

Eighty-Third Annual Report of The American Phytopathological Society

Downtown St. Louis, MO, in the shadow of the Gateway Arch, hosted the 83rd APS annual meeting, entitled "Gateway to the Future." Registrants (1,866) gathered to discuss the many aspects of our science in recognition of the importance of preparing for the future of the profession, industry, and the Society.

The USDA 1991 B. Y. Morrison Memorial Lecture, delivered by A. Kelman, North Carolina State University, Raleigh, was on the future role of biotechnology in integrated pest management. The Plenary Session was opened by S. Pueppke of the University of Missouri, Columbia, followed by a challenging presentation by W. D. Carpenter, vice-president and general manager, New Products Division, Monsanto Agricultural Company, St. Louis, who discussed the public stand the scientific community needs to take on the issue of food safety and the role pesticides and biotechnology play in the world's food and fiber supply. C. E. Hess, assistant secretary for science and education, USDA, Washington, DC, discussed the future of government funding to support agriculturally related research and the importance of this research for the future of agriculture.

The President's Forum address was given by L. R. Nault, president of the Entomological Society of America (ESA), who discussed the history and diversity of ESA and the role that economic entomologists play in the society. Dr. Nault encourages future interactions of APS with ESA as it relates to crop protection. APS President George Agrios focused on key issues that will affect the Society's future, such as our continued involvement in public responsibilities and the need for development of a Doctor of Plant Medicine (DPM) degree. The session concluded with President-Elect O. W. Barnett's remarks on the year to come and the need for APS to develop a strategic plan.

Diversity of research interests was evident in the scientific sessions. In the 75 contributed paper sessions (41 oral and 34 poster sessions), 877 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 "Food and the Environment: IPM Meets the 21st Century," "Global Change and Plant Health," and "*Arabidopsis* as a Model System for Studying Plant-Pathogen Interactions." Twenty-two discussion sessions, nine colloquia, two workshops, one forum, and one teach-in rounded out the scientific meetings. Additionally, premeeting tours, technical committee meetings, 47 APS committee meetings, breakfasts, luncheons, and socials attracted many participants.

The Publishers' Book Display exhibit included books from more than 15 publishers, and APS Press had another prominent display. Book sales at the meeting totaled more than \$20,000. Booth exhibits featured displays from commercial companies, publishers, the 6th International Congress of Plant Pathology (organized by CPS), the APS Foundation, and several Sustaining Associate companies.

Headquarters. The APS headquarters building space, which is shared with the American Association of Cereal Chemists (AACC), was almost doubled in size by completion of the new addition in March 1990. In a ceremony on March 7, 1991, this new addition was named the "Raymond J. Tarleton Wing" in honor of the outstanding service, leadership, and administration of the Society by Executive Vice President R. J. Tarleton, who will retire on December 31, 1991. Steve Nelson was appointed to succeed Tarleton as the new executive vice president of APS

and AACC, effective January 1, 1992. The appointment was made by the Headquarters Operations Committee, composed of both APS and AACC officers. Nelson comes to the office with 18 years of experience with the two societies, with his most recent office being associate executive vice president.

APS Foundation. The APS Foundation elected Bill G. Tweedy as chairman; George A. Zentmyer, vice-chairman; and Ralph J. Green, secretary/treasurer (2-year term). Tweedy and Zentmyer were elected to second 5-year terms as members of the board of directors. Highest priority has been and will be given to the wise investment of endowment funds at the highest possible rate of return and to fund-raising activities for the Annual Giving Fund and the Endowment Fund. Major contributions to the Foundation in 1991 include \$100,000 from John S. and Ann F. Niederhauser in order to establish the John S. and Ann F. Niederhauser Endowment Fund for studies on late blight of potato and its control. Monsanto Agricultural Company presented \$10,000 at the business meeting on August 20.

Office of International Programs. The OIP appointed Anne Alvarez and Ta-Li Kuan as new members of the advisory board. Joe Krausz and Paul Teng were reappointed for 3-year terms. L. Apple and D. Thurston completed their 2-year terms on the board. OIP held another successful open forum and discussion session, focusing on international employment and service opportunities, at the annual meeting. For the third year, OIP had a booth display complete with posters, videos, and brochures describing its activities. The OIP Operating Procedures have been modified with suggestions from the advisory board and Council. The numerous OIP committees (Communication, Professional Development, Policy and Program, Liaison, Academic Institutions, Banks, and Industry) had a very active year with continued development of programs and services to Third World countries. Charlie Delp, OIP director, continues to encourage APS members to share resources with scientists in developing countries as "International Science Partners."

Awards. Thirteen members were elected fellows at the St. Louis meeting: S. Bartnicki-Garcia, M. K. Beute, I. Chet, R. H. Converse, R. E. Ford, D. Gonsalves, R. S. Hussey, A. O. Jackson, J. Katan, N. T. Keen, E. W. Kitajima, D. P. Maxwell, and D. A. Slack. The Extension Award was presented to Malcolm C. Shurtleff, the Ruth Allen Award to G. E. Templeton, the Ciba-Geigy Award to M. E. Daub, and the Lee M. Hutchins Award to R. C. Pearson and D. M. Gadoury. R. J. Tarleton was awarded the Distinguished Service Award, awarded only once before in APS history, for his sustained outstanding leadership and administration of the Society.

Council appointed an ad hoc Awards and Honors Review Committee, chaired by William E. Fry, at the midyear meeting. This committee presented to the Council at the meeting in St. Louis a review of the types of awards and honors bestowed by our Society. The review will continue at the 1992 midyear meeting.

Society affairs. As of June 30, 1991, there were 4,552 members in the Society, a slight decrease of 25 from that of 1990. The continued decrease in graduate student membership (557 in 1991 versus 628 in 1989) has contributed to the overall decrease in membership. Council and the Membership Committee will continue to address membership as a key factor in the long-term future of the Society. The Public Relations Committee hosted a high school science student/teacher tour of posters, followed by a luncheon, at the St. Louis meeting, with the purpose of publicizing plant pathology.

The Society completed its fiscal year on June 30, 1991, with an audited operating deficit (before reserve allocations) of \$35,358, compared to a budget deficit of \$11,060. This is the largest deficit encountered in the past 11 years and is mainly due to the APS headquarters addition, a major computer conversion at headquarters, a reduction in the backlog of manuscripts, and the launching of *MPMI*. The Financial Advisory Committee, which meets midyear and at the annual meeting, now also meets every June (starting in 1991) and has initiated a long-range program that will provide necessary services to the membership at the minimum cost.

The mortgage of the headquarters building addition was reduced by \$66,000 in 1991, due to the generous support of APS membership, including a \$1,000 donation from each of the APS divisions. AACC has done likewise, and the combined mortgage is now \$300,000, or \$150,000 per society.

APS publications continue to be the major part of activities for Society members and for headquarters staff. These publications are also the major source of income for our Society. Miles Wimer of APS headquarters, formerly nonjournal publications manager, was appointed as the overall publications coordinator. In order to continue coordination of publication activities, procedures, and the needs of all publications and to streamline communication to Council, the Council approved in St. Louis the formation of the APS Publications Board. The editors-in-chief of *Plant Disease*, *MPMI*, *Phytopathology*, APS Press, and *Phytopathology News*, as well as the publications coordinator and the APS treasurer, will constitute the board. Larry Madden, editor-in-chief of *Phytopathology*, was appointed the first chairman. In addition, Council appointed an ad hoc Journals Review Committee at midyear, chaired by Jim Marois, to review the quality, direction, and scope of each journal. The journal review will continue at the 1992 midyear meeting.

APS Press continues to be successful and maintains its mission to operate a competitive publishing program, provide service, and contribute to the financial objectives of the Society. Eleven new books and seven slide sets were published during FY91. Although APS Press did not exceed its budgeted income, the gross income for FY91 represented another record year for APS Press. Projections for FY92 are favorable. Two new senior editors, Jacqueline Fletcher and Raymond Hammerschmidt, were appointed by Council to 3-year terms to the eight-member APS Press Editorial Board. Additionally, APS Council appointed Gail Schumann, chairman of the Illustrations Committee, to the board. Steven Slack became the third editor-in-chief of APS Press during the annual meeting in St. Louis. The Society gratefully acknowledges Dick Smiley's 4 years of service as editor-in-chief of APS Press, from 1987 to 1991.

Plant Disease was published on time throughout fiscal years 1990-1991. The numbers of research manuscripts received and accepted (383 and 275, respectively) were up 4.6% and 15% respectively, from 1989-1990. The diverging trends in manuscript publishing and downward trend in subscriptions during the last 2 years have caused *Plant Disease* to be a concern in the APS budget. APS Council appointed Turner Sutton, Ann Chase, Ray Schneider, and Howard Schwartz as senior editors; Wendell Horne, feature editor; and Greg Shaner, Barry Cunfer, Lori Carris, Laura Sweets, Judy Thies, Jim Venette, Michael McLaughlin, Eldon Brown, and Lawrence Datnoff as associate editors. The Society gratefully acknowledges Wayne Sinclair's 3 years of service as editor-in-chief of *Plant Disease*, 1989 through 1991.

MPMI is now in its fourth year of publication and continues to show improvements in all aspects of its operation. The initial start-up costs have been amortized and the journal broke-even in FY91. Hopefully, the accumulated losses for the past three years can be recovered in time. The sharing of financial responsibilities for the journal between APS and IS-MPMI has not been resolved, but discussions will continue. Fred Ausubel of IS-MPMI will be the new editor-in-chief beginning January 1, 1992. The Society gratefully acknowledges Luis Sequeira's 3 years of service as editor-in-chief of *MPMI*, 1989 through 1991.

Phytopathology News averaged 15.6 pages per issue from July 1990 through June 1991, covering a diverse range of subjects. Mary Powelson and Robert Nyvall were appointed to the Editorial Committee. The Society gratefully acknowledges C. Lee Campbell's first year of service as editor-in-chief of *Phytopathology News*.

APS affiliations. APS representatives continued to be active during the year in important contacts with other societies and agencies. O. W. Barnett and R. J. Tarleton attended the National Research Board on Agriculture meeting April 17 and 18. Barnett was chairman of the Organizing Committee for this meeting. There were 55 representatives in attendance from 35 of 60 scientific societies related to agriculture and the environment. At this meeting funding of the National Agricultural Research Initiative was discussed by COFARM (Coalition on Federal and Agricultural Research Missions), of which APS is a member. Discussions on establishment of a registry of agricultural professionals and the role of congressional fellows relating to agriculture and science were discussed. Barnett urges APS to remain active with this organization.

W. M. Dowler, APS representative to the American Type Culture Collection (ATCC), reported to Council that the future location of ATCC remains a concern and the exact location is still under negotiations. ATCC offered key assistance in 1991 in attempts to ease permit requirements by APHIS for movement of cultures of viruses, bacteria, and fungi.

Larry Moore, APS representative to AIBS, reported that the Congressional Fellowship Program of AIBS has been very successful in bringing knowledgeable scientists into direct working contact with legislative activities in Washington, DC. AIBS is similarly lobbying for continued support for basic agricultural research through COFARM, of which it is a member. Also, John S. Niederhauser was the winner of the 1991 AIBS Distinguished Service Award.

Appointed by Council at the midyear meeting was the ad hoc APS Affiliations Review Committee, chaired by Stan Pennypacker. The committee reviewed the value and need for affiliation of our Society with 19 various organizations, agencies, and societies. The committee presented its recommendations at the annual meeting in St. Louis. This review will continue at the 1992 midyear meetings.

Public policies and responsibilities. A central theme to many of the 1991 APS committee meetings and the midyear and annual Council meetings was on continued APS involvement in policies, public responsibilities, and bringing our science even closer to the public eye. Numerous APS members represented the Society on policies and public responsibilities during the past year and reported these activities to Council. Anne Vidaver and Sue Tolin have kept APS Council and the Society abreast of all regulations regarding biotechnology and movement of pathogens. Via appropriate APS committees, we have responded to any proposed policies, rules, or acts in 1991 that called for public comment. APS's position statement on "Fungicides as Medicines for Plant Health" was released to the press or sent to appropriate individuals, agencies, national commodity, and advocacy groups in the fall of 1990 and early in 1991. It was well-received and appeared or was mentioned in numerous publications.

Formation of a National Plant Pathology Board proposed at the 1990 annual meeting in Grand Rapids materialized in 1991. An initial National Plant Pathology Board was appointed. The members are Anne Vidaver (chairman), Arthur Kelman, Luis Sequeira, R. James Cook, Sue Tolin, and Clifford Gabriel. The board has begun its activities as liaison between APS and the powers-to-be in Washington, DC.

Council also took another major step in 1991, approving the formation of a National Registry of Certified Professional Plant Pathologists. The intent of this registry is to lend credibility and legitimacy to plant pathologists engaged in private practice. Council appointed a committee of three (Jose Amador, Carol Windels, and Ken Conway) to formulate the criteria that could be used to certify a plant pathologist. The registry will be operated

as a sub-board of the American Registry of Certified Professionals in Agronomy, Crops and Soils (ARCPACS), managed by the Agronomy Society of America, which will handle any liability that could possibly arise.

APS Council, at its midyear meeting, expressed its endorsement of a proposal by the departments of Plant Pathology and of Entomology and Nematology at the University of Florida to establish an interdisciplinary graduate professional degree entitled Doctor of Plant Medicine (DPM). This action is another step to meet demands of the future and to develop practitioners who, hopefully, will be viewed by the public as a plant doctor prescribing plant medicines. It was noted by President George Agrios in his presidential address that the State of Florida alone could currently employ as many as 60 plant doctors. It is interesting to note that 10 years ago APS reviewed and rejected the concept of a registry and a plant doctor degree. However, 1991 is the right time to do this and to quote President Agrios, "There is nothing to lose and everything to gain."

On a futuristic note, APS Council appointed a nine-member committee, chaired by Steven Pueppke, to review the individual actions our Society has taken in the last several years and to examine the direction(s) in which APS should move over the next 5 years. The APS Strategic Plan is targeted for completion by the 1992 annual meeting. We are indeed examining our "Gateway to the Future."

Future. Stella Coakley of Oregon State University extended a welcome to APS members for the 1992 meeting, to be held August 8–12. Sites for future APS meetings are: Nashville, TN, November 7–11, 1993; Albuquerque, NM, August 6–10, 1994; Pittsburgh, PA, August 12–16, 1995; Indianapolis, IN, July 27–31, 1996; and Canada, 1997. The 1998 meeting will be in the Potomac Division.

I have enjoyed my second year as APS secretary and it was an honor to help host the meeting in St. Louis this year. Thanks again to all of the Society members and headquarters staff for their cooperation during 1991.—*Molly Niedbalski Cline*, secretary

REPORT OF COUNCIL MEETINGS

President George Agrios presided at the midyear Council meeting held at APS headquarters March 7–10, 1991, and at the 1991 APS Council meetings held in St. Louis August 16–21. President O. W. Barnett presided at the new Council meeting on August 21. All Council members were present. Persons completing terms on the Council and new Council members are listed in the "Report of the Business Meeting."

Customary reports were presented at both the midyear and annual Council meetings, including reports by the treasurer, editors-in-chief of APS publications, division councilors, the Foundation, several APS committees, and representatives to APS affiliates.

The theme of APS involvement in policies and public responsibilities was also prevalent in the 1991 Council meetings. (See "Public policies and responsibilities" in the introduction to this Annual Report.)

Other highlights of the 1991 Council meetings included appointment of several ad hoc committees to review the need for member services, review APS awards and honors, review APS journals, and review APS affiliations, and to develop a strategic plan. Preliminary reports were given at St. Louis from all of the ad hoc committees and discussions will continue at the 1992 midyear Council meetings.

Council extensively discussed the formation of a National Plant Pathology Board and a National Registry of Certified Plant Pathologists. Council acted favorably on both issues by approving their formation. (See "Public policies and responsibilities" in the introduction to this Annual Report.)

The theme of public responsibility and APS affiliations with other professional societies will undoubtedly continue in the 1992 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 Council (see the introduction to the Annual Report and "Report of the Business Meeting"). Council meetings are open to any member. Please feel free to 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 George Agrios called the meeting to order on Tuesday, August 20, in the St. Louis Room of the Adams Mark Hotel in St. Louis. Paul Williams was appointed parliamentarian. The agenda was presented and approved.

President Agrios summarized important events of the year. The secretary and treasurer gave reports. Customary committee reports were also presented, including necrology by Molly N. Cline. Publications were reviewed by R. Smiley, editor-in-chief of APS Press; L. Madden, editor-in-chief of *Phytopathology*; W. Sinclair, editor-in-chief of *Plant Disease*; and L. Sequeira, editor-in-chief of *Molecular Plant-Microbe Interactions (MPMI)*. Highlights of the 1991 APS Office of International Programs were reported by Director Charlie Delp, and highlights of the 1991 APS Foundation activities were reported by Chairman Jim Tammen. (See the introduction to this Annual Report.)

President Agrios thanked the members of APS for giving him the opportunity to serve the Society. He also expressed appreciation to the following for their service to APS as they complete their terms: Paul Williams, past president; Dave French, treasurer; Cleo D'Arcy, senior councilor-at-large; Stan Pennypacker, North Central Division councilor; Dick Smiley, editor-in-chief of APS Press; Wayne Sinclair, editor-in-chief of *Plant Disease*; Luis Sequeira, editor-in-chief of *MPMI*; and Raymond J. Tarleton, APS executive vice president. The Local Arrangements Committee, composed of Chairman T. D. Wyllie, M. Cline, J. Cummings-Carlson, D. Gigax, R. N. Goodman, C. Luley, M. Mielke, D. Millikan, C. Schiller, M. Schaffer, and T. Robison, gave of their time to make the meeting a success. The St. Louis meeting was made possible by the dedicated efforts of APS staff.

The gavel was passed to O. W. Barnett, president for 1991–1992, who introduced new council members. Mary Powelson was elected as the new councilor-at-large, and Cleo D'Arcy was elected vice president. The new Northeastern Division councilor is Ken Hickey and the new Pacific Division councilor is R. K. Webster. Steve Slack is the new editor-in-chief of APS Press and Wayne Pedersen is the new editor-in-chief of *Plant Disease*. Steve Nelson was appointed the new executive vice president of APS, effective January 1, 1992. President Barnett thanked George Agrios for his excellent leadership this past year. He is proud to work with a society such as APS, and encourages members to plan for our future challenges.—*Molly Niedbalski Cline*, secretary

REPORT OF OFFICERS

Report of the president. During the 1990–1991 fiscal year, APS continued its vigorous growth in activities, publications, and services to its members; interaction with other societies and agencies; and ability to meet the increasingly complex challenges of the future. Among other developments during the past year, APS witnessed several important organizational changes in its headquarters staff, initiated reviews of several sectors of its operations, and introduced a number of new initiatives, some of which are likely to have significant impact in the future development of our Society and our profession.

Headquarters facilities. During the past year our headquarters building space which, together with the headquarters staff, is shared with the American Association of Cereal Chemists (AACC), was nearly doubled through the addition of a newly constructed wing. The new wing was dedicated on March 7, 1991, and was named the "Raymond J. Tarleton Wing" in honor of Executive Vice President R. J. Tarleton, who will retire on December 31, 1991.

Changes in APS management. The Headquarters Operations Committee, composed of both APS and AACC officers, after

considering the issue of a successor to R. J. Tarleton for almost a year and after receiving the report of a professional consultant specializing in hiring chief executive officers for non-profit organizations such as ours, appointed Steve Nelson as the new executive vice president of APS and AACC, effective January 1, 1992. Nelson has been working for the two societies for 18 years, the last six years as the associate executive vice president.

Publications. APS publications continue to be the major part of activities for members and for headquarters staff, since they provide the major means of publishing our research and other papers and books and of educating our members and others interested in plant pathology. Our publications also are the major source of income for our Society. *Phytopathology* and *Plant Disease* continued their strong traditional programs of publishing basic and applied research papers. Dr. Wayne L. Pedersen has been appointed editor-in-chief of *Plant Disease*, replacing Dr. Wayne A. Sinclair, whose term as editor-in-chief expires December 31, 1991. *Molecular Plant-Microbe Interactions (MPMI)* made significant progress during the past year in terms of numbers of papers submitted and published and in numbers of new subscribers. Considerable discussions have been held with the officers of the International Society of Molecular Plant-Microbe Interactions (IS-MPMI) regarding *MPMI* and the possibility, form, and timing of IS-MPMI sharing in the costs and profits of publication of *MPMI*, but so far no final agreement has been reached. Dr. Luis Sequeira's term as editor-in-chief of *MPMI* expires December 31, 1991, and he will be replaced by Dr. Fred Ausubel of the IS-MPMI.

APS Press has continued its vigorous program of publishing books and slides on plant pathology. The first book of the new plant health management book series, "Wheat Health Management," was published and is to be followed by similar books on other major crops. The importance of APS Press as a source of information and income to the Society continues to increase each year.

During the past year, APS headquarters has reorganized its publications personnel. Miles Wimer, formerly nonjournal publications manager, has been appointed as the overall publications coordinator. Similarly, the editors-in-chief of the three journals, of APS Press, and of *Phytopathology News*, and the publications coordinator will be members of the newly formed APS Publications Board, whose goal is to improve coordination of activities, procedures, and needs of all publications.

Membership. There was a slight (0.6%) decrease in total APS members (4,550) in August 1991, compared to 4,577 members in August 1990. The decrease can be attributed to the continuing decrease in graduate student members (557 in 1991, 595 in 1990, and 628 in 1989) and points to one of the most serious concerns of our Society and of our profession, i.e., attracting a sufficient number of high-quality graduate students.

Division meetings. I am pleased to report that during the past year it was possible for me to attend all of the APS division meetings. I appreciate greatly the hospitality I received in each of them. I was impressed with the quality of research and the level of other scientific activities taking place in the meetings.

Reviews of selected Society activities. Four ad hoc committees were appointed last year to review and recommend action on selected activities of our Society. Thus, the ad hoc APS Awards and Honors Review Committee, chaired by Dr. William E. Fry, reviewed the types of awards and honors bestowed by our Society; the APS Affiliations Review Committee, chaired by Dr. Stanley Pennypacker, reviewed the value and need for affiliation of our Society with the various organizations, agencies, societies, etc., with which APS is presently affiliated; the APS Journals Review Committee, chaired by Dr. James Marois, reviewed the quality, direction, and scope of each of our journals; and an ad hoc committee, chaired by Dr. Abraham Epstein, was appointed to evaluate the need and feasibility of creating a National Plant Pathology Board, the purpose of which would be to serve as a liaison between APS and Washington, DC, i.e. to develop or strengthen our contacts with and input to Washington legislators and regulators.

Public responsibilities. In response to the need to keep the public and appropriate lawmakers and regulatory agencies properly informed on the issues of concern to APS, the Society drafted and released to the press or sent to appropriate individuals and agencies letters expressing APS's position on "Fungicides as Medicines for Plant Health"; "Guidelines for Research Involving the Planned Introduction into the Environment of Organisms with Deliberately Modified Hereditary Traits"; "Microbial Germplasm Collections"; "Use of Marker Genes for Developing New Varieties of Food Crops Through the New Methods of Gene Transfer"; "Increased Funding for the National Research Initiative in Agriculture"; and "ATCC Plant Virus Collection." In addition, an initial National Plant Pathology Board, composed of Drs. Anne Vidaver (chairman), Arthur Kelman, Luis Sequeira, R. James Cook, Sue Tolin, and Clifford Gabriel, was appointed and began its activities as a liaison between APS and the powers in Washington, DC.

National Registry of Certified Professional Plant Pathologists. The APS Council took a major step in approving the establishment of a National Registry of Certified Professional Plant Pathologists. Participation in the registry will be voluntary. The purpose of the registry is to give plant pathologists in private practice legitimacy and stature among their clients while keeping unqualified people from calling themselves or functioning as plant pathologists. The Council appointed a committee to formulate the criteria that could be used to certify someone as a plant pathologist. All paperwork for the registry will be handled by the Agronomy Society of America, which has created a construct to handle the registry and any liability that may arise from the registry.

Doctor of Plant Medicine Degree. Council expressed its support for a proposal by the departments of Plant Pathology and of Entomology and Nematology at the University of Florida to establish an interdisciplinary graduate professional degree program towards a Doctor of Plant Medicine (DPM) degree.

Development of a strategic plan for APS. A nine-member ad hoc committee, chaired by Dr. Steven Pueppke, was appointed to review all of the individual actions our Society has taken in the last several years, to examine the direction(s) our Society is going, and to provide us with a strategic plan for the near future, i.e., a blueprint for action for the next 5 years or so. The APS Strategic Plan is expected to be completed by the 1992 APS annual meeting.

Thanks. I would like to express my most sincere thanks for the privilege of serving as president of our Society during the past year. I received excellent help from the officers and staff at APS headquarters and I want to thank Ray Tarleton, Steve Nelson, and the rest of the headquarters staff for all their help. I also want to thank the many individuals that I called upon during the year and asked to be on committees, to chair committees, or to provide me with some kind of information. Every one of them agreed to do what I asked without showing any hesitation. It was a busy year, but a great year. Many thanks to all for giving me this great experience.—George N. Agrios

Report of the treasurer. The Society completed its fiscal year on June 30, 1991, with an audited operating deficit (before reserve allocations) of \$35,358, compared to a budget deficit of \$11,060. The deficit represents 1.4% of the total budget. Projections made in March 1991 indicated a deficit of approximately \$26,000 would result from the on-going effort to reduce the backlog of manuscripts for *Phytopathology* and *Plant Disease*.

The Financial Advisory Committee met at APS headquarters in June and reviewed in detail the finances of the Society and its goals for the next several years. It was noted that the cost of reduction of the backlog of manuscripts for the journals would exceed the budget for payroll, printing, and postage expenses. However, it was the desire of Council that we move forward with these additional publishing obligations and staff responded as necessary. The net result was to publish an additional 140 pages of *Phytopathology*, 112 pages of *Plant Disease*, and 84 pages of *MPMI* over that budgeted in March 1990. The additional printing and postage costs incurred was in excess of \$33,000,

i.e., almost the total budget deficit. In addition, personnel costs for editing, typesetting, and production also increased by a proportional amount.

While not covering its overhead allocation, *MPMI* did recover its direct costs this year and we look forward to its continued progress. The lack of strong library support is a major cause for lack of financial strength at present. Weakness in the library market is not confined, however, to *MPMI*. Over the past 5 to 6 years we have observed a steady decrease in the number of library subscriptions to both *Phytopathology* and *Plant Disease*. Decreasing library budgets and increasing costs of journals, especially the foreign commercial journals, are forcing libraries to eliminate all but essential journals and to depend more on interlibrary loans and copying.

As financial support from library subscriptions decreases, members may have to make hard decisions regarding the pricing of their individual subscriptions. Currently, member prices in most societies are subsidized by library subscription income, page charges, and advertising. Printing costs continue to outpace the Consumer Price Index and postage shows no sign of stabilizing. The Financial Advisory Committee and headquarters staff members are addressing these issues.

While expenses were over budget for the reasons cited above, income was also reduced and thus did not offset the increased expenses. Income was down from the budget in both library subscriptions and in book sales. The decreases in income from book sales was a combination of lower sales for some selected titles and the tardiness of several titles being received from authors and editors. We anticipate a correction in this area in the coming year.

The support of the membership allowed us to reduce the mortgage on the new building addition by \$66,000 this year. This advanced payment toward the principal was made possible by a combination of membership contributions and reserve funds. The American Association of Cereal Chemists did likewise, and the combined mortgage is now \$300,000, or \$150,000 per society. The reduced principal and lower mortgage rates for 1991 has lowered interest payments substantially.

Income sources for the year are shown in Fig. 1. Membership dues representing 17.5% of the total income is exactly equal to last year and continues to reflect the positive effect of members joining and subscribing to *MPMI*. Nonmember and library subscriptions to the journals are shown individually. Income for *Plant Disease* as a percent total income (10.2%) is down from last year and is the result of decreasing individual and library subscriptions to that journal. Total journal income representing 27.7% of total income (*MPMI*, 3.4%; *Plant Disease*, 10.2%; and *Phytopathology*, 14.1%) is down 1.3% from last year. Libraries continue to reduce journal collections as budgets decrease and commercial and overseas journals continue to increase in cost. Also, university libraries are developing greater cooperation among themselves in regard to loans between campuses, which decreases duplicate subscriptions. APS Press's contribution (25.9%) is down slightly from last year, although the dollar value of sales was higher. Other income sources shown are the annual meeting at 9.3%, reprints and page charges at 14.8%, advertising sales at 2.3%, interest and dividends at 1.3%, and miscellaneous (other) at 1.2%.

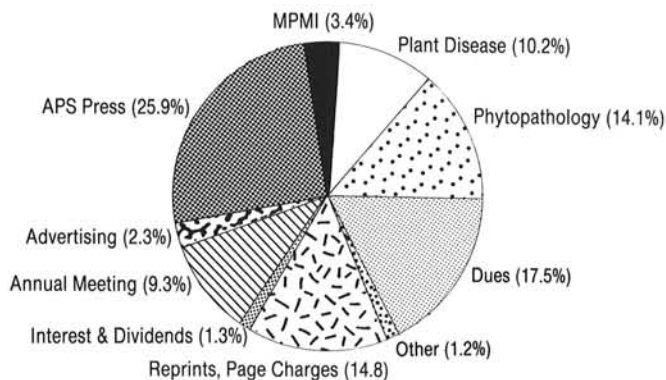
Expenses allocated by similar functions are shown in Fig. 2. The largest single cost at 33.8% of the total expenses was the production of the three journals (*Phytopathology*, 14.0%; *Plant Disease*, 14.0%; and *MPMI*, 5.9%). This expense is 2.3% greater than last year and the increase is attributed to higher costs for printing and postage, as well as a larger number of pages published in the three journals. G&A, the cost of administration, at 26.8% was down from the previous year. Member services (11.0%) is the same as last year and includes such activities as collection of division dues and providing mailings and address labels to division officers, 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, assisting the APS Foundation and Office of International Programs, and a large number of other duties.

The financial activity of the Society over the past 11 years is summarized in Table 1. The yearly summaries do not include reserve allocations. The \$35,548 deficit for FY91 was the largest deficit encountered in the past 11 years. In view of the building construction, a major computer conversion, a catch up on publishing manuscripts, and the launching of a new journal, we have managed quite well. This is especially true when considering the current economic recession.

The total assets as of June 30, 1991, excluding restricted funds of \$222,072, were \$1,607,100 and liabilities were \$1,088,633, producing a membership equity of \$518,467.

The budget for the current fiscal year (FY92) anticipates an operating surplus of \$11,620, before allocation of a reserve, from

1 American Phytopathological Society Audited Income FY 91



2 American Phytopathological Society Audited Expenses FY 91

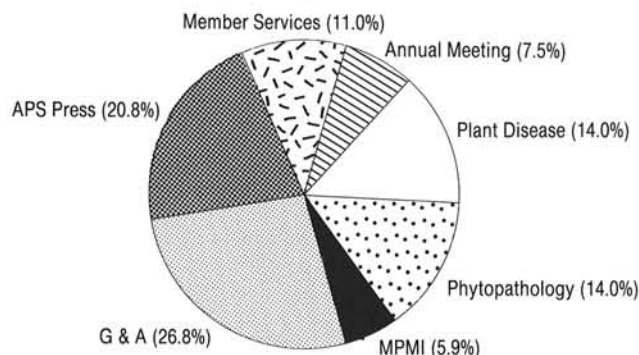


TABLE 1. Comparison of American Phytopathological Society fiscal years 1981–1991 before reserve allocations

Fiscal year	Income	Expense	Surplus (Deficit)
1981	957,288	951,388	5,900
1982	1,129,634	1,129,541	93
1983	1,423,638	1,331,042	92,596
1984	1,569,615	1,419,205	150,410
1985	1,588,998	1,502,827	86,171
1986	1,618,355	1,622,224	(3,869)
1987	1,666,154	1,669,779	(3,635)
1988	1,903,918	1,897,972	5,946
1989	2,213,691	2,189,138	24,553
1990	2,260,693	2,263,159	(2,466)
1991	2,436,388	2,471,746	(35,358)

a total budget of approximately \$2.7 million.

The June meeting of the Financial Advisory Committee and APS headquarters staff at St. Paul proved beneficial to all attendees. Society finances and plans for the future were discussed. We believe we have initiated a long-range program that will provide necessary services to the membership at the minimum cost. In addition, we are investigating options for reducing the production costs of the journals. The October 1991 issue of *Plant*

Disease is, for example, scheduled to be printed in Pennsylvania at a potential savings to the Society. Staff continues to investigate the latest in sophisticated desktop software and will move in that direction when appropriate.

I extend my sincere thanks to the members of the Financial Advisory Committee, Council, and headquarters staff for providing their time and advice in assisting the treasurer-elect during the past year.—S. P. Pennypacker, treasurer-elect

**Report
of the
Auditor**

The American Phytopathological Society has had its accounts audited annually by a Certified Public Accountant. In recent years the firm has been Phillips and Swanson, St. Paul, MN. Due to recent changes in reporting requirements by the American Institute of Certified Public Accountants for nonprofit organizations, the full audit has become extensive and has undergone changes in format. Consequently, only the Balance Sheet and Income and Expense Statement as of June 30, 1991, is being published in detail. Any member wishing a copy of the full audit may obtain one on request.

**The American Phytopathological Society
Balance Sheet
June 30, 1991
(with comparative totals for 1990)**

	Current Funds			Total All Funds	
	Unrestricted Undesignated	Restricted and Board Designated	Endowment Funds	1991	1990
Assets					
Current Assets					
Cash	\$ 391,353	\$ 75,396	\$ 3,000	\$ 469,749	\$ 588,886
Accounts receivable	139,745	11,715	...	151,460	143,014
Interest receivable	1,133	25	...	1,158	100
Inventory	395,177	...	...	395,177	279,161
Prepaid expenses	38,455	...	...	38,455	74,580
Marketable securities	10,662	89,736	17,000	117,398	119,057
Total current assets	976,525	176,872	20,000	1,173,397	1,204,798
Property and Equipment, net of accumulated depreciation	630,575	...	...	630,575	657,404
Investments	...	25,200	...	25,200	21,000
Total Assets	\$1,607,100	\$202,072	\$20,000	\$1,829,172	\$1,883,202
Liabilities and Fund Balances					
Current Liabilities					
Accounts payable	\$ 141,511	\$ 2,391	\$...	\$ 143,902	\$ 95,179
Accrued pension expense	44,000	...	...	44,000	44,000
Accrued property taxes	25,052	...	...	25,052	15,668
Deferred revenues	711,645	...	...	711,645	725,751
Current portion of long-term debt	22,967	...	...	22,967	23,572
Total current liabilities	945,175	2,391	...	947,566	904,170
Long-Term Debt, net of current portion	143,458	...	...	143,458	228,367
Total liabilities	1,088,633	2,391	...	1,091,024	1,132,537
Fund Balances					
Unrestricted					
Undesignated	518,467	...	...	518,467	556,084
Board Designated	...	140,487	...	140,487	130,342
Restricted	...	59,194	...	59,194	44,239
Endowment	...	...	20,000	20,000	20,000
Total fund balances	518,467	199,681	20,000	738,148	750,665
Total Liabilities and Fund Balances	\$1,607,100	\$202,072	\$20,000	\$1,829,172	\$1,883,202

The American Phytopathological Society
Statement of Support, Revenue, Expenses, and Changes in Fund Balances
Year Ended June 30, 1991
(with comparative totals for 1990)

	Current Funds			Total All Funds	
	Unrestricted Undesignated	Restricted and Board Designated	Endowment Funds	1991	1990
Public Support and Revenue					
Public Support Contributions	...	\$ 15,915	...	\$ 15,915	\$ 44,763
Revenue					
Membership dues	\$ 426,675	\$...	\$...	\$ 426,675	\$ 391,882
Subscriptions	675,460	...	...	675,460	651,655
Reprints	86,768	...	...	86,768	67,389
Abstracts	34,630	...	...	34,630	34,678
Page charges	188,736	...	...	188,736	145,168
Back issues	17,745	...	...	17,745	32,233
Books	601,056	...	...	601,056	572,175
Color charges	32,072	...	...	32,072	15,523
Annual reviews	12,962	...	...	12,962	10,672
Annual meeting	225,927	...	...	225,927	205,203
Advertising	55,038	...	...	55,038	55,898
Investment income	32,255	12,468	...	44,723	44,751
Loss on sale of investments	...	...	...	...	(14,572)
Other	47,064	...	...	47,064	141,731
Total revenue	2,436,388	12,468	...	2,448,856	2,354,386
Total public support and revenue	2,436,388	28,383	...	2,464,771	2,399,149
Expenses					
Program services					
Annual meeting	184,793	...	...	184,793	192,326
Member services	226,806	3,151	...	229,957	205,191
Books	514,034	...	...	514,034	448,416
Journals	887,132	...	...	887,132	768,694
Total program services	1,812,765	3,151	...	1,815,916	1,614,627
Supporting services					
Management and general	658,981	2,391	...	661,372	657,844
Total expenses	2,471,746	5,542	...	2,477,288	2,272,471
Excess (Deficiency) of Public Support and Revenue Over Expenses	(35,358)	22,841	...	(12,517)	126,678
Fund Balances, beginning of year	556,084	174,581	20,000	750,665	682,897
Fund Transfers	(2,259)	2,259	...	...	(58,910)
Fund Balances, end of year	\$ 518,467	\$199,681	\$20,000	\$ 738,148	\$ 750,665

Report of the secretary. Membership as of June 30, 1991, was 4,552, which was a decrease of 25 compared to that of 1990. Membership by category was: regular, 3,259; student, 569; emeritus, 471; husband/wife, 78; spouse, 80; student/spouse, 8; sustaining associate, 58; life, 8; and group, 21.

There were 1,866 registrants at the annual meeting in St. Louis, with 75 contributed paper sessions containing 877 presentations. The following members died since the last meeting: Clyde C. Allison, Earle C. Blodgett, Edward M. Clark, Sachindra N. Dasgupta, Robert S. Dickey, L. V. Edgington, Harold Flor, W. R. Foster, Richard I. Francki, John F. Fulkerson, John R. Hansbrough, Clark E. Hartman, Francis O. Holmes, Arthur L. Hooker, Howard W. Johnson, John V. Leary, Kuo C. Lu, James A. Lyle, S. E. A. McCallan, Alfred W. Saettler, Shozo Takai, John F. Tuite, Ralph J. Venere, and N. H. White.

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 second year.—*Molly Niedbalski Cline*

REPORT OF THE APS FOUNDATION

The Foundation Executive Committee met on March 9, 1991, and its board of directors met on August 17 and 19, 1991. In

accordance with the constitution and bylaws of the Foundation, Bill G. Tweedy and George A. Zentmyer were elected to second 5-year terms as members of the board of directors, beginning on August 17, 1991. The following officers of the board were elected to 2-year terms beginning on August 19, 1991; Bill G. Tweedy, chairman; George A. Zentmyer, vice-chairman; and Ralph J. Green, secretary/treasurer.

Contributions to the Annual Giving Fund to date total \$63,143. Contributions to the Endowment Fund to date total \$194,693. Contributions to the Foundation, thus, total \$257,836.

Major contributions this year include a \$100,000 contribution made by John S. and Ann F. Niederhauser to establish the John S. and Ann F. Niederhauser Endowment Fund for studies on late blight of potato and its control, and a contribution of \$10,000 by the Monsanto Agricultural Company in support of the stated programs of the Foundation.

An operating budget of \$9,450, including \$4,000 for the 1992 Awards Program, was approved for 1991–1992. This budget limits Foundation administrative costs to 15% of the income from the Endowment Fund and to 7.5% of the Niederhauser Endowment Fund.

Three awards were made in 1991 as follows: International Programs Award to Dr. Judith Brown, Department of Plant Pathology, the University of Arizona, for a study of whitefly-trans-

mitted viruses, collaborative with Dr. Pedro Jorge of the Dominican Republic; Genesis Program Award to Dr. Gregory Gilbert, Department of Plant Pathology, University of Wisconsin, for studies on sapling tree mortality in the tropics; and Graduate Education Award to Richard Woodward, Department of Plant Pathology, the University of Minnesota, for a graduate student-sponsored symposium on "An Interdisciplinary Approach to Problems in World Agriculture."

The board continued its discussion of the wise investment of endowment funds at the highest possible rate of return. A decision on this matter and the investment of these funds will be made on or about October 1, 1991.

In the coming year highest priority again will be given to fund-raising activities for the Annual Giving and the Endowment funds. The fund-raising committee, chaired by Drs. Ed Kendrick and Dick Ford, will give priority to repeat contributions, to significantly increasing the number of contributors, and to the encouragement of gifts of significant amounts. An educational program in the area of trusts, bequests, etc., will be sponsored by the Emeritus Member Committee at the Emeritus Member Luncheon in Portland, OR.—James F. Tammen, chairman

REPORT OF THE OFFICE OF INTERNATIONAL PROGRAMS

The activities of the Office of International Programs (OIP) were reported to the Council at the annual meeting, and OIP conducted an Advisory Board and committee chairmen meeting on May 30 at AAAS headquarters in Washington, DC. An additional ad hoc meeting of OIP members was held in conjunction with the Caribbean Division meeting in San Jose, Costa Rica, on May 22.

The annual meeting in St. Louis on August 17 was well attended by Advisory Board and committee members. The new Advisory Board members are Anne Alvarez and Ta-Li Kuan. Joe Krausz and Paul Teng were reappointed for 3-year terms. Congratulations and thanks are extended to L. Apple and D. Thurston, who served on the board for two terms.

An OIP Discussion and Open Forum was an opportunity for dialogue with more than 150 APS members. The discussion on "International Employment and Service Opportunities" was introduced by C. C. Mundt. Discussion participants were R. E. Ford (academia); C. J. Gabriel (U.S. government); J. D. Froyd (industry); R. T. McMillan, Jr., R. A. Frederiksen, and J. R. Steadman (consulting); and G. L. Hartman (international agricultural research centers). The discussion was followed by an open forum where members were brought up-to-date on OIP activities, and international issues, ideas, and policies were discussed.

This was the third year for OIP to have a display booth, complete with posters, a video of CATIE, and a brochure describing OIP activities. The Tropical Plant Pathology Committee presented a display on rice blast, and special attention was given to the international agricultural research centers AVRDC and CATIE. There were also reports of OIP activities at the APS business meeting and at the Council meeting in St. Louis. OIP Operating Procedures have been modified with suggestions from the Advisory Board and the Council to reflect organizational changes.

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 a \$10,000 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 to AAAS for distribution to African libraries.

Professional Development: A new publication, "International

Guide to APS Resources in Plant Pathology," edited by R. Nyvall, will include courses, programs, workshops, training aids, and volunteers for developing countries.

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 with the standing committees.

Projects: John Niederhauser has developed the Mexican *Phytophthora infestans* project, which serves as a pilot project for administration and accounting through the APS Foundation. Funding is based on the John and Ann Niederhauser endowment.

Liaison: Lawrence Apple and David Thurston cochaired this large committee and coordinate its activities among OIP members. Some activities of the liaison subcommittees are: Academic Institutions—Apple has established academic institution representatives to facilitate OIP objectives; Banks—Ernie Imle and Ben Waite are maintaining contacts with the World Bank and Inter-American Development Bank; Industry—Jim Froyd and committee members are developing a program for pesticide safety training in the tropics; International Agricultural Research Centers—Waite organized the third OIP booth presentation of two centers; Private Volunteer Organizations—Bill Brown is collaborating with the Peace Corps to involve more APS members.

OIP encourages APS members to get involved in personal cooperative activities to share resources with scientists in developing countries as "International Science 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 prices below that 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, to provide service to APS members and readers beyond that provided by commercial and institutional publishers, and to contribute to the financial objectives of APS.

APS Press published 11 new books and seven slide sets during FY91. Agreements have been signed for publication of 33 additional books. APS Press sold 28,606 books during FY91, including 18,657 compendia, 370 symposia, 133 monographs, 297 classics, 2,102 plant health management, and 7,047 other books (includes nonseries titles, proceedings, and "Biological and Cultural Tests"). During FY91 the gross income was \$632,306 and direct expenses were \$515,358, for a net income of \$116,948 (not adjusted for overhead). Although APS Press's growth rate was 6.6% over income received during FY90, income was \$45,984 less than budgeted to the Society for FY91. Nevertheless, gross income for FY91 represented another record year for APS Press.

APS Press expects to publish 13 new books and five new slide sets during FY92 and has budgeted the sale of 32,427 books and 387 slide sets. If this goal is accomplished, APS Press will produce a gross income of \$827,444 and a contribution of \$217,444 to the Society in FY92. This budget objective by APS Press represents 30% of all income for the Society.

Two new senior editors were appointed by Council to the eight-member APS Press Editorial Board. Their 3-year terms became effective at the APS annual meeting in St. Louis. Drs. Jacqueline Fletcher and Raymond Hammerschmidt were appointed to vacancies left by the completion of 3-year terms by Drs. Michele Heath and Patrick Fenn. Continuing as senior editors are Drs. Kenneth Barker, Edward Brown, Rose Gergerich, Kurt Leonard, Joyce Loper, and Allison Tally. Council also appointed Dr. Gail Schumann to replace Dr. Edward Brown, effective at the APS annual meeting in Portland in 1992.

Dr. Steven Slack became the third editor-in-chief of APS Press at the annual meeting in St. Louis. He was preceded by Drs. George Agrios (1984–1987) and Richard Smiley (1987–1991). Dr. Slack previously served as senior editor (1984–1987) and editor-

in-chief-elect (1990–1991).

APS Press would not be successful without the superb support and leadership from the administrative, editorial, and marketing staffs at APS headquarters; the subject matter skills and dedication of the contributing book authors and editors and the APS Press senior editors; and the support and guidance of APS Press's consumer audiences and commercial contributors. All participants in this publication process are truly appreciated.—*Richard W. Smiley*, immediate past editor-in-chief

APS Press committees report the follows:

Phytopathological Classics. Participants in the annual meeting were D. W. Fulbright (chairman), T. D. Murray (vice-chairman), J. E. Loper, and K. J. Leonard. The committee determined that a proposal will be made for APS Press to publish a collection of original papers in subject matter areas. The first will be on *Agrobacterium*, for which a prototype was evaluated at the meeting. It was also suggested that a proposal be sent for translating the book by Kuhn. Over 25% of this translation is now complete. The committee also discussed the possibility of translating early papers on nematodes.—*Dennis Fulbright*, chairman

Illustrations of Plant Pathogens and Diseases. Participants in the annual meeting were J. F. Hadden, J. M. Ogawa, J. W. Pscheidt, A. C. Schilder, and G. L. Schumann (vice-chairman). Schumann led the meeting with little prior notice, in view of Chairman E. A. Brown's necessity to cancel his plan to attend. Therefore, less than the usual amount of business was considered. J. E. Loper submitted a biocontrol slide set for review by the committee. Members agreed to solicit additional slide sets for publication by APS Press. The committee will also investigate the potential for producing posters of diseases and/or pathogens—*Gail Schumann*, vice-chairman

Biological and Cultural Tests. Participants at the annual meeting were D. S. Wysong (editor), W. Wilcox, N. A. Tisserat, J. E. Loper, L. E. Datnoff, W. H. Elmer, P. M. Phipps, D. Daigle, Y. Yun-Hyun, L. P. Hart, P. R. Bristow, D. Sugar, J. B. Ristaino, C. H. Canaday, and M. Wimer. Manuscript publication procedures for Volume 6 were reviewed and problems associated with the policy for acceptance or rejection were debated. The "Guidelines for Preparing Reports" for Volume 7 were discussed and found to be acceptable for continuation with minor modification. Special concern centered upon reports containing nonreplicated treatments and data sets that do not lend themselves to standard statistical analysis. Several sections were merged into a new "Fruits and Nuts" section. Nominations of section editors were taken for four vacant positions. A financial report indicated that the journal has now become profitable for APS Press—*David Wysong*, editor

Editor-in-chief of Molecular Plant-Microbe Interactions. *MPMI* is in its fourth year of publication and continues to show improvements in all aspects of its operation. Compared with the previous year, the number of articles received and the number of articles published in 1990–1991 increased by 35% and 40%, respectively. The high quality of the articles published and the prestige of the investigators who have chosen *MPMI* for publication of their research are reassuring.

In the past year, 110 articles were received for publication and 74 articles were published in six issues. Of these articles, 35% were in the area of procaryote pathology, 26% in virus-plant interactions, 20% in procaryote symbiosis, and 19% in fungal-plant interactions. Eight articles were current reviews. Fifty percent of all articles were from abroad. The rejection rate was 30%, including articles that were withdrawn for reasons other than technical merit. The time lapse between submission and acceptance, and between acceptance and publication, was 2.9 and 2.6 mo, respectively. These figures represent considerable improvements over the corresponding figures for the previous year (3.2 and 3.6 mo) and are the result of outstanding efforts by the senior editors and by the editorial staff at headquarters to improve efficiency of publication. The Editorial Board has suggested improvements in journal format, which are being considered, and

has retained monthly publication as a high priority objective for 1992.

The financial picture for *MPMI* continues to improve as well. There are currently about 1,300 subscribers. The initial investment for start-up costs has been amortized and the journal is in the black. This is a landmark event for *MPMI* and there is every reason to expect that the journal will contribute its share to indirect costs as well as to other Society operations. The initial success of the journal would not have been possible without a lot of hard work from the senior editors and from the editorial and marketing staffs at APS headquarters. The scientific contributions and editorial assistance from members of the International Society for Molecular Plant-Microbe Interactions (IS-MPMI) have been essential in getting the journal off the ground. It is unfortunate that the problem of sharing financial responsibilities for the journal between APS and IS-MPMI has not been resolved. Discussions on this matter are continuing and there is every reason to believe that an agreement will be reached now that IS-MPMI is firmly established as a professional society.

This is my last report to Council on *MPMI*. Dr. Fred Ausubel will be the new editor-in-chief beginning January 1, 1992. I appreciate the support that I have received from Council during the past 3 years. My job has been made a great deal easier by the excellent help that I have received from the APS staff, and particularly from Ray Tarleton, Vera Baker, Cathy Balogh, Ina Pfefer, Jean Rice, and Miles Wimer.—*Luis Sequeira*

Editor-in-chief of Phytopathology. *Papers published.* During the period July 1, 1990, to June 30, 1991, *Phytopathology* published 247 research papers with an average length of 5.4 pages (Table 1). This is an increase of 24% over 1989–1990, but less than for 1987–1988. Published were five letters to the editor (15 pages), 14 obituaries (14 pages), one symposium (six articles), and 1,073 abstracts (157 pages). The number of abstracts was a 19% increase over 1989–1990.

Of the research articles published, 22% were submitted by foreign contributors. Foreign contributions were from the following countries: Argentina (2), Australia (3), Brazil (1), Canada (17), Colombia (1), Dominican Republic (1), France (1), India (1), Israel (6), Japan (4), Netherlands (5), Philippines (2), South Africa (4), South Australia (1), Spain (2), Taiwan (2), and West Germany (3). Eighty-one percent of accepted articles were in a form suitable for electronic processing.

In 1990, 1,626 pages were published, a 23% increase over 1989. Research articles accounted for 1,318 pages. In addition to abstracts, letters to the editor, and obituaries, the remaining pages included: Acknowledgment of Reviewers (3 pages), Author's Guide (3 pages), Annual Report (29 pages), Awards (15 pages), listing of Officers, Staff, and Committees (3 pages), Contents (21 pages), Index (21 pages), Publisher's Statement (1 page), and other unnumbered pages.

Manuscripts submitted. During 1990–1991, 393 manuscripts were submitted to *Phytopathology*. This represents a 17% increase over 1989–1990, but only a 3.4% increase over 1987–1988. Submissions are close to the 6-yr average. Only 59% of the articles were accepted for publication, lower than the acceptance rate

TABLE 1. Publication data for *Phytopathology*

	Fiscal year				
	1986– 1987	1987– 1988	1988– 1989	1989– 1990	1990– 1991
Manuscripts published					
Articles	299	279	258	199	247
Abstracts	942	911	946	905	1,073
Total pages	1,760	1,744	1,572	1,326	1,626
Article length	5.0	5.3	5.2	5.2	5.4
Manuscripts submitted					
Total	420	380	358	335	393
Acceptance rate	69%	65%	66%	64%	59%
Publication time (days)	237	219	197	185	134

for the last 3 to 4 yr. The two main reasons for rejection are poor expression and insufficient repetition of the experiments.

Editorial processing. The handling of a submitted manuscript (for the first 6 months of 1991) at the editorial office and by the editor-in-chief averaged 7.4 days. It required an average of 36 days from the time the editor-in-chief mailed a manuscript to reviewers until the senior editor received both reviews. The average time for editing manuscripts by senior editors was 8 days. On average, authors are notified of the disposition of a manuscript within 8 wk after submission. Authors took an average of 53 days to revise and return their manuscripts to the senior editor. Final editing by senior editors prior to acceptance took an average of 3.3 days. Total average time from submission to acceptance averaged 108 days. Time from acceptance to publication averaged 134 days. This is a reduction of 38% from 1987–1988.

Editorial board. The editorial board of *Phytopathology* consists of the editor-in-chief, six senior editors, and 30 associate editors. The new 3-yr term for senior editors began December 1, 1990. New senior editors are: Bob Seem (epidemiology), Steve Shafer (soilborne pathogens and air pollution), David Marshall (resistance and fungal genetics), and Dennis Gross (physiology and molecular biology). Two senior editors from the last board, Tom Carroll (virology) and Mary Powelson (bacteria and soilborne pathogens), are continuing. Dr. Carroll is retiring from the board on December 1, 1991. Jim Moyer has agreed to serve as the senior editor for virology for 1992–1993.

In October 1990, the senior editors and the editor-in-chief met with Miles Wimer, director of publications, and Jean Rice, editorial supervisor, at APS headquarters in St. Paul. At the meeting, new senior editors learned about editorial and technical procedures for *Phytopathology*. Editors also discussed a wide range of policy issues related to publication of the journal. Only minor

changes were made in the appearance of the journal. Details were presented in *Phytopathology News*. The board is excited by the reorganization of the publications section of APS. Processing and editing of manuscripts in St. Paul occurs more rapidly and the quality of the journal remains high.

Four senior editors finished their official terms in 1990. They are Steve Pueppke, Earl Ruppel, Jim Groth, and Larry Madden. Associate editors who finished their terms in 1991 are Martin Carson, Bob Davis, Tim Denny, Len Francel, R. Gitaitis, Martha Hawes, Chuji Hiruki, Ken Johnson, Steve Lommel, Dave Smith, and Bob Spotts. I would like to thank these individuals for their service to the journal, the Society, and the science of plant pathology.

Finally, I want to thank Mike Benson for his contributions to *Phytopathology* during 1987–1990. He continued a long tradition of excellent leadership of this prestigious journal. During his tenure, the efficiency of editorial processing improved tremendously. His author survey also helped us evaluate and refine editorial procedures.—*Laurence V. Madden*

Editor-in-chief of *Plant Disease*. *Plant Disease* was published on time throughout fiscal year 1990–1991 and the backlog of accepted manuscripts was reduced to a near normal level. This reduction caused the number of pages printed to increase 30% over 1989–1990 and 10% over the average of 1985–1989. The interval from acceptance to publication is now 6 mo, which is 1 mo longer than the target interval.

The numbers of research manuscripts received and accepted (383 and 275, respectively) were up 4.6% and 15%, respectively, from 1989–1990. The apparent acceptance rate was 72%.

For Disease Notes, 103 manuscripts were received and 87 were accepted. The apparent acceptance rate was 84%. Authors in foreign countries contributed 21% of the research manuscripts. The proportion of accepted manuscripts prepared for electronic processing rose slightly to 72%. Subscriptions declined 3.4% to 4,325, continuing a long-term downward trend. The diverging trends in manuscript publishing and subscriptions during the last 2 yr have caused *Plant Disease* to be a problem in the APS budget.

TABLE 1. Scientific matter published in *Plant Disease*, July 1990–June 1991

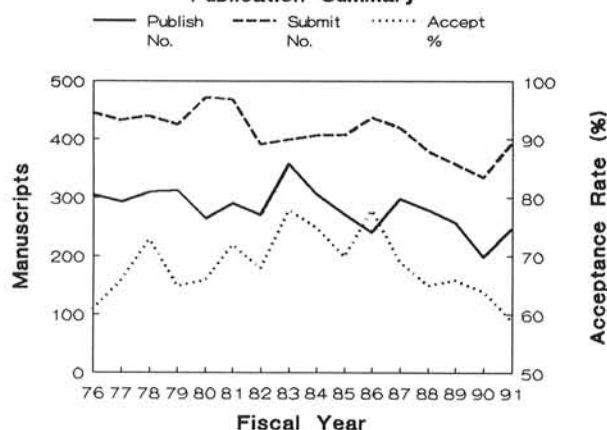
Type of item	Number published	Total pages
Focus	12	12
Editorials	4	4
Features	11	66.5
Research articles	253	991
New Diseases & Epidemics	11	38
Special Topics	4	11
Disease Notes	75	13.5
Errata	1	0.5
Total numbered pages	1	1,248

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

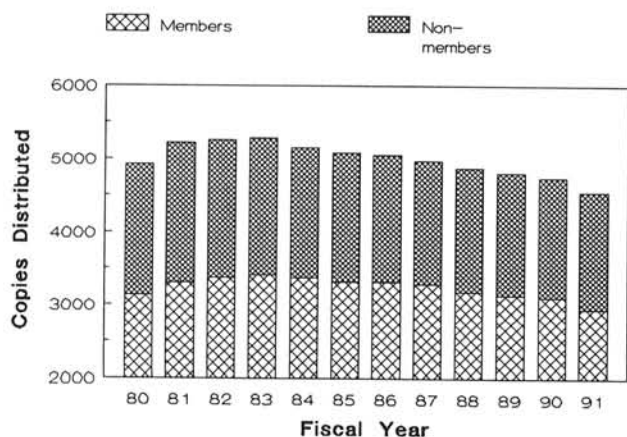
Editor of *Phytopathology News*. In the period July 1990 through June 1991, *Phytopathology News* averaged 15.6 pages per issue for a total of 188 printed pages. During this period 72 articles, 26 meeting reports, 9 reports on APS divisional meetings, 3 Council's Column, 6 Committee Comments, 3 APS Foundation articles, 3 Office of International Programs articles, 5.1 pages of Contributors to APS Foundation, 12 Editor's Corner, 26 book reviews, 1 CAST report, 11 AIBS Washington Scene, 208 People items, 98 placement announcements (18.1 pages), 4 classified advertisements, and 4.7 pages of APS Press advertisements were published. Placement announcements and advertisements accounted for 11.8% of the published material.

The 1990 editorial committee consisted of Cleo D'Arcy on feature articles and Committee Comments; Carol E. Windels,

Phytopathology Publication Summary



Subscription Summary



division news and reports of meetings and workshops; Gail Schumann, teaching and educational items; Laurence D. Moore, editor emeritus; Miles Wimer, APS headquarters liaison; and C. Lee Campbell, Editor's Corner and Bookshelf. Staff editors were Susan Casey and Moira Palumbo, who deserve special thanks for their work.

For 1990-1991, Schumann, Wimer and Campbell will continue to serve on the committee. D'Arcy will be replaced by Mary Powelson, incoming councilor-at-large, and Windels will be replaced by Robert Nyvall. Larry Moore's term on the committee is complete, but he deserves a special note of thanks from the committee and APS for his service to *Phytopathology News*.—*C. Lee Campbell*

REPORTS OF REPRESENTATIVES

APS representative to the American Institute of Biological Sciences. One of the most successful programs for bringing knowledgeable scientists into direct working contact with legislative activities in Washington is the AIBS Congressional Fellowship Program. Over the past several years AIBS has sponsored or cosponsored six congressional fellows. Moreover, several societies, including the American Society of Plant Physiologists and the American Society of Agronomy, are now sponsoring their own fellows. This year AIBS and the American Society of Zoologists are cosponsoring Rosemarie S. Gnam. Dr. Gnam, who has a Ph.D. from the City University of New York, is particularly interested in issues related to biological diversity.

With the support of NSF, EPA, NIH, and the Smithsonian Institution, AIBS has initiated an annual series of career promotion opportunities for minority students. In 1990 a program was held for African Americans and in 1991 the focus was on Hispanic Americans. Programs for Pacific and Native Americans will be held in 1992 and 1993, respectively.

The theme of the 42nd AIBS annual meeting, which was held in San Antonio, TX, was "Education: The Future." Sessions were held on topics such as "Teaching Botany Through Inquiry," "Model Open Laboratory," "Environmental Education," "Improving the Quality of Undergraduate Biology Education," and "Computers and Other Technologies for Bioeducation." Thirteen professional organizations participated in the annual meeting.

Special issues of *BioScience*, the AIBS journal, were again published in 1990-1991. Themes included "Marine Biological Diversity," "Coastal Barriers," and "Ecosystems Science for the Future."

At the annual meeting of the AIBS Council, Council members visited members of congress concerning the 1990 Farm Bill, the Higher Education Act, and the Endangered Species Act. AIBS is a member of two coalitions (COFARM and CARAFE) that are working to ensure that adequate money is appropriated to support scientific research. AIBS presented testimony concerning the 1990 Farm Bill and support for basic agricultural research before the congressional committees.

Plant pathologist John S. Niederhauser is the winner of the 1991 AIBS Distinguish Service Award. Dr. Niederhauser was chosen for his long and distinguished career in international agriculture, particularly in the areas of research, food production, and cooperative development. The award was presented to Dr. Niederhauser during the 42nd annual meeting.—*Laurence D. Moore*

APS representative to the American Type Culture Collection. ATCC continues to flourish under the able leadership of Dr. Robert E. Stevenson. Dr. Richard Roblin has been appointed as associate director for science.

ATCC shares problems such as staff turnover, salary adjustments, and personnel issues, which are particular problems in the Washington, DC, area, but the staff copes well in minimizing these adversities.

A major concern continues to be its future location. Current facilities are limiting and will not permit full implementation of

future plans. Options include moving to a university-industrial park setting, leasing current facilities to another agency, and a possible location in Beltsville under a long-term lease. Negotiations regarding possible building and locating in Beltsville are still in progress, with other options open.

The Science and Collections committees and various advisory committees are active. The advisory committees are particularly important in reviewing department activities and for providing pertinent recommendations in the form of an action plan. If you have interest in a particular collection, serving on an advisory committee offers an opportunity to be an integral part of specific collection activities.

Several staff members at ATCC have offered key assistance in attempts to ease permit requirements by APHIS for movement of cultures of viruses, bacteria, and fungi. It was encouraging to see the positive interaction with APHIS at the APS annual meeting, and there seems to be real progress in this area of concern.—*W. M. Dowler*

APS representative to the Biological Stain Commission. The main function of the commission is the testing and certification of dye batches used for biological applications. The commission serves as an intermediary between scientists (or their scientific societies) and the companies that produce dyes. If any problems are encountered by the user with dyes, with regard to specificity or purity, the commission is available to help resolve the problem of a certified dye. A more detailed description of the commission, its goals, and its history can be found in "Stain Technology" 55:1-7 (1980).

The commission met on June 7 in Rochester, NY. The session centered on the following presentations: "Biological dyes: Synthesis, analysis, quality assurance and regulations" by Dr. T. W. Wickersham, Aldrich Chemical Company; "Fixation for the 1990s: A review of needs and accomplishments" by Dr. R. W. Dapson, Anatech, LTD; and "Embedding media for light and electron microscopy" by Dr. B. D. Halpern, Polysciences, Inc.

A special forum was presented by Dr. Clive Taylor, Department of Pathology, University of Southern California, on the "Immunocytochemical quality control program." The commission has been instrumental in defining the need for a standardization of immunocytochemical reagents. It was noted that Anatech has published a book, "Hazardous Chemicals in the Histopathology Laboratory," that is available for \$40. This was followed by reports from the commission officers in which details were provided regarding the number of dyes lots certified (137 [15, 529 lbs]) for 1990, as well as the status of manuscripts submitted to *Biotechnic and Histochemistry* (formerly *Stain Technology*).—*Harvey C. Hoch*

APS representatives to the Council for Agriculture Science and Technology. CAST continues to be a dependable source of scientific information. Information on agricultural issues of significance concerning food safety, water quality, and environmental protection is useful to Congress and the public. The financial support of APS and 28 other scientific societies, 13 smaller associate societies, and a number of nonprofit associations and state commodity groups enables CAST to respond rapidly to requests from Congress and provides an unbiased voice that addresses agricultural issues of national interest.

Of significance was a task force report, released in September 1990, on the "Ecological Impacts of Federal Conservation and Cropland Reduction Programs." Additionally, "Comments from CAST," written by one or more authors, provided information on "Pesticides and Safety of Fruits and Vegetables" (December 1990) and on "Herbicide-Resistant Crops" (May 1991). Two issues of *Science of Food and Agriculture*, representing the CAST commitment to the future of agriculture, were released free of charge during the 1990-1991 school year to 16,000 high school science departments and 7,000 FFA chapters nationally.

Six additional publications are being prepared for release in 1991. They include "Food Fats and Health," "Quality of U.S.

Agricultural Products," "Risks Associated with Foodborne Pathogens," "Risk/Benefit Assessment of Antibiotics Use in Animals," "Waste Management and Utilization in Food Production and Processing," and "Water Quality: Agriculture's Role."

In response to a number of pertinent issues, the CAST board of directors, at its annual meeting in February 1991, approved the following for publication in 1992: "Agriculture and Global Climate Change," "Contribution of Animal Products to Healthful Diets," "Integrated Animal Waste Management," "Minor Use Pesticide Registration: Problems and Solutions," "Public Perceptions of Agricultural Drugs and Chemicals," "Relationship of Value-Added Activities on Agricultural Products and the U.S. Trade Balance," "Risk/Benefit Assessment of Agricultural Chemicals," and "The Impact of Alternative Agricultural Practices on the Environment." These publications are being prepared and will be released within a few months.

Because of its commitment to better serve the needs of agriculture, CAST is continuing its effort to effectively communicate to its 3,500 members and the various committee chairmen of the supporting scientific societies. As in the past, CAST is interested in the concerns of APS and remains open to suggestions from its members. It is continually seeking nominees to serve on task forces or other CAST activities.

Because of its financial commitments and needs, CAST would like to expand its membership and has asked that individuals in member societies seriously consider membership in CAST. Information on individual memberships (\$30) for 1992 can be obtained from the APS representatives or by contacting CAST, 137 Lynn Avenue, Ames, IA 50010-7197; 515/292-2125.—*Kenneth D. Hickey and Gary A. McIntyre*

APS representative to the International Society of Arboriculture. The International Society of Arboriculture held its 67th annual conference August 11–14 in Philadelphia, PA. The meeting had a record attendance of 1,350.

Four speakers discussed the methods for identifying tree defects and evaluated their significance in tree failure. Plant pathologist Dr. R. Jay Stipes of Virginia Polytechnic Institute and State University received the international award for arboricultural research.

The 1992 meeting will be held August 9–12 in Oakland, CA.—*Dan Neely*

APS representative to the International Society for Plant Pathology. The main item of business was a report from President Jim Cook, who convened the Executive Committee of ISPP, held August 1–3 in Montreal, Canada. The Executive Committee met with the Program Committee of the International Congress of Plant Pathology. Those in attendance were Kurt Leonard, Jim Cook, John Lockwood and R. E. Ford.

The program plans for the 6th International Congress of Plant Pathology, to be held in Montreal July 28–August 6, 1993, is evolving nicely. Twenty-five symposia will occur during the mornings. Discussions will occur around posters in the afternoons.

The Canadian Phytopathological Society donated \$10,000, and ISPP donated \$10,000 as seed money to encourage donors to contribute, hopefully up to \$200,000, to enable ISPP to bring people from underdeveloped countries to this congress. The Canadians will pay for travel separately from the money that is donated.

Two new committees have been established, Genetics and Breeding for Disease Resistance and Molecular Plant Pathology and Biotechnology. President Cook indicated that the mail ballots were unanimous, minus one, to change the bylaws on the way elections are held. He indicated that the bylaws need also to include the word "treasurer."

President Cook has appointed a Nominating Committee to seek nominations for president, secretary general, and vice-president. The treasurer is an appointed position. He encouraged the committee to make suggestions on how to better use the ISPP council.—*R. E. Ford*

APS representative to the U.S. National Committee of the International Union of Microbiological Societies. USNC/IUMS met in Washington, DC, on January 11, 1991, at the National Academy of Sciences. Complete minutes of the meeting are available.

At its general assembly, held in Berlin in 1990, several events of interest to plant pathologists were held and decisions of interest were made, including the establishment of new commissions by the Division of Mycology, namely, the International Commission on *Penicillium* and *Aspergillus* and the International Commission on Mycotoxicology, which has merged with a similar committee in the International Society for Plant Pathology.

The 9th International Congress of Virology will be held in Glasgow in 1993 and the 10th International Congress of Virology will be held in Jerusalem in 1996. The next International Congresses of Bacteriology and Mycology will be held in Prague in 1994.

The Division of Virology met for the first time in conjunction with an International Congress of Virology; the Congress attracted about 5,000 participants. *Intervirology* ceased to be the official journal of the division and was replaced by *Archives of Virology*.

The general assembly adopted three resolutions, submitted by the U.S. Committee for Microbiology, which are being considered by the new executive board. In edited form, they are:

- **Resolution 1.** IUMS should support and participate in efforts made by CODATA to convene a meeting on problems with biological terminology (e.g., plasmids).
- **Resolution 2.** IUMS should, with other ICSU bodies, convene an international conference on the quality and availability of microbiological resources, particularly development and publication of international standards for culture collections.
- **Resolution 3.** IUMS should urge the preparation of internationally agreed upon guidelines for the introduction of genetically modified organisms into the environment. The latter resolution is particularly applicable to countries that currently do not have mechanisms to assess risk and take action upon requests for "release."

Divisions of IUMS have been given greater autonomy. The Bacteriology Division has changed its name to the Division of Bacteriology and Applied Microbiology as this description seems more appropriate for the discipline. The executive board placed particular emphasis on education geared to developing nations.—*Anne K. Vidaver*

APS representative to the National Research Board on Agriculture. The APS representative was chairman of the Organizing Committee for the meeting with the Board on Agriculture. Ray Tarleton and O. W. Barnett attended this meeting at the National Academy of Sciences on April 17–18 on behalf of APS. There were 55 representatives in attendance from 35 of 60 scientific societies related to agriculture and the environment. The Board on Agriculture was discussed.

Dr. Charles Hess, assistant secretary for science and education, USDA, spoke to the group. Dr. Neville Clark discussed the Coalition for Advancement of Research on Agriculture, Food, and Environment (CARAFE), and Bob Zimbleman discussed the Coalition on Funding Agricultural Research Missions (COFARM). APS is a member of COFARM. Both coalitions are working to improve funding for the National Research Initiative and are advocating that for FY92 the National Research Initiative be funded at \$200 million.

Registry and certification of professionals was discussed by Thomas J. Hall of the American Society of Agronomy's American Registry of Certified Practitioners. He proposes registration with a good educational component rather than regulation for developing good management practice.

The six current congressional fellows spoke to the group. They would like more scientists to visit congressional offices to discuss matters relating to agriculture and science, rather than showing up only to ask for more money.

Two issues that will probably be discussed next year are the environment and society and the land-grant university system. This is an organization that can give APS ideas about the political situation in Washington and will help APS begin to have more input into the Washington scene.—O. W. Barnett

REPORTS OF STANDING COMMITTEES

Society Internal Relations

Archives Committee. The committee met in conjunction with the APS annual meeting in St. Louis, MO. Members present were Craig Canaday (chairman), Estelle Hrabak (vice-chairman), Stan Jensen, Paul Shefelbine, Rennie Stavely, Sue Cohen, Jim Lorbeer, Charlie Martinson, and C. Lee Campbell (*ex-officio*).

Canaday reviewed the correspondence and activities of the previous year. Doug Jardine approached the Council following the 1990 committee meeting to request funds for filing the backlog of materials submitted to the APS Archives Collection at Iowa State University. At its midyear meeting, Council voted to provide the Iowa State University library with \$1,100, to be used towards cataloguing and processing of the APS archives collection. In view of this contribution and other factors, travel funds for Dr. Stanley Yates, curator of the Department of Special Collections at Iowa State University, to attend the St. Louis meeting were not requested from Council.

The Department of Plant Pathology at the University of Missouri was contacted to prepare a display that chronicled the history of the department for the 1991 annual meeting. Department members Dan Millikan, Tom Wyllie, Art Karr, Anton Novacky, and Steve Pueppke collaborated to prepare an informative and enjoyable display.

Campbell and Shefelbine reported that their article for *Phytopathology News*, which describes the importance of the APS archives and appropriate materials for submission, was still in preparation.

Incoming committee members Sue Cohen, Jim Lorbeer, Charlie Martinson, and Ben Waite were welcomed to the committee. The committee now has representatives from all APS divisions.

The APS committee survey conducted by Cleora D'Arcy raised several questions about the function and configuration of the committee. After discussing several optional configurations (e.g., a single APS archivist, a smaller committee, or a committee comprised of divisional archivists), it was the consensus of the members present that the committee remain as is. However, a change in the term of the chairmanship from 1 to 2 years (or 3 years, when possible) was unanimously adopted. This change preserved the diverse representation possible with the current committee configuration, while bestowing some of the benefits of having a single APS archivist (e.g., continuity and experience). It was then unanimously decided that the term of the current committee chairman be extended for another year. Hrabak, who may be unable to attend both the 1992 and 1993 APS meetings, volunteered to step down as vice-chairman. She will maintain her membership on the committee for another year, however. Shefelbine volunteered to be the new vice-chairman. He will assume the chairmanship following the end of the 1992 APS annual meeting and will serve as chairman for at least 2 years.

In other business, the committee chairman was asked to contact Stella Coakley, head of the Department of Botany and Plant Pathology at Oregon State University, to encourage the department to prepare a display that chronicles that department's history for the 1992 Portland meeting.

A letter describing appropriate materials for the APS archives will also be developed and sent to plant pathology departments and to retiring plant pathologists listed in *Phytopathology News*. Campbell reported that the first historical feature article for *Plant Disease* was nearly ready for submission. The article, developed by Campbell, Paul Peterson, and Clay Griffith, will describe the first late blight epidemic in the United States and the achievements of Teschemacher, a pioneering plant pathologist. Initiation of a series of historical feature articles for *Plant Disease* was given

tentative approval by the *Plant Disease* editorial board, pending an extensive review of its first submission and its general acceptance by reviewers.

Campbell also reported that, as time and space permits, *Phytopathology News* will include as an irregular feature a series of short articles that highlight important moments in the history of APS.

The committee sincerely appreciates the contributions of outgoing member Jardine.—Craig H. Canaday

Awards and Honors Committee. The committee met on February 9 and 10, 1991, at the Marriott Courtyard Hotel, Mendota Heights, MN. Action was taken as follows:

Fellows selected from 45 active and 6 emeriti members nominated were: S. Bartnicki-Garcia, M. K. Beute, I. Chet, R. H. Converse, R. E. Ford, D. Gonsalves, R. S. Hussey, A. O. Jackson, Y. Katan, N. Keen, E. W. Kitajima, D. P. Maxwell, and D. A. Slack.

Chosen for the Ruth Allen Award from eight nominations of individuals and groups was G. E. Templeton; for the Ciba-Geigy Award from nine nominees was M. Daub; for the Extension Award from five nominees was M. Shurtleff; for the Lee M. Hutchins Award from six nominations of individuals and groups were R. C. Pearson and D. Gadoury; and for the Distinguished Service Award was R. J. Tarleton. There were two nominees for the Teaching Award and one for the Award of Distinction, but none were selected.—Anne Vidaver

Committee on Committees. Appointments of 2–6 members were made to 42 standing committees. Graduate students were selected for appointment to the Graduate Student Committee from lists of nominees generated last year by division councilors. In the future, nominees for this committee will come from the three usual sources: the committee, self-nominations, and department/laboratory leaders.

The Emeritus Committee has requested that it be removed from standing committee status. A survey form was sent to 42 committee chairmen in January and 40 forms (95%) were returned. Most chairmen (35) responded that their committees had well-defined functions that did not significantly overlap with those of other committees. All but one chairman perceived their committee as currently fulfilling a function necessary to the Society. Most chairmen (38) had adequate access to APS leadership. Several chairmen (7) considered the current size of their committee to be either too small or too large. Thirty-six of the 40 chairmen recommended that their committee be kept as is; four chairmen felt that a change in committee structure should be considered.

An editorial was written for *Phytopathology News* describing the committee appointment process for 1990–1991.—Cleora J. D'Arcy

Meeting Site Selection Committee. After considering several sites, the committee selected Indianapolis, IN, as the location for the 1996 annual meeting, to be held July 27–31.

Meeting sites and dates already planned include August 8–12, 1992, Portland, OR; November 7–11, 1993, Nashville, TN; August 6–10, 1994, Albuquerque, NM; and August 12–16, 1995, Pittsburgh, PA.

The 1997 meeting will be held in conjunction with the Canadian Phytopathological Society, probably in western Canada.—Randall C. Rowe

Membership Committee. *Current membership totals.* As of August 1, 1991, membership in the Society totals 4,550, a decrease of 37 (0.8%) from 1 year ago. Student members total 557, a decrease from 595 in 1990 and from 628 in 1989. Students now make up 12% of the membership.

Membership promotion activities. The mailing to departments generated the names of 1,037 potential members. Thus far, 48 (4.6%) new members have joined.

APS will exhibit at the International Society for Plant Molecu-

lar Biology in Tucson in October 1991. Efforts will be made to sign up new members with the *Molecular Plant-Microbe Interactions* option or to get subscriptions to *MPMI*.

Nonmembers attending the St. Louis meeting will be invited to join when they register by offering a reduced registration fee. They will also be sent invitations to join after the meeting.

Membership renewals. A five-step renewal program will be implemented in October and November. Two billings will be sent. If there is no response the member will be X'd. Three packages will then be sent, at monthly intervals, to encourage the member to renew. Each will be different.

In addition, the last journal the member is scheduled to receive will be marked **LAST ISSUE** on the outside of the envelope. Members will no longer be sent the 13th issue.—*Sue Tolin and Greg Grahek*

Nominating Committee. Call for nominations from the membership was sent out by APS staff in December with a return deadline in early March. A list of all nominees and number of votes was prepared by staff.

The committee met at the midyear Council meeting on March 8 and rank-ordered nominees for each office. Following APS procedure, the person receiving the most votes for each office is nominated as one candidate and is contacted by the intermediate councilor-at-large prior to the meeting; each agreed to accept the nomination. The committee rank-ordered other candidates for the second nominee.

After this meeting, nominees were contacted by the intermediate councilor-at-large in rank order until two agreed to be candidates. 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 2 voting deadline and all candidates were informed of the election results by July 16. A total of 1,289 votes were cast for vice-president and 1,278 for councilor-at-large.

New officers elected for 1991–1992 are: Vice President Cleora J. D'Arcy and Councilor-at-Large Mary L. Powelson.—*Sue Tolin*

Placement Committee. Dotty Ginsburg of APS headquarters reports that the Placement Service processed 216 employer registrations and 186 candidate resumé, which was a slight reduction from the previous year.

A proposal was made at last year's meeting to publish salary information by division. The objective was to provide job seekers with information on pay ranges and expectations. Mark Boudreau gathered the information, which was available from the annual department chairmen's survey. However, the information was inconsistent and not representative. Boudreau will follow up and discuss ways of improving the accuracy of the information with Dr. Stella Coakley, department head at Oregon State University, who will revise the survey. To increase the scope of the salary information, Steve Alderman will send Boudreau information on government pay scales and salary surveys of educational institutions published elsewhere, and Mike Klopmeier and Allison Tally will provide information on industry.

Arv Grybauskas, who attended the committee chairmen's orientation meeting, expressed the need for coordination of proposed special sessions by the Program Committee. The committee withdrew its approved session for the St. Louis meeting on non-traditional job opportunities because two other committees had job-oriented sessions. The committee will prepare a "mission statement" so that other committees would be more aware of its function. Tally agreed to prepare a draft for the committee to review.

A discussion was held on future program topics. The committee proposes a basic job-seeking skills workshop every 2 to 3 years due to the turnover of students and the importance of this information. In other years, the committee proposes to consider topics on job opportunities that could be readily cosponsored with other interested committees. Proposed for the Portland meeting in 1992 is a colloquium on job-seeking skills and in 1993 a session on

nontraditional job opportunities.

The committee has been asked to review the brochure entitled "You choose your staff wisely" and to make a recommendation on whether to update and reprint it. Ginsburg will send copies to the committee members for consideration.

Outgoing 1991 members are Eva Hecht-Poinar, Karen Kackley, James Berry, and David Smith. Also, Mark Ricker has left the Society and has asked to be removed from the committee. Incoming 1992 members are Mike Klopmeier, Albert Culbreath, Charles Orth, and Sue Cohen. Nominations for 1993 members should be forwarded to either Grybauskas or Sue Tolin.—*Allison Tally and Arv Grybauskas*

Sustaining Associates Committee. The meeting was called to order by Chairman Steve Leath. Attending were Jim Perkins (Agrigenetics), Greg Lanaka (PlantScience), Bazel Vrient (Agdia), Dan O'Leary (Ricerca, Inc.), and Mike Klopmeier (Ball Seed).

Seven new companies have been added to the Sustaining Associates list in 1991; one membership renewal occurred at the meeting. As a result of contacts in 1991, 25 companies stated they were interested in joining in 1992, 32 companies stated they were not interested, and 47 companies were not contacted.

Leath has selected a list of high-probability contacts and suggested that this list be sent to committee members for follow-up. The high-probability list would consist of 3–4 contacts per committee member. A mailing with a letter from the president of APS should be sent to preface any phone contact from committee members. Companies that were past Sustaining Associate members are: DowElanco, Upjohn, and DeKalb-Pfizer.

Due to some problems with omitting companies from Sustaining Associates lists and listing incorrect information in the listing, the committee requested a draft of the Sustaining Associates listing be sent to the committee chairman and Sustaining Associate contacts before the listing is sent to publishers. The chairman should receive the current list and the most previous year's list in an effort to curtail mistakes.

It was suggested that the letter from the APS president be sent in early spring (April–May) and that follow-up form from committee members be sent in May–June.

Licensing of plant pathologists was discussed at this meeting; this topic should be discussed in detail among the APS membership-at-large before a decision is made on this issue.

The new contact person for Sustaining Associates at APS headquarters is Mary Courteau. The chairman requested a listing of current rates and listing of benefits from Courteau.

Suggestions for new actions for the committee include: allow for more than one contact person on the list of Sustaining Associates (in many cases the contact person listed for companies is not appropriate); Sustaining Associate members have a different badge color at the APS annual meeting; allow Sustaining Associate members access to APS directory information (e.g., all plant pathologists listing an interest in research on peanuts arrange for a meeting on this commodity).

The chairman for 1992 is Greg Watson of Ciba-Geigy and vice-chairman is Dan O'Leary of Ricerca, Inc.—*Steve Leath*

Society General Policies

Biotechnology Regulation Impact Assessment Committee. The function of the committee is to review pending federal and state legislation and rulemaking relating to biotechnology and to provide input to Council on the potential effect of such regulations upon the activities of APS members. When requested, the committee drafts "public comments" on proposed legislation and regulations for review by Council.

The past year has seen the publication (for public comment) of the Office of Science and Technology Policy's proposed "Principles for Federal Oversight of Biotechnology: Planned In-

roductions into the Environment of Organisms with Modified Hereditary Traits" (*Federal Register*, July 31, 1990) and USDA's proposed "Guidelines for Research Involving the Planned Introduction into the Environment of Organisms with Deliberately Modified Hereditary Traits" (*Federal Register*, February 1, 1991).

APS also responded to the FDA's request for comments on the Calgene, Inc., advisory opinion, which was published in the *Federal Register* (May 1, 1991). This opinion sought comment on the safety of the kanamycin resistance gene (a selectable marker) used in the production of genetically engineered tomato, cotton, and rapeseed plants intended for human and animal feed use.

Biotechnology regulation is an area that attracts considerable public interest. The committee is keenly aware of its responsibility to represent the diverse interests of the APS membership and welcomes input from other individuals or groups within the Society. We particularly encourage members who are aware of state legislative activity in the area of biotechnology to bring those activities to the attention of the committee.—*Rod Townsend*

Collections and Germ Plasm Committee. Thirteen people, including 11 members, attended the committee meeting held on August 17, 1991. The attendees were reminded that the committee was sponsoring a discussion session entitled "Computer Networks: Use with Microbial Resources" and was cosponsoring a discussion session with the Host Resistance Committee.

Steven Leath presented an agenda, including a list of proposed speakers, for a discussion session at the 1992 APS annual meeting in Portland. The tentative title for the session is: "The Challenge of Enhancing Germplasm from Collection to Utilization." The committee also agreed to cosponsor with the Host Resistance Committee a discussion session concerning the application of molecular techniques to germ plasm enhancement. Wayne Pedersen outlined the Host Resistance Committee's ideas and Hasson Melouk agreed to serve as liaison in developing this session.

Other business included a discussion on last year's resolution to Council to encourage the relaxation of APHIS regulations concerning certain plant pathogens. It was decided to wait another year before further action is recommended.

Hassan Melouk is chairman for 1991–1992 and A. Graves Gillaspie will serve as vice-chairman. Richard O. Hampton was nominated and unanimously elected vice-chairman designate; three people were nominated for committee membership.—*Steven Leath*

Extension Committee. The chairman reviewed the highlights of the Program Committee meeting. A discussion ensued on the preferred format for the national meetings (i.e. oral presentations vs. poster sessions vs. special sessions) and the time allotted for each. The general feeling was that oral presentations could be limited but the graduate students and postdoctorates needing exposure should be given priority for oral presentations.

The committee is in favor of a "Plant Health Management Section" in *Plant Disease* and thought that it would be a good format for extension specialists to publish innovative ideas.

Walker Miller volunteered the use of the Clemson "Reflector" by other extension specialists for the purpose of transmitting electronic mail.

The committee reaffirmed their commitment to geographical representation on the committee and the committee's role in selecting APS members to be presented for nomination. It was determined that a current list of APS extension personnel, sorted by commodity and state, would be requested from APS headquarters.

The 1992 and 1993 meetings were discussed. In 1992 the committee will cosponsor a topic with the Integrated Pest Management Committee. Details will be worked out for a possible cosponsored discussion session with the Society of Nematologists Extension Committee in 1993. The suggested title would be "Integrated Management of Nematodes."

Pat Lipps was elected as vice-chairman for 1992.—*Thomas A. Melton*

Graduate Student Committee. The committee met on August 18, 1991, with 12 committee members and 17 guests present.

The committee voted on and accepted a statement of purpose to be printed in the "APS Manual of Operations."

The committee sponsored a forum entitled "Career Opportunities." The forum, which featured five speakers from academia, extension, industry, and the USDA, was a great success, with approximately 150 persons in attendance.

In an effort to increase communication among graduate students, the committee is forming a network with student representatives at each land-grant university. A subcommittee chaired by S. Brumley was appointed to complete the formation of the network. Division coordinators were appointed to oversee the flow of information between network representatives.

A poster that will provide information about committee activities is planned for the 1992 annual meeting. M. Boehm will be responsible for submitting a series of articles to *Phytopathology News*, which will serve to alert graduate students to items of interest.

The committee agreed to request that Council examine the possibility of extending the student membership dues for a period of time following graduation.

S. Kendig is chairman and P. Thorson and S. Fry were elected vice-chairman and secretary, respectively, for 1991–1992. Six of the guests present were nominated for membership.—*S. P. Bentivenga*

New Fungicide and Nematicide Data Committee. The annual meeting of the New Fungicide and Nematicide Data Committee was called to order on August 18, 1991, by Chairman Tim Breneman. New members and retiring members were recognized and all attendees were introduced. Minutes of last year's meeting were made available and were approved.

Stephen Johnston presented the editor's report. Volume 46 of *Fungicide and Nematicide Tests (F&N Tests)* was shipped in camera-ready format to Glover Printing on April 11 and was distributed in May. Volume 46 was comprised of 385 pages and contained 362 reports. This represents the largest number of reports published in a single volume of *F&N Tests*. All reports were submitted in camera-ready form. There were no problems concerning the \$15/report charge assessed contributors for this issue. This assessment represented an increase of \$5 over the \$10/report charges levied for Volume 45 contributions. Eight companies contributed listings for the "Materials Available for Trial" section.

Gerard Berggren presented the business manager's report. A total of 805 copies of *F&N Tests* were sold between July 1, 1990, and June 30, 1991. Volume sales during the past year generated revenues of \$13,204.72. Additional monies were generated by advertising, report charges, and interest to the account for a total income of \$20,826.39. The cost to produce Volume 46 was \$17,128.45. The cash surplus of \$2,961.27 for 1990–1991 was added to a previous bank balance of \$736.67, creating total cash reserves of \$3,697.94.

Following approval of the 1990–1991 fiscal report, Berggren submitted several actions for committee approval. He recommended that Volume 47 prices remain at \$17.50 and that current shipping charges remain intact. A recommendation that the hourly wage for secretarial assistance be increased from the current \$5.00/hour wage to \$5.50/hour was also forwarded. Both recommendations were approved by the committee. Dr. Berggren requested that authors make certain that checks or money orders forwarded to him carry the contributor's name or an appropriate reference number to facilitate proper accounting.

Appreciation was expressed to Berggren and to his wife Rose for their commitment on behalf of *F&N Tests*. The excellent services rendered by Johnston and the entire editorial staff were also acknowledged and recognized by the committee.

Turner Sutton, editor of the Pome Fruits Section, resigned from his position following the publication of Volume 46 due to increased editorial responsibilities with APS journals. Volunteers are being solicited for this editorial position, as well as that of Vegetable Section editor, during 1992. Helene Dillard, the current Vegetable Section editor, will be on sabbatical leave during this period. Johnston provided the committee with notification of his plans to resign as editor of *F&N Tests* following the publication of Volume 47 in 1992. His resignation will be subsequent to a 5-year term as editor. The resignation of Dan Neely, who recently retired, as a committee member was also announced.

A motion was made that a 5-year fixed term be accepted as standard for the editor position and that a 3-year duration be accepted as standard for section editor terms. It was also proposed that there be no limit to the number of times a section editor's term could be renewed. The motion was passed. A timetable for scheduling the staggered rotation of section editor terms (beginning in 1992) will be submitted by the present editor. A letter detailing the responsibilities of the editor will be made available to anyone interested in becoming a candidate for this position.

The suitability of Duncan's Multiple Range Test (DMRT) for statistical analysis of results published in *F&N Tests* was questioned. Following a brief discussion, it was decided that, while *F&N Tests* would not refuse publication of reports utilizing DMRT, it would encourage the use of appropriate alternatives for mean separation. A set of guidelines with regard to the selection of alternative statistical analyses will be drafted and included with guidelines currently mailed to authors. John Mueller volunteered to work with Johnston on preparation of such a statement.

Several contributors to *F&N Tests* have inquired about the possibility of submitting reports on 8.5×11 -inch paper. Their inquiries are stimulated by difficulties encountered with printing reports directly onto the 11×17 -inch paper currently used for camera-ready copy. Following a consultation with the printer, the editor recommended that the requirement for the large-sized format remain in effect. According to the printer, acceptance of report originals printed in the exact size for camera-ready copy would diminish the quality of the finished product. The editor's recommendation was approved.

The committee discussed development of a set of standards for recording disease assessments, application rates, and units of measurement. However, it was decided that the establishment of such standards at this time would be extremely difficult, if not impossible, due to the complex nature of disease development and the diversity of crops, pathogens, and production systems involved.

Richard Raid will serve as chairman for 1991–1992 and Don Hershman was elected to serve as vice-chairman.—*Richard Raid*

Private Practice Committee. The meeting was called to order by Larry Stowell on August 17, 1991. The following members attended: C. Averde, C. Catranis, C. Mellinger, W. Osborne, L. Stowell, and R. Sturgeon. Eight visitors also participated in the meeting.

Discussion focused upon the committee's proposal to Council to establish a Registry of Certified Professional Plant Pathologists. With the help of a committee of three (J. Amador, C. Windels, and K. Conway) appointed by G. Agrios, Council approved the formation of the registry to be operated as a sub-board of the American Registry of Certified Professionals in Agronomy, Crops and Soils (ARCPACS). The landmark decision to establish the registry will bring plant pathology into parity with other professional certification programs in agronomy, crop science, soil science, and entomology.

A discussion session entitled "Certification Opportunities for Plant Pathologists" was proposed and submitted to the Program Committee. The discussion is intended to present the expanding role of certification in modern agriculture with perspectives from EPA and other regulatory bodies, industry, and private practitioners. Finally, the certification process will be described for those interested in becoming certified professional plant pathologists.

Officers for 1991–1992 are Chairman Charles Mellinger and Vice-Chairman W. Wyatt Osborne.—*Larry J. Stowell*

Program Committee. Much discussion about the meeting schedule used in St. Louis (i.e., starting Saturday evening and concluding Wednesday evening) was held by committee members. The consensus was that the new schedule was working out well and that the meeting in Portland should be started with full sessions on Sunday morning and the plenary session on Sunday afternoon. Although there was some concern expressed about having the awards ceremony and reception at the end of the meeting on Wednesday evening, it was agreed that it should be tried again.

There was total agreement that having two poster sessions without conflicting sessions, as was done in St. Louis, was excellent and would encourage more posters. This will be repeated in Portland.

The Portland meeting will be held jointly with the Mycological Society of America. The theme will be "Healthy Plants, Healthy Planet." Of the nine topics proposed for symposia at Portland, three were selected for APS sponsorship: "A Reappraisal of Mycorrhizae in Plant Health," sponsored by the Mycorrhizae Committee; "Evolution in Pathogen Populations," sponsored by the Epidemiology Committee; and "Physiology and Biochemistry of Fruit Ripening Associated with Postharvest Decays," sponsored by the Postharvest Pathology and Mycotoxicology Committee. A fourth symposium was selected for cosponsorship by APS and MSA, "Population Genetics, Ecology, and Systematics of *Armillaria*," sponsored by the Mycology Committee.—*Randall C. Rowe*

Public Relations Committee. Thirteen individuals were present for the committee meeting held on August 18, 1991. These principals represented APS headquarters, USDA-ARS information staff, and committee members. Committee members absent from the annual meeting were A. O. Paulus and M. Lacy.

One purpose of the committee is to seek new concepts in publicizing plant pathology on a continuing basis. This year's activity centered on sponsorship of a high school science student/teacher tour of posters, followed by a luncheon, on August 19 in the Adam's Mark Hotel. Nineteen students (representing 13 schools), three teachers, and Ed Ortleib, the science supervisor of the St. Louis School System, attended the luncheon. Brief remarks to the students were made by President George Agrios, Past President Paul Williams, and Gail Schumann. Several APS members who served as tour guides to the poster and paper sessions were guests.

Ten press release packets were prepared and made available by Joan Schimml of APS headquarters. Kim Kaplan (USDA-ARS), who released advanced information on the 1991 Morrison Lecture given by Arthur Kelman, provided guidance on preparing future press releases.

The committee recommended continuing cooperation with the International Science and Engineering Fair by sponsoring APS awards at the 1992 fair to be held in Nashville, TN, May 10–16. John Hartman will work with the Youth Committee in securing judges from the area, with the idea that this function should become part of that committee's responsibilities.

The committee endorsed Council's recommendation to revise the booklet "Careers in Plant Pathology" and to include color photographs, if cost effective. Bergstrom and Walker will work on the revision with representatives from the Teaching and Youth committees. The committee did not recommend that Council publish the booklet "Choosing Your Staff Wisely" unless justified. Likewise, the committee did not support the idea of producing calendars, and were only lukewarm toward purchasing inexpensive souvenirs to be given away. The committee recommended that the long-term policy of reviewing all abstracts for public relations purposes before the annual meeting be discontinued. Other suggestions were to give high visibility to special sessions, symposia, discussion sessions, etc.

The approval of the National Plant Pathology Board for final action by Council was passed by the committee, with a suggestion that the number of board members be enlarged.

A discussion was held on creating a long-range public relations planning document with an accompanying budget. Endorsement was given to Molly Cline to prepare an appropriate exhibit on APS for the Garden Writer's of America Convention (it might be displayed at other conventions as well). A resolution was adopted to acknowledge the kind assistance of Monsanto Company employees who helped solicit the student guests. The chairman also acknowledged the assistance and service from Ray Tarleton and Dotty Ginsburg, and wished them well on their impending retirements.

During the course of the year, the committee was polled for its opinion with regard to a National Registry of Plant Pathologists on behalf of L. J. Stowell, chairman of the Private Practice Committee. Five votes were received in support, one vote was negative with partial for, and one vote was neutral.

A critique of the principal luncheon activity by the committee took place immediately after the luncheon. The luncheon was successful, and the idea should be recommended to Council that it be followed up in the future and be hosted by and under the leadership of the Youth Committee. Don Mathre suggests that it might be tried at division meetings as well; John Hartman will look into organizing a luncheon at the next Southern Division meeting. Graduate Student Committee members offered to serve as guides.

Molly Cline was elected vice-chairman for 1991-1992 and Gary Bergstrom is chairman.—*Jerry T. Walker*

Public Responsibilities Committee. The committee met on August 17, 1991. Members present were Sara Allen, Mark Black, Brad Castanho, Robert Gudauskas, Gary Hooper, Roland Line, Merritt Nelson, and Malcolm Shurtleff. Also attending the meeting were O. W. Barnett, Lawrence Moore, and Sue Tolin. Line was appointed as temporary secretary for the meeting. Election of the vice-chairman-elect was postponed until the next annual meeting.

Two drafts of a possible codes of ethics for APS were discussed, and incorporation of the two into a single code was considered. Further discussion was tabled until after the discussion session "The Code of Ethics for APS: Who Needs It?," which was sponsored by the committee and held on August 18. Following the session, which was well attended and included considerable discussion, the committee met and concluded that a code of ethics for APS is important and desirable. Further dialogue on the subject and development of a possible code for consideration by Council will be pursued. Various methods of bringing the topic to the attention of APS membership were suggested.

The committee next addressed its role and interactions in regard to the new National Plant Pathology Board. The committee fully supports the objectives of the board and sees it as providing excellent opportunity for better interaction with the public and government.

A number of recommendations about the board and its functions were made during a lengthy discussion, including maintaining open interchange between the board and the Public Responsibilities Committee, and possibly other committees, through timely correspondence; regular reporting by board member(s) at the committee's annual meeting and possible joint appointments to the committee and the board; and enlarging board membership to include other APS members as originally recommended by the ad hoc Steering Committee, with attention given to appointment of rising leaders in the profession. Since activities of the board provide only intermittent contact with Washington, DC, the committee reaffirmed its strong recommendation to Council to pursue establishment of an APS Congressional Fellow.

The final major item of discussion concerned the need to inform the APS membership on new developments in college and university policies for dealing with ownership and marketing of intellectual properties. The committee voted to submit a request

for sponsorship of a discussion session on this subject at the 1992 annual meeting in Portland.

Officers for 1991-1992 are Chairman Roland Line, Vice-Chairman Philip Larsen, and Immediate Past Chairman Robert Gudauskas.—*R. T. Gudauskas*

Standardization of Common Names of Plant Diseases. The meeting was called to order August 18, 1991, with five members and four nonmembers present. Dean Hansen reported on the progress of items during the past year. These include the publication of nine commodity lists in the March issue of *Plant Disease*, the publication of rice and cranberry lists in the February and March issues of *Phytopathology News*, and the completion of sugar beet, rapeseed, and mustard lists (ready to be sent to APS headquarters for publication in *Phytopathology News*) and the hops list, which is near completion. The committee is currently working on a carrot list and has promise of a pineapple list.

Three nonmembers signed for committee membership and were given responsibility for developing lists under one of seven remaining crop groupings. Gary Simone was nominated as vice-chairman. The gavel was transferred from Dean Hansen to the new chairman, Jenne Bass, who reported on items of concern from the business meeting on August 17.

Officers for the next term (1991-1993) are Chairman Jenne Bass and Vice-Chairman Gary Simone.—*J. D. Hansen*

Teaching Committee. The committee met on August 18, 1991, with 17 members and guests present. The meeting was chaired by Barbara Christ.

In February 1991 several members of the committee attended a Fast Plant workshop in Madison, WI. These individuals assisted Paul Williams at the Fast Plant workshop sponsored by the committee on August 18 at St. Louis. A discussion session, "Undergraduate Majors and Minors in Plant Pathology—An Endangered Species," was cosponsored with the Youth Committee and was well attended. The disease recognition contest, cosponsored with the Diagnostics Committee, was well received.

Plans for next year include continuation of the teaching poster session and disease recognition contest. The committee will request a discussion session for the 1992 annual meeting on topics related to teaching mycology, such as the reduction in "ology" courses in the Colleges of Science and the importance of knowing the organism in the fast-paced world of molecular biology.

Cleora D'Arcy will be the chairman in 1991-1992 with Eileen Sutker as vice-chairman. Peter Mullin was voted vice-chairman-elect.—*Barbara Christ*

Women in Plant Pathology Committee. Chairman Rose Loria called the meeting to order on August 18, 1991. Loria reported on the success of this year's Women's Speakers Bureau. The funding has been spread out among many universities over the past year because most requests are for less than the full cost of bringing in the speaker, with the sponsoring department making up the cost difference. The committee has requested a third year of funding.

Columns in *Phytopathology News* relating to women in science and the activities of the committee have appeared throughout the past year, and they continue to be welcomed by both the committee and the editor of *Phytopathology News*.

Jacque Fletcher reported on the success of last year's workshop, "How to Write a Manuscript." The workshop attracted a large crowd, and resulted in an excellent series of *Phytopathology News* articles!

Child care at the meetings was again somewhat of a disappointment for many, consisting of two phone numbers in the registration materials. Arrangements at the meetings of other societies were discussed. Marge Palmer and Rose Loria have agreed to look into the successful cooperative child care center organized at the plant physiologists meetings for the past 2 years.

The committee received funding for this year's social from ICI-Americas, Inc., and Ciba-Geigy. This funding again allowed a

two-tiered fee structure (\$11 for nonstudents and \$3 for students) while maintaining a tasteful selection of nutritious delights for our culinary enjoyment.

The wide variety of scholarships, fellowships, and grants available to women students, postdoctorates, faculty, and researchers was discussed. The committee requests that anyone with any information about such awards send copies of the information to Linda Kinkel. This information will be compiled and made available at next year's annual meeting.

The committee discussed the possibility of making a poster for presentation at the 1992 meeting in Portland. After much discussion, it was resolved that Pam Coleman, Janelle Johnk, and Sharon Aarons will solicit references and/or copies of helpful information relating to women in science and professionalism. Send them any information you might have!

Carolee Bull is looking into the possibility of a speaker at next year's social. This speaker is currently at Oregon State University and has had experience in effectively organizing groups.

Program planning for Nashville (1993) considered the possibility of a panel discussion focusing on approaches to integrating professional and personal lives from the perspectives of men and women in varying scientific careers (industry, government, academic) and at varying stages in their careers (just starting out, established, and at-the-bench vs. administrative/management). Kinkel, Bull, Mary Shaw, and Deb Villalon will form a subcommittee to further consider this area and will present their suggestions to the committee next year.

Doug Maxwell summarized the awards process for the committee. Maxwell also suggested that the committee consider a name change at some point in the future to encompass the interests of a wider group of members and to more accurately reflect its concerns, noting that most of its activities in recent years have been focused upon the concerns of the younger Society members and on integrating professional and personal lives rather than directly on women-only issues. This will be discussed at next year's meetings, along with a reconsideration of the committee charter.

Nominations for vice-chairman were accepted. Ariana van Bruggen, Cheryl Engelkes, and Deb Golino were nominated. Ballots will be sent to all committee members within the next month.—*Linda Kinkel*

Youth Programs Committee. The committee meeting in St. Louis was chaired by Gail Ruhl and attended by five members (Cindy Ash, Doug Jardine, Mary Jeffers, Willie Wilson, and Sarah Wyatt) and four visitors (Barb Christ, Bill Fry, John Hartman, and Basil Vrient). Doug Jardine will chair the committee for 1991–1992. At the present time there is no chairman-elect.

The involvement of the committee in the 1991 program was confined to cosponsoring, with the Teaching Committee, a discussion session on "Undergraduate Majors and Minors in Plant Pathology—An Endangered Species."

Ruhl prepared a poster about the activities of the committee. The poster was displayed in the poster area along with copies of 4-H plant pathology projects and the most current draft of the plant pathology monograph "Teach Biology with Plant Pathology." She reported on her update of the compilation of 4-H plant pathology projects in the United States and handed out copies to meeting attendees.

Mary Jeffers reported on her correspondence with Children's Television Network programming. She has contacted "Newton's Apple" and "3-2-1 Contact" and she and Ash will continue to pursue the inclusion of the subject of plant pathology into children's programs.

Jardine reported on his involvement with Sandia Laboratory and youth and science. Jardine will make contact with a person in each plant pathology department in the United States who is involved with youth and science education. He will also be the contact person (as the new chairman of the committee) for revising the APS pamphlets on careers in plant pathology.

Juliet Carroll reported on the progress of the NABT monograph

"Teaching Biology with Plant Pathology." It is ready for field testing.

Ruhl volunteered to contact a children's author who might address the committee in Portland, OR, on the how-to's of writing a children's book. It is the intent of the committee to incorporate plant pathology into children's books and possibly Saturday morning cartoons such as "Captain Planet." John Hartman suggested the possibility of Captain Planet appearing at the plenary session in Oregon.—*Gail Ruhl*

Subject Matter

Bacteriology Committee. Eleven committee members and 17 nonmembers attended the committee meeting held in St. Louis. The meeting was chaired by T. Denny. S. Hirano recorded the minutes of the meeting.

At the 1991 meeting, the committee sponsored a colloquium on "*avr* and *hrp* Genes—Problems and Progress" (organized by Peter Lindgren) and a discussion on "Bacteria as Alternatives to Chemicals" (organized by David Sands).

Among the new business was the termination of the subcommittees on fastidious prokaryotes, taxonomy, and long-range planning. It was felt that the subcommittees had outlived their purposes (which were not well defined or clearly remembered) and had not been active for the last several years. New subcommittees may be formed in the future, but should have a specific charge and defined term.

The committee voted to request that the *Plant Disease* policy requiring the use of Latin authorities for bacteria be discontinued. Announcements were made concerning the collection by the American Type Culture Collection of mycoplasma-like organisms (MLO), MLO antisera, and cloned MLO DNAs, and the request for slides for an interactive videodisc for teaching plant pathology.

The committee favored the proposal to restrict the number of special sessions to be presented at the 1992 meeting. There was broad approval of how the poster sessions were not concurrent with any other sessions at the 1991 meeting, and the committee would like to see this repeated.

The committee voted to propose a colloquium on "Variability in Bacterial Pathogens—Significance and Implications," to be organized by S. Hirano, and a special poster session on "Marking Systems for Monitoring Microorganisms in the Environment," to be organized by J. Kloepper.

During 1991–1992, S. Hirano and A. Collmer will serve as chairman and vice-chairman, respectively. J. Jones was selected as the vice-chairman-elect.—*Timothy Denny*

Biochemistry, Physiology, and Molecular Biology Committee. The committee met on August 18, 1991, with 17 individuals present.

The committee requested sponsorship of two events at the 1992 APS meeting: A colloquium on "Chromosomal Variation and Instability in Plant-Pathogenic Fungi" and a discussion on "The Role of Cell Surface Components in Fungal-Plant Interactions." In addition, the committee agreed to work with the Seed Pathology Committee to set up a workshop on PCR techniques.

The committee sponsored three special sessions at the 1991 APS meeting: a symposium entitled "*Arabidopsis* as a Model System for Studying Plant-Pathogen Interactions," cosponsored with the Genetics Committee; a colloquium on "Signal Transduction in Plant-Pathogen Interactions"; and a discussion on the "Fate of Genetically Engineered Organisms in the Environment." In addition, we assisted the Seed Pathology Committee with a discussion session of "Application of Innovative and Biotechnological Methods for Development of Disease Resistance."

Bob Livingston was elected vice-chairman for 1992–1993.—*M. Atkinson*

Biological Control Committee. Chairman Guy Knudsen convened the meeting and vice-chairman Deborah Fravel prepared the minutes. Approximately 30 people were in attendance.

Knudsen encouraged members to attend the biocontrol-related programs and the Biological Control Social at the meeting. There were 129 people registered for the social.

The biocontrol slide set contains 73 slides with examples of 13 diverse biocontrol systems. The committee thanks Joyce Loper and Larry Stowell for their time and talents in organizing this slide set.

Ciba-Geigy has generously donated \$500 to cover the cost of mailing the *Biocontrol Newsletter*.

A discussion was held concerning what events the committee would like to sponsor at future APS meetings. There was a general consensus that it wanted to explore quantitative approaches to the ecological basis for biocontrol. Since this topic will require bringing in outside speakers, the committee will request a symposium tentatively entitled "Ecological Basis for Biocontrol" at the Program Committee meeting.

The committee has agreed to cosponsor three events at the 1992 meeting: "Small Talk: Communication Among Soil Microbes" with the Soil Microbiology and Root Diseases Committee; "Transgenic Plants for Biocontrol" with the Genetics Committee; and "Mycorrhizae for Biocontrol" with the Mycorrhizae Committee.—*Deborah Fravel*

Chemical Control Committee. The meeting was called to order by Chairman Earle Butterfield. Eleven members and 29 nonmembers were in attendance.

An update was given on the discussion session "Integration of Chemical and Biological Control Methods for Plant Disease and Weed Control," sponsored at the current meeting. The session was organized and assisted by Paul Backman, presided by Butterfield, and cosponsored with the Biological Control Committee. A workshop, "Tools to Ensure Freedom and Responsibility to Operate in Crop Protection," was cosponsored with the Biotechnology Regulation Impact Assessment and Public Relations committees and presided by David Sands.

The committee proposed for the 1992 meeting a discussion session entitled "Measuring Plant Health, Measuring Planetary Health." If approved by Council, this session will be organized by the subcommittee headed by Vince Morton and assisted by Mary Menetrez and Bryan Delp. Plant health will address electronic data exchange and standardization of disease assessment and rate reporting. Planetary health will address measurement and reporting of chemical control benefits, such as increased food quantity, quality, and safety.

The committee voted to support the document prepared by the Industry Committee that addresses the need for a plant pathologist registry.

The following new members were inducted at this meeting: John French, Monica Elliot, Jim Lorbeer, and Tom Zitter. Officers for 1991–1992 are: Bryan Delp, chairman; Albert Culbreath, vice-chairman; Jim Lorbeer, secretary; and Earle Butterfield, past chairman.—*Bryan R. Delp*

Diagnostics Committee. The committee meeting, attended by 10 members and 33 nonmembers, was called to order by Chairman Seong H. Kim.

During the 1991 meeting the committee sponsored a discussion on "Interpretation of ELISA Results," a workshop on "Rapid Diagnostic Assays," and poster entitled "The Newest Committee in APS." The committee cosponsored a discussion on "Tomato Spotted Wilt Virus" and the Plant Diagnosis Disease Contest. Approximately 40 members participated in the Diagnostics Reception.

Diagnostics was added to the list of professional categories on the APS Abstract Form for future annual meetings. The committee's current balance in the APS account, not including the income of 1991, was \$1,792.82.

Committee members voted to change the title of the *Plant Disease Diagnostician's Quarterly* to *Plant Disease Diagnostics Quarterly*. The committee endorsed Jack McRitchie as head of the subcommittee on the diagnostics manual. The committee

passed a motion to propose to the *Plant Disease* editorial board the possibility of publishing the diagnostic sheets in *Plant Disease* under "Spotlight on Diagnosis."

Sally Miller was elected to serve as the head of the newly formed subcommittee on Rapid Diagnostic Assays for the Plant Pathogens Workshop. The proposed committee events for the 1992 meeting includes a workshop on "Rapid Diagnostic Assays for Plant Pathogens," organized by Miller. The committee poster by Ethel Dutky will also be continued in 1992.

Larry Brown is the contact person for the session on "Polymerase Chain Reaction," to be cosponsored with the Virology Committee. The disease recognition contest will continue under joint sponsorship of the Teaching and Diagnostics committees. Contact is Brian Eshenhauer.

Walker Miller will set up an electronic bulletin board called the Extension Plant Pathologist Reflector for those with electronic mail systems. Chet Sutula will compile an international listing of diagnostic laboratories. Jackie Mullen will submit the updated listing of reference pathologist volunteers to *Plant Disease Diagnostics Quarterly*.

Chuck Semer IV and Jacqueline Mullen are the 1992 chairman and vice-chairman, respectively.—*Seong Hwan Kim*

Diseases of Ornamentals and Turfgrass Committee. Twenty-three persons attended the committee meeting chaired by Rob Wick. Vice-Chairman Ron Jones recorded the minutes.

Mike Klopmeier and Bruce Clarke organized an all-day nursery and Missouri Botanical Garden tour on Saturday. Sixty-three people registered for the tour. The committee also sponsored a colloquium on "Tomato Spotted Wilt Virus," organized by Margery Daughtrey, that was very well attended. A discussion group on "Interpretation of Fungal and Bacterial ELISA Results" was cosponsored by the Diagnostics Committee and was also well attended.

The committee discussed plans for sponsoring a discussion group in 1992 on "Fungicide-Limiting Strategies for Disease Management." Lee Burpee volunteered to organize the event. Interest was also expressed in establishing an informal working group for the committee, to meet in 1992. Rob Wick volunteered to help establish the working group.

Sharon von Broembsen was elected vice-chairman for 1992–1993.—*Robert L. Wick*

Environmental Quality and Plant Health Committee. The committee met on August 18, 1991. Present were Chairman Steven Shafer, Vice-Chairman Mike Simini, Vicki Smith, Robert Bruck, Paul Lewis, Charles Krause, Paul Vincelli, Jack Paxton, Laurence Moore, Allen Heagle, and Brett Runion.

Plans for the symposium on "Global Change and Plant Health," cosponsored with the Forest Pathology Committee, were reviewed, and members were encouraged to attend the symposium on August 20.

Shafer's responses to Councilor-at-Large Cleo D'Arcy's survey on committee functions were discussed in detail, and the committee concurred with the comments. Based on Shafer's discussions with D'Arcy, the number of committee members was expanded to 14 for 1991–1992.

Plans were discussed for the joint 1992 APS/MSA meeting in Portland, OR. After consideration of several topics, the committee approved planning for a discussion group, to be cosponsored with the Regulatory Plant Pathology Committee, on fates of pesticides in the environment (effort to be led by Simini); actively recruiting colleagues to submit contributed papers for an environmental quality and plant health paper session (Shafer); and assembling a poster to showcase environmental quality and plant health-related activities in plant pathology (Shafer and Krause).

Paul Vincelli was elected vice-chairman for 1991–1992. Potential nominees for the committee (to begin terms at the Portland meeting) were discussed. The committee unanimously approved Simini to be nominated to the Council to serve as the

APS liaison with the Society for Environmental Toxicology and Chemistry, which requested that APS establish such a position.—*S. R. Shafer*

Epidemiology Committee. The committee meeting was chaired by Greg Shaner and was attended by 15 members and 18 non-members.

The committee cosponsored a discussion session on "Factors and Methodology in Surveying Plant Diseases" with the Plant Disease Detection Committee at the 1991 annual meeting.

Gary Grove, Wolfgang Schuh, and Shaner volunteered to prepare a poster about the activities of the committee for the 1992 meeting. Forrest Nutter, Jr., and Leonard Franci volunteered to write an article about the committee for *Phytopathology News*.

The bulk of the meeting time was devoted to a discussion of sessions that the committee might sponsor at the 1992 meeting and beyond. Topics suggested were systems approaches to plant disease epidemiology; modern approaches to quantitative epidemiology, including chaos theory; techniques for tracking specific genetic components of plant pathogen populations; role of epidemiology in sustainable agriculture; role of epidemiology in organic agriculture; application of epidemiology to biological control; management, etiology, and epidemiology of diseases caused by pathogen mixtures; and evolution in plant pathogen populations. It was agreed to request at the 1992 Program Committee meeting that the committee sponsor a symposium on "Evolution in Plant Pathogen Populations." Mike Milgroom volunteered to organize this symposium.

After some discussion it was concluded that 1992 was premature for a discussion of chaos theory as it might apply to epidemiology. "Systems Approaches to Plant Disease Epidemiology" and "Techniques for Tracking Specific Genetic Components of Plant Pathogen Populations" are similar to topics that might be part of the International Congress of Plant Pathology in 1993, so the committee decided to communicate with the ISPP Epidemiology Committee about working with them. It was agreed to cosponsor with the Plant Disease Detection Committee in 1992 a discussion session on "Use of Severity and Incidence Data for Disease Management Decisions" and to cosponsor with the Soil Microbiology and Root Disease and several other committees a symposium on "Analytical Methods for Quantification of Root Growth and Function in Soil."

In reaction to an idea of the ISPP Epidemiology Committee, members considered the need for an international newsletter of plant disease epidemiology and recommended instead that topics about epidemiology be included in the existing ISPP newsletter.

There was some discussion about a project, which involves several members of the committee, to develop a global crop loss database. This was viewed as a laudable but challenging undertaking.

John Yuen, who was to have served as chairman of the committee for 1991–1992, is no longer working in the field of plant disease epidemiology; therefore, vice-chairman-elect Ken Johnson will serve as chairman. Forrest Nutter, Jr., was elected vice-chairman for 1991–1992.—*Greg Shaner*

Exobiology and Space Phytopathology Committee. Committee goals include developing a literature and information base to facilitate rapid understanding of the general subject area and relationships with plant pathology; informing the Society about the relevance of this subject area to plant pathology; and promoting interest, understanding, and research, especially among committee participants. A poster at each annual meeting is an integral part of achieving these goals.

The poster for the St. Louis meeting coordinated about two dozen individuals inside and outside of APS, and involved virtually all committee members. It was my most pleasurable and time-efficient experience in 13 years of committee activity. Interest by meeting attendees was good, and it contributed to the fourfold increase in requested slots for committee posters at the 1992 meeting. Some of these represent a decrease in requests for sessions in the crowded meeting program.

Funding is the most serious constraint for research and teaching in both exobiology and space biology. The committee resolved to begin a long-term effort. Groups have historically been more successful in attracting funding in this area, due in part to needs for a broader knowledge base and more effective penetration of funding sources. In addition, much research and teaching applies coincidentally to the committee's area of interest, providing a wider pool of knowledge and funding sources. An example is rapid-cycling plants.

The committee is organized with a long-term view. The chairman and vice-chairman serve 2-year terms. Past members tend to continue to participate. Committee interests range from real problems in space to new ways of asking old questions. For some, this is a hobby that challenges earth-bound assumptions and opens different but real biological worlds.—*Rod Vargo*

Forest Pathology Committee. The committee sponsored a field trip west and south of the St. Louis area, primarily in the Mark Twain National Forest. Ash yellows, diseases of black walnut and short leaf pine, and oak decline were observed by the 65 participants.

The committee cosponsored a symposium entitled "Global Change and Plant Health" with the Environmental Quality and Plant Health Committee, as well as a discussion session entitled "Effects of Pathogens on Ecological Processes in Natural Forests," two paper sessions, and two poster sessions.

Don Goheen gave a summary of the Siberian log importation issue. Johann Bruhn gave a summary of his survey on the status of forest pathology education in the United States and Canada. A committee was appointed to follow-up with a second survey that aims at collecting information on a historical perspective of forest pathology/biology education in North America forest land management curricula.

The possibility of an increase in funding for forest biology research as a result of the National Research Council report on forestry research was discussed. Bill MacDonald summarized ways the committee could possibly increase the funding, and a task force was appointed to follow-up on some of his recommendations.

Proposed program items for 1992 included cosponsoring a symposium on "*Armillaria*" with the APS Mycology and the MSA Plant Pathology committees and sponsoring a discussion session on "New Perspectives in Forest Disease Management." Goheen reported on field trip options for 1992 and will organize a 2- or 2.5-day trip. Charlie Walkinshaw and Joe O'Brien will work on a committee poster on "Careers in Forest Pathology." Frank Tainter made a request for slides of forest diseases for conversion onto a video laser disc.

Bill Jacobi was elected vice-chairman-elect, John Castello is vice-chairman, and Jane Cummings Carlson is chairman for 1991–1992. Forty people attended the committee meeting.—*Jane Cummings Carlson*

Host Resistance Committee. The committee met on August 18, 1991, with Chairman Wayne Pedersen presiding and 24 people in attendance. The primary discussion dealt with proposed activities of the committee during the 1992 and 1993 annual meetings. It was agreed that the committee would support the development of a special poster session on host resistance and will cosponsor a discussion on "The Challenge of Enhancing Germplasm from Collection to Utilization" with the Collections and Germ Plasm Committee at the 1992 meeting in Portland.

The committee agreed to sponsor or cosponsor a symposium or discussion at the 1993 meeting in Nashville. The subject of the session would involve the direct application of new technologies in the development of host resistance. Special emphasis would be made to ensure that the application of such technologies would be stressed rather than their potential. Plans would be formulated during the coming year and presented to the committee in 1992. Pedersen indicated that he would present the proposal to other committees for support.

Application for membership on this committee was encouraged by the chairman and factors influencing the selection of new members was discussed. Brian Anderson was unanimously elected as vice-chairman and Ken Leath will assume the duties of chairman for 1991–1992.—*K. L. Leath*

Integrated Pest Management Committee. Chairman Dan Cooley called the meeting to order on August 18, 1991, with 11 members and 4 guests in attendance. Minutes from the 1990 committee meeting were read and approved.

The committee sponsored a symposium entitled “Food and Environment: IPM Meets the 21st Century” at the 1991 annual meeting. The symposium was organized by Cooley and was attended by approximately 100 people. Options for publishing papers from the symposium were discussed and the committee agreed to solicit written manuscripts from each of the symposium speakers. Cooley volunteered to coordinate preparation of the manuscripts for eventual publication in *Plant Disease*, with J. Damicone, D. Gadoury, C. Johnson, and J. LaMondia agreeing to help review papers and prepare an executive summary before submission to the journal.

A discussion session on communicating IPM to different audiences was suggested for the 1992 APS annual meeting in Portland. General agreement was expressed for focusing the discussion session on communication techniques. Specific suggested topics included crisis management and interacting with nonbiologists on IPM issues. J. Stapleton volunteered to organize the discussion session with the assistance of Cooley and Johnson.

The committee voted to limit oral presentations at APS annual meetings to international attendees and to graduate students and postdoctorates from the APS division hosting the meeting.

Cooley solicited nominations for committee membership and for officers. A motion to increase the term of committee officers from 1 to 2 years was made, seconded, and passed by acclamation. Accordingly, Johnson will serve as chairman in 1991–1993 and M. McMullen will serve as vice-chairman in 1991–1993 and as chairman in 1993–1995. The committee agreed to postpone new nominations for officers until some time closer to the expiration of the current officers’ terms.—*Charles S. Johnson*

Mycorrhizae Committee. Three new committee members were selected. The current committee consists of Chairman Frank Pflieger, Vice-Chairman Susan Rabtain, Janet MacFall, Pat Millner, J. P. Tweari, Martha Banford, J. Stephen Neck, Bob Linderman, and Bob Ames, and new members Jim Kurle, Steve Bentivenga, and Lawrence Datnoff.

The status of the possible publication of a mycorrhizal classic was discussed. However, publication of APS classics is not a profitable item and translation of the paper chosen as a potential classic is difficult. Committee members interested in pursuing this aspect should contact Ames.

The committee wishes to thank MacFall for putting together the APS mycorrhizae poster for the St. Louis meeting. MacFall indicated that she received good cooperation from individuals who sent in photographs and a brief explanation of their research. The committee indicated that another poster should be presented at the Portland meeting in 1992, and MacFall agreed to accept the responsibility to make the necessary changes that represent current research efforts in mycorrhizae. The committee felt that there is a need to continue to share with the APS membership mycorrhizal research activities, and the APS poster is an important way to do this. This poster is available for display at other appropriate scientific meetings. Persons interested in displaying the poster should contact MacFall.

The committee cosponsored a discussion session entitled “The Use of Biotechnology in Characterization of Fungi” with the Mycology Committee at the 1991 meeting. Approximately 130–150 attended this session, organized by Frank Pflieger and Elwin Stewart.

The Soil Microbiology, Mycorrhizae, and IPM committees cosponsored a discussion session on “Impact of Soilborne

Microbes on Sustainable Agriculture.” The Soil Microbiology Committee had the lead role in sponsoring this session.

At the committee chairmen orientation and Program Committee meeting, Randy Rowe indicated that the number of special sessions at future APS meetings has to be reduced. At the St. Louis meetings, 37 special sessions were granted. The goal for the 1992 Portland meetings is to reduce the sessions to 24–28. In order to achieve this goal each subject matter committee was to submit a single request for the 1992 meeting, which meets jointly with MSA. In the future, more emphasis will be placed on posters. The Program Committee will consider this for future meetings; however, it remains as an unresolved issue.

In 1993 APS and SON will meet jointly in Nashville, TN. A possible discussion session for the 1993 meeting is “Mycorrhizal Interactions with Nematodes.” Another suggested topic was “Ecology and Communication Signals Between Soil Microbes—Bacteria, Fungi and Nematodes.”

The committee agreed to cosponsor a proposed symposium entitled “Analytical Methods for Quantification of Root Growth and Function in Soil” with the Soil Microbiology and Root Disease Committee at the 1992 annual meeting.

Suggested topics for a discussion session at the 1992 meeting included: “Compatibility of Mycorrhizae with Soil Microbial Pesticides,” cosponsored by the Biocontrol and Soil Microbiology committees (Bob Linderman); “Role of Symbiosis in Stressed Ecosystems” (Frank Pflieger); and “Mycorrhizal Function in the Plant World.”

After a lengthy discussion it was agreed that the committee would submit the symposium title “A Reappraisal of Mycorrhizae in Plant Health” for the 1992 annual meeting. The committee’s submission received the second most votes of all the symposia requests submitted. It looks as though we have an excellent chance for 1992.—*Frank Pflieger*

Nematology Committee. The committee met on August 18, 1991, with nine members and seven nonmembers in attendance. C. Opperman discussed the colloquium “New Approaches to Nematode Diagnostics,” to convene on August 18.

Program activities for the 1992 and 1993 meetings were discussed. Charles Rush of the Soil Microbiology and Root Disease Committee presented an invitation to cosponsor a symposium entitled “Analytical Methods for Quantification of Root Growth and Health.” The committee unanimously agreed to this proposal. In addition, the Soil Microbiology and Root Disease Committee presented an invitation to cosponsor a discussion on “Alternatives to Soil Pesticides” at the joint APS-Society of Nematology meeting in 1993. After some discussion, the committee decided to table this proposal until program options become more defined for 1993.

In preparation for the 1993 joint meeting, a subcommittee was appointed to coordinate development of nematology-related ideas for the special sessions and to avoid overlap with the International Plant Pathology Congress during the same year. The subcommittee will be chaired by J. Noe.

Members discussed nematology involvement in APS. Specifically, there was some interest in the number of APS members actively involved in nematode-related work. G. Tylka will survey the member database for this information. There was also a suggestion that APS and SON consider meeting jointly more often, perhaps every 5 years. Members expressed interest in strengthening the relationship between APS and SON.

Jim Noe was elected as vice-chairman for 1991–1992, John Mueller was elevated to chairman, and Charlie Opperman is immediate past chairman.—*Charlie Opperman*

Plant Disease Detection Committee. The committee met on August 17, 1991, with eight members (M. T. McGrath, E. M. Imai, W. O. McCartney, S. S. Adams, G. D. Statler, and new members G. C. Bergstrom, L. P. Berkett, and R. Raid) and 10 visitors (C. H. Blazquez, M. Hausbeck, S. H. Kim, B. Lail, R. T. McMillan, T. Ouellet, L. D. Ploper, B. Randall-Schadel, G.

Sacilotto, and R. Wolfe) in attendance.

Committee objectives and functions were discussed intensively. Disease detection is also a broad interest of the Diagnostics and the Plant Disease Losses committees. The committee is interested specifically in survey and sampling techniques, quantification of disease, and management decision-making based on survey results. These interests are sufficiently unique to justify the committee's existence.

Sponsoring special sessions for APS meetings is an important committee function. Needs within the field of disease detection that the committee can satisfy were identified. There is not an adequate place for publishing survey results in the United States. *Canadian Plant Disease Survey* is a model of an ideal publication. *Plant Disease Reporter* was used in the past. This type of work often is not acceptable for *Plant Disease*. A list of survey results will be compiled on a regular basis by the committee. Editors of *Plant Disease* and *Phytopathology News* will be approached about publishing this information.

Organizations and individuals conducting surveys and information on other databases are being sought. Detection methods also need to be published. One reason is that foreign governments are requesting published references for survey techniques being used to examine U.S. exports. Several possibilities were discussed, including "Special Topics" articles for *Plant Disease* and a compilation of articles similar to the "Fungicide and Nematicide Tests" publication on techniques. The committee is compiling articles on detection methodology.

For the 1991 program the committee sponsored a discussion session, "Factors and Methodology in Surveying Plant Diseases," organized by M. T. McGrath. Material presented will be organized into a "Special Topics" article. Adams and Raid are planning a discussion session entitled "Using Quantitative Plant Disease Detection Data to Make Crop Management, Marketing, and Regulatory Decisions" for the 1992 program.

C. H. Blazquez, M. Hausbeck, and M. L. Sommerfeld were nominated as new members.—*M. T. McGrath*

Plant Disease Losses Committee. The committee met on August 18, 1991, with nine members and 10 visitors present. Chairman Ken Johnson opened the meeting and reminded those in attendance of the two special sessions, "Field and Plot-Level Methods of Disease Severity Measurement" and "Crop Losses as a Measure of Agricultural Sustainability," which were sponsored by the committee. Additionally, Johnson reported on the new policy of the Program Committee in limiting the number of special sessions for the 1992 meeting in Portland.

Forrest Nutter updated members on an initiative to develop an international crop loss database and announced the formation of a steering committee. Paul Teng discussed several aspects regarding the creation and use of such a database. Jim Burleigh stated that this crop loss database could be used to prioritize research in plant pathology and proposed that a subcommittee be formed to organize a symposium on this subject in 1993.

A special discussion session was proposed on the "Appropriateness of Different Disease Assessment Methods to Meet Evaluation Objectives" for the 1992 meeting. This session will be organized by Burleigh, Nutter, Richard Berger, and Suzanne Bissonette.

Brian Steffenson and Suzanne Bissonette will serve as chairman and vice-chairman for 1991–1992. Five nominations for new members were received.—*Brian J. Steffenson*

Postharvest Pathology and Mycotoxicology Committee. The committee met on August 17, 1991, with 12 committee members and 10 nonmembers present. Five new members were welcomed to the committee and the retiring committee members were thanked for their participation over the past 3 years.

The committee discussed program topics for future meetings. The committee agreed to host a poster and a symposium entitled "Physiology and Biochemistry of Fruit Ripening Associated with Postharvest Decays" at the 1992 meeting. The proposal for the

symposium was submitted to Council.

The composition of the officers is Chairman Wojciech Janisiewicz, Vice-Chairman Ed Cleveland, and Past Chairman Benny Bruton. Nominations for committee appointment were taken and submitted to Cleo D'Arcy.—*B. D. Bruton*

Seed Pathology Committee. Betsy Randall-Schadel called the meeting to order on August 18, 1991, with nine committee members and 17 noncommittee members present. Attendees stood in silence for a minute in memory of Alfred W. Saettler. Minutes from the 1990 meeting were read and approved.

Old business included a review of committee-sponsored special sessions. A colloquium entitled "Legal Issues in Seed Pathology" was reviewed by organizer Jon Hubbard. Hubbard acknowledged the support of 10 companies that make possible the participation of two attorneys for the colloquium and of two non-APS members in one of the discussion sessions. Norm Schaad reviewed the discussion session "Application of Innovative and Biotechnological Methods for Development of Disease Resistance." Denis McGee reviewed the discussion session "Production Practices for Control of Seedborne Diseases." Hassan Bolkan discussed the committee poster. Members were encouraged to support all of these activities with their attendance.

The committee, disappointed by the lack of a seed pathology paper or poster session, approved recommendations, including communication of the need for these sessions with the APS program chairman, requesting members to list seed pathology sessions for their papers, and requesting colleagues to submit related papers in these sessions.

Bolkan reported on the seed pathology protocol manual. Potential subjects, formats, crops, and international scope for the manual were discussed. Bolkan, McGee and G. Mink were nominated and approved to edit the manual, with Bolkan to serve as the coordinator. They are to have a defined format for the manual to the committee by October 1. B. Randall-Schadel noted that the AOSA Seed Pathology Resources Survey would be published in the AOSA newsletter this winter. McGee gave an update on the W-168 Seed Technology Working Group. The W-169 Group will accept seed pathologists and industry personnel.

Vice-Chairman Phyllis Higley proposed 1992 program topics. The committee voted to sponsor a workshop on PCR techniques with application in seed pathology. Higley will seek cosponsorship and Schaad will be the committee contact. The committee agreed to cosponsor a symposium on "Clean Planting Materials in the Tropics" with the Tropical Plant Pathology Committee. Larry Butler was approved as a speaker for that symposium. Committee approved cosponsorship of a discussion session on "Quantitative Plant Disease Detection: How Management Decisions are Affected" with the Plant Disease Detection Committee. A poster on education and job opportunities in seed pathology was approved for the 1992 meeting. Randall-Schadel, Robert Gilbertson and John Cross will prepare the poster.

Suggestions for topics to be developed for the 1993 program included a session on systematic seed health testing by Higley and a session on certification of plant pathologist for seed health testing.

A lengthy discussion followed on certification or accreditation of personnel and/or laboratories performing seed health tests. A subcommittee was approved to explore the possibility of laboratory accreditation and organizing an association of certified seed pathologists or seed health analysts. Members of this subcommittee are Chairman D. Maddox, Cochairman B. Randall-Schadel, T. L. Kuan, H. Melouk, D. McGee, N. Schaad, and G. Mink. Suggestion was made for a representative from the Regulatory Committee.

Appreciation was expressed to outgoing members of the committee and to Chairman B. Randall-Schadel. Members for the 1991–1994 term were welcomed and challenged to continue the current momentum of the committee. Nominations were accepted for members for 1992–1995.

Officers for 1991–1992 are Chairman Phyllis Higley, Vice-

Chairman Larry Butler, and Vice-Chairman-Elect Darrell Maddox.—*Betsy Randall-Schadel*

Soil Microbiology and Root Disease Committee. The committee convened on August 17, 1991, with 15 members present and 38 individuals in attendance. Don Ferrin chaired the meeting.

Larry Singleton gave an update on the book "Methods for Research on Soilborne Phytopathogenic Fungi." The manuscript has now been submitted to APS Press and is in the hands of Kenneth Barker, the APS assigned editor.

In 1991, the committee is sponsoring a discussion session entitled "Impact of Soilborne Microbes on Sustainable Agriculture," presided by Bill Bockus. A symposium, "Analytical Methods for Quantification of Root Growth and Function in Soil," will be proposed to Council for inclusion at the 1992 meeting. Jean Ristaino, Phyllis Himmel, and Wade Elmer organized the program and did an excellent job in organizing it.

Considerable discussion focused on proposals for the 1993 meeting. Ideas for three discussion sessions were proposed: "Small Talk: Signals and Sensing in the Ecology of Soilborne Pathogens" (originally proposed by Alex Filonow in Grand Rapids in 1990), "Loss of Soil Pesticides—What are the Alternatives for Disease Control?," and "Ecology of Soilborne Pathogens on Perennial Crops." The committee felt that all three subjects should have potential broad appeal at the 1993 meeting since it will be held in conjunction with SON.

The meeting was concluded by nominating individuals to serve on the committee beginning in 1992. It was decided not to elect a vice-chairman for 1993. Charles Rush and Randy Ploetz will serve as chairman and vice-chairman, respectively, for 1991–1992.—*Charles Rush*

Tropical Plant Pathology Committee. The committee met on August 18, 1991, with seven members and six nonmembers in attendance. George Abawi called the meeting to order and requested those present to introduce themselves. Copies of a tentative meeting agenda was circulated, discussed, and then approved.

Committee activities during 1990–1991 were reviewed and discussed. Abawi briefly discussed the colloquium "Cultural Practices for Management of Soilborne Diseases in the Tropics," presented August 21 with about 50 participants.

Ken Pohronezny presented the status of the proposed symposium for 1992, "Sanitary Quality of Propagating Materials in the Management of Tropical Diseases." Other APS committees, including Seed Pathology and OIP Program and Policy, have shown an interest in cosponsoring this symposium. This year's poster with OIP was on rice blast, which was organized and presented by Joe Krausz. The group agreed on the suggestion of using "Late Blight of Potatoes and Tomatoes" as the poster topic for 1992. John Matuszak was designated to represent the committee in this effort and to contact Ben Waite of OIP to coordinate the poster for the Portland meeting.

The results of a previous questionnaire to the committee in regards to ideas and topics for future activities were presented and discussed. Two topics were selected from among the 20 suggestions received. There was a consensus on sponsoring a discussion session or colloquium on "Nematode Problems in the Tropics" at the 1993 meeting. Gary Simone was requested to work on a tentative program and to contact the Nematology Committee for cosponsorship. Ray McGuire was designated to work on the other tentative topic, "Post-Harvest Diseases in the Tropics and Their Control." In addition, there was an interest in a session on diseases of representative tropical crops with tasting to be included where appropriate. The latter will be explored further at future committee meetings.

Committee meeting attendees expressed the opinion that the APS meeting program is too tightly planned, contains many conflicting concurrent sessions, and thus requires downsizing. All were in favor of increasing poster presentations and reducing oral presentations.

Ray McGuire was elected vice-chairman for 1991–1992. Ken

Pohronezny will be chairman and George Abawi the immediate past chairman.—*G. S. Abawi*

Virology Committee. The committee meeting was chaired by Ramon Jordan, recorded by Rose Gergerich, and attended by 11 members and 16 visitors. Minutes of the 1990 meeting were submitted and approved.

In 1991 the committee cosponsored a well-attended colloquium on "Tomato Spotted Wilt Virus," organized by James Matteoni and Margery Daughtrey. Two discussion sessions, "Issues in the Selection of Defined Isolates and Their Preservation for Virus Research," organized by John Hammond and Jordan, and "Mechanisms and Specificity of Insect Transmission of Plant Viruses," organized by Gergerich, were also sponsored by the committee in 1991. The committee voted to sponsor a symposium on "Transgenic Plants and Biocontrol." If this were not selected, the committee agreed to sponsor a discussion session on "PCR Technology and Applications."

Several subcommittee and special topic reports were given at the meeting. O. W. Barnett gave an update on the Plant Virus Slide Set series and ICTV activities, including a summary of the Potyvirus Working Group meeting held in Braunschweig, West Germany. Cleo D'Arcy reported on sales of the plant virology database and discussed the possibility of updating the database. John Hill, chairman of the APHIS Permit System subcommittee, reported on the committee's recommendations to APHIS to streamline the permit system for the interstate movement of specific plant viruses. The status of the ATCC Plant Virus Collection was discussed by Larry McDaniel, who expressed concern over lack of consistent financial support for the collection.

Eight nominees were selected for submission to Council for committee membership. John Hammond was elected vice-chairman for 1993–1994. R. Greamer, H.-T. Hsu, L. L. McDaniel, R. Nelson and G. A. Powell joined the committee.—*Rose Gergerich*

REPORT OF DIVISION COUNCILORS

Caribbean Division. The XXXI Annual Meeting of the Caribbean Division was held in San José, Costa Rica, May 20–25, 1991. Attendance and general arrangements were excellent, with 144 persons from 17 countries registering and 96 abstracts published in the proceedings. Of these, 37 will be published in *Phytopathology*.

The meeting consisted of invited papers (14), field tours (7), paper sessions (7), posters (2), and business and social sessions.

A highlight of the program was a special presentation by the Costa Rican Phytopathological Society to Dr. Luis Sequeira, a native of Costa Rica and distinguished member of the division. Dr. Sequeira began his career as a phytopathologist in the tropics with United Fruit Company (Chiquita), bringing recognition to both the division and APS.

A popular attraction at the meeting was the sale of APS books, t-shirts, and caps. A total of 129 items were sold at a value of \$1,696.60, a new record for the division. The most popular books were the "Compendium of Citrus Diseases" (12), "Compendium of Ornamental Foliage Plant Diseases" (12), "Compendium of Tobacco Diseases" (6), and "Tropical Plant Diseases" (6).

Division officers are Immediate Past President Carlos Araya, Costa Rica; President Conrado Daboin, Venezuela; Vice-President José María García, El Salvador; Secretary-Treasurer Jose Galindo, Costa Rica; and Councilor Jose Amador, United States.

Next year's meeting will be held in Mérida, Venezuela, during the third week of September. Daboin made an appeal to the membership to attend the meeting and represent the division as well as it was represented in Costa Rica. The meeting will be held in conjunction with a special 1-week seminar on citrus diseases to be held the previous week in Venezuela. The 1993 annual meeting will be held in San Salvador, El Salvador.

Another important activity in which many members of the division will be involved is the VI Congress of the Latin American

Phytopathological Society, to be held in conjunction with the V National Meeting of the Spanish Phytopathological Society in Torremolinos (Málaga), Spain, May 11-15, 1992.

The division remains strong, with approximately 225 paying members who are active in many phases of plant pathology in tropical and sub-tropical countries.—*José Amador*

North Central Division. The division held its annual meeting in conjunction with the APS annual meeting in St. Louis, MO. The division again offered a graduate student competition for best oral presentations and best posters. Twenty-four students competed in the oral presentation and 30 in the poster sessions. First and second place winners in the oral presentations were, respectively, H. Koenraadt of Michigan State University and T. Barta of the University of Wisconsin. First and second place winners in the poster presentations were, respectively, E. Bauske of the University of Illinois and K. Sauer of Kansas State University.

The North Central Distinguished Service Award was given to Dr. Ralph Green of Purdue University and J. Sinclair of the University of Illinois.

Division officers for 1991-1992 are President Steven Ries, University of Illinois; Vice-President Berlin Nelson, North Dakota State University; Secretary/Treasurer D. Jardine, Kansas State University; and Councilor A. Ellingboe, University of Wisconsin.

The next division meetings will be at the University of Illinois in 1992 and at North Dakota State University in 1993.—*A. Ellingboe*

Northeastern Division. The division will hold its annual meeting on November 6-8, 1991. J. D. Castello and P. D. Manion of the Local Arrangement Committee and Secretary/Treasurer G. S. Abawi have negotiated excellent meeting accommodations that should satisfy the professional, social, and budgetary needs of the membership.

President D. J. Pieczarka has contacted department chairmen in the region and conveyed his concern regarding the decline in attendance experienced during the division's last annual meeting. He has made a plea to the membership to both attend and participate via paper presentations. Special effort was also made to minimize meeting expenses in response to budget concerns facing most institutions. The site selected to meet these criteria is the Quality Inn North, North Syracuse, NY.

In addition to oral paper presentations, the preliminary program outline includes a forest pathology workshop on "Geographic Information Systems (GIS)" that will involve the use of hardware and software packages that allow scientists to collect and analyze special data (coordinated by J. D. Castello) and a symposium entitled "Impact of Environmental Issues on Directions in Plant Pathology" (coordinated by F. E. Gildow).

Currently, the staff at headquarters serves the divisions in several ways, including the collection and distribution of dues and the maintenance of division mailing lists. Three questions raised by Abawi concern problems that arise due to an annual change of personnel serving in the position of secretary/treasurer. The questions relate to: 1) The difficulty of opening new accounts, obtaining new ID numbers from the IRS, etc. Do other divisions see this as a obstacle? Is it possible to maintain a permanent bank account at HQ that may be used by the treasurer of a division?; 2) The first announcement of the division meeting consisted of 16 pages plus the abstract form. Since the various PCs and word processing software packages used among individuals and institutions are often not compatible, the text creating these pages is not on computer diskette. Is it possible to have headquarters staff maintain this type of information, make the minimal modifications required annually, and distribute or return a hard copy that the regional secretary/treasurer could then duplicate and distribute to the membership?; 3) Old records are currently passed each year to the new secretary/treasurer. Could these materials be archived at headquarters?

Input from other divisions regarding how they minimize their

time and costs related to similar matters would be greatly appreciated. Should time permit, division officers would appreciate discussing these and additional concerns with other division officers and headquarters staff during the division officers break-fast on August 18, 1991.

Division officers are President D. J. Pieczarka, Agway; Vice-President D. R. Houston, USDA; Secretary/Treasurer G. S. Abawi, Cornell/Geneva; Councilor S. P. Pernypacker, Pennsylvania State University; and Councilor Elect K. D. Hickey, Pennsylvania State.

The 1992 meeting will be held in Maine.—*S. Pennypacker*

Pacific Division. The division held its annual meeting on June 24 and 25, 1991, in Bozeman, MT. There were 98 registrants. The program featured a symposium on diagnostic techniques, which was coordinated by Dr. Michael Sun. The topics covered PCR as a diagnostic method, virus disease control in seed potato production, and commercial immunodiagnosics in detecting plant pathogens.

Thirty-three papers were presented, including 12 that were entered into the graduate student award competition. The first place award was presented to Ryo Fukui, University of California, Berkeley; second place was awarded to G. T. Browne, University of California, Davis; and third place was awarded to G. P. Munkvold, University of California, Davis. Each winner received an engraved plaque and a cash prize.

President Fred Gray presided at the business meeting. The minutes of the 1990 annual meeting were presented by Joyce Loper and were approved as presented. Dr. Loper also presented the treasurer's report. APS President George Agrios presented an overview of the parent society and past Council activities. Mary Powelson presented a report of Council actions that were not covered in Dr. Agrios' report.

The business meeting continued with a moment of silence in remembrance of John Leary. It was moved and passed that division annual dues increase to \$3. It also was approved that the division would contribute \$1,000 towards reducing the mortgage on the new addition to headquarters.

The Lifetime Achievement Award in plant pathology was established in 1990. The award is presented to senior members of the division who have made significant contributions through his or her career in teaching, research, extension, or private industry. Dr. Richard Hine, University of Arizona, received this award in 1990. Drs. Ralph Baker, Colorado State University; Ray Grogan, University of California, Davis; Donald Munnecke, University of California, Riverside; Joseph Ogawa, University of California, Davis; and George Zentmyer, University of California, Riverside, were this year's recipients. President Gray read a summary of the accomplishments of each awardee and presented a plaque to Ogawa. Other awardees were not present.

Division officers for 1991-1992 are President Gary Chastagner, Washington State University; President-Elect Stella Coakley, Oregon State University; Secretary/Treasurer Joyce Loper, Oregon State University; and Division Councilor Robert Webster, University of California, Davis.

The next meeting will be held during the annual meeting in Portland. The local arrangements chairman is Ronald Cameron. The members of the division are looking forward to hosting the 1992 meeting and anticipate that many will attend.—*Mary L. Powelson*

Potomac Division. The 48th annual meeting of the division was held March 20-22 at the University of Maryland, College Park. The Department of Botany was host to 121 registrants.

The 3-day meeting commenced with two discussion sessions. James Sherald moderated a session on "Dogwood Anthracnose—Another Chestnut Blight?" and George Bean chaired a concurrent discussion on "Natural Poisons in Our Food and Feed Stuff—An Evening of Mycotoxicology." Nine papers were presented in the graduate student paper competition. F. Davis "Tad" Smith,

Virginia Polytechnic Institute and State University, won with his presentation "Evaluation of Fungicide ASC-66825 against *Sclerotinia minor* and other pathogens of peanut using agar assays and field trials." Coauthors were P. M. Phipps and R. J. Stipes.

The first Potomac Division Memorial Fund Award for career development assistance was made to Scott Enebak of West Virginia University. This fund was initiated in memory of Joseph Worley, Jr., but has been expanded as a memorial to numerous division members who have passed away. The division also presented its Distinguished Service Award to Hugh D. Sisler, University of Maryland, in recognition of his many contributions to the science of plant pathology.

New officers for the 1991–1992 year are President Suzanne S. Hurtt, USDA-ARS; Vice-President Kenneth L. Deahl, USDA-ARS; Secretary/Treasurer Arvydas P. Grybauskas, Maryland; Councilor William L. MacDonald, West Virginia; and APS Councilor-at-Large Sue A. Tolin, Virginia.

The 49th annual meeting will be held at the University of Delaware, Newark, DE, March 18–20, 1992.—*William L. MacDonald*

Southern Division. The division held its 68th annual meeting in Raleigh, NC, March 24–26, 1991. The meeting was hosted by the Department of Plant Pathology, North Carolina State University, and was attended by 141 members.

The meeting format was changed for this meeting and featured a half-day symposium entitled "Pesticides and the Environment," organized by Dr. Allison Tally, Ciba-Geigy Corp. Five speakers representing industry, the university, environmental organiza-

tions, and government presented concerns and views on pesticides. Seventeen posters and 12 oral papers were presented.

Nine papers were entered in the graduate student competition. Susan R. Kendig, University of Arkansas, was the first place winner for her presentation "Suppression of *Thielaviopsis basicola* with hairy vetch amendments," coauthored by Craig Rothrock. Tying for second place were Carolyn Bowen, Oklahoma State University, for her presentation entitled "Effect of chemical protectants in reducing the incidence of *Sclerotinia minor* in peanut seed," coauthored by H. A. Melouk and K. E. Jackson, and Scott Nelson, North Carolina State University, who presented "Effects of host growth and defoliation on progress of leaf spot epidemics on white clover," coauthored by C. Lee Campbell.

Dr. Cedric Kuhn, University of Georgia, received the division's "Outstanding Plant Pathologists Award". The meeting concluded with tours to the Research Triangle, Ciba-Geigy BioTechnology Center, Rhone-Poulenc Headquarters, and the SAS Institute.

During the business meeting, members voted to contribute \$1,000 to APS to help retire the mortgage on the new addition to APS headquarters.

Officers for 1991–1992 are President Allison Tally, Ciba-Geigy Corp.; Vice-President Don Sumner, University of Georgia; Secretary/Treasurer John C. Rupe, University of Arkansas; Councilor Kenneth E. Conway, Oklahoma State University; and Past President C. Lee Campbell, North Carolina State University.

The next meeting will be held February 1–5, 1992, in Lexington, KY, in conjunction with the Southern Association of Agricultural Scientists.—*Kenneth E. Conway*