its appeal to new members resulted in a greatly reduced loss for the new journal. Council had anticipated that *MPMI* would need financial subsidy for at least 3 years and, thus, losses were not unexpected. Also assisting our financial position this past year was the very excellent showing of APS Press. Cost containment measures on the part of staff at headquarters also assisted in holding the deficit below that budgeted for this past year.

As you are aware, the new building addition was built slightly under the budget cost of \$872,000. APS and its administrative partner, the American Association of Cereal Chemists, each initially used \$150,000 of their cash reserves to offset the building cost. Thanks to the support of the membership and the APS Foundation, we were able to reduce our debt to \$218,000 (an equal debt for AACC. Our share of the interest on this note is about \$24,000 over the next fiscal year. Your support of the Foundation and the reduction of the mortgage is most appreciated and most important to the Society's continued financial stability.

Total assets as of June 30, 1990, were \$1,883,202 and liabilities were \$1,327,119, producing a membership equity of \$556,083.

Income sources for the year are shown in Fig. 1. Membership dues represent 17.2% of total income and are up from last year due to the infusion of member subscriptions to *MPMI*. Non-member subscriptions to the journals are shown individually. Total journal income representing 29.1% of income is up slightly from last year and can be attributed to a slight increase in *Phytopathology* and *MPMI*. Again, libraries continue to reduce journal subscriptions as budgets decrease and commercial and overseas journals continue to increase in cost. APS Press has increased its percentage contribution to the total income from 25.8% last year to 26.4% this year. Other income sources shown are the annual meeting at 9.2%, reprints and page charges at 13.2%, advertising at 2.5%, interest and dividends at 1.5%, and miscellaneous at 1%.

Figure 2 shows expenses allocated by similar functions. The largest single expense is the production of the journals at 31.5% of total expenses in FY90. Member services at 11% is slightly less than last year and includes such activities as division dues collections and mailing list shipments, staff support to committees and officers, support to department heads in the form of the annual survey, preparation of the membership directory, recording changes of address (over 35% of our members make some type of change on their record each year), servicing the APS Foundation and Office of International Programs, and a host of other services. G & A or the cost of administration at 28.5% is up from last year due to building planning and the start of a major computer conversion.

Membership continues to increase in all categories as a result of good work by the Membership Committee with staff support. This is the second consecutive year of membership growth. We believe some of this growth is attributable to the incorporation of *MPMI* into the membership structure.

The budget for the current fiscal year, FY91, anticipates a deficit of \$12,000. Not a very large deviation in a total budget of \$2.4 million. In view of the new building addition mortgage, the launching of a new journal, and a major computer conversion, I think we have managed well. Continued progress with *MPMI* might reduce this slight deficit further. Naturally, the state of the general economy will have a significant influence on our financial outcome.

It is important that members realize the long-term significance of both *MPMI* and the new headquarters wing and lend their full support. *MPMI* is designed to broaden our scope and meet the publication requirements of many potential members. Present indications suggest we are starting to accomplish the latter goal. Part of the Society's future is in this direction. The headquarters addition provides badly needed working space for current and future activities of APS. It represents an investment in the future that will appreciate in value as has our original building. We need your help in support of this project and paying off the mortgage as soon as possible.

Members of the Financial Advisory Committee have provided the treasurer with valuable advice over the past year. This committee is the financial watchdog for the Society and does an excellent job. My thanks to the headquarters staff for their sound management of the budget.—*David W. French*, Treasurer

**Report  
of the  
Auditor**

We have audited the balance sheet of The American Phytopathological Society (a nonprofit corporation) as of June 30, 1990, and the related statements of support, revenue, expenses, and changes in fund balances, functional expenses, and cash flows for the year then ended. These financial statements are the responsibility of the organization's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The American Phytopathological Society as of June 30, 1990, and the results of its operations for the year then ended in conformity with generally accepted accounting principles.

Information for the year ended June 30, 1989, is presented for comparative purposes only and was extracted from the financial statements presented by fund for that year, on which an unqualified opinion dated September 11, 1989, was expressed.—*Phillips & Swanson*, Certified Public Accountants

**Notes to Financial Statements  
June 30, 1990 and 1989**

**Note A: Summary of Significant Accounting Policies**

**Nature of Activities.** The American Phytopathological Society (APS) is a national nonprofit organization whose objective is

to promote the increase and diffusion of all aspects of knowledge relating to plant diseases and their control.

**Fund Accounting.** To ensure observance of limitations and restrictions placed on the use of resources available to the Society, the accounts are maintained in accordance with the principles of fund accounting. This is the procedure by which resources

for various purposes are classified for accounting and reporting purposes into funds established according to their nature and purpose. Separate accounts are maintained for each fund; however, in the accompanying financial statements, funds that have similar characteristics have been combined into fund groups. Accordingly, all financial transactions have been recorded and reported by the following fund groups:

**Current Operating Funds.** The APS Building Maintenance Fund was established by the Board of Directors. The purpose of the reserve is to provide funds for replacement of major mechanical equipment in the headquarters building or for other significant maintenance needs. The reserve is supported by an allocation from operating income of \$5,000 per year. The building co-owner, The American Association of Cereal Chemists, Inc., makes a similar contribution.

The APS Capital Improvement Fund was established by the Board of Directors. The purpose of the fund is to provide monies for capital improvements in connection with the headquarters building. These improvements may be in the form of additions to the present building, construction of new buildings on present real estate, or purchase of additional real estate for building purposes. The fund is supported by accumulation and investment of the current depreciation schedule of the building, which is approximately \$7,070 per year. No funds were transferred during the current year.

The APS Auto Replacement Fund was established by the Board of Directors. The purpose of the fund is to provide monies for replacement of transportation equipment as needed. No funds were transferred during the current year.

The APS Foundation Fund was established by the Board of Directors for use by the Foundation according to Constitutional provisions approved by the membership in October 1986. The

Foundation has funded nonoperating programs for the benefit of students, professional members of the Society, and scientists in developing countries. (See also Notes M, N, and O.)

The APS Building Addition Fund was established by the Board of Directors. The purpose of the fund is to provide monies for building additions.

The Operating Reserve Fund is a restricted fund established by the Board of Directors to accumulate sufficient monetary reserves to meet the financial long-range goals established by the membership. These goals include an operating reserve of at least one-half of the current operating budget. The fund is to be established as rapidly as the Board of Directors believes prudent. The purpose of the fund is to provide resources to the Society in the event of a financial emergency so the basic programs of APS will not be interrupted. The Operating Reserve Fund may be used on approval of the treasurer for cash flow needs.

**Endowment Funds.** The Ruth Allen Award Fund was established in 1965, by means of gifts under the will of Ruth Allen by the Executor, Cecil Yarwood, and from her heirs: Sam Emsweller, Mabel Nebel, Hally Sax, and Evangeline Yarwood. The award, which consists of a certificate and the income from the invested fund, is given for innovative research contributions that have changed, or have the potential to change, the direction of work in any area of plant pathology.

The Lee M. Hutchins Fund is the result of a bequest from the estate of Lee M. Hutchins. The fund is restricted by the provisions of Dr. Hutchins' will. The principal of the fund must be invested in long-term interest-bearing industrial bonds or their equivalent. The fund shall be continued indefinitely. The annual net income earned from the investments is to be used to make periodic awards in recognition of an outstanding contribution to the field of fruit-plant virus diseases published in *Phyto-*

**The American Phytopathological Society  
Balance Sheet  
June 30, 1990  
(with comparative totals for 1989)**

	Current Operating Fund	Endowment & Board- designated Funds	Total All Funds June 30	
			1990	1989
<b>Assets</b>				
<b>Current Assets</b>				
Cash	\$ 523,800	\$ 65,186	\$ 588,986	\$ 663,810
Accounts receivable	143,014	...	143,014	161,593
Inventory	279,161	...	279,161	268,226
Prepaid expenses	74,580	...	74,580	85,795
Marketable securities	10,662	108,395	119,057	133,642
Total current assets	1,031,217	173,581	1,204,798	1,313,066
Property and Equipment, Net of accumulated depreciation	657,404	21,000	678,404	285,576
<b>Total Assets</b>	<b>\$1,688,621</b>	<b>\$194,581</b>	<b>\$1,883,202</b>	<b>\$1,598,642</b>
<b>Liabilities and Fund Balances</b>				
<b>Current Liabilities</b>				
Accounts payable	\$ 95,179	\$ ...	\$ 95,179	\$ 189,456
Accrued pension	44,000	...	44,000	37,000
Accrued property taxes	15,668	...	15,668	14,667
Deferred revenue	725,751	...	725,751	624,596
Current portion of long-term debt	23,572	...	23,572	14,733
Total current liabilities	904,170	...	904,170	880,452
Long-Term Debt, net of current portion	228,367	...	228,367	35,293
Total liabilities	1,132,537	...	1,132,537	915,745
<b>Fund Balances</b>				
Current operating fund	556,084	...	556,084	384,308
Board-designated	...	151,342	151,342	264,324
Endowments	...	43,239	43,239	34,265
Total fund balances	556,084	194,581	750,665	682,897
<b>Total Liabilities and Fund Balances</b>	<b>\$1,688,621</b>	<b>\$194,581</b>	<b>\$1,883,202</b>	<b>\$1,598,642</b>

(See accompanying notes.)



pathology during the previous year.

**Accounts Receivable.** The Society uses the direct charge-off method for bad debts. The outstanding accounts are reviewed by management and those deemed to be uncollectable are charged-off in the year in which they become worthless. If the reserve method of accounting for bad debts was used, it would not have a material effect on the financial statements.

**Inventories.** Inventories are stated at the lower of cost or market determined on a first-in-, first-out basis.

**Property and Equipment.** Property and equipment are included at one-half the total costs of these assets. The American Association of Cereal Chemists, Inc., shares equally in the cost of the property and shares headquarter space with the Society. Depreciation is computed over the estimated useful lives of the assets on a straight-line basis.

**Income Taxes.** The Society qualifies as a tax-exempt organization under code Section 501(c)(3) of the Internal Revenue Code.

**Note B: Cash**

A summary of cash follows:

	June 30	
	1990	1989
Cash—checking	\$ (56,327)	\$ 17,407
Cash—savings	163,732	258,529
Certificates of deposit	481,581	387,874
	<u>\$588,986</u>	<u>\$663,810</u>

**Note C: Prepaid Expenses**

Prepaid expenses represent advance payments for services and supplies which will benefit future years. A summary of prepaid expenses follows:

	June 30	
	1990	1989
Annual meetings	\$57,064	\$45,951
Books in press	(11,414)	(14,856)
Unexpired insurance	6,010	5,248
Prepublication costs — new journal	12,453	37,339
Service contracts	2,881	2,640
Other	7,586	9,473
	<u>\$74,580</u>	<u>\$85,795</u>

**Note D: Marketable Securities**

Marketable securities are reported at cost, if purchased, or at market value at the date of receipt, if donated to the Society. A summary of marketable securities follows:

	June 30	
	1990	1989
\$2000 Western Union Bonds maturing 1992	\$ 2,060	\$ 2,060
12,000 common shares Columbia	12,000	...
230 common shares Pacific Lighting	...	6,088
110 common shares General Motors and 10 common shares Electronic Data Systems and 10 common shares Hughes Electric Corp.	10,662	10,662

**The American Phytopathological Society  
Statement of Support, Revenue, Expenses and Changes in Fund Balances  
Year Ended June 30, 1990  
(with comparative totals for 1989)**

	Current Operating Fund	Endowment & Board- designated Funds	Total All Funds June 30	
			1990	1989
Public Support and Revenue				
Public support contributions	\$ 20,286	\$ 24,477	\$ 44,763	\$ 15,518
Revenue				
Membership dues	\$ 391,882	\$ ...	\$ 391,882	\$ 358,753
Subscriptions	651,655	...	651,655	622,366
Reprints	67,389	...	67,389	64,482
Abstracts	34,678	...	34,678	26,658
Page charges	145,168	...	145,168	166,078
Back issues	32,233	...	32,233	32,485
Books	572,175	...	572,175	568,584
Color charges	15,523	...	15,523	19,181
Annual reviews	10,672	...	10,672	11,599
Annual meeting	205,203	...	205,203	241,970
Advertising	55,898	...	55,898	63,898
Investment income	32,687	12,064	44,751	57,780
Gain (Loss) on sale of investments	...	(14,572)	(14,572)	...
Other	25,244	116,487	141,731	11,433
Total revenue	<u>2,240,407</u>	<u>113,979</u>	<u>2,354,386</u>	<u>2,245,267</u>
Total public support and revenue	<u>2,260,693</u>	<u>138,456</u>	<u>2,399,149</u>	<u>2,260,785</u>
Expenses				
Program services				
Annual meeting	192,326	...	192,326	187,963
Member services	205,191	...	205,191	224,768
Books	448,416	...	448,416	406,249
Journals	768,694	...	768,694	822,782
Total program services	<u>1,614,627</u>	<u>...</u>	<u>1,614,627</u>	<u>1,641,762</u>
Supporting services				
Management and general	643,532	14,312	657,844	662,746
Total expenses	<u>2,258,159</u>	<u>14,312</u>	<u>2,272,471</u>	<u>2,304,508</u>
Excess (Deficiency) of Revenue Over Expenses	2,534	124,144	126,678	(43,723)
Fund Balances, beginning of year	384,308	298,589	682,897	726,620
Fund Transfer	169,242	(228,152)	(58,910)	...
Fund Balances, end of year	<u>\$ 556,084</u>	<u>\$194,581</u>	<u>\$ 750,665</u>	<u>\$ 682,897</u>

(See accompanying notes.)

	June 30	
	1990	1989
27 common shares AMEV Securities, Inc. (formerly St. Paul Securities, Inc.)	317	317
14 units Paine Webber corporate Securities Trust	14,075	14,075
735 common shares Commonwealth Edison Co.	25,125	25,125
741 common shares Pennsylvania Power & Light Co. at June 30, 1990; 636 common shares at June 30, 1989	29,803	25,257
716 common shares Southern California Edison Co.	25,015	25,015
416 common shares Tucson Electric Power Company	...	25,043
Total cost	<u>\$119,057</u>	<u>\$133,642</u>
Approximate fair market value at June 30, 1990 and 1989, respectively	<u>\$123,890</u>	<u>\$122,214</u>

#### Note E: Property and Equipment

A summary of property and equipment follows:

	June 30	
	1990	1989
Land	\$ 55,631	\$ 27,047
Building, additions, and improvements	646,624	259,967
Parking lot	10,075	10,075
Equipment	211,373	204,493
Obligation under capital lease	54,481	54,481
	978,184	556,063
Less—accumulated depreciation	299,780	270,487
	<u>\$678,404</u>	<u>\$285,576</u>

#### Note F: Deferred Revenue

Deferred revenues represent advance receipt of amounts not earned but which will be included in income in future years. A summary of deferred revenue follows:

	June 30	
	1990	1989
Membership dues	\$237,334	\$205,235
Subscriptions		
<i>Phytopathology</i>	167,674	165,149
<i>Plant Disease</i>	127,254	122,777
<i>MPMI</i>	44,202	54,860
Annual meeting	125,153	35,548
Annual reviews	3,000	2,899
Books and other	21,134	38,128
	<u>\$725,751</u>	<u>\$624,596</u>

#### Note G: Long-Term Debt

	Current Portion	Long-term Portion	Total
Loan — Norwest: Adjustable mortgage of 2.75% over 1-year Treasury bill index, through 2005. Current year interest at 10.8% with installment note of \$2,468 monthly secured by building	\$ 6,538	\$210,108	\$216,646
Obligations under capital lease: \$1,756 payable monthly, including interest at 14.6%, through 1992.	17,034	18,259	35,293
Total	<u>\$ 23,572</u>	<u>\$228,367</u>	<u>\$251,939</u>
The maturities of this long-term debt follow:			
June 30, 1991	\$ 23,572		
1992	25,537		
1993	8,103		
1994	9,024		
1995	10,048		
Thereafter	175,655		
	<u>\$251,939</u>		

The Society, in equal partnership with the American Association of Cereal Chemists, Inc., constructed an 11,300-sq.-ft. addition to the headquarters building which was completed in January 1990. Total cost of the addition was \$874,208 divided equally between the organizations.

#### Note H: Reclassifications

Certain accounts relating to the prior year have been reclassified to conform to the current year presentation. The reclassifications have no effect on previously reported net earnings.

#### Note I: Capital Lease

The Society has entered into a lease for a Varityper which is shared by the American Association of Cereal Chemists, Inc. Based on the provisions of Statement No. 13 issued by the financial Accounting Standards Board, the lease meets the criteria of a capital lease and, accordingly, has been reported as such. The Society's share of the cost of this asset is \$54,481, net of accumulated depreciation of \$14,532 for 1990 and \$3,636 for 1989.

Future minimum lease payments under this capital lease, together with the present value of minimum lease payments subsequent to June 30, 1990, are as follows:

	June 30	
	1991	\$21,077
	1992	14,051
		<u>35,128</u>
Less amount representing interest, assuming in implicit effective rate of 14.6%		(5,283)
Present value of minimum lease payments		<u>\$29,845</u>

#### Note J: Pension

There were no changes made to the actuarial assumptions or the actuarial cost method this year. As of the latest valuation date, the plan remained top heavy, hence requiring the minimum benefits for nonkey employees and the more rapid vesting schedule.

The actuary determines the maximum and minimum deductible contributions allowable for each year.

In all years prior to the year ended June 30, 1983, the Society has vested the maximum deductible contribution in the plan. The actuary has advised the credit balance in the funding standard account can be used to reduce future contributions. The liability recorded represents the Association's estimate of the current year's plan contribution, accrued to date, based on a contribution of the minimum allowed account, with no further reduction to utilize a portion of the credit balance in the funding standard account.

No funded actuarial accrued liability is to be funded by future annual supplemental contributions to the plan because the full funding limitation applied as of the latest pension plan report dated September 1, 1989.

#### Note K: Contingent Liability—Employee Benefits

Effective April 1, 1983, the Society is self-insuring a portion of the medical care costs for eligible employees. Under this plan, sickness and accident benefits are not paid by the health care insurer until the total costs for the year exceed \$2,600 per employee. The first \$100 is paid by the employee and the remaining cost up to a total of \$2,500 will be paid by the Society. A reserve has been created and will be increased to compensate for claims in the future.

The American Association of Cereal Chemists, Inc. is participating in this partial self-insurance program. Consequently, most cost which will be paid by the employer will be shared by the two societies.

Claims paid during the years ending June 30, 1990 and 1989, totaled \$19,327 and \$27,650, respectively.

**Note L: Leases**

The Society is committed to various leases on warehouse space, automobile, computer, and mailing machine, which are shared by The American Association of Cereal Chemists, Inc. These leases expire at various dates ranging from April 1992 to December 1993. Aggregate future minimum rental commitments under noncancellable leases in effect at June 30, 1990, are as follows:

June 30	
1991	\$25,260
1992	22,140
1993	12,780
1994	6,390
	<u>\$66,570</u>

**Note M:** See below

**Note N: Fund Transfer**

The American Phytopathological Society Foundation Fund consisted of assets belonging to The American Phytopathological Society Foundation. The American Phytopathological Society Foundation is a separate corporate entity which was previously included with The American Phytopathological Society for financial statement and tax reporting purposes. Effective for the year ended June 30, 1990, The American Phytopathological Society Foundation was split off from The American Phytopathological Society. At the time of the split-off the fund balance was \$58,910.

**Note O: Affiliated Party Transactions**

The American Phytopathological Society is affiliated with The American Association of Cereal Chemists, The American Society of Brewing Chemists, and the American Phytopathological Society Foundation.

During the year ended June 30, 1990, The American Phytopathological Society received a contribution of \$20,286 from The American Phytopathological Society Foundation.

Expenses for operations of the headquarters building are shared by the Society and The American Association of Cereal Chemists. Accounts receivable include \$5,597 and \$7,510 receivable from the Association at June 30, 1990 and 1989, respectively.

Accounts receivable also includes \$27,496 and \$20,883 receivable from The American Phytopathological Society Foundation at June 30, 1990 and 1989, respectively, and \$7,084 and \$20,036 from The American Society of Brewing Chemists at June 30, 1990 and 1989, respectively.

In addition to sharing headquarters space and occupancy expenses with The American Association of Cereal Chemists, Inc., certain office and administrative expenses are paid jointly by the two organizations. Such expenses are prorated in relation to payroll and other measures. The accounts payable to the Association in the amounts of \$10,003 and \$31,426 at June 30, 1990 and 1989, respectively, represent unpaid shared expenses.

Accounts payable also includes \$31,806 payable to The American Phytopathological Society Foundation at June 30, 1990.

**Note M: Endowment and Board-Designated Funds**

	Balance June 30, 1989	Additions	Disbursements	Net Fund Transfers	Balance June 30, 1990
Ruth Allen Fund	\$ 12,980	\$ 6,643	\$ (980)	\$ ...	\$ 18,643
Lee M. Hutchins Award Fund	21,285	3,561	(250)	...	24,596
Building Maintenance Fund	30,544	2,129	(13,042)	5,000	24,631
Capital Improvement Fund	...	7,070	...	...	7,070
Auto Replacement Fund	4,902	384	...	...	5,286
APS Foundation Fund	58,910	...	...	(58,910)	...
Building Addition Fund	...	21,000	...	...	21,000
Operating Reserve Fund	169,968	97,669	(40)	(174,242)	93,355
	<u>\$298,589</u>	<u>\$138,456</u>	<u>\$(14,312)</u>	<u>\$(228,152)</u>	<u>\$194,581</u>



**Report of the Secretary.** Membership as of June 30, 1990, was 4,577, which was an increase of 234 over that of 1989. Membership by category was: regular, 3,305; student, 587; emeritus, 455; husband/wife, 73; student/spouse, 82; sustaining associate, 51; life, 8; and group, 16.

There were 1,936 registrants at the annual meeting in Grand Rapids, MI, with 85 contributed paper sessions containing 934 presentations.

The following members died since the last meeting: Thor Aamodt, Clyde C. Allison, Harland R. Burmeister, Ronald P. Covey, Jr., L. V. Edgington, Jack L. Gibson, Theodore J. Grant, R. G. Henderson, Russell A. Hyre, Frank H. Kaufert, Norman Krog, Paul R. Miller, Alfred W. Saettler, Daniel J. Samborski, Edward B. Seifried, Carl E. Seliskar, Arden F. Sherf, Samuel O. Thomas, Edward K. Vaughan, Zafkira Volcani, Willard Wynn, and Masaki Yamamoto.

I am honored to be the APS secretary through 1992. Thanks to all of the Society members and headquarters staff for your cooperation and help during this first year.—*Molly Niedbalski Cline*, Secretary

### REPORT OF THE APS FOUNDATION

The Executive Committee of the APS Foundation Board of Directors met March 1–3, 1990, and the Foundation Board of Directors met on August 5 and 7, 1990. In accordance with the constitution and bylaws of the Foundation, Ralph J. Green was elected to a second 5-year term on the board of directors. Anne K. Vidaver was appointed chairman of the Awards Program Committee.

The major activity of the Foundation, joint with the APS Council, is the endowment/building fund drive. In the first year of the drive, over \$20,000 was raised for the building fund and over \$100,000 for the endowment fund. The key to the achievement of the fund-raising goal the first year was the contribution of \$20,000 by the Ciba-Geigy Corporation, thanks to the efforts of Bill Tweedy and Vince Morton. Action was taken with the Council to further clarify the endowment fund and building fund programs. Action was also taken to set Endowment Fund goals for 1990–1991, including doubling the number of APS members who contribute to the fund.

There were two awards made by the Foundation in 1990: \$1,500 to the Office of International Programs to further its assistance program in providing the libraries of Third World countries with publications in plant pathology, and \$1,500 to the Women in Plant Pathology Committee to continue its Women in Plant Pathology Speaker's Bureau for a second year.

The board of directors approved the recommendation of its Award Committee that proposals be solicited in all program areas, as advertised in the Foundation brochure.

John Niederhauser briefed the board on the possibility of the Foundation participating in the facilitation of an international cooperative late blight program (PICTIPAPA). The Foundation informed PICTIPAPA of its interest in assisting in the implementation of this important program.—*James F. Tammen*, Chairman

### REPORT OF THE OFFICE OF INTERNATIONAL PROGRAMS

The Office of International Programs (OIP) provides continuity and coordination of APS international interests. The activities of the OIP were reported to the APS Council at its midyear meeting, and OIP conducted an advisory board and committee chairmen meeting on May 11 at AAAS headquarters in Washington, DC.

An additional ad hoc meeting of OIP members present was held in conjunction with the Caribbean Division meeting in Mayagüez, Puerto Rico, on May 29. The annual meeting at Grand Rapids on August 4 was well attended by advisory board and committee members. Our new advisory board member is Eugene B. Smalley. Jose Amador, Christopher C. Mundt, and Benjamin H. Waite were reappointed to 3-year terms.

An OIP discussion and open forum session provided an opportunity for dialogue with more than 120 APS members. The discussion on "Appropriate Graduate Studies for Graduate Students from Developing Countries" was introduced by H. D. Thurston and P. S. Teng. J. L. Apple described the NFSA guidelines and J. Krausz presented the results of a survey of graduate students, which will also be published for students and department chairmen. Nine graduate students representing a broad base of experience served as panelists. D. R. MacKenzie presented a summary and conclusions that were published in *Phytopathology News*.

This was the second year for OIP to have a booth display, complete with posters and a brochure describing OIP activities. The Tropical Plant Pathology Committee presented a display on black sigatoka of banana/plantain. Special attention was given to the CGIAR International Agricultural Research Centers (CIMMYT, ICARDA, and ICRISAT).

Reports of OIP activities were also given at the APS business meeting and at the Council meeting in Grand Rapids. The OIP Operating Procedures have been modified with suggestions from the advisory board and the Council. OIP is proposing to Council an international service in plant pathology award as an addition to official APS awards. The Council has authorized \$2,000 for 1990–1991, to be used for operating expenses.

OIP Committee activities are as follows:

**Communication:** Tom Van der Zwet solicits and edits articles on OIP and other international activities for *Phytopathology News*.

**Library Assistance:** Lawrence Datnoff and Art Lamey have a very active program of shipping donated publications to libraries in developing countries through the Smithsonian, from donations and with an \$8,000 UN-FAO grant. The AAAS Consortium of Affiliates for International Programs has an active program to provide journals for African libraries. APS is sending 45 current journals donated by members for distribution to African libraries.

**Professional Development:** Ethel Dutky and Joe Krausz are preparing a guide to APS resources (courses, programs, workshops, training aids, and volunteers) for developing countries.

**Placement and Registry:** Matt Royer developed a method to use a registry of volunteers for Third World service.

**Policy and Program:** John Bowman and Chris Mundt developed the objectives for this new committee and firmed up the membership. This committee also met Sunday evening, August 5, with standing committees.

**Projects:** John Niederhauser is working on the Mexico *Phytophthora infestans* project. This may serve as a pilot project for administration and accounting through the Foundation.

**Liaison:** Lawrence Apple and David Thurston cochair this large committee and coordinate its activities among all OIP members. Some activities of the liaison subcommittees are: Academic Institutions Subcommittee—Apple has received replies from academic institution representatives to identify constraints to international service and ways to overcome those constraints, to solicit publications for donation to libraries in less developed countries, to develop a support system for alumni working in less developed countries, and to solicit ideas and participants for OIP; Banks Subcommittee—Ernie Imle and Ben Waite arranged for OIP seminars at the World Bank and the InterAmerican Development Bank; Industry Subcommittee—Madan Joshi and committee members are developing a program for pesticide safety training in the tropics; International Agricultural Research Centers Subcommittee—Waite organized the second OIP booth presentation of three centers; Private Volunteer Organizations Subcommittee—Bill Brown is collaborating with the Peace Corps.

OIP encourages APS members to get involved in personal cooperative activities to share resources with scientists in developing countries as "international scientific partners."—*Charles J. Delp*, Director

### REPORT OF SOCIETY PUBLICATIONS

**Editor-in-Chief of APS Press.** APS Press is a progressive

publisher of books and other media in the plant sciences. It continues to market products at well below the rates charged for comparable works from other publishers. APS Press continues in its mission to operate a competitive publishing program that emphasizes publications relating to the discipline of plant pathology, provide service to APS members and readers beyond that provided by commercial and institutional publishers, and contribute to the financial objectives of APS.

APS Press published five new books and four slide collections during FY90. Agreements have been signed for publication of 38 additional books. APS Press sold 25,232 books during FY90, including 15,517 compendia, 454 symposia, 245 monographs, 205 classics, and 8,811 other books (nonseries titles, proceedings, and "Biological and Cultural Tests"). During FY90 our gross income was \$590,262 and our direct expenses were \$448,462, for a net income of \$141,800 (not adjusted for overhead). We exceeded our budgeted contribution to the Society by \$29,148. The gross income represented another record year for APS Press. Our growth rate was 3% over income received during FY89. We expect to publish 14 new books and seven new slide sets during FY91 and we have budgeted for the sale of 30,165 books to produce a gross income of \$678,290, representing a budgeted contribution of \$159,592 to the Society.

Three new senior editors were appointed by APS Council to the eight-member APS Press Editorial Board. Drs. Rose Gergerich, Joyce Loper, and Allison Tally were appointed to vacancies left by the completion of 3-year terms by Drs. Cedric Kuhn, Larry Madden, and Arthur McCain. Their 3-year terms became effective at the APS annual meeting in Grand Rapids. Continuing as senior editors are Drs. Kenneth Barker, Edward Brown, Patrick Fenn, Michele Heath, and Kurt Leonard. Dr. Steven Slack was appointed editor-in-chief-elect in preparation for beginning service in August 1991 as editor-in-chief of APS Press.

APS Press would not be successful without the superb support and leadership from the administrative, editorial, and marketing staffs at APS headquarters in St. Paul; the subject matter skills and dedication of the contributing book authors, editors, reviewers, and APS Press senior editors; and the support and guidance of our consumer audiences and commercial contributors. We express our sincere appreciation to all participants in this publication process.—*Richard W. Smiley*

*APS Press Committee for Phytopathological Classics.* The committee considered four principal topics at its annual meeting. The completion of the book on Dutch elm disease was reviewed and consideration was given to a paper on *Phytophthora infestans* by deBary. A synopsis is being prepared by C. L. Campbell. The synopsis will be distributed to the committee for review within 2 years. A proposal to publish two or three classical papers in nematology is being prepared. This work will be proposed as a joint publication by APS Press and the Society of Nematology, and has been endorsed in concept by SON. A manuscript on *Meloidogyne* of coffee trees by Goeldi will be included. A publication date in 1995 is being considered. Drs. Dennis Fulbright and Timothy Murray will serve as chairman and vice-chairman, respectively, during FY91—*Walker Kirby*, Chairman

*APS Press Committee for Illustrations of Plant Pathogens and Diseases.* Participants at the annual meeting were E. Brown, J. Smilanick, A. Keinath, J. Ogawa, T. Evans, J. Pscheidt, A. Schilder, J. Hadden, E. Dutky, and J. McCain. Review procedures for slide sets and videos were refined to expedite production. Additional proposals for slide sets will be solicited from plant pathology departments at each university. The "Cornell slide sets" were reviewed and returned to Cornell University. Although some sets contained individually excellent slides, the quality of the sets overall was considered inadequate for salvage. John McCain submitted the preliminary slide set on Basidiomycetes for committee review. Tom Evans represented the Teaching Committee and introduced a proposal to produce an interactive video disk that would be marketed by APS Press. He has been authorized to utilize APS Press color illustrations from the compendium series to video disk as a component of a USDA-

funded project. Frank Tainter will serve as a cooperator and the liaison with the committee. Joe Ogawa was given authorization to produce a video on bioluminescence methods in plant pathology and nursery stock certification programs.—*Edward Brown*, Chairman

*APS Press Committee for Biological and Cultural Tests.* Participants at the annual meeting were W. Wilcox, C. Canaday, M. Daughtrey, J. Watkins, D. Wysong, R. Smiley, and J. Hartman. Accomplishments and problems associated with the production of Volume 5 were discussed. Special attention was given to the publication of data on arthropod, weed, or vertebrate pests, provided that each report also includes phytopathological data presented in an integrated manner. Additional discussion centered upon the financial status and sales trend for the publication. The publication is now operating on a "break-even" basis. Mechanisms for increasing sales to non-APS members in allied disciplines were discussed.—*Wayne Wilcox*, Editor

#### **Addendum to the APS Press Annual Report: Status of Book Projects as of August 1, 1990**

A. Books and Slide Collections produced in FY90: Biological and Cultural Tests for Control of Plant Diseases, 1990; Compendium of Apple and Pear Diseases; Fungi on Plants and Plant Products in the United States; Illustrated Genera of Ascomycetes; Soilborne Plant Pathogens; Management of Diseases with Macro- and Micro-elements; Compendium Slide Sets: A Pictorial Guide to 1. Citrus Diseases, 2. Grape Diseases, 3. Ornamental Foliage Plant Diseases, 4. Wheat Diseases

B. Books and slide sets produced thus far in FY91: Compendium of Alfalfa Diseases, 2nd ed.; Dutch Elm Disease: The Original Papers; Fungicide Resistance; Fusarium Wilt of Banana; Selected Plant Pathogenic Lower Fungi

C. Books and slide sets currently in production: Serological Tests for Detection and Identification of Viral and Bacterial Plant Pathogens, Wheat Health Management

D. Additional books budgeted for publication in FY91: Biological and Cultural Tests for Control of Plant Diseases, 1991; Biology and Social Influence of Plant Diseases; Compendium of Bean Diseases; Compendium of Sunflower Diseases and Insects; Compendium of Tobacco Diseases; Compendium of Tomato Diseases; Diseases and Disorders of Ornamental Palms; Identification of Rhizoctonia Species; Managing Diseases of Greenhouse Crops

E. Unbudgeted manuscripts due in calendar year 1990: Apple Scab; Compendium of Chrysanthemum Diseases; Compendium of Cucurbit Diseases; Compendium of Raspberry and Blackberry Diseases and Insects; Corn Health Management; Diagnosing Plant Diseases; Forest Decline Concepts; Hypersensitivity in Plants to Pathogens: A Resistance Reaction; Methods for Research with Soilborne Phytopathogenic Fungi; Nutrient Deficiency and Toxicity Symptoms of Plants; Potato Health Management

F. Unbudgeted manuscripts due in calendar year 1991: Barley Yellow Dwarf; Biological and Cultural Tests for Control of Plant Diseases, 1992; Biology and Management of the Soybean Cyst Nematode; Compendium of Cassava Diseases; Compendium of Crucifer Diseases; Compendium of Rice Diseases; Compendium of Turfgrass Diseases, 2nd ed.; Peanut Health Management; Small Grain Insects

G. Unbudgeted manuscripts due in calendar year 1992: Biological and Cultural Tests for Control of Plant Diseases, 1993; Compendium of Greenhouse Flowering Potted Plant Diseases; Compendium of Potato Diseases, 2nd ed.; Late Blight of Potato; Phytopathology in The United States: A Historical Perspective; The Genus *Alternaria*: Biology and Pathology

H. Proposals being evaluated or agreements being negotiated: The Biology and Taxonomy of the Ophiostomatales

**Editor-in-Chief of Molecular Plant-Microbe Interactions.** *MPMI* is now in its third year of operation and is doing well. The bimonthly issues have become more substantial (10–12 papers per issue), the number of subscriptions has increased markedly



(about 30%), and the prestige of the journal continues to grow in the scientific community. During 1989–1990 we received 84 articles for publication and we published 53 articles in six issues. Of these articles, three were current reviews. The rejection rate was 39%, including articles that were withdrawn for reasons other than scientific merit.

The rate of submission has remained steady during the past year, averaging about seven articles per month. This steady rate of submission assures us of publication of substantial bimonthly issues, but it is not sufficient to allow a return to monthly publication in the foreseeable future. It is clear that if we continue to publish on a bimonthly basis we cannot guarantee rapid publication of all articles that have been approved and, therefore, we cannot meet the competition from other journals. Monthly publication remains a high priority goal for the editors.

In 1989–1990, the time between acceptance and publication averaged 3.6 months, which is probably as well as we can do under a bimonthly publication schedule. The time between receipt and acceptance averaged 3.2 months, a figure that is skewed by inordinate delays (up to 11 months) in the revision of a few papers. It is clear, however, that we must improve efficiency of the review process and that we must keep better track of articles that are returned to authors for revision.

Of the articles published in 1989–1990, 32% were in the area of procaryote pathology, 25% in procaryote symbiosis, 23% in fungal-plant interactions, and 20% in virus-plant interactions. Contributions from abroad continue to be substantial (45% of all published articles), an indication of the international prestige of the journal. In this regard, arrangements have been completed for the operation of a European office for *MPMI* (located in Brussels), which we hope will improve service to our European contributors.

Plans were made for the formal establishment of the International Society for Plant Microbe Interactions (IS-MPMI) at a meeting in Switzerland in September 1990. I have written new guidelines for *MPMI* that include procedures for the orderly transfer of editorial and financial responsibilities to joint committees of APS and IS-MPMI. Changes in the composition of the editorial board, including replacement of two senior editors and the editor-in-chief, as well as of all associate editors who will complete their initial 3-year terms, should be made as soon as the joint editorial advisory board is established.—*Luis Sequeira*

**Editor-in-Chief of *Phytopathology*.** *Pages published.* During the period July 1, 1989, through June 30, 1990, *Phytopathology* published 199 research papers with an average length of 5.2 pages. In addition, we published 3 letters to the editor (seven pages), 10 obituaries (10 pages), 1 symposium (18 pages), and 905 abstracts (124 pages).

Of the research articles published, 56 (28%) were submitted by foreign contributors from Argentina (1), Australia (3), Canada (16), China (2), Colombia (2), Denmark (2), France (3), India (1), Israel (8), Japan (3), Netherlands (3), Nigeria (1), Philippines (1), South Africa (3), Spain (3), and West Germany (4).

We published 1,326 pages during the fiscal year. Of these, page charges were assessed on 1,042 pages. The remaining pages included 3 pages for Acknowledgment of Reviewers, 3 pages for

TABLE 1. Publication of data

	Fiscal year				
	1985–86	1986–87	1987–88	1988–89	1989–90
<b>Manuscripts published</b>					
Articles	241	299	279	258	199
Abstracts	1,082	942	911	946	905
Total pages	1,334	1,760	1,744	1,572	1,326
Article length	4.9	5.0	5.3	5.2	5.2
<b>Manuscripts submitted</b>					
Total	438	420	380	358	335
Acceptance rate	78%	69%	65%	66%	64%
Publication time (days)	198	237	219	197	185

the Author's Guide for Manuscript Preparation, 24 pages for the annual report, 2 pages for the Presidential Address, 7 pages for the Plenary Session, 14 pages for Awards, 3 pages for the listing of Officers, Staff, and Committees of APS, 20 pages for the tables of contents, 18 pages for the index, 2 pages of errata, and 1 page for the Publisher's Statement.

*Manuscripts submitted.* During the fiscal year, 335 manuscripts were submitted for publication as research articles or symposia, compared to the 5-year mean of 401. As of July 16, 1990, 193 manuscripts had been accepted or tentatively accepted for publication, 105 had been rejected, 45 were in review, and 1 was withdrawn. The acceptance rate was 64%. Data for recent fiscal years are shown for comparison.

*Articles published.* Of the 199 research articles published in *Phytopathology*, 169 (82%) were submitted in a form for electronic processing. The average time between acceptance of an article and its appearance in print (issue date) was 185 days.

*Editorial processing.* The handling of a submitted manuscript at the editorial office and by the editor-in-chief averaged 7 days. It required an average of 20 days from the time the editor-in-chief mailed a manuscript to a reviewer until the reviewer mailed the review to a senior editor. The average time for editing manuscripts by senior editors was 14 days. Authors took an average of 73 days to revise and return their manuscripts to the senior editor. Final editing by senior editors prior to acceptance took an average of 5 days. Total time from submission to acceptance averaged 119 days.

*Editorial board.* The editorial board currently consists of 30 associate editors, 9 of whom will retire at the end of 1990. They are Alan Biggs, Richard Bostock, Martin Carson, Barry Cunfer, John Leslie, David Marshall, Steven Shafer, David Shew, and Jay Stipes. Our Society owes these people and the associate editors continuing on the editorial board a deep debt of gratitude for the hours spent reviewing manuscripts. In addition to associate editors, I would also like to thank the numerous ad hoc reviewers listed in the January 1991 issue of *Phytopathology* for their assistance in the editorial process, and senior editors Thomas Carroll, James Groth, Larry Madden, Mary Powelson, Steve Pueppke, and Earl Ruppel for outstanding service to the journal and the Society for the many hours spent editing manuscripts. Finally, my appreciation is expressed to members of the headquarters' staff for their professional effort in the editing of manuscripts and publication of the journal.—*D. M. Benson*

**Editor-in-Chief of *Plant Disease*.** The numbers of research manuscripts received and accepted for publication were up 15

Material published July 1989–June 1990

Type of item	Number published	Total pages
Masthead	12	12
Board page	12	12
Table of Contents	12	24
Authors Instructions	1	2
Focus	12	12
Editorials	6	6
Letters	2	2.5
Features	10	69.75
Symposia	2	25
Research	192	674
New Diseases & Epidemics	10	31.5
Special Topics	5	15.75
Spotlight on Diagnosis	1	1.5
Disease Notes	62	12
Industry News	3	3
Errata	3	
Acknowledgment of reviewers	1	2
Index	1	9
Advertising (paid and house)		46.5
Sustaining Associates/Ad Index	12	12
APS meeting program	1	21
Total numbered pages		959



and 9%, respectively, from 1988 to 1989. These changes ended a 5-year downward trend in manuscript processing. Of 368 research manuscripts received, including those for New Diseases and Epidemics, 232 were accepted. The acceptance rate of 63% was similar to the rates of recent years (61–66%). For Disease Notes, 84 manuscripts were received and 57 were accepted. The acceptance rate of 68% was similar to those of recent years (67–75%). Of the 202 research articles published, 25% were from countries other than the United States. Ten articles came from Canada, 10 from Israel, and 30 from 18 other countries.

Only 959 numbered pages were printed, whereas the average of the previous 5 years was 1130 pages. The reduction resulted from schedule problems, which have since been corrected, rather than from a lack of manuscripts.

The editorial team extends thanks to reviewers and to the professional staff at the *Plant Disease* office for continued high-quality service.—*W. A. Sinclair*

**Editor of *Phytopathology News*.** In the period July 1989 through June 1990, *Phytopathology News* averaged over 17 pages per issue. During this period 12 Editor's Corners, 7 Council's Columns, 42 committee and feature articles, 33 reports of meetings, 33 book reviews, and 4 division reports were published. Beginning in January 1990, the American Institute of Biological Sciences published a monthly column entitled "AIBS Washington Scene" in *Phytopathology News*.

The 1989–1990 editorial committee consisted of C. Lee Campbell, book reviews; Cleora D'Arcy, feature articles; Gary W. Moorman, people news; Carol E. Windels, division news and reports of meetings and workshops; and Laurence D. Moore, Editor's Corner. Moira Palumbo of the APS served as the editorial assistant assigned to *Phytopathology News*. Moira deserves special thanks for her work.

C. Lee Campbell will become editor of *Phytopathology News* effective with the January 1991 issue. D'Arcy, Windels, and Moore will continue to serve on the committee. Moorman will be replaced by Gail Schumann.—*Laurence D. Moore*

## REPORTS OF REPRESENTATIVES

**APS Representative to the American Institute of Biological Sciences.** "The Stewardship of Systematics" was the theme of the 41st annual AIBS meeting held August 5–9 in Richmond, VA. The plenary address was presented by Peter H. Raven, director of the Missouri Botanical Garden and Engelmann Professor of Botany at Washington University in St. Louis, MO. Dr. Raven's talk was entitled "The politics of conserving biodiversity." Dr. Gene E. Likens, director of the Institute of Ecosystem Studies of the New York Botanical Garden, received the 1990 AIBS Distinguished Service Award.

AIBS sponsored a number of symposia of interest to APS members, including one on "Systematics, Society and Public Policy." Participants in the symposium included Congressional Representatives James Scheuer (D-NY) and Claudine Schneider (R-RI) and representatives from a number of federal agencies and academic institutions. This year AIBS sponsored an education session focusing on undergraduate research and a program on minorities in biology. (AIBS received funding from NSF and USDA to study the feasibility of creating a database of women, minority, and disabled life scientists as part of its goals of increase their numbers in the biological sciences.)

Paul R. Ehrlich, Bing Professor of Population Studies at Stanford University, is the 1990 president of AIBS and Paul G. Risser, vice-president for research at the University of New Mexico, is president-elect.

The 42nd annual AIBS meeting will be held in San Antonio, TX, August 4–8. The theme will be "Education: The Future of Biology." The 1992 meeting will be held August 9–13 in Honolulu; the 1993 meeting, August 8–12, Iowa State University; and the 1994 meeting, August 7–11, University of Tennessee.

*BioScience*, which is published by AIBS, had a number of special theme issues this year, including "Long Term Ecological

Research" (July–August) and "Gene Transfer Between Crops and Weeds" (June). The March issue exemplified the gradual expansion of the journal into the domain of molecular biology. *BioScience* fosters communication among biologists by means of special sections on education, viewpoints, and book reviews, as well as special theme issues.

In January AIBS instituted the preparation of a monthly news release that is supplied to member societies at no cost for publication in their newsletters. A number of APS members had requested that *Phytopathology News* carry a "Washington Watch" type monthly column and the AIBS monthly news release has met that need.

One of the long-term goals of AIBS has been to establish a national registry of all life scientists. The purpose of the registry is to aid and improve the communications and information exchange not only among biologists but also between life scientists and the public.

Under the leadership of Ehrlich, AIBS has established a "Task Force for the 90's." Its primary goal is to have all member societies affiliated with the institute in such a way that all of their members receive *BioScience* and *Forum* directly. A key mission of the task force is to obtain greater recognition and support for such key areas of biological science as ecology, evolutionary biology, systematics, and related aspects of agriculture. AIBS convened a "Conclave of presidents for the decade of the 90's" to address its goals.—*Laurence D. Moore*

**APS Representative to the American Type Culture Collection.** ATCC is "enjoying" the problem of growing pains and is caught in the dilemma of deciding whether to stay where they are in facilities that will require major renovation or to build on a new site. Problems of site selection and disposal of current buildings are major concerns now under consideration. The board of directors maintains an advisory role in close coordination with Director Robert E. Stevenson and his staff.

An excellent article appeared in the August 20, 1990, issue of *The Scientist* regarding the operations of ATCC and Dr. Stevenson's leadership. Of particular interest is the current discussion about the amount of research that might be conducted at ATCC without diminishing curatorial duties and responsibilities. Two things have been made clear to the board: research activities that obstruct in any way the mandate to acquire, preserve, authenticate, and distribute pure cultures to the scientific community will not be considered, but ATCC comprises a unique resource and invaluable opportunity to conduct molecular biology research that should be used advantageously. Please raise questions with me or Dr. Stevenson if you have questions about current policy regarding curatorial responsibilities and research opportunities.

Advisory committees play an important role in culture collection activities. The Mycology Collections Advisory Committee met recently and provided its report to the Science Committee and the Collections Committee of the board. Many APS members are already active in these advisory roles, especially in the plant virology arena, and I urge members to take the opportunity to participate in these activities where possible.—*W. M. Dowler*

**APS Representatives to the Council of Agricultural Science Technology.** CAST is a nonprofit consortium of 29 professional societies, including APS, in food and agriculture. CAST continues to play a significant role in responding to the broad needs of agriculture and the public interest in food safety, water equality, and protection of the environment.

The major publications are: task force reports prepared by a group of eminent scientists, Comments from CAST prepared by one or more scientists, and Science and Food and Agriculture Supplement for Teaching prepared by individual scientists and edited by CAST staff. The task force report, "Mycotoxins: economic and health risks," was published in December 1989 and a CAST review of the National Research Council (NRC) report, "Alternative agriculture," is scheduled for release in July

1990. Additional task force reports to be published in 1990 are as follows: "Waste management and utilization in food production and processing," "Food fats and health," "Risks associated with foodborne pathogens," "Application of risk assessment to agricultural and food issues," "Minor use pesticide registration: Problems and solutions," "Water quality: Agriculture's role," and "Ecological impacts of federal conservation and crop land reduction programs."

In response to a national concern for food safety, the environment, and the rapid changes in pesticide registrations, the board of directors at its annual meeting in February 1990 approved the following topics for development into task force reports: public perception of agricultural drugs and chemicals, the impact of alternative agricultural practices on the environment, relationship of value-added activities on agricultural products and the U.S. trade balance, risk/benefit assessment of agricultural chemicals, and integrated animal waste management.

The past year has been a year of significant internal change at CAST headquarters. Executive Vice-President William Marion resigned and Dr. Stanley P. Wilson was appointed to this post effective June 1. Dr. Wilson joins CAST after a distinguished career in the USDA/ARS, as associate director of the Alabama Agricultural Experiment Station, and vice-president for agriculture, home economics, and veterinary medicine at Auburn University. Recently, Wilson has been a private consultant and a self-employed farmer.

CAST officials and board members recognize the importance of effective communication with all segments of agriculture. CAST is continuing educational efforts to inform the youth, producers, managers, and scientific advisors of the problems, innovative initiatives, scientific facts, and importance of agriculture to the United States and the world. CAST is interested in the concerns of APS and remains open to suggestions by committee chairmen and individual members and has asked for nominees to serve on task forces. CAST is endeavoring to increase financial support and is exerting a special effort to expand individual membership and to attract grants and other forms of financial support.—*Kenneth D. Hickey and Gary A. McIntyre*

**APS Representative to the Commission on Life Sciences, National Research Council, National Academy of Science.** Due to a shift of the spring meeting of the CLS to the West Coast, I was unable to attend. There was a question of the CLS continuing to welcome corresponding science society representatives to its meetings, because there has been generally poor attendance by the representatives. However, I have been asked to continue attending, and I recommend that APS continue to support this activity. The CLS deals with very important issues and subject matter, in my view. I have been invited to the September 26–27 meetings in Washington, DC.—*Jack Barnes*

**APS Representative to the International Committee on Taxonomy of Viruses.** The ICTV met in conjunction with the VIII International Congress of Virology in Berlin, August 26–31. The Executive Committee of ICTV met in April 1989 and prior to the Berlin congress.

Statutes guiding the ICTV were written and approved by the committee. Many taxonomic proposals were discussed and some were approved for final action at the plenary session. ICTV members voted on these proposals during the plenary session. Major changes in the rules for nomenclature of viruses were approved: a rule requiring an effort toward Latinized nomenclature was abolished; a rule was changed so that "existing names shall be retained whenever feasible"; a rule was changed so that "a virus name, together with a strain designation, must provide an unambiguous identification and need not include the genus or group name"; other rule changes included "a virus name should be meaningful and consist of as few words as possible" and "the genus name should be a single meaningful word ending in ... 'virus'."

Three subgroups were established in the geminivirus group. A new plant virus group with bacilliform particles and dsDNA,

genome was established with commelina yellow mottle virus as the type species. A new family of polyhedral dsDNA viruses of eukaryotic *Chlorella*-like green algae was established (named the Phycodnaviridae) with the genus Phycodnavirus, having as the type species *Paramecium bursaria* Chlorella virus-I. The first virus order was established and composed of the Feloviridae, Paramyxoviridae, and Rhabdoviridae. The Tosopovirus genus was established in the Bunyaviridae with tomato spotted wilt virus as the type member.

R. I. B. Francki concluded his term as president of the ICTV. Dr. F. Murphy was elected president, Dr. K. W. Buck was elected vice-president, and eight members were elected to the ICTV. A Potyvirus Taxonomy Workshop was held after the Berlin congress. Workshop members proposed a family - Potyviridae with three genera, Potyvirus to include the aphid-transmitted viruses, Ryemovirus to include the mite transmitted viruses, and Baymovirus to include the fungal transmitted viruses. (A fourth genus might be proposed later to include whitefly-transmitted viruses.) This has been an historic year for virus taxonomy.—*O. W. Barnett*

**APS Representative to the International Society of Arboriculture.** ISA met August 12–15, 1990, in Toronto, Ontario, and will meet August 11–14, 1991, in Philadelphia, PA.

The Arboricultural Research and Education Academy, a subgroup of ISA, attracted 21 scientists and educators to the Toronto meeting to present papers or posters. Pathological subjects included integrated pest management, tree longevity, bacterial leaf scorch, embedded wire, NaCl damage, and SO<sub>2</sub> pollution. Contributions for 1991 are welcomed.

Two plant pathologists received international awards: Dr. Donald F. Schoeneweiss for his arboricultural research and Dr. Francis W. Holmes, Honorary Life Membership for his activity with the ISA Research Trust Foundation.—*Dan Neely*

**APS Representative to the International Society for Plant Pathology.** The representatives, who will participate in the ISPP Council in 1993 at the Montreal congress, deliberated briefly on the issues they will eventually decide on behalf of APS: the location of the 1998 Congress (anticipated location bids from Edinburgh, Delhi, and possibly South America, Africa, or others); new country societies who will apply for membership; and potential future officer candidates. We discussed the international nature and image of APS.

Charles Delp, chairman of the Office of International Programs, briefed delegates on its activities. We discussed our charge of dealing with the issues of population pressures and plant health as it relates to human population health and of international collaboration in research and extension.

The aim of the program for the 1993 congress is to provide stimulation with time to meet people and exchange ideas. The official scientific program will consist only of symposia and discussion sessions. The discussion sessions will be designed around groups of posters on related topics and will consist of a short presentation by a discussion leader, followed by a discussion period. The participants can then adjourn for coffee in the poster hall for more specific discussions with authors of posters. There will be no unsolicited oral presentations and no official evening program, but the Program Committee will entertain suggestions for informal discussions and workshops on topics of special interest. For further information, contact Dr. Michele Heath (Chairman, Program Committee), Botany Department, University of Toronto, Toronto, ON M5S 1A1 Canada.—*Richard E. Ford*

**APS Representative to the Intersociety Consortium for Plant Protection.** As indicated in the 1989 report written by D. E. Mathre, the future directions and mission of ISCPP received considerable discussion during 1989. As a result of that discussion, APS Council voted during the annual meeting at Richmond to suspend APS' further participation in ISCPP activities, thus resulting in an uncertain and unclear future for the organization.



During 1990 considerable discussion regarding the ISCPP was held at the Long-Range Planning Committee meeting on March 16, 1990; during the midyear Council meeting on March 17; and at the annual meeting of Council in Grand Rapids.

ISCPP, comprising SON, ESA, WSSA and APS, was founded 10 years ago. Five years ago ESA withdrew from ISCPP, thereby considerably weakening the consortium. One of the initiatives undertaken by ISCPP was the Plant Health Management Series publication, which APS will be producing. Although there is considerable support for active continuance of ISCPP, particularly from WSSA and SON, Council believes that without broader coordinated support for the issues centering on plant protection and plant health, ISCPP as presently structured will be relatively ineffective. Council has endorsed the recommendation that the president explore various national initiatives that would provide avenues through which the perspectives of APS could be brought to bear on matters of public policy and concern in the areas of plant protection and plant health as they relate to human and global welfare. One such initiative could be a restructured and rejuvenated form of ISCPP.

APS continued to serve as the secretariat for ISCPP. As of December 31, 1989, ISCPP had \$2,744.86 in its account.—*P. H. Williams*

**APS Representative to the U.S. National Committee of the International Union of Microbiological Societies.** USNC/IUMS met in Washington, DC, on January 10, 1990, at the National Academy of Sciences. Complete minutes of the meeting are available. The Bacteriology Congress in 1994 will be held in Prague, Czechoslovakia. With the rapid changes occurring in Eastern Europe, this will be a great opportunity to interact with colleagues without the political constraints of former years.

The United States has submitted an application to sponsor the 1998 Virology Congress. The competition for holding the Congress elsewhere is also strong.

To enhance plant pathology representation in IUMS, T. W. Mew of the Philippines (IRRI) was nominated as a member-at-large for the executive board by L. Sequeira, USNC member-at-large.

The committee also endorsed making a strong statement to the U.S. Department of State regarding inadequate support of science programs in developing countries. Current support is inadequate, primarily because of U.S. withdrawal from UNESCO.

There are continuing efforts to reconcile relationships between the Mycology Division of IUMS and the International Mycological Association, particularly with regard to spacing of future meetings.

Among resolutions submitted by the U.S. delegation to the general assembly of IUMS (Berlin, 1990) were: 1) to convene a meeting on problems with biological terminology arising from different usages of similar terms and other problems, 2) to support development and publication of international standards for culture collections, and 3) preparation of internationally agreed upon guidelines for introduction of genetically-modified organisms into the environment, especially for countries that currently do not have mechanisms to assess such risks.—*Anne K. Vidaver*

## REPORTS OF STANDING COMMITTEES

### Society Internal Relations

**Archives Committee.** Chairman Doug Jardine reviewed correspondence of the previous year, described his visit to the APS Archives at Iowa State University, and detailed current APS archives holdings. The APS Archives does not loan materials to individuals, but can send photocopies.

John Lockwood was complimented on his paper for the APS-CPS meeting that chronicled the early history of plant pathology in Michigan. Craig Canaday will contact a departmental representative from the University of Missouri about preparing a similar display for the 1991 meeting in St. Louis.

It was noted that the Parks Library does not receive APS funding for care and cataloging of materials into the APS

Archives. Jardine is to contact the APS Council during the meeting to ask for a \$1,000/year contribution towards this purpose.

Representatives from the Northeastern and Caribbean divisions are still needed for the committee. The committee chairman will also contact retiring plant pathologists about the possibility of submitting materials to the APS Archives and will send reminders to department heads/chairmen about this possibility.

C. Lee Campbell will approach the *Plant Disease* editorial board about the possibility of having 1- to 2-page "featurettes" describing the contributions of earlier plant pathologists. Articles could be contributed by APS members or nonmembers, e.g., history graduate students or students majoring in archival management. Campbell and Paul Shefelbine will also develop a *Phytopathology News* article concerning what materials are appropriate for the APS Archives.

The need for divisional archivists was discussed. A few divisions already have an archivist. A problem that was discussed is what materials should be kept in a departmental or university archive vs. the Society's archives. Generally, the Society's archives should be reserved for materials that would be of some interest to the membership of APS or have some historical significance to plant pathology. Ways to make materials more widely available would be to have copies filed with the APS Archives or have the catalogs from other archives on file in Ames. These materials could then be made available through interlibrary loan.

Council will be approached at the midyear meeting about the possibility of providing funding to bring Stanley Yates, curator of the APS Archives, to the 1991 meeting in St. Louis to meet with the committee.

Estelle Hrabak was appointed vice-chairman.—*Douglas J. Jardine*

**Awards and Honors Committee.** The committee met on February 10 and 11 at the Courtyard Marriott in San Bruno, CA. Actions taken were as follows: fellows selected from 44 active and seven emeritus members nominated were T. A. Chen, W. O. Dawson, W. E. Fry, M. J. Jeger, A. L. Jones, E. L. Kendrick, W. H. Ko, Y. L. Nene, H. R. Powers, K. J. Scott, H. D. Van Etten, and O. C. Yoder. Chosen for the Ruth Allen Award from 11 nominations of individuals and groups was R. N. Beachy; for the Ciba-Geigy Award from 10 nominees was J. J. Marois; for the Extension Award from three nominees was J. M. Amador; for the Lee M. Hutchins Award from seven nominations of individuals and groups was T. J. Burr; and for the Teaching Award from three nominees was L. Frederick. There were two nominees for the Award of Distinction but no one was selected.—*J. M. Ogawa*

**Committee on Committees.** Appointments of 4–6 members were made to each of over 40 standing committees of the Society. Efforts were made to streamline and standardize the committee appointment process by devising a standard set of forms and procedures to be followed each year. A procedures manual of sample forms and letters, including a timetable of activities, was prepared to be updated by the committee each year.

Special efforts were made to solicit nominees for committee assignments from industry-based members. Of 50 industry volunteers, about two-thirds were placed on committees. The Industry Committee was charged with the responsibility of soliciting nominees from industry in the future and forwarding them to the senior counselor-at-large. Appointment procedures to the Public Relations Committee were changed to include the retiring past president and the retiring senior counselor-at-large each year, along with two appointees from the general membership. An editorial was written for *Phytopathology News* describing the committee appointment process and the importance of participation in APS committees.—*Randall C. Rowe*

**Meeting Site Selection Committee.** Future meetings of APS will be August 17–21, 1991, St. Louis, MO; August 8–12, 1992, Portland, OR; November 7–11, 1993, Nashville, TN; August 6–10, 1994, Albuquerque, New Mexico; and August 12–16, 1995,



Pittsburg, PA. The 1996 meeting will be in the Caribbean (tentative) or Potomac division area—*O. W. Barnett*

**Membership Committee.** *Current membership totals.* As of July 7, 1990, total members in the Society numbered 4,581, an increase of 238 (5.5%) from last year at this time. Student members total 595, a decrease from 628 a year ago. This is probably a reflection of the decline of graduate students in plant pathology curricula nationwide.

*University faculty/student promotion.* In January 1990, a personal letter was mailed to plant pathology department heads at 97 universities, asking them to provide a list of all faculty, postdoctorates, and graduate students in their departments working in any area related to plant pathology. We received 48 responses or lists, a 49% response rate. The lists were used to create a file of names and addresses of 1,143 nonmembers with a potential interest in joining APS. In April 1990, these 1,143 individuals received a personalized letter of invitation from President Paul Williams to join APS. As of July 1990, APS has accepted 61 new members as a direct result of this promotion, a 5.3% response rate. Of the new members, 36 are student members and 25 are regular members.

*Former member renewal promotion.* A personalized letter/survey was mailed in March 1990 to 348 former members. As of July 20, APS had accepted 17 renewals as a direct result of these letters, a 4.9% response rate.

*MPMI member promotion.* A targeted promotion announcing MPMI as a new membership option with the theme "Now there's a place for you" was mailed to 11,569 names from the membership lists of the International Society for Plant Molecular Biology, the American Society of Plant Physiologists, and selected interest groups of the American Society for Microbiology. As of July 20, this mailing has generated 67 new members, a 0.58% response rate.

*Post-meeting membership promotion.* A promotion was mailed to 91 nonmembers who paid full registration fees to attend the APS annual meeting in Richmond. This group was offered an \$18 to \$28 discount to join the Society. The promotion resulted in 23 new members, a 25.3% response rate. A similar promotion was mailed to 143 nonmembers who received complimentary registrations, or paid less than full rate. They were invited to join at the regular rate. This promotion resulted in 9 new members, a 6.3% response rate.

*New brochure.* The new membership brochure, which resulted from action at Richmond, was printed in January 1990.

*Membership advertisement campaign in society journals.* Since March 1989, 30 membership benefit advertisements have run in the three APS journals.

*Future plans.* Most of the 1989–1990 promotional campaigns had response rates of approximately 5%, making them worthwhile to the Society. We recommend that the university, former member, and post-meeting membership promotions be continued.

If the proposal to reduce student membership dues to approximately 1/3 those of regular members is approved by the APS membership, next year's committee should design a campaign to attract graduate students to join the Society.—*Cleora J. D'Arcy and Greg Grahek*

**Nominating Committee.** Call for nominations from the membership was sent out by APS staff in December 1989 with a return deadline of March 5. A list of all nominees and number of votes received was prepared. The committee (intermediate councilor-at-large and division councilors) met at the midyear APS Council meeting on March 16 and rank-ordered nominees for each office. APS procedure is that the person receiving the most votes for each office is nominated, but that the committee can choose the second nominee.

After this meeting, nominees were contacted in rank order until two agreed to run for each office. Candidates sent biographical information and photographs to headquarters by May 1 and the election ballots were mailed about 3 weeks later. Election results were tallied after the July 1 voting deadline and all candidates

were informed of the election results.

New officers for 1990–1991 are: Vice President R. C. Rowe and Councilor-at-Large C. E. Windels.—*Cleora J. D'Arcy*

**Placement Committee.** Brian Hudelson, substituting for Eva Hecht-Poinar, opened the meeting by welcoming new members Cynthia Sollod, John Payne, Remy Yucel, Steve Ries, Ed Carley, and Mark Ricker.

According to communications with Dotty Ginsburg, the Placement Service has been very active in 1990 with 192 new candidates and 226 new employer listings. Data show there is approximately a 1:1 ratio between employer and candidates over the past 15 years, i.e., 2,550 employers and 2,515 candidates. A suggestion was made to try to determine the percent success in the job postings. Steve Alderman will follow up on this.

The format to publish the graduate student dissertation titles and degrees was completed last year by Mel Lacy. The question arose if further follow-up or input was needed. Steve Alderman will follow-up with the editor of *Phytopathology News*.

In 1989, a suggestion for having a cosponsored session on "Nontraditional Job Opportunities" was proposed by the Women in Plant Pathology Committee. The Placement Committee agreed that it was appropriate for the 1991 meeting. Some suggestions were: careers in EPA, teaching in liberal arts schools or secondary schools, food industry, private practice, nurseries, international, etc. A panel discussion will be held at the end of the session. The session will be requested for immediately prior to the Graduate Student Social. Allison Tally (Placement) and Rosemary Loria (Women in Plant Pathology) will coordinate the program and speakers.

In 1988, a survey on salaries was conducted. Mark Boudreau will determine if this information can be published in *Phytopathology News*.

Albert Culbreath and Mike Klopmeier were nominated to be new incoming members in 1991. Brian Hudelson was elected vice-chairman-elect (chairman in 1993). The committee sincerely appreciates the contributions of outgoing members Linda Kinkel, Mel Lacy, and Phil Larsen.—*Allison Tally*

**Sustaining Associates Committee.** The committee met in Grand Rapids, MI, on August 5. The meeting was chaired by D. R. Smith. Attendees included seven committee members, three visitors, and Greg Grahek, APS staff. Through lists provided by APS and committee members, 166 U.S. companies or organizations were identified as promising prospects to become Sustaining Associates. Contact individuals within these companies or organizations were identified to serve as a basis for personalized mailings to be made during September. A telephone follow-up by committee members to the targeted individuals will hopefully result in a significant increase in Sustaining Associates.

The Sustaining Associates breakfast held August 7 had 28 attendees. Ray Tarleton, APS staff, discussed the current status of the Plant Health Act, COFARM, APS services, and MPMI. Jim Tammen reported upon the status and impact of the APS Foundation. Bill Tweedy and Vince Morton presented a significant monetary contribution for the endowment fund from Ciba-Geigy Corporation to Dr. Tammen.

Officers for 1990–1991 are Chairman Steve Leath and Vice-Chairman Greg Watson.—*David R. Smith*

## Society General Policies

**Biotechnology Regulations Impact Assessment Committee.** Two meetings were held. In the first meeting discussion centered on the merits of classification of plant pests, pathogens, and plants according to risk, and on the results obtained by efforts such as Dr. Bisham Singh's USDA-APHIS-PPQ workshop. Also discussed was the work of ABRAC and its soon-to-be-published guidelines regarding field testing of genetically modified organisms. The ABRAC guidelines are risk-assessment based and meld well with the APHIS-PPQ effort.

The Office of Science & Technology Policy (OSTP) statement on the scope of federal regulatory agencies' oversight was also found to be entirely consistent with a risk-assessment-based approach. The committee unanimously voted to ask APS Council to support the OSTP document. Plant pathology departments and individuals will also be asked to respond.

New legislation introduced by Rep. Roe of New Jersey in the House of Representatives (HR5312) seemed at first glance to be a step in the wrong direction, in that it mandates regulations based upon the process of modification, rather than on the basis of risk assessment.

The committee agreed to cosponsor a symposium with the Seed Pathology Committee on "Legal Aspects of Plant Pathology" and a workshop entitled "Tools to Insure Freedom and Responsibility to Operate in Crop Protection" in 1991.

New officers elected were Chairman Rod Townsend and Vice-Chairman Cindy Orser.—*Dean Gabriel*

**Collections and Germ Plasm Committee.** Ten members, four new members whose terms start at the end of this meeting, and nine guests attended the committee meeting on August 5. Larry McDaniel reported upon matters of concern and on activities of the American Type Culture Collection.

Following a discussion of the project by virologists and USDA, APHIS for modifying interstate transportation permits of selected plant viruses and the need for reevaluating permit requirements for other kinds of plant pathogens, a resolution was passed requesting APS Council to approve the plant virus project and asking Council to support similar projects for modifying interstate and intracontinental permit requirements for other plant pathogens. We recommended to Council that the appropriate organism committees be charged with appropriate modifying activities.

Larry W. Moore presented a list of potential speakers for a session at the 1991 meeting on development and utility of a national/international computerized network of scientists with collections of microbial and subcellular germ plasm. The committee decided to propose this topic to Council for a symposium. Following discussion, a subcommittee was appointed to develop a discussion session for the 1992 annual meeting on the challenge of enhancing germ plasm from collection to utilization.

Following acceptance of the resignation of the committee's current vice-chairman, Dr. Steven Leath was elected chairman for 1990–1991, Dr. Hassan A. Melouk was elected vice-chairman, and Dr. A. Graves Gillaspie, vice-designate. Eight persons were nominated for consideration for appointment to the committee in 1991.—*J. Rennie Stavely*

**Emeritus Committee.** The committee met on August 5. Participating APS members were Francis Gough, Frances Latterell, John Lockwood, Jack Schafer, Malcolm Shurtleff, and E. P. Van Arsdel. Minutes of the 1989 meeting in Richmond were distributed and accepted. The chairman summarized the responses of emeritus members to the questionnaire sent out in June 1989 regarding their current activities and interests, especially those relating to phytopathology. Of the 263 questionnaires mailed, 54% were returned. The results have been published in *Phytopathology News*.

The same questionnaire was mailed this year to all emeritus members, requesting replies from those who had not responded in 1989 and especially newly retired members. Among the 48 responses to this year's questionnaire were 15 who were willing to review manuscripts, 13 who would give guest lectures, 9 who expressed an interest in teaching subjects in their specialty, 20 who indicated a desire for a short-term assignment, and 4 for a long-term foreign assignment. An equal number were interested in pursuing opportunities in consulting for industry or serving as an extension specialist or researcher.

Considerable discussion ensued concerning the opportunities for retired plant pathologists who wish to remain active in their chosen field. Bob Fulton volunteered to write an article for *Plant Disease* or *Phytopathology News* describing such potential oppor-

tunities, noting that a number of companies in Washington and elsewhere are interested in knowing what talents are available. The need for consultants has increased at least partially because state support for agricultural extension work has decreased. Extension work has become more urban-oriented with support now greater in the social sciences.

Fulton noted that the annual meeting of the National Independent Crop Consultants is coming up in Orlando, FL. He cited a number of examples of where consultants were needed to solve problems of rice and cacao where copper was excessive in soils from earlier applications of copper fungicides. Other examples given were of retired plant pathologists with expertise in soils who might serve in consultant capacities.

An emeritus luncheon was held on August 7 with 24 attendees. George Agrios presented an excellent talk on the state of the Society. Ed Kendrick reported on the state of the APS Foundation. There is a \$500,000 goal for the endowment fund, which goes primarily toward retirement of the mortgage for the headquarters building. Only 0.7% of APS members have contributed to the building fund, and only 4% of emeritus members have contributed to the endowment fund.

Mal Shurtleff gave a slide presentation, summarizing the survey of emeritus members. Attendees at the luncheon voted their preference for a luncheon at the next annual meeting in St. Louis instead of an evening social.

Inasmuch as emeritus members who are able to attend national meetings no longer being funded by their institutions are somewhat scarce, it was suggested that the chairman might propose to APS Council the possibility of making this an ad hoc or standing committee in the hope of increasing the number of participants in discussions of affairs of interest to retired members.

Mal Shurtleff was reelected chairman and Dick Campana vice-chairman.—*M. C. Shurtleff*

**Extension Committee.** Chairman Paul Bertrand called the meeting to order on August 5. No old business was discussed.

Considerable discussion pursued on the program for 1991. John Hubbard, representing the Seed Committee, asked the committee to cosponsor a symposium related to legal issues involving seed certification. The committee suggested that transplants be added to the topic and that the Regulatory Work and Foreign Plant Disease Committee be requested to also cosponsor the session and that an extension specialist who works with regulatory issues and a federal or state regulatory person speak at the session. The consensus of the committee was to act as a cosponsor for this topic. The committee also agreed to cosponsor, with the IPM Committee, a symposium entitled "Food and Environment: IPM Meets the 21st Century."

Barry Jacobsen suggested that the committee organize a 1991 program that would benefit extension pathologists. For 1991, the topic approved was "Future Directions for Extension Plant Pathology." The format was determined to be a colloquium with discussion. Some of the speakers to be included are federal administrators, state administrators from two types of schools (one from a school with emphasis in agriculture and one from a more urban-based state), an industry representative, an extension specialist, and an extension agent. The emphasis should be on how plant pathologists' responsibilities fit into national initiatives. The committee approved the topic and the general outline of the session. Tom Melton will be in charge of arranging the colloquium.

The idea of selecting topics for the 1992 APS meeting, which will be at Portland with the Mycological Society of America, was discussed. It was suggested that topics be of interest to both societies. One topic that was discussed was new concepts on extension technology, such as satellite technology: does it really work and is it really used? It was decided to determine topics for 1992 at next year's meeting.

The APS Council asked for the committee's view on the registry of professional plant pathologists. Barry Jacobsen gave some background on the registry program. The reasons that APS has not agreed to the registry to date were discussed. The pros and



cons to a registry were thoroughly discussed. The committee voted not to object to APS participating in such a registry.

Chairman for 1990–1991 is Tom Melton and vice-chairman is Keith Waldron.—*Thomas A. Melton*

**Industry Committee.** Everyone is welcome and encouraged to participate in the committee. We have historically made an effort to represent a broad range of interests. New members for 1990–1991 are Jim Adams, Agri-Diagnostics Associates; John Cross, Asgrow Seed Co.; Jim DeVay, University of California; and Bill Hairston, Gustafson, Inc.

Randy Rowe, senior counselor-at-large, and Vince Morton mounted an effort in 1989–1990 to increase participation by industry in other committees. Initial results appear very positive, although most activity in the committees lies ahead. The project was formally adopted by the committee in Grand Rapids and placed under the leadership of John Cross.

The committee routinely discusses student desire for widespread announcement of all job openings in industry. As a student, I was welcomed and productively active in the APS committee structure in general, this committee, and the Industry-Extension Social. These provided a better feeling for the range of careers available to train for and, perhaps more importantly, the range of personalities among both public and private employers. It also provided the advantages and disadvantages of potential employers and employees knowing each other. While chairing the Placement Committee as a student, I was struck by the number of applicants who appeared seemingly from nowhere, each claiming interest in a subject. This nonproductive blizzard was a major reason many employers did not widely advertise.

A list of industry contacts was updated twice last year for the APS business office. Participation in the exhibit hall increased in 1990, including booths for purely scientific exchange.

Speakers for a fungicide resistance session at Grand Rapids cancelled during early 1990 to attend a related meeting in Germany. The committee assisted the Chemical Control Committee in organizing a replacement session on impacts of EBDC registration losses, a topic suggested by George Agrios. About 14% of registrants, or 258 people, attended the EBDC session.

The international Fungicide Resistance Action Committee (FRAC) offers a superb videotape, "The Paradox of Resistance." It is now available on loan from the committee through Bryan Delp.

The Industry News page in *Plant Disease* has been only moderately active. Plans and people were organized at Grand Rapids to improve usage in 1990–1991. G. Watson, V. Morton, and R. Williams published a Letter in the June 1990 *Plant Disease* to preserve industry viewpoints from the 1989 session in Richmond on standardization of disease reporting. The chemical industry has adopted similar electronic reporting and sorting systems, which implies standardization by the researcher or best-guess conversion later on.

APS Council will again consider APS participation in a Registry of Agricultural Professionals (REAP). The committee did not reach a clear consensus due to uncertainties regarding the real utility of REAP, what group within APS would control standards, and APS liability.

Avoidable program conflicts for industry at the 1988–1990 national APS meetings have been severe. Some of the issues were speaker conflicts, funds to attend the meetings, and financial loss from the 1990 Industry-Extension Social (plus a near miss in 1988). The committee formally requested at Grand Rapids that committee chairmen be given some advisory role in the scheduling process. I compliment O. W. Barnett for his immediate positive attitude and ideas, as it complicates his already complex task.

The New Products and Services Session at Grand Rapids was attended by 228 people or 12% of registrants. Attendance at the Industry-Extension Social was down a third (to 200) due to a difficult meeting location and serious schedule conflicts. The committee tries to keep the cost of the social down with crucial donations from industry and by cutting expenses. Committee members shepherd requests sent to their employers, due to

extremely tight budgets and escalating solicitations. The expenses of hosting anything at a convention site are usually hideous, fueled by far less frugal groups than APS. Grand Rapids was particularly troublesome, being a small town with few suitable sites, few vendors, and some interesting beverage ordinances.

The committee adopted a leadership of three officers to spread the workload, in addition to an existing subcommittee system. The chairman was freed to better respond and coordinate, responsibility for the social was transferred down to the vice-chairman, and the New Products Session was moved to a newly adopted secretary position.

Overall impressions of the Grand Rapids experience include quiet but strong industry interest and activity in biocontrol. Concern continues that biologicals have historical and current difficulty in meeting human health and environmental safety standards for pesticides. The acrimonious session on registration of biocontrol agents clearly showed that researchers outside industry are largely unaware of the legitimate hurdles, which remain despite relaxed EPA standards for bioagents. Another perspective from the past few meetings is the relative shortage of courses and graduating students suitable for industry. This comes at a time when shortages of funding and employment opportunities are of particular concern to APS.

Officers for 1990–1991 are Chairman Don Guy, Vice-Chairman Danny Gigax, and Secretary Mike Moss.—*Rod Vargo*

**New Fungicide and Nematicide Data Committee.** The committee meeting was called to order and new members and visitors were recognized. The minutes of last year's meeting were not available and will be mailed to members after the meeting.

Stephen Johnston presented the editor's report. Volume 45 of "F&N Tests" was shipped in camera-ready format to Clover Printing on April 4 and was distributed in early May. Volume 45 contained 326 reports comprising 341 pages. All reports were submitted in camera-ready form, and this procedure is working smoothly. Few problems were reported concerning the \$10 per report charge assessed authors for this issue. Several companies discontinued listings in the "Materials Available For Trial" section, possibly due to the price increase from \$50 to \$100 per half page.

Gerrard Berggren presented the business manager's report. A total of 729 copies of "F&N Tests" were sold between July 1, 1989, and June 30, 1990. The cost to produce Volume 45 was \$15,341.36. Sales during this period generated \$8,942.05. Additional income generated by advertising, report charges, and interest accounted for a total income of \$13,421.47. The deficit of \$1,919.89 was covered by cash reserves of \$2,656.56. This leaves "F&N Tests" with a cash reserve of \$736.67.

In response to the business managers report, several options were discussed. Sales are down and members of the committee were encouraged to promote the publication through colleagues, commodity organizations, etc. The committee is still losing money and, therefore, approved the following items: 1) an increase in the author's per article charge from \$10 to \$15, 2) increase the per volume price to \$17.50, and 3) increase postage and handling charges to \$2.50. Price of postage on foreign orders will be \$3.00 for surface mail; \$17.50 for air mail in the Far East, Middle East, and South Africa; and \$12.50 for air mail in Europe, South America, Central America, Egypt, Caribbean Islands and Australia.

The committee again discussed the idea of APS Press assuming publication responsibilities for "F&N Tests." Although our costs and therefore prices have continued to increase, the committee felt that costs would be substantially higher with APS Press. Since our objective is to produce a quality publication at minimal cost, the committee decided that this could best be obtained by the current publication procedures.

Officers for 1991 are Tim Brenneman, chairman, and Richard Raid, vice-chairman.—*T. B. Brenneman*

**Private Practice Committee.** The meeting was called to order by John Cross on August 4. The minutes were approved by the

following members: J. Cross, R. Littrell, L. J. Stowell, H. C. Mellinger, C. W. Averre, and A. W. Engelhard. Eight visitors also participated in the meeting.

Discussion focused around the need for establishment of a registry of plant pathologists. A proposed national Registry of Environmental and Agricultural Professionals (REAP) is in the advanced stage of development, but membership will require that the individual belong to a professional society registry prior to joining. A registry of plant pathologists was proposed and rejected by APS Council a decade ago as a result of concern for excessive liability to APS. Since that time, several other professional societies have successfully developed registries and have addressed liability and other critical issues. The experience gained by other professional societies will assist Council in reevaluating risks and benefits to APS and its members. A proposal to investigate and report on the feasibility, economic impact, and liability of a registry of plant pathologists sponsored by APS was presented to Council by Mellinger. Council moved to review the completed report and to consider the establishment of a registry of plant pathologists and the association of the registry with REAP. Mellinger and Stowell agreed to prepare the report for review by Council prior to their midyear meeting.

Officers for 1990–1991 are: Chairman Larry J. Stowell and Vice-Chairman Charles Mellinger.—*L. J. Stowell*

**Program Committee.** Committee members were concerned about the number of concurrent oral sessions, large numbers of abstracts offered, and the difficulty of reducing overlapping sessions on related subjects. Several chairmen favored more poster sessions with more time devoted to the posters so that they become a focal point of certain time slots of the program.

A questionnaire was distributed to registrants to find out if the new program format (beginning the meeting on Saturday instead of Sunday) should be continued. Most respondents favored the new format (143 for Saturday, 31 for Sunday). About an equal number favored having the plenary session on Sunday with a half-day on Wednesday or the plenary session on Monday with committees and scientific sessions on Sunday and a full day on Wednesday. Equal numbers of respondents were in favor of and against restricting oral papers in favor of more posters.

The Program Coordinating Committee selected three of the 13 topics offered as symposia at the 1991 meeting in St. Louis: "Arabidopsis as a Model System for Studying Plant Pathogen Interactions," sponsored by the Biochemistry, Physiology and Molecular Biology Committee; "Global Climate Change and Plant Health," sponsored by the Environmental Quality and Plant Health Committee; and "Food and the Environment: IPM Meets the 21st Century," sponsored by the Integrated Pest Management Committee.

The theme for the 1991 meeting is "Gateway to the Future." The committees are planning many diverse special sessions to make the 1991 program outstanding. Plan on attending.—*O. W. Barnett*

**Public Relations Committee.** Members present at the meeting were Phil Colbaugh, Jerry Walker, C. Lee Campbell, Gary Bergstrom, Albert Paulus, Paul Pecknold, Molly Cline, and Mel Lacy. Jim Partridge and Carla Edwards also attended the meeting.

The committee sponsored a discussion entitled "Our Public Image: How Do We Improve It?" at the annual meeting in Grand Rapids. The session was well attended with excellent audience participation.

Four topics were discussed during the committee meeting:

Colbaugh gave a report of the public relations efforts of related professional societies. Most are involved in science fair and FFA exhibits, awards, and making professional videos. Some have a professional public relations staff at their society headquarters. A common theme among public relations committee members within agricultural societies was the lack of time to get public relations efforts implemented and the lack of funding and promotional experience.

Public relations activities planned during the upcoming year

will include the selection of abstracts for press release information during the St. Louis meetings. Abstracts of presentations at the Grand Rapids meetings were discussed. Student feedback from 236 abstracts submitted with approval for press release indicated 16 were suitable for rewriting for the popular press. Only three of the abstracts were selected by the majority of students surveyed.

Annual APS prizes were awarded at the 41st International Science and Engineering Fair held during May in Tulsa, OK. Ken Conway chaired the judging team and distributed checks for \$250, \$150, \$100, and \$100 to the four winners.

Committee members voted unanimously to request allocation funds to invite 25 outstanding St. Louis high school biology students and their teachers to tour exhibits and posters at the APS annual meeting.

Jerry Walker was elected chairman and Gary Bergstrom was elected vice-chairman for 1990–1991.—*Phil Colbaugh*

**Public Responsibility Committee.** The first issue discussed was public perception of the value of fungicides and other pest control chemicals. This issue is currently being addressed through APS Council action. The committee thought further pursuit by the committee was not necessary.

The second issue discussed was the request that the committee consider a code of ethics for the Society. The committee's thoughts ranged from no need for the obvious to the idea that it is time the Society had some formal expression of expectations of conduct by its members. Our final conclusion was that it is a credibility issue. The committee will provide a draft document of a code of ethics for APS by November for consideration and possible action.

The third issue discussed was the committee's support of the development of a national registry of plant pathologists. It is considered essential that these qualified members of our Society be so recognized if that is their desire. This will provide visibility to our profession and recognition of the unique expertise of members deserving such visibility. It will also assure that our profession will be recognized in the current developing organizational framework of the National Alliance of Independent Crop Consultants.

The fourth issue was the summarization of the latest biotechnology regulatory issues by Sue Tolin. The committee urges APS to appropriately communicate its response and that individual members do likewise.

The fifth issue was the deferment at the 1989 meeting of final comment on an article by Tiedje et al published in *Ecology* in reference to the introduction of genetically-modified organisms into the environment. This was deferred pending the publication of a similar article by NAS. The NAS publication is out and final comment and recommendations will be made this fall by the committee.

The sixth issue discussed was the committee's feeling that APS has reached the point where aggressive action is needed to give visibility to our profession and to position ourselves to have influence on public policy development at the national level. It was felt that past attempts to do so, consortium etc., have fallen short because of inadequate investment and commitment. The committee, therefore, proposes that one or more of the following actions be taken to begin to rectify this situation:

A. Congressional Fellow—This is being done by several of our sister societies and places a member in Congress at the working level. It is bold and expensive and requires a long-term commitment in our view (cost: approximately \$50,000/year, \$11 per member).

B. National Board of Plant Pathology—10 to 15 Leading plant pathologists to project the profession nationally through involvement in and comment on critical issues.

C. Communication—Better communication between the APS Council and members active in national issues that could influence public policy.

D. Modest Public Affairs Board—A Modest Public Affairs Board modeled after ASM PSAB on a smaller scale (APS one-eighth the size of ASM).



Agenda items not discussed were: does APS do enough to make it possible for developing country scientists to participate (despite lack of resources to pay standard membership fees) and the ownership and marketing of intellectual property.—*Merritt Nelson*

**Regulatory Work and Foreign Plant Disease Committee.** Committee attendees included 12 members and 11 nonmembers.

The committee approved a request that the name of the committee be changed to "Regulatory Plant Pathology Committee." The chairman was directed to raise the issue with APS Council; Council suggested that a formal request be made to the councilor-at-large (completed). In addition, the chairman is requested to pursue appropriate revision of our mission statement in line with current activities and responsibilities. New members representing industry and state regulatory agencies have been added to the committee.

A symposium, "Impact of Free Trade Agreement with Canada and Development of European Common Market on Movement and Regulation of Plant Pathogens," was held in Grand Rapids. Manuscripts are in hand and we plan to publish the symposium. For 1991, a poster display on regulations and permits as they pertain to plant pathologists is planned. J. Anderson and Krass will serve as cochairmen. We agreed to join the Plant Disease Detection Committee as cosponsor of a session on disease detection as it relates to regulatory work for the 1992 program.

There is still considerable interest in regulation as it pertains to the development of biotechnology and movement of plant pathogens. S. Tolin provided an update on the subject, indicating there may be some lessening of restrictions on recombinant organisms as various levels of the government would like to "push" biotechnology.

The committee and other APS members were asked for their input on an Office of Science and Technology Programs scope published in the July 31 *Federal Register*, which proposes to exempt many categories of organisms from regulation. Greatest impact will come from responses from individuals. We should also watch the Omnibus Biotechnology Bill (Roe - N.J.), which represents a distinct change in philosophy at the federal level to process-based risk analysis.

E. Imai gave an update on the status of Quarantine 37. He indicated that the update was being done in two phases. The first was an update of the regulations. The second, which is quite controversial, was an update of the plant import/export list. C. Krass raised the issue of limiting quantities of plants that could be brought in under post-entry quarantine. APHIS has a legal opinion that they cannot limit quantities. This is an issue for the National Plant Board.

S. Spencer asked if we were aware of the EPPO standards for virus testing, as U.S. ornamental exports may be limited if we do not test to EPPO standards. M. Royer will contact EPPO and inquire about the standards.

L. DuFresne, liaison with APHIS, discussed the submission of quarterly reports from APHIS relating to regulatory policy. The committee decided to change the reports to a "monthly highlights" format suitable for publication in *Phytopathology News*. This would make the information available to all members and would allow a more timely response when appropriate. The committee requested that J. Anderson provide EPA highlights. A. Foudin will make contact with FDA and FSIS. Dowler and DuFresne will work out the details of submission to *Phytopathology News* with the editor.

The committee voted to retain W. Dowler as chairman for a second term, with C. Krass continuing as vice-chairman.—*W. M. Dowler*

**Teaching Committee.** The committee met on August 5. The meeting was chaired by Gail Schumann. A teaching slide set suggested by the committee on lower fungi was completed and published with APS Press. A survey on teaching of introductory or general plant pathology was completed, and a report will be developed by Mary Powelson, Schumann, Eileen Sutker, and

Thomas Wyllie.

The disease recognition contest continues to grow in popularity and will continue under joint sponsorship of the Teaching and Diagnosticians committees. A poster session was sponsored by the committee. The committee also cosponsored a computer software demonstration with the Plant Disease Losses Committee. This teach-in was very well attended on the last afternoon of the annual meeting.

Plans for next year include continuation of the teaching poster session and disease recognition contest. Paul Williams agreed to offer a Fast Plants Workshop in spring 1991 for plant pathology instructors. Attendees of the workshop will help Paul provide an additional workshop prior to the 1991 annual meeting in St. Louis.

There was considerable discussion at the meeting about ways to increase interest and visibility of plant pathology at the high school and undergraduate levels. Ed Braun will investigate the possibility of an APS booth at a National Science Teachers Association meeting. The committee will request a discussion session for the 1991 annual meeting that will include topics such as high schools internships with plant pathology faculty, outreach to high school teachers, science fair participation by plant pathologists, and undergraduate plant pathology majors.

Barbara Christ will be chairman in 1990-1991 with Cleora D'Arcy as vice-chairman and Eileen Sutker as vice-chairman-elect.—*Gail Schumann*

**Women in Plant Pathology Committee.** Chairman Jacquie Fletcher called the meeting to order. Deb Fravel reported that 10 pairs of women and 8 pairs of men were successfully matched up through this year's roommate matching service.

Linda Kinkel reported that funds from Monsanto (\$500), Ciba-Geigy (\$100), and Agri-Diagnostics (\$50) were provided to lower the costs for graduate students to attend this year's Women in Plant Pathology Social. More than twice as many social tickets were sold this year as in previous years, presumably as a result of the lowered ticket prices.

Fletcher summarized the discussion session, "How to Prepare a Manuscript," which was sponsored by the committee. The session included a handout, and the information on the handout will be included in a future *Phytopathology News* series.

Rosemary Loria presented the highlights from the Women's Speakers Bureau. The program was funded by the APS Foundation, based on a proposal from the women's committee. The objectives of the program included increasing interactions between graduate students and female scientists. Twelve proposals were submitted and four departments received funding to bring in speakers (Minnesota, Clemson, Kentucky, and Ohio State). Positive feedback on the program was received from all corners! The committee solicited and received funding to continue the program for another year.

Columns in *Phytopathology News* relating to women continue to be welcomed both by the committee and the editor. Marilyn Canfield and Loria have made recent contributions.

Problems in cost and availability of child care at the meetings were raised. The committee recognizes the need to monitor this more closely and to make a strong formal statement on the need for accessible and affordable child care at the meetings. A subcommittee on child care (Caitilyn Allen, Arla Bush, and Jenny Bardwell) will look into what other professional societies are doing in relation to children and meetings and will discuss arrangements with next year's meeting organizers.

The committee will cosponsor with the Placement Committee a discussion on "Career Options in Plant Pathology" at the 1991 meeting. Blanche Haning will coordinate funding from industry for next year's Women in Plant Pathology Social.

A discussion on the specific mission of our committee closed the meeting. Is there a need for a women's committee? What do our members hope to accomplish as part of this committee? This was left for thought and discussion at the social and through the coming year.—*Linda Kinkel*

**Youth Programs Committee.** The meeting of the committee was called to order by chairman G. Ruhl. Members in attendance included Ruhl, W. Wilson, J. Carroll, F. Bergstrom, M. Jeffers, D. Jardine, and B. Littrell. H. W. Kirby and S. Walker were unable to attend. E. Burns has requested to be removed from the committee. Visitors included P. Fasching-Burdette, N. Goldberg, F. Trail, P. Colbaugh, C. Ash, C. Edwards, and B. Haning. Four persons were nominated for committee membership. G. Ruhl read a paragraph pertaining to the "charge" of the committee and expressed her desire to see the committee address youth at all age levels.

Phil Colbaugh, immediate past chairman of the Public Relations Committee, shared ways in which his committee was involved with youth, including judging projects at the international science fair, coordinating an annual plant pathology exhibit at the FFA convention in Kansas City, MO, and production of a recruitment video. The committee discussed ways in which we could become involved in these youth-oriented activities, perhaps as judges or in refurbishing and updating the FFA exhibit. Ruhl volunteered to look into the future of the FFA plant pathology exhibit since Einar Palm will no longer be coordinating this project. Jardine will attend a symposium in Chevy Chase, MD, on Science and Technology in 4-H. Carroll, D. Karasevicz and Ruhl will prepare a poster for the 1991 APS poster session on 4-H plant pathology projects in the United States.

During the past year, Carroll wrote the monograph proposed by the committee at its 1989 meetings. Bergstrom contributed a chapter. The first draft of the monograph was reviewed and discussed by the committee members in Grand Rapids and will next be submitted to P. McWethy and the editors at the NABT. Special recognition was given to Carroll for her dedication to this project.

The committee will cosponsor with the Teaching Committees a discussion session entitled "Undergraduate Majors and Minors in Plant Pathology—An Endangered Species" at the 1991 meetings.

Jeffers and Ash will contact television networks and specific children's television programs like "3-2-1-Contact," "Reading Rainbow," "Sesame Street," and "Mister Rogers" with ideas for incorporating subjects pertaining to plant pathology and plant health into their programming. APS Council granted permission for the use of APS stationery for the purpose of contacting the television networks.

Trail and Haning volunteered to edit articles written by graduate students on plant pathological/agricultural themes for submission into various journals published for high school biology and life science teachers.

The committee meeting ended with a review of all the projects discussed, noting that as a committee our proposed projects would be increasing the awareness and understanding of plant pathology among youth from preschool through young adulthood.

Gail Ruhl is the chairman and D. Jardine is the vice-chairman for 1990–1991.—*Gail E. Ruhl*

### Subject Matter

**Bacteriology Committee.** At the 1990 meeting, the committee sponsored colloquia on "Environmental Regulation of Gene Expression in Phytopathogenic Bacteria," organized by A. Collmer and T. Denny and cosponsored with the Genetics and the Biochemistry, Physiology, and Molecular Biology committees and on "Plant Colonization by Bacteria," organized by J. Kloepper and M. Klopmeier. A teach-in on "Gene Transfer Technology in Plant Pathogens" was organized by J. Shaw.

A discussion was held on how to reduce the number of oral presentations at future meetings. Suggestions to be presented to APS Council were: 1) strict limitation of one oral presentation per person, 2) changing bacteriology sessions to poster sessions and using the time slots for special bacteriology sessions; 3) screening abstracts such that oral sessions could be limited to one or two per meeting and remaining abstracts would be presented as posters; and 4) limit student presentations by allowing only those close to completion of their degrees present oral papers.

Larry Moore, in his report from the ESCOP subcommittee, presented a motion that the committee support a policy to eliminate the necessity for permits from APHIS to transport certain endemic pathogens between states. The committee voted to support the policy.

Topics suggested for special sessions at the 1991 APS meeting were: current topics in microbiology of vegetables in modified atmospheric packaging: significance to postharvest losses and human health issues, avirulence and HRP genes: progress and problems, and can bacteria fill the chemical gap?

T. P. Denny will serve as chairman for 1990–1991, with S. Hirano as vice-chairman. A. Collmer was elected vice-chairman for 1991–1992.—*J. E. Leach*

**Biochemistry, Physiology, and Molecular Biology Committee.** The committee met on August 5 with eight members and 30 guests in attendance.

During the 1990 meeting the committee sponsored a colloquium on "Role of Light Activated Compounds and Free Radicals in Host-Parasite Interactions," a workshop on "Innovative Cytological Techniques Applicable to the Study of Host-Pathogen Interactions," and two discussion sessions, "Induced Systemic Resistance in Plants—Molecular and Applied Implications" and "Variability in *Colletotrichum* spp."

Sessions proposed for 1991 are "Arabidopsis as a Model System for Studying Plant-Pathogen Interactions," "Signal Transduction in Host-Pathogen Interactions," and "Fate of Genetically Engineered Organisms in the Environment—Biochemical Agents."

Terry Graham was elected vice-chairman designate for 1990–1991. Merilee Atkinson was elected chairman and Marty Dickman vice-chairman.—*C. Jacyn Baker*

**Biological Control Committee.** Chairman Harvey Spurr, Jr., convened the meeting, and Vice-Chairman Guy Knudsen prepared the minutes. Due to the overflow crowd, we had to reconvene in a larger room.

*Old Business.* Spurr announced the biocontrol-related programs taking place at the meeting.

The status of the biocontrol slide set was discussed. Joyce Loper and Larry Stowell are close to completing the project, but there was some concern about the price the Society will charge for it.

The biocontrol newsletter has an expanding mailing list, but no money for the next issue. However, we now have the Society's permission to solicit funds.

*New Business.* The committee agreed to cosponsor with the Chemical Control Committee a discussion on "Integration of Biological and Chemical Disease Control Strategies" in 1991.

A proposal by Ralph Baker to apply for a USDA challenge grant next year for development of biocontrol curricula was discussed. Committee members will help coordinate this effort, and the committee will request a biocontrol teach-in or workshop for the 1991 annual meeting.

R. Lumsden and R. Charudattan presented two new biocontrol journals that will begin publication soon.

Proposals by Charudattan and M. Schwartz for nomenclature systems for biocontrol agents were discussed. A subcommittee will be appointed and volunteers are solicited.

Seventeen new membership nominations were received. D. R. Fravel and L. Stowell were elected vice-chairmen for 1990–1991 and 1991–1992, respectively.—*Harvey W. Spurr*

**Chemical Control Committee.** The meeting was called to order by Chairman Paul Backman. Eleven members and 16 nonmembers were in attendance.

An update on the discussion sessions being sponsored by the committee was made. "The Mode of Action of Fungicides and Strategies of Managing Resistance" was withdrawn due to conflicts with a meeting in Europe, which several of the principle speakers were attending. The Program Committee suggested that a discussion of the situation with the EBDC fungicides would be timely. Earle Butterfield of this committee and R. Vargo of



the Industry Committee organized a session entitled "Impacts of the Loss of Registrations of the EBDC Fungicides."

There was still a strong interest in sponsoring a session on fungicide mode of action and resistance management for the 1991 meeting in cooperation with the Diseases of Ornamental Plants and Turfgrasses Committee. Butterfield will chair this discussion. The committee also elected to cosponsor a discussion with the Biological Control Committee on "The Integration of Chemical and Biological Control." This session will be organized by Paul Backman and Madan Joshi.

The committee plans to cosponsor with the Nematology Committee a discussion session on the "Non-target Effects of Soil-Applied Pesticides" at the 1992 meeting.

The committee had a follow-up discussion concerning the 1989 discussion session and article in *Plant Disease* about the need for standardization of disease assessments and the impacts that may come if standard methods are not adopted. Although there was much spirited discussion and, finally, general agreement on the need for standard methods, no plan of action was proposed.

Officers for 1990–1991 are Earle Butterfield, chairman; Bryan Delp, vice-chairman; Paul Backman, past chairman; and Al Culbreath, secretary—*Earle J. Butterfield*

**Diagnostics Committee.** Forty-two persons, including 13 committee members, met in 1990. Plans discussed for 1991 included sponsorship of a discussion session, "Interpretation of Immunoassay Test Kit Results," to be organized by Bill Shane and Jackie Mullen, and "The Rapid Diagnostic Assay Workshop," to be organized by Sally Miller. The committee will continue to cosponsor the disease recognition contest with the Teaching Committee. Mary Francis Heimann and Brian Eshenaur volunteered to help organize the contest. The committee will also cosponsor an ornamentals tour in St. Louis. The committee is seeking to cosponsor a symposium on tomato spotted wilt virus that will feature a presentation on diagnosis.

Interest in a visit to Monsanto to learn about transgenic plant research was expressed, and this possibility is being investigated by Chet Sutula. Ethel Dutky will check into the possibility of a turf disease workshop at the University of Maryland in the summer of 1991. A workshop on xylem-limited bacteria, to be held after 1991, is being developed by Bal Rao, Nancy Pataky, and Jim Sherald.

Rob Wick reported on the *Rhizoctonia* workshop that was held at Michigan State University just prior to the APS meeting. Don Carling and Don Sumner provided instruction to 22 individuals. Sally Miller reported that 60 persons registered and 40 others sought admission to the Rapid Diagnostic Assay Workshop.

Melodie Putnam and Gail Ruhl discussed the production of *Plant Diagnosticians Quarterly* (PDQ). They expressed a desire to move to a desktop publishing system and explained that a financial cushion must be maintained in the budget to accommodate fluctuation in mailing costs. Regional correspondents were solicited for PDQ. Volunteers were Jackie Mullen (southeast), Karen Rane (midwest), Colette Beaupré (north central), Steve Koike (southwest), and Anne Sindermann (northeast).

Chuck Semer reported for the Diagnostic Manual Subcommittee that 12 sheets are now completed and available for review. Diagnosticians will be surveyed this fall in order to develop a prioritized list of 100–150 topics for diagnostic sheets.

Seong Hwan Kim will serve as chairman for 1990–1991 and Chuck Semer was elected to serve as vice-chairman.—*Margery Daughtrey*

**Diseases of Ornamental Plants and Turfgrasses Committee.** The committee met on August 5. Ten members and 24 nonmembers were present. Activities and subject matter were considered for presentation at the St. Louis meeting in 1991. The committee voted to cosponsor a symposium entitled "Tomato Spotted Wilt" with the Virology and Diagnostics committees. Margery Daughtrey and Jim Matteoni agreed to organize this session.

The committee also agreed to cosponsor a discussion session dealing with the "Mode of Action and Strategies for Fungicide Resistance" with the Chemical Control Committee and a discussion session entitled "Interpretation of Immunoassay Test Kit Results" with the Diagnostics Committee. A preconference nursery and arboretum tour will also be conducted prior to the 1991 annual meeting. Mike Klopmeier and Bruce Clarke volunteered to organize the event.

Nominations were accepted to fill the six positions to be vacated in 1991. Rob Wick and Ron Jones will serve as chairman and vice-chairman, respectively, in 1990–1991. Lee Burpee was elected vice-chairman for 1991–1992.—*B. B. Clarke*

**Environmental Quality and Plant Health Committee.** The committee met Sunday, August 5. Present were committee members Bruce Clarke, Michael Simini, Steven Shafer (vice-chairman), and Arthur Chappelka (chairman), and guests Paul Vincelli, Paul Lewis, Robert Bruck, Victoria Smith, and Rick Voland.

Members noted that even though noninfectious diseases usually represent the majority of samples submitted to plant disease clinics, so few papers on these problems were presented at this year's meeting that a full session was not warranted. Furthermore, papers on noninfectious diseases are extremely rare in *Phytopathology*. Committee members will interact in the next year to work toward increased visibility of these topics and the committee in the coming year. Toward this effort, the committee decided on the following activities to submit to the Program Committee for future meetings: a symposium to be cosponsored with the Forest Pathology Committee in 1991 on global climate change and plant health; a colloquium cosponsored with the Integrated Pest Management Committee in 1991 on the influence of conservation tillage on plant diseases, a colloquium cosponsored with another committee (to be selected) on fates of pesticides in the environment in 1992, and a teach-in on noninfectious diseases in 1991. A poster exhibit of topics and activities relevant to the committee will be developed for display at future APS meetings.

Four nominees for the committee were selected, and Michael Simini was elected vice-chairman for 1990–1991. Steven Shafer assumed the duties of chairman at the conclusion of the meeting.—*S. R. Shafer*

**Epidemiology Committee.** The committee meeting was attended by 10 members and 21 nonmembers. The meeting was chaired by Immediate Past Chairman Chris Mundt because Wolfgang Schuh was not able to attend. Upcoming meetings were announced and suggestions for future members of the committee were solicited.

Sessions at the 1990 annual meeting were colloquia entitled "Variability in Plant Pathogen Systems: Is There Music in the Noise?," organized by Jack Bruhn, and "Innovative Approaches to Plant Disease Epidemiology: Graduate Student Contributions," organized by Mundt; three contributed paper sessions; and one poster session.

The committee agreed to cosponsor with the Genetics Committee a symposium on the durability of disease resistance at the 1991 meeting. Topics being considered beyond 1991 include farm-scale application of plant disease epidemiology and application of ecological theory to plant disease epidemiology.

Gregory Shaner and John Yuen are the 1990 chairman and vice-chairman, respectively. Ken Johnson was chosen as vice-chairman-elect.—*Gregory Shaner*

**Exobiology and Space Phytopathology Committee.** During the reporting period, three committee members had cooperative work with NASA. Two received funds for space biology research. Contacts were made with Kennedy and Marshall Space Flight Centers. One paper on space agriculture was published. Literature reviews were made, and these will serve as a basis for accumulating facts for committee and APS members. This is one method that advances in space biology can be passed on as the committee membership changes over time. Another educational tool, the



large poster and space hardware display at the Richmond meeting, continues to provide positive feedback to the committee.—*Charles Walkinshaw*

**Forest Pathology Committee.** The committee sponsored a 2-day premeeting field trip to view aspen diseases and diseases of conifers in Christmas tree plantations, under the leadership of J. Hart and G. Adams. Despite torrential rains and knee-deep gumbo, the trip was informative, the participants and trip leaders stalwart, and none were washed away.

The committee meeting was called to order by Chairman D. Appel and it was once again lively and well attended. Attending were Vice-Chairman P. Hessburg, Vice-Chairman-Elect J. Cummings-Carlson, and members F. McCracken, J. Bruhn, F. Jewell, P. Bedker, W. Kelley, W. Sinclair, and R. Smith. Fifty-two visitors were also in attendance. Nominated and recommended for the 1991–1992 committee were C. Walkinshaw, S. Cohen, R. Dorset, R. Webb, G. Blakeslee, and M. Palmer. J. Castello was elected vice-chairman for 1991–1992.

For the 1990 program the committee jointly sponsored with CPS a symposium on “Forest Decline Concepts” and a discussion session entitled “Perspectives on Forest Pathology Education in North America.” Two oral sessions and a poster session were also sponsored.

The committee proposes to sponsor at the 1991 meeting a discussion session entitled “Pathogen Influences on Forest Succession” to be organized by J. Castello and T. Shaw, and will cosponsor a symposium on “Global Climate Change and Plant Health” with the Environmental Quality and Plant Health Committee. The committee was invited and accepted an invitation to cosponsor a symposium at the 1992 joint meeting of APS and the Mycological Society of America in Portland on “The Ecology and Taxonomy of *Armillaria* species.”

The long-awaited report of the National Research Council Committee on Forestry Research, “Forestry Research: A Mandate for Change,” was discussed. C. Gabriel, study director of the committee, introduced himself and provided copies of the final report. The report identified several broad research areas in most critical need of strengthening, including the biology of forest organisms and ecosystem function and management. The report emphatically stated that forestry research must broaden its scope with new interdisciplinary approaches, new alliances and leadership, and new support networks for teaching and research. Among its recommendations were the establishment of a National Forestry Research Council to provide a forum for deliberations on forestry research and policy and vastly expanded funding to USDA competitive grants, federal forestry research and McIntire-Stennis over the next 5 years.

J. Juzwik reported on the progress and recommendations of the strategy team of the task force on the future of forest pathology. Based upon those recommendations the committee enlisted the help of Bruhn, Cummings-Carlson, and Castello to conduct a survey of accredited forestry institutions as to past, present, and future course offerings in forest pathology and other forest biologies. They will report their findings to the 1991 committee in St. Louis.—*P. F. Hessburg*

**Integrated Pest Management Committee.** The committee convened on August 5 with 12 members and 10 guests attending. Presiding was K. M. El-Zik. Minutes of the 1989 meeting were read and approved.

The committee sponsored a colloquium entitled “Plant Disease Management: Challenges and Public Understanding of Urban IPM,” organized by a subcommittee chaired by Bruce Martin. The colloquium was attended by more than 120 people.

Barry Jacobsen, representing APS, summarized a report on a meeting convened by the Institute of Food Technology Office of Scientific Public Affairs in Washington, DC, February 26 and 27, 1990. The report, entitled “Achieving the full potential of integrated pest management,” resulted from a meeting of representatives of 32 professional scientific societies. The meeting and report focused on concerns in agricultural production,

benefits, impact and demonstrated successes of IPM, and recommendations for the future. Thirty societies endorsed the report. Jacobsen was scheduled to present the report to APS Council and to recommend that Council endorse the report. A copy of the report is available from the committee chairman and Council.

The committee discussed activities and topics for the 1991 annual meeting and voted to sponsor a symposium entitled “Food and Environment: IPM Meets the 21st Century.” A subcommittee consisting of Chairman D. Cooley, C. Johnson, M. McMullen, D. Huber, and K. M. El-Zik was appointed to organize the symposium. The Extension and Plant Disease Losses committees will cosponsor the symposium.

A discussion on pursuing public relations efforts in integrated pest management ensued. It was proposed and accepted that the committee produce a promotional brochure documenting integrated pest management success in plant pathology.

A list of five willing prospective members has been submitted to Council. The 1990–1991 committee officers will be Chairman Daniel Cooley and Vice-Chairman Chuck Johnson. Marcia McMullen was elected vice-chairman for 1991–1992.—*Kamal M. El-Zik*

**Mycology Committee.** The committee convened on August 5 with 12 members and 10 visitors attending. E. L. Stewart was presiding. K. Elias, D. Jacobson, and B. Nelson were nominated and recommended as new members.

For the 1990 program the committee sponsored a discussion session organized by C. Liddell on “Recent Advances in *Fusarium* Systematics.”

The committee proposes to sponsor at the 1991 meeting a discussion session on “Systematics, Ecology, and Evolution of Endophytic on Grasses and Woody Plants,” to be organized by S. Redlin and L. Carris. The committee will also cosponsor a proposed discussion on the “Use of Biotechnology in the Characterization of Fungi” with the Mycorrhizae Committee.

The committee proposed with the Genetics Committee a joint symposium, “Biology and Genetics of *Magnaporthe/Pyricularia*” and a session (symposium or discussion session) to be coorganized by T. Harrington, D. Carling and L. Grand on *Armillaria*, to be cosponsored with the Forest Pathology Committee and the Phytopathology Committee of the Mycological Society of America in 1992.

C. Liddell has arranged publication of the 1990 discussion session on “Recent Advances in *Fusarium* Systematics” through the *Phytopathology* proceedings series.

S. Fricke-Meyer reported on the progress of a letter being prepared for mycologists and plant pathologists regarding the deposition of voucher specimens in recognized repositories. It was noted that the scientific value of a research article is compromised by the lack of a voucher specimen. The committee voted to restrict our concern for vouchers to mycological specimens of taxonomic importance.—*E. L. Stewart*

**Mycorrhizae Committee.** The committee met with the following in attendance: Chairman R. N. Ames, J. H. Graham, F. Pflieger, S. Neck, S. C. Rabatin, R. G. Linderman, S. Jensen, S. Piplani, M. Banford, J. MacFall, and A. Brooks-Gould.

The discussion entitled “Root Colonization by Introduced Bacteria and Fungi: Current Challenges,” which the committee cosponsored with the Soil Microbiology and Root Disease and Biocontrol committees, was well attended.

Several additional discussion sessions will be sponsored or cosponsored by the committee at the 1991–1993 annual meetings. The upcoming discussions will emphasize biotechnology, biocontrol and microbial interactions, and communication, which will incorporate information on mycorrhizal fungi. Proposed for 1991 is “Use of Biotechnology in Characterization of Fungi,” which will be cosponsored with the Mycology Committee and organized by Pat Millner and Pflieger. The Soil Microbiology and Root Disease Committee has invited the committee to cosponsor a discussion on “Sustainable Agriculture.”

Proposed in 1992 is a discussion on "Compatibility of Mycorrhizal Fungi with Microbial Pesticides" with Bob Linderman as the organizer. It is hoped that the Biocontrol and Soil Microbiology and Root Disease committees will consent to cosponsorship. Proposed by the Soil Microbiology Committee with us as a cosponsor is a discussion on "Soil Biotic and Abiotic Effects on Root Growth. Another discussion, requested by the Nematology Committee for 1992 and which we are seeking cosponsorship, is a discussion on "Non-Target Affects of Soil Applied Fungicides and Nematicides."

Still on the back burner for 1993 is a discussion, "Ecology and Communication Signals To and Between Soil Microbes," to be cosponsored by Soil Microbiology and hopefully the Mycorrhizae Committee.

In an effort to increase our visibility within the Society, the committee will present a poster at the 1991 meeting. The poster will display photos with captions that indicate the diversity and integration of mycorrhizae research into plant pathology. Persons who wish to submit material should contact Janet MacFall as soon as possible. The theme for the poster will be "Mycorrhizae in Plant Pathology." Submitted 8 × 10 photos must be consistent with this theme. Bob Ames will be writing a companion article to be submitted to *Phytopathology News*. APS members working in this area should send Ames a brief description of their research to be incorporated into the article.

Several new people attended the committee meeting this year. We welcome them and encourage them, as well as others interested in all aspects of mycorrhizae research, to contribute to committee activities. The committee has requested an expansion to 14 official members.

Bob Ames is the new chairman and will serve for 2 years. Jim Graham is the immediate past chairman and Frank Pflieger is the newly elected vice-chairman. Pflieger will be the chairperson in 2 years. The committee wishes to thank Jim Graham for his leadership over last 2 years, and our appreciation is extended to past committee members.—*Robert N. Ames*

**Nematology Committee.** The committee met on August 5 with six members and six visitors in attendance. J. Kotcon discussed the colloquium, "Biological Control of Nematodes," which was to meet on Tuesday morning, August 7.

Several program activities were proposed for future meeting. It was agreed to change the workshop, "New Approaches in Nematode Diagnostics," to a colloquium for the 1991 meeting. Committee members discussed the possibility of a symposium on non-target effects of soil applied pesticides for 1992. L. Francl agreed to coordinate the symposium.

Members discussed the joint APS/Society of Nematologists (SON) meeting in 1993. A subcommittee was formed to coordinate activities between the two organizations. Members agreed to update the APS nematology slide set. J. Halbrendt will contact the SON Education Committee chairman to ensure that the subject matter of our slide set will not overlap that of the SON's slide set.

John Mueller was elected vice-chairman and Charlie Opperman was elevated to chairman with G. W. Lawrence as immediate past chairman.—*G. W. Lawrence*

**Plant Disease Detection Committee.** The committee meeting was chaired by William O. McCartney and attended by five members and 13 visitors. Four visitors volunteered to be new member nominees (1991–1992) to the committee.

The committee discussed its plans for the 1991 APS meeting in St. Louis. A proposed symposium entitled "Factors and Methodology in Surveying Plant Diseases" was considered, with emphasis on statistical input from an outside speaker, to be organized by M. McGrath.

Edwin Imai volunteered to begin organizing ideas for the 1992 APS meetings in Portland, OR, jointly with the Regulatory Work and Foreign Plant Diseases Committee.

M. McGrath was selected as chairman for 1990–1992. Edwin Imai will serve as vice-chairman. William O. McCartney will be

junior past chairman. A 2-year rotation of the chair was approved by the committee.—*William O. McCartney*

**Plant Disease Losses Committee.** The committee met on August 5 with 10 members and 12 visitors attending. Presiding Chairman Kira Bowen reminded the committee of its 1990 sponsorship of a teach-in entitled "Demonstration of Computer Software Related to Plant Pathology."

Forrest Nutter provided the committee with an update on compilation of terms and definitions used in disease measurement and yield loss assessment. A final draft of the compilation was given to members for comment before publication.

Two topics were proposed for the 1991 program: a discussion session entitled "Use of Crop Losses as a Measure of Agricultural Sustainability" and a teach-in entitled "Field- and Plot-Level Methods of Disease Severity Measurement." The former, to be organized by Charles Johnson and Paul Teng, was also presented to the Integrated Pest Management Committee for possible cosponsorship. The teach-in would be organized by Ken Johnson, Brian Steffenson, and Nutter and cosponsored with the Epidemiology Committee. Bowen proposed that the teach-in be followed with a discussion session on standardization of severity measurements in 1992.

Teng and Nutter reported on a new initiative, which involves USDA-CSRS and international plant research centers, to develop an international crop loss database.

Ken Johnson and Brian Steffenson will serve as chairman and vice-chairman for 1990–1991. Election of a chair for 1992–1993 was delayed to next year. Five nominations for new members were received.—*K. B. Johnson*

**Postharvest Pathology and Mycotoxicology Committee.** The committee met on August 5 with 10 members and 13 nonmembers present.

Implementation of an electronic mail/computer conference network was discussed so as to generate more frequent communication. The possibility of a newsletter was discussed in an attempt to give postharvest pathology and mycotoxicology more visibility. A symposium on molecular/biological aspects of fruit ripening was proposed for the 1991 meetings. The proposal for the symposium was submitted to APS Council.

The composition of the committee and the slate of officers were reviewed. Wojciech Janisiewicz was elected vice-chairman. Officers for 1990–1991 are: Benny Bruton, chairman; Wojciech Janisiewicz, vice-chairman; and John Wells, past chairman. Nominations for committee appointment were taken and submitted to Cleora D'Arcy.—*B. D. Bruton*

**Seed Pathology Committee.** Chairman Norm Schaad called the meeting to order on August 5 and introduced Immediate Past Chairman Hassan Balkan and Vice-Chairman/Vice-Chairman-Elect Betsy Randall-Schadel. Minutes of the 1989 meeting in Richmond were read by Mike Meadow and approved.

Schaad turned the meeting over to Bolkan, since Schaad had presided in Bolkan's absence at the 1989 meeting. The committee approved a motion for the vice-chairman-elect to record the minutes of the meeting.

Committee-sponsored events at the 1990 meeting were noted and committee support was encouraged. Randall-Schadel presented topics for a symposium and for discussion sessions at the 1991 meeting and led the resulting discussion. The committee confirmed its support for the "Legal Aspects of Plant Pathology" symposium proposed in 1989 for the 1991 meeting. This symposium topic is to be cosponsored by the Biotechnology Regulation Impact Assessment Committee and support will be sought from the Extension and Genetics committees. Jon Hubbard is the coordinator. Two discussion session topics were approved: "Seed Production Practices to Control Seedborne Pathogens" (contacts are Randall-Schadel and Denis McGee) and "Application of Innovative and Biotechnological Methods for Development of Disease Resistance" (contact is Schaad).

Bolkan presented the APS request for committees to provide



posters on their activities at the 1991 meeting. The committee approved the idea. Bolkan will coordinate the activity and will be assisted by Darryl Maddox and Phyllis Higley.

Randall-Schadel asked for committee input on a request from the Seed Pathology Subcommittee of the Association of Official Seed Analysts to this committee's members for information on the "Top Ten" seedborne and seed-transmitted pathogens in North America. The consensus of attendees was to revise the request to a list of significant pathogens by region. The request prompted discussion on reference materials. The committee voted to pursue the idea of a seed assay protocols reference. Bolkan agreed to coordinate the project.

McGee presented information about the development of a program at Iowa State for regional seed health testing. McGee informed attendees about the W168 Seed Quality Regional Committee, which has been meeting for about 6 years and is meeting in Ames, IA, in 1990. McGee asked for interest among attendees.

Officers for 1990–1991 are Chairman Betsy Randall-Schadel (due to the resignation of Fred Saettler), Vice-Chairman Phyllis Higley (who will coordinate event planning), and Vice-Chairman-Elect Larry Butler.

Chairman Schaad adjourned the meeting after accepting nominees for committee membership.—*Betsy Randall-Schadel*

**Soil Microbiology and Root Disease Committee.** The committee met on August 5 with 12 members and 22 nonmembers present.

A subcommittee consisting of Larry L. Singleton, Jeanne D. Mihail, and Charles M. Rush reported on the progress of the book, "Methods for Research with Soilborne Phytopathogenic Fungi," to be published by APS Press. Submission of the book is planned for mid-November for publication in the spring of 1991.

Future programs were discussed and proposed. The proposal for 1991 is a discussion session, "Impact of Soilborne Microbes on Sustainable Agriculture," organized by William W. Bockus and cosponsored with the Integrated Pest Management and Mycorrhizae committees. The proposal for 1992 is a symposium, "Biotic and Abiotic Factors Affecting Root Growth and Function in Soil," organized by Jean Beagle-Ristaino and cosponsored with the Epidemiology and Mycorrhizae committees. The proposal for 1993 is a discussion session, "small TALK?: Signals and Sensing in the Ecology of Soilborne Pathogens," organized by Alex B. Filonow.

Donald M. Ferrin, Charles M. Rush, and Randy Ploetz will serve as chairman, vice-chairman, and vice-chairman-elect, respectively, for 1990–1991.—*Donald M. Ferrin*

**Tropical Plant Pathology Committee.** The committee met on August 5 with 11 members and 18 nonmembers present. Chairman Pete Timmer called the meeting to order and read the minutes of last year's meeting.

The colloquium on sustainable agriculture, to be held at this meeting, was discussed. Jose Amador announced that the 1991 Caribbean Division meeting will be held in San Jose, Costa Rica, May 20–25.

Ideas on future symposia and discussion sessions for the St. Louis and Portland meetings were discussed. It was decided to request a discussion session on cultural practices for management of soilborne diseases in the tropics for the St. Louis meeting. The topic would be addressed from a crop approach, including an annual crop, a tropical fruit, a root crop, and a crop from the arid tropics to illustrate different management techniques, such as organic amendments, solarization, seed bed preparation, etc.

A symposium dealing with the sanitary quality of propagating material as a control measure for diseases of tropical crops will be requested for the Portland meeting. Topics will include elimination of pathogens from vegetative material and seed, germ plasm exchange, innovative techniques for pathogen detection, and regulatory measures.

The display on black sigatoka disease of banana set up in

the Office of International Programs (OIP) booth was discussed. It was decided to develop a display on rice blast for the OIP booth at the St. Louis meeting.

Ethyl Dutky discussed the mechanism for development of slide sets on tropical diseases for APS. The status of compendia on tropical diseases and means to encourage development of other compendia were presented.

Bob Fulton, who was elected chairman for 1990–1991, has declined. George Abawi was elected to replace him and Ken Pohronezny was elected vice-chairman for 1990–1991. Pete Timmer is immediate past chairman.—*L. W. Timmer*

**Virology Committee.** The committee meeting was chaired by Steve Lommel, recorded by Ramon Jordan, and attended by 10 members and 37 visitors.

In 1990 the committee cosponsored with the Canadian Phytopathological Society a well-attended and timely symposium entitled "Structure and Function of Plant Viral Genomes and Their Satellites," organized by Chuji Hiruki. A symposium on "Innovative Immunology in Plant Pathology," to be organized by John Hill and Ramon Jordan and cosponsored by several other committees, was submitted to the planning committee for the 1991 meeting. The committee voted to cosponsor a discussion/colloquia on tomato spotted wilt virus, to be organized by the Diseases of Ornamental Plants and Turfgrasses Committee in 1991. Discussion and colloquia topics for 1992 sponsorship were also discussed. A proposal to sponsor "Transgenic Plants in Bio-control" was sent to the planning committee.

Several subcommittee and special topics reports were given. O. W. Barnett gave a status report on the Plant Virus Slide Set series (two slide sets in the next two years). Cleora J. D'Arcy gave an update on the now available Plant Virology Database and program, which can be purchased for \$25. The book entitled "Serological Detection of Plant Viral and Bacterial Plant Pathogens: A Laboratory Manual," edited by R. O. Hampton, E. Ball, and S. DeBoer, will be available from APS Press in October for \$46.50. A new subcommittee, to be chaired by John Hill, was formed to make recommendations concerning the possible streamlining of the APHIS permit system for the interstate movement of specific plant viruses. Larry McDaniel updated the committee on the current status of the ATCC Plant Virus Collection. The committee also discussed and voted to have a letter of support written and sent through APS Council to urge financial support of the ATCC Plant Virus Collection by the USDA.

Reports were also given on recent or upcoming meetings, including an international symposium on tomato spotted wilt virus, an international workshop on "Standardized Coding of Virus Characteristics"; and a potyvirus taxonomy workshop to be held in conjunction with the ICV in Germany.

Eight names were placed in nomination to the Council for membership on the committee. Tom German was elected vice-chairman for 1992–1993. R. F. Davis, J. Hammond, B. Hillman, and S. Slack joined the committee as new members at the end of the meeting.—*Ramon Jordan*

## REPORTS OF DIVISION COUNCILORS

**Caribbean Division.** It has been an active year for the division since its annual meeting in Cali, Colombia, especially planning for future meetings and activities. The annual meeting that was planned for Acapulco, Mexico, in conjunction with the parent society, was cancelled. However, we have not given up on the idea of hosting a meeting for the parent society outside of the continental United States.

The division held its XXX annual meeting on the campus of the University of Puerto Rico, Mayaguez, May 27–31. Approximately 135 persons attended the meetings, with more than 70 of the participants coming from outside of Puerto Rico. This is an excellent attendance, considering the distances many of the participants had to travel and that it was a division meeting.

The organizing and local committees did an outstanding job,



receiving numerous compliments from the attendees. Members of the committees were Julia Mignucci, Paul Hepperly, Rodrigo Echavez, Juan Gonzalez, Nelia Acosta, Rocio Rodriguez, Dora Ramos, Nydia Vicente and Felicita Varela.

There were several special presentations delivered by invited speakers. The speakers and their topics were as follows: Julio Bird, "Whiteflies and whitefly-transmitted viruses in the Caribbean Basin"; Charles Delp, "Coping with insecticide resistance in the tropics"; Rodrigo Rodriguez, "Biological control and the integrated management of plant nematodes in the tropics"; Paul Hepperly, "Disease resistance and hybrid vigor"; and Karl Maramorosch, "Mollicutes on tropical crops."

Other features and activities of the annual meeting included 40 oral papers presented by members; a special presentation made at the banquet by the taxonomist of the Botanical Gardens of the University of Puerto Rico at Rio Piedras on "The plants introduced to the West Indies after the discovery of America and their impact on the ecology"; sale of APS books, t-shirts and other items; several visits to experiment station sites on and off campus to observe mushroom growth and different types of field research; a tour through the countryside followed by a typical outdoor Puerto Rican lunch; a visit to magnificent caves complete with a genuine tropical downpour where everyone got soaking wet; and a social gathering complemented by live Puerto Rican music.

Since so many members of the Office of International Programs (OIP) and others interested in international activities were present (the Caribbean is the most international of the APS divisions), OIP Director Charles Delp took advantage of the opportunity and called a luncheon meeting of OIP to discuss several items of interest to the parent society.

The new division officers are President Carlos Araya, Universidad Nacional, San Jose, Costa Rica; Vice-President Conrado Daboin, Universidad Lesandro Alvarado, Barquisimeto, Venezuela; Secretary-Treasurer Jose Galindo, CATIE, Turrialba, Costa Rica; Councilor Jose Amador, Texas Agricultural Extension Service, Weslaco, TX. (Note: It was voted last year in Cali, Colombia, that Amador finish the incomplete first term; he was reelected to a second term.)

At the business meeting, members voted to have the 1992 division meeting in Venezuela at a site to be selected by the Local Arrangement Committee. Amador gave a report on activities of the parent society, emphasizing its various projects, including the building addition, the fund-raising campaign, the success of *Molecular Plant-Microbe Interactions*, activities of APS Press, and recruitment of graduate students from each of the divisions.

The 1991 division meeting will be held in conjunction with the Costa Rican Phytopathological Association in San Jose, Costa Rica, May 20-25. The following activities will be offered: six field trips, a visit to the Lankester Botanical Garden, a tour to the important agricultural area located in the Atlantic Zone of Costa Rica, several special lectures by invited speakers, and paper and poster sessions. The closing ceremonies will be at Jaco, one the country's most gorgeous beaches.—*Jose Amador*

**North Central Division.** The division meeting was held in conjunction with the national APS meeting in Grand Rapids, MI, on August 4-8. Dr. Christine Stephens, division president, presided over the business meeting. New division officers elected were Dr. Douglas Jardine of Kansas State University, secretary-treasurer, and Dr. Albert Ellingboe, division councilor, both for 3-year terms; and Dr. Einar Palm, University of Missouri, president for 1990-1991. Dr. Carol Windels, former secretary-treasurer, was elected councilor-at-large in the recent election of APS officers. The next division meeting will be in conjunction with the APS meeting in St. Louis, MO.

Graduate students participated in the annual competition for best poster and oral presentations during the APS meeting. First and second place prizes for best oral presentations were awarded to J. S. Lehman, Purdue University (\$100), and G. F. Gilbert, University of Wisconsin (\$75), respectively. First and second place prizes for best posters were awarded to E. M. Bauske, University

of Illinois (\$100), and D. Cook, University of Wisconsin (\$75), respectively. Dr. Richard Ford was awarded the Distinguished Service Award by the North Central Division for his outstanding contributions to the division and to the profession. The award carried a cash prize of \$200.

The division membership voted to make a \$1,000 contribution to the APS headquarters building mortgage retirement fund. We believe we are the first division to make such a contribution.—*M. L. Lacy*

**Northeastern Division.** The division met at Sheraton Penn State, State College, PA, on November 1-3, 1989. The 49th annual meeting was attended by 119 professional status and 44 student status scientists. Of the 70 contributed papers, 16 were judged for the Graduate Student Award. Rafik Assabqui of the University of Guelph received the Graduate Student Award for his oral presentation entitled "In vitro production of sirodesmin pl correlated with pathogenicity of *Leptosphaeria maculans* to rapeseed." Lynn Hirayama of The Pennsylvania State University received honorable mention for her paper entitled "Stability of metalaxyl resistance in field isolates of *Pythium aphanidermatum*." The Award of Merit was presented to Dr. Carl Beckman.

In addition to contributed paper sessions, the meeting included extension plant pathologist updates, industry updates, a discussion session on the status of forest pathology in northeastern North America, a workshop on needle cast fungi, and a symposium on new approaches in plant disease control. An evening session on technology transfer included academic and industry participants displaying programs and/or products through the use of booths and posters. This display was designed to increase interaction between academic and industry associates.

APS President Paul Williams presented an overview of our parent society and past Council activities at the annual business meeting. Following the banquet, Dr. Williams also presented an excellent overview of his thoughts, current approach, and future plans for educational programs designed to stimulate interest in plant sciences among students at the elementary, intermediate, and high school level.

Division officers are: President S. A. Johnston, Rutgers University; Vice-President D. I. Pieczarka, Agway; Secretary-Treasurer D. R. Houston, USDA; Councilor S. P. Pennypacker, Pennsylvania State; and Councilor-Elect K. D. Hickey, Pennsylvania State. Regional meetings are October 31–November 2, 1990, Cromwell, CT; November 1991, Ithaca or Syracuse, NY; and November 1992, possibly in Maine.—*S. P. Pennypacker*

**Pacific Division.** The division held its annual meeting June 19–20, 1990, in Hilo, HI. There were 124 registrants and many additional family members and friends in attendance.

The program included a tour and a symposium on tropical plant diseases. Most of the participants in both sessions (over 100 in each) were not familiar with tropical crops. The symposium, coordinated by Dr. Wayne Nishijima, featured diseases of sugarcane, papaya, macadamia, and orchids. Sixty papers were presented, including four that were entered into the Graduate Student Award competition. The first and second place plaques and monetary awards were presented to Natalie Goldberg of the University of Arizona and to Karol Jacobs of the University of California, Davis, respectively.

President Mike Stanghellini presided at the business meeting. The minutes of the 1989 annual meeting were presented by Jim McDonald and were approved as presented. McDonald also presented the treasurer's report. Don Mathre, APS immediate past president, represented APS President Paul Williams by presenting a report of major APS activities and actions. He reported that the addition to the APS headquarters had been completed and that the Society is continuing its request for contributions to the building fund and to the APS Foundation. Mathre also presented an update on the financial condition of the Society and the overall health and leadership for APS publications. He announced that Larry Madden will become the next editor-in-chief of *Phytopathology*.

Richard Smiley, representing Pacific Division Councilor Mary Powelson, presenting a report of APS Council actions that were not covered in Mathre's report. Specific emphasis was given to the new APS ad hoc Graduate Student Committee, the impending vote to amend the APS Constitution with regard to the structure of graduate student journal options, the availability of child care at the 1990 APS Annual Meeting, the recent adjustment in page charges and half-tone production costs for authors publishing in *Phytopathology* and *Plant Disease*, and the appointment of three new senior editors to the APS Press Editorial Board.

The business meeting continued with a moment of silence in remembrance of Ronald Covey. President Stanghellini then announced that the 1992 and 1993 APS annual meetings will be held in states represented by the division: Oregon in 1992 and New Mexico in 1994. It was moved and passed that the Pacific Division and the APS would hold a joint meeting in Portland during 1992. No action was taken with regard to the meetings during 1994.

Division officers for 1990–1991 are President Fred Gray, University of Wyoming; President-Elect Gary Chastagner, Washington State University; Secretary/Treasurer Joyce Loper, Oregon State University; and Division Councilor Mary Powelson, Oregon State University.

The next division meeting will be at the Holiday Inn in Bozeman, MT, June 23–25, 1991. Local Arrangements Chairman Don Mathre announced that Yellowstone Park is a nearby attraction and that the meeting will occur only a few days after the conclusion of the National Collegiate Rodeo Finals in Bozeman.—*Mary L. Powelson*

**Potomac Division.** The 47th annual meeting of the division was held at the Lakeview Resort, Morgantown, WV, March 21–23, 1990. The meeting was hosted by the Division of Plant and Soil Sciences, College of Agriculture and Forestry, West Virginia University. Local arrangements were planned and implemented by the Program Committee under the leadership of Joseph Morton.

The 3-day meeting commenced with two discussion sessions. James Adams moderated a discussion on "Life After EBDC Fungicides" and George Lacy chaired a discussion group on "Constraints Associated with Progress of Biotechnology in Plant Pathology." Twenty-eight research papers were presented, including 10 by graduate students in competition for the student research award. Ramon M. Cu, Virginia Polytechnic Institute and State University (VPI&SU), was the award winner with his presentation entitled "A pathogen growth response model for fungicide application to control *Cercospora* leaf spot of peanut." Coauthors of the paper were Patrick Phipps and R. Jay Stipes. Curtis Roane (VPI&SU) (in absentia) and Mannon Gallegly (West Virginia University) were presented awards for outstanding service.

During the business meeting, members voted to use the money in the memorial fund to sponsor travel grants for graduate students to attend national and international meetings.

Division officers for 1990–1991 are President Erik Stromberg, VPI&SU; Vice-President Suzanne Hurtt, USDA-ARS; Secretary-Treasurer Arv Grybauskas, University of Maryland; and Councilor William MacDonald, West Virginia University.

The 48th annual meeting will be hosted by the University of Maryland in March 1991.—*William L. MacDonald*

**Southern Division.** The division met at the Statehouse Convention Center in Little Rock, AR, February 4–6, 1990, in conjunction with the annual meeting of the Southern Association of Agricultural Scientists.

President Claude Thomas presided over the meeting which included 127 registrants. The program included five papers in the Graduate Student Award competition, 34 other papers, and 20 posters. The general session speaker for SAAS was Richard J. Sauer, president and chief executive officer, National 4-H Council, who spoke on "Is alternative agriculture really an alternative?"

The first place graduate student paper award of \$200 and a certificate was presented to Susan Diehl, Mississippi State University, for the paper "Cytochemical response of pecan to infection by *Cladosporium caryigenum*." Her research was directed by C. H. Graves and coauthored by P. A. Hedin. The second place award of \$100 and a certificate was presented to Debbie Nida, University of Kentucky, for her paper "Expression of cowpea mosaic virus coat protein coding region in transgenic tobacco." Her research was directed by S. A. Ghabrial.

Dr. H. H. "Bill" Luke, USDA-ARS (retired), University of Florida, was presented the Outstanding Plant Pathologist Award, which consisted of a plaque and a check for \$200.

Paul Williams, APS president, presented an overview of the Society during the annual business meeting and explained his plans for educational programs and graduate student involvement in the Society.

The result of a survey of the membership concerning the possibility of changing the name of the national society was presented by Kenneth Conway, councilor. There were 116 responses received from the membership and the only name that was acceptable was "The American Phytopathological Society."

Division officers for 1990–1991 are C. Lee Campbell, president; Allison Tally, vice-president; John Rupe, secretary-treasurer; and Kenneth E. Conway, councilor.

The 1991 division meeting will be hosted by the Department of Plant Pathology, North Carolina State University, Raleigh, at the Sheraton-Crabtree Hotel, March 24–27. Tours of industries in the research triangle will be conducted on Wednesday, March 27. Immediately following this meeting, the Eastern Regional Conference on the Ecology of Root-Infecting Microorganism (ERCERIM-13) will be held.—*K. Conway*