

# Eighty-First Annual Report of the American Phytopathological Society

Historic Richmond, VA, was the setting for the 81st Annual Meeting of the American Phytopathological Society, where 1,730 registrants gathered to discuss many aspects of our science. At the Plenary Session diverse topics included the addresses "Molecular Aspects of Host Specificity in the Rice Blast Fungus" by B. S. Valent of E. I. du Pont de Nemours & Co.; "Remote Detection of Crop Stress: Application to Plant Pathology" by J. Hatfield of the USDA National Soil Tilth Laboratory; the President's Forum address by W. Dowdle, president of the American Society for Microbiology; and the President's Address by D. Mathre, which dealt with results of the membership survey and the rationale for the Council's decision to proceed with an addition to our headquarters building in St. Paul.

Diversity of research interests was evident in the scientific sessions. In the 70 contributed paper sessions (38 oral and 32 poster sessions), 706 presentations addressed topics such as molecular biology of pathogens, integrated pest management, epidemiology, crop diseases, biological control, pathogen detection, host-pathogen relationships, seedborne diseases, new industry products, resistance, genetics, and mycotoxicology.

Symposia at the meeting covered the diverse topics of "The Genetic and Biochemical Basis of Biological Control," "Phytopathogenic Root Rot," and "Factors Involved in Host-Parasite Interactions." Seventeen discussion sessions, four colloquia, two workshops, two forums, and a teach-in rounded out the scientific program. Additionally, premeeting tours, technical committee meetings, 44 APS committee meetings, breakfasts, luncheons, socials, and a cruise aboard the Annabel Lee attracted many participants.

The Publisher's Book Display contained books from at least 10 publishers, and APS Press had a prominent display. Book sales at the meeting were more than \$16,000. Booth exhibits featured displays from commercial companies, publishers, the American Type Culture Collection, and the Southern Soybean Disease Workers.

The APS Foundation approved two awards for 1989. A proposal submitted by Dr. Rosemary Loria, chairman of the ad hoc Women in Plant Pathology Speakers Bureau Committee, was funded for up to \$1,500. The objective is to enhance the graduate experience for female plant pathologists by providing increased interaction with female role models. A Genesis Award for \$1,495 was made to L. Delserone, A. Collier, and P. Mullin of Cornell University for their proposal to improve teaching through an innovative laboratory approach to molecular biology.

A major activity of the Foundation (jointly with APS Council) this year was establishing mechanisms for the Endowment/Building Fund Drive. The joint Endowment/Building Fund Committee is composed of C. W. Boothroyd, M. K. Brakke, W. M. Dowler, W. E. Fry, M. C. Shurtleff, J. S. Mignucci, H. V. Morton, A. O. Paulus, and L. H. Purdy, with E. L. Kendrick and R. E. Ford as cochairmen.

Construction of the building addition is scheduled for completion in 1989. This new space will give our staff safe and efficient working conditions and will allow for continued growth of APS.

The Endowment/Building Fund Committee initiated a fund drive, with the principal to be used to pay for the new addition. In coming years, APS will repay the APS Foundation for this interest-free loan from operating accounts and thereby establish an APS Endowment Fund. Thus, rather than paying large amounts of interest for loans to finance the addition, your gifts through this creative financing plan will pay for the building and establish an endowment.

The Office of International Programs has developed over the last 3 years into an important component of APS with committees of its own. It has a 12-member board of directors and committees on Policy and Programs, Communication, Laboratory Assistance, Library Assistance, Professional Development, Placement and Registry, Projects, Regional Contacts, and liaison with subcommittees for academic institutions, banks, industry, international agricultural research centers, private volunteer organizations, societies, and U.S. government institutions. Charlie Delp was appointed to a second term as director of the OIP. Ideas, activities, and projects are aimed at helping Third World agriculture.

Fourteen members were elected Fellows at the Richmond meeting: C. H. Beckman, E. Brennan, J. M. Duniway, D. W. French, C. W. Horne, J. G. Moseman, R. Rodríguez-Kábana, G. E. Shaner, M. R. Siegel, J.-C. Tu, J. Van Etten, R. K. Webster, H. D. Wells, and G. L. Worf. The Extension Award was presented to W. R. Stevenson, the Teaching Award to H. S. McNabb, Jr., the Ruth Allen Award to T. P. Pirone, and the Ciba-Geigy Award to L. V. Madden.

Recently more than half of the total APS members responded to a member survey. Members of the ad hoc committee and the Council have read and analyzed responses, and the committee presented its findings in *Phytopathology News* and on an excellent poster at Richmond. Five major areas of concern about APS were evident from the survey: 1) financial matters, 2) public awareness of our discipline, 3) integration of foreign members into the Society, 4) students and student recruitment, and 5) involvement of young members in Society affairs. In response, the Council established an ad hoc Graduate Student Committee to assist graduate students to become more involved in APS. Other responses to the survey are being studied by the Council.

At the annual business meeting, members approved offering *Molecular Plant-Microbe Interactions* as a journal option for APS members as a step to increase participation of molecular biologists working in the area of plant pathology.

APS Press continues to be successful. Sales continue to increase as more publications in diverse areas of our discipline are being produced. *Phytopathology* and *Plant Disease* are being published on schedule and are important avenues for publication by many APS members. However, fewer manuscripts have been submitted in recent years, which may reflect a shift to research in molecular areas and other kinds of research that may be published in other journals.

APS representatives were active during the year in some important contacts with other societies and agencies. Past presidents serve as the APS representative to the National Research Council Board on Agriculture. Past President Al Weinhold was present at the Board on Agriculture meeting where the National Initiative for Agricultural Research was discussed. He and representatives from other agricultural scientific societies had input into this initiative and informed APS Council and department heads about this major development that could affect our research for years. Ellis Cowling, a member of the Board on Agriculture, explained the importance of the Board as a recognition to agriculture in the National Academy of Sciences.

W. M. Dowler, APS representative to the American Type Culture Collection (ATCC), has taken APS concerns to ATCC and this year helped bring information about changes and advances at ATCC before the APS Council. The associate director for science at ATCC, W. C. Dermody, spoke to the Council about ATCC. ATCC and APS are working with officials in APHIS on ways to facilitate interstate movement of plant pathogens for

teaching and research purposes.

Dr. Patrick Jordan, president of AIBS, spoke to the Council about the voice of AIBS for the biological sciences. This discussion was made possible through the efforts of our representative to AIBS, Laurence D. Moore.

Members of the Caribbean Division are working with other plant pathology societies in South and Central America on the formation of a Federation of American Societies of Plant Pathology to encourage closer ties among plant pathologists in the Americas, an idea that may at last reach fruition.

Sites for the next APS meetings are Grand Rapids, MI, August 5-9, 1990; St. Louis, MO, August 18-22, 1991; Portland, OR, August 8-12, 1992; Nashville, TN, November 7-11, 1993; and Acapulco, Mexico, July 24-28, 1994.

The Richmond meeting exemplified the diversity and quality of our science and Society. It was an exciting meeting and another eventful year has started.—O. W. Barnett, Secretary

## REPORT OF COUNCIL MEETINGS

President Don E. Mathre presided at the midyear Council meeting held at APS Headquarters March 31–April 2, 1989, as reported in *Phytopathology News* (Vol. 23, No. 6, 1989), and at the 1989 APS Council meetings held in Richmond August 18–24. President Paul H. Williams presided at the new Council meeting on August 24. All Council members were present. Persons completing terms on the Council and new Council members are listed in the Report of the Business Meeting.

Treasurer D. W. French reported that APS is financially sound. The Financial Advisory Committee monitors APS finances throughout the year. The impact of the new building addition on the financial well being of APS will be watched closely. Cooperation with the APS Foundation in a drive for an Endowment/Building Fund should allow our organizations to achieve two goals: a new addition built with a minimum of interest paid on a building loan and eventually an Endowment Fund.

Cooperation among scientific societies, especially those in plant sciences, was a frequent topic at both Council meetings. APS Council representatives W. Fry and A. Weinhold have attended several meetings of the Board on Agriculture, which is part of the National Research Council of the National Academy of Sciences. Ellis Cowling, a member of the Board on Agriculture, explained that the National Academy of Sciences is an honorific and a working organization. The Board on Agriculture reports directly to the National Research Council, the working arm of the Academy. Medicine, engineering, and agriculture are the three applied areas of sciences. Medicine and engineering have associated academics.

The Board on Agriculture was developed to give agriculture similar recognition. Once or twice a year the Board invites representatives from all agriculturally related societies to meet with them. These representatives have a great deal of enthusiasm. The Board is recommending a large increase in funding for agricultural sciences.

The Intersociety Consortium on Plant Protection has not been very effective in recent years. The Entomological Society of America withdrew from this Consortium. The Council decided to suspend APS participation in the Consortium at least until a new focus could be developed.

The Council also discussed ways to better utilize APS representatives to communicate APS activities and goals to our affiliates. At Richmond, the Council had productive discussions with staff and APS representatives of the American Type Culture Collection (Bill Dowler, APS representative; W. Chris Dermody, science director; and Larry McDaniel, plant virology curator) and the American Institute of Biological Sciences (Larry Moore, APS representative, and Patrick Jordan, AIBS president). Council members hope that these active relationships with other societies will lead to a fuller understanding of our science by sister societies, give us a better understanding of other societies, and help establish a more positive image for plant sciences.

The Council is working to implement suggestions and address

problem areas raised by members in the recent survey. At the midyear meeting, major concerns were consolidated into five areas: member expense, public awareness, international aspects, youth education about science, and student and younger member concerns. An ad hoc committee of P. Williams, G. Agrios, and C. D'Arcy was established to make suggestions for action in these areas by the Council.

At Richmond an ad hoc Graduate Student Committee was proposed to give graduate students a way of becoming more involved in the meeting program and in Society affairs. This committee will begin with graduate students as members and division councilors as liaison. Jim Cook of the Awards and Honors Committee prepared a poster of Divisional Student Paper Award winners. President Williams is expanding APS involvement in the area of science education. Many suggestions were made about graduate student recruitment and international involvement, which will be discussed further at the midyear meeting.

At midyear the Financial Advisory Committee was reorganized. The member-at-large was replaced by a division councilor. This move reduces travel expenses to midyear meetings while maintaining membership representation through the councilors elected by divisions. The past treasurer position was replaced with a treasurer-elect position to serve during the final year of the treasurer's term. A subcommittee of the Financial Advisory Committee was established to advise and formulate policies on APS investment funds.

A position of editor-in-chief-elect was established for APS Press to serve 1 year prior to the end of the current editor-in-chief's term. APS Press is serving our Society well, as shown by the increased sales in successive years.

M. Benson, editor-in-chief of *Phytopathology*, reported on results of a survey to determine authors' reactions to the review process (see Reports of Society Publications). Most authors found the review process helpful and positive.

After some discussion, Council agreed to leave publication of "Fungicide and Nematicide Tests" with the New Fungicide and Nematicide Data Committee.

*Plant Disease* Editor-in-Chief W. A. Sinclair is concerned about the decline of manuscripts submitted to *Plant Disease*. *Phytopathology* also has had a decline in submissions. This may reflect decreases in graduate student numbers or shifts in types of research conducted. Members are encouraged to submit manuscripts to Society journals.

New computer typesetting systems have been installed at headquarters. The new scanner will scan more kinds of type. These systems are making many aspects of headquarters operations more efficient.

The Public Responsibilities Committee studied an article in ecology that dealt with release of engineered organisms. AIBS was asked to seek endorsement of this article by all biological societies. The committee recommended that APS not adopt this article as the APS position and that APS and other organizations wait until a National Academy of Sciences report on this subject is published before taking further action.

The Council heard reports and requests as well as asked for help from a number of committees. Most APS committees are active and serve the Society in many useful ways.

Several key appointments were made by the Council (see Report of the Business Meeting). All Council meetings are open to any member. Please join us or at least talk with the councilors about your likes and desires for our Society.—O. W. Barnett, Secretary

## REPORT OF THE BUSINESS MEETING

President Don E. Mathre called the meeting to order on Wednesday, August 23, in Salon E of the Richmond Marriott Hotel. Al Weinhold was appointed parliamentarian. The agenda was presented and approved.

President Mathre summarized important events of the year. He has worked to utilize results of the membership survey to improve the Society. An ad hoc committee chaired by Mary Powelson studied child care needs at annual meetings. Child care



is desired by a number of members and will be implemented where possible.

*Molecular Plant-Microbe Interactions*, started under the direction of George Bruening, has a new editor-in-chief, Luis Sequeira. President Mathre emphasized that the APS Council is fully behind the success of this journal, which is very important to the growth of APS.

President Mathre and other APS members from North America attended the Caribbean Division meeting in Cali, Colombia. The formation of a Federation of American Plant Pathological Societies was discussed. APS Council supports the formation of this federation.

The secretary and treasurer gave reports. Customary committee reports also were presented including Necrology by O. W. Barnett and Site Selection by George Agrios. Publications were reviewed by R. Smiley, APS Press editor-in-chief; L. Sequeira, editor-in-chief of *Molecular Plant-Microbe Interactions*; and M. Benson, editor-in-chief of *Phytopathology*. A report from W. Sinclair, editor-in-chief of *Plant Disease*, was distributed.

Charlie Delp, director of the APS Office of International Programs, reported on the many activities of this office. A booth was staffed at this meeting to inform members about the international activities of APS and OIP members. The Council expanded the Board of OIP and the International Activities Committee was integrated into OIP.

Jim Tammen, chairman of the APS Foundation Board, announced Foundation awards made this year. Rosemary Loria, Cornell University, was awarded up to \$1,500 for the Women in Plant Pathology Speakers Bureau. Leslie M. Delserone accepted the Foundation Genesis Award for several faculty at Cornell University for innovative teaching of laboratory aspects in molecular biology.

Dr. Tammen explained the Building/Endowment Fund Campaign. There are two major challenges for achieving the goal of a \$500,000 endowment fund. There must be broad participation by APS members and several people will need to give significant gifts. Cochairmen of the fund drive are Ed Kendrick and Dick Ford. The principal from this fund will be used initially to pay for the new building addition. APS will then repay the Foundation for this interest-free loan over time from operating income; repayment will result in the establishment of an APS Foundation Endowment Fund.

Appreciation was expressed to Dr. G. S. Pound for serving on the Foundation Board. Two new members joined the APS Foundation Board of Directors at the Richmond Meeting: John L. Lockwood was elected by the Foundation Board, and Anne K. Vidaver was elected by the APS Council. Officers of the Foundation for the next two years are Chairman J. F. Tammen, Vice-Chairman B. G. Tweedy, and Secretary/Treasurer R. J. Green.

The constitutional changes were approved by the membership. *Molecular Plant-Microbe Interactions* was approved as a journal option with membership; the *Plant Disease* Advisory Board was incorporated into the *Plant Disease* Board; and the term "associate editor" was changed to "senior editor" for APS Press.

A resolution was read and approved with change of "this" to "the American Phytopathological Society." This resolution reads as follows:

BE IT RESOLVED THAT the action of the Council and Officers of the American Phytopathological Society in joining with the American Association of Cereal Chemists to contract with Donlar Construction as General Contractor and various subcontractors for the construction of an addition of approximately 11,300 square feet to the joint headquarters building located at 3340 Pilot Knob Road, Eagan, MN, and entering into a Construction Loan Agreement for the construction financing and permanent financing for said improvement with Norwest Bank in an amount of \$600,000.00, to be secured by a mortgage upon said premises, be and the same is hereby approved and ratified in all aspects.

President Mathre thanked the APS members for giving him the opportunity to serve the Society as president. He also expressed appreciation to the following for their service to APS: Al Weinholt, past president; Bill Fry, senior councilor-at-large; Jim McGuire, Southern Division councilor; Jay Stipes, Potomac Division councilor; and O. W. Barnett, secretary. The Local Arrangements Committee, composed of Chairman Laurence D. Moore, S. A. Alexander, A. B. Baudoin, C. S. Johnson, G. H. Lacy, R. J. Stipes, and E. L. Stromberg, gave tirelessly of their time to make the meeting a success. The Richmond meeting was made possible by the dedicated efforts of APS staff.

The gavel was passed to Paul Williams, president for 1989-1990, who introduced new Council members. Sue Tolin was elected as the new councilor-at-large and O. W. Barnett was elected vice-president. Molly Cline will be the new secretary. The new Potomac Division Councilor is Bill MacDonald and the new Southern Division Councilor is Ken Conway. President Williams thanked Mathre for his excellent leadership this last year. Williams encouraged APS members to meet the challenges ahead by engaging in continued self enlightenment, improving the quality of our science, and renewing our commitment to education.—O. W. Barnett, Secretary

## REPORT OF OFFICERS

**Report of the President.** *Publications.* APS Press has continued to be one of the real success stories of our Society. The number of excellent publications being developed and printed has served the members well in providing timely, reasonably priced, and well-written and illustrated compendia, books, lab guides, etc. The future promises to continue this activity under the able leadership of R. W. Smiley.

*Molecular Plant-Microbe Interactions* (MPMI) has gone through its second year of publication with the future now looking quite promising since the number of manuscripts being submitted and published is increasing. Our hope is that this publication will become monthly sometime in the not-too-distant future. With the change in our bylaws to allow MPMI as one of the journal options of membership, we hope to entice those plant pathologists with interests in molecular biology to become active members of APS.

Taking on the publication of a new journal is always a risky business for any scientific society, but the APS officers felt that there was a great need for such a journal to enable our members and others with related interests to publish their work in an APS publication. We hope that this will serve to help keep our Society an active and energetic organization, serving the needs of plant pathologists with interests all across the scientific spectrum, from the very basic to the very applied aspects of our profession. APS owes its thanks to the first editor-in-chief, George Bruening, and the current editor-in-chief, Luis Sequeira, for their efforts in launching MPMI and keeping it afloat.

*Headquarters Building Addition.* After the fire that destroyed the APS headquarters building in 1969, a major decision was made to mount a major fund-raising campaign to allow the purchase of land and construction of a new headquarters building in Eagan, MN. This joint venture with the American Association of Cereal Chemists (AACC) has been of great benefit to APS in providing physical space where all of the activities necessary for the operation of a modern professional scientific society can be conducted. From a staff of eight in 1970 to the current staff of 55, the activities of the two societies have outgrown the current space.

A decision by the Headquarters Operation Committee, a joint committee of APS and AACC, to add on to the current building was reached after a thorough analysis of the options available, including sale of the current building with construction of a new building in a less costly location, leasing of additional space, and farming out of many of our publishing activities. The building addition was determined to be the best from the standpoint of cost and maintenance of our current operations without undue delay in publication of our several journals. The councils of APS

and AACC approved this decision, which was ratified by APS members at our annual meeting in Richmond, VA. Construction began during the summer of 1989 and is scheduled for completion in 1989. Development of this additional space will assure that the headquarters' physical facility will continue to serve us far into the future and provide the resource whereby our headquarters' staff can carry out the functions that we have deemed necessary and desirable for the operation of the world's leading professional society of plant pathologists.

To finance the building addition, the Council asked the APS Foundation to mount a combined fund-raising campaign to support the long-range endowment goals of the Foundation and to retire the \$300,000 debt on the new addition. Under the able leadership of Drs. E. L. Kendrick and R. E. Ford, this campaign was launched just before our annual meeting in Richmond. I and the rest of the Council certainly want to thank the APS Foundation, Foundation Chairman Jim Tammen, Drs. Kendrick and Ford, and the rest of the APS Foundation Board of Directors for taking on this responsibility. However, an additional thanks is extended to you, the members, who have elected to provide the financial support that will make this entire endeavor successful and keep APS on the forefront of professional excellence.

**Divisional Meetings.** I had the pleasure of attending four of the APS divisional meetings this year to meet with many of you to discuss the current status of APS and learn of your concerns and suggestions. Every president who does this comes away feeling that one of the strengths of our Society is the diversity of interests that is exhibited by the members of the various divisions. I certainly concur in that feeling and hope that our divisions will continue to be a healthy aspect of APS.

**American Federation of Plant Pathological Societies.** In July, I had the pleasure of attending the APS Caribbean Division meetings in Cali, Columbia. Discussions were held on the possibility of developing a federation of plant pathologists living and working in the Americas. Dr. Francisco Morales was chosen as the temporary secretary to work toward the development of this organization.

**Member Survey.** During 1988 a member survey was conducted to determine the attitudes, needs, and concerns of each member of APS. The response to this survey was indeed amazing with more than 50% of the members returning the survey. The majority seemed to be well satisfied with APS and the way it is functioning. The results were published in *Phytopathology News*.

Included in the 2,200 responses were more than 700 written answers to six questions that had been posed. The Council carefully considered these written responses, as well as the "marked" responses, at the 1989 midyear Council meeting and determined that there seemed to be five major areas of concern. These were: 1) financial matters including membership dues, page charges, annual meeting expenses, etc.; 2) public relations and the public's awareness of what we do as plant pathologists; 3) interactions with our foreign members including journal costs, time to receive the journals, access to the Society; 4) students and student recruitment; and 5) involvement of our young members in the affairs of the Society. I charged the councilors-at-large to find ways that the Council should address these concerns. At our annual meeting in Richmond, the Council voted to have appointed an ad hoc committee on graduate students that will consider various ways to provide access to Society affairs for graduate students.

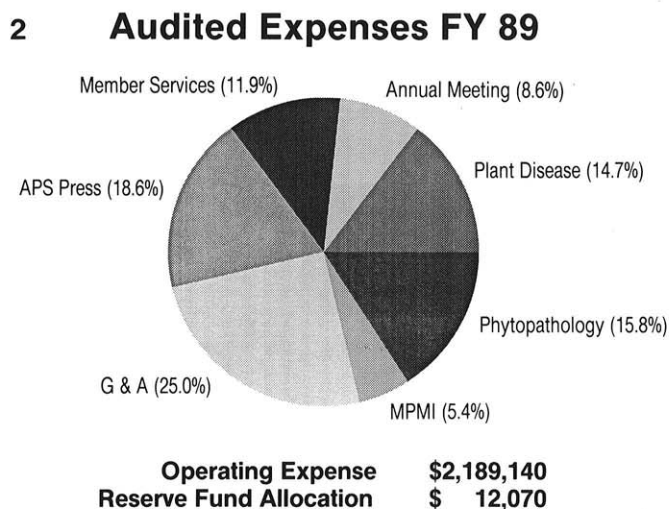
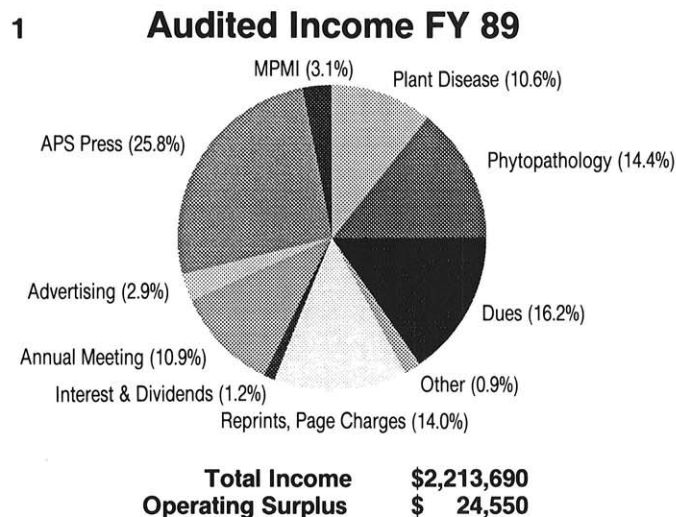
**Expression of Thanks.** I would like to take this opportunity to thank the many individuals who have helped to make this past year one that I will long remember. This includes members of the Council, who have been extremely cooperative and helpful in all that they have been asked to do; staff members at APS headquarters, who go out of their way to make the job of president as enjoyable as it can be; and especially our Executive Vice-President Raymond Tarleton, whose wisdom, knowledge, and advice were always pertinent and in the best interests of the Society.

Finally, many thanks to you, the members of APS, who gave me the opportunity to serve the Society in this way.—Don Mathre

**Report of the Treasurer.** The Society completed its fiscal year on June 30 with a surplus (before reserve allocations) of \$24,550 and a total income of \$2,213,690. This surplus is almost twice that budgeted in March 1988. It was accomplished in spite of anticipated and actual losses from the start-up of *MPMI*. The major contributor to the very good showing in this past year was APS Press, which generated about \$75,000 more than budgeted from book sales.

Assets as of June 30, 1989, were \$1,598,642 and liabilities were \$1,214,334, producing a membership equity of \$384,308. Income sources for the year are shown in Figure 1. Note that membership dues represent only 16.2% of total income, down from 16.3% last year. The drop is not a result of fewer members but of more income being generated from nondues sources such as book sales. Library or nonmember subscription income from *Phytopathology*, *Plant Disease*, and *MPMI* is shown individually. Total journal income representing 28.1% is down from last year's total of 29.4%. We see evidence that libraries continue to have tight budgets that force a reduction in journal subscriptions. The substantial cost of some commercial journals exacerbates the problem. APS Press contributed 25.8% of the income vs. 22.9% last year. Other income sources shown are the annual meeting at 10.9%, reprints and page charges at 14%, advertising sales at 2.9%, interest and dividends at 1.2%, and miscellaneous at 0.9%.

Figure 2 shows expenses allocated by similar functions. Note that the largest single cost is the production of journals at 35.9% of total expenses. Member services at 11.9% includes such





activities as division dues collections and mailing list shipments, staff support to committees and officers, support to department heads in the form of the annual survey, preparation of the membership directory, recording changes of address (more than 35% of our members make some type of change in their record each year), servicing the APS Foundation and Office of International Programs, and many other services. G & A or the cost of administration at 25% is down slightly from last year and compares favorably with national averages of similar organizations. Remember that the program or function percentages on the two figures cannot be directly compared because they are based on different dollar totals.

Members should be aware that societies vary greatly in the amount of surpluses and reserves generated. This year's surplus is 0.012% of the total income. Not a very significant amount compared with some organizations, but within our normal range if the investment in *MPMI* is considered. This year, the *MPMI* deficit is approximately \$36,000. This is not excessive when compared with our experience with the start-up of *Plant Disease*, but is without the generous USDA grant support that we enjoyed during the first three years of publication of *Plant Disease*.

The number of members appears to have enjoyed a small increase this past year. Student membership shows a slight increase over last year as do all other categories. The membership committee, with staff support, recruited more new members this past year than in any of the past six fiscal years.

The budget for FY90 suggests a deficit of about \$23,000. Part of this deficit will be the investment in *MPMI* and part the new headquarters addition. The full impact of the latter will not be felt until FY91. It is important that members realize the long-term significance of both projects and lend their full support. *MPMI* is designed to broaden our scope and meet the publication requirements of many potential members. Part of the Society's future is in this direction. The headquarters addition will provide badly needed working space for current and future activities of APS. It represents an investment in our future that will appreciate in value as has our current building. We need you help in supporting this project through the APS Foundation.

Members of the Financial Advisory Committee have been generous of their time and sound advice over the past year. I thank them and the headquarters staff for their continued support.—  
*David W. French, Treasurer*

**Report  
of the  
Auditor**

We have audited the balance sheets of The American Phytopathological Society (a nonprofit corporation) as of June 30, 1989 and 1988, and the related statements of income and expenses and membership equity, and cash flows for the years then ended. Our examination was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying statements present fairly the financial position of The American Phytopathological Society at June 30, 1989 and 1988, and the results of its operations for the years then ended, in conformity with generally accepted accounting principles applied on a consistent basis.—  
*Phillips & Swanson, Certified Public Accountants*

**Notes to Financial Statements  
June 30, 1989 and 1988**

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

**Accounting Procedures.** The accounts of the Society are maintained in accordance with the principles of fund accounting. Under this method, major expense categories are established according to their nature and purpose. The costs of various programs have been summarized on a functional basis. Certain costs have been allocated among the programs and supporting services benefited.

These statements do not include financial data for geographical divisions which are composed of members of the Society. These divisions maintain their own financial records and costs of activities.

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

**Property, Equipment, and Leasehold Improvements.** Property, equipment, and leasehold improvements are included at one-half the total costs of these assets. The American Association of Cereal Chemists, Inc. shares equally in the cost of the property and shares headquarter space with the Society.

Summary of property, equipment, and leasehold improvements:

	June 30,	
	1989	1988
Land	\$ 27,047	\$ 27,047
Building and improvements	259,967	209,519
Parking lot	10,075	10,075

	June 30,	
	1989	1988
Equipment	204,493	240,333
Obligation under capital lease	54,481	...
	556,063	486,974
Less—accumulated depreciation	270,487	272,297
	\$285,576	\$214,677

Depreciation is computed over the estimated useful lives of the assets on a straight-line basis.

**Note B: Marketable Securities**

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

	June 30,	
	1989	1988
\$2000 Western Union Bonds maturing 1992	\$ 2,060	\$ 2,060
230 common shares Pacific Lighting	6,088	6,088
110 common shares General Motors and 10 common shares Electronic Data Systems and 10 common shares Hughes Electric Corp. at June 30, 1988 and 5 common shares Hughes Electric Corp. at June 30, 1987 (above two received as dividends on General		

	June 30,	
	1989	1988
Motors shares)	10,662	10,662
27 common shares		
St. Paul Securities, Inc.	317	317
14 units Paine Webber Corporate Securities Trust	14,075	14,075
735 common shares		
Commonwealth Edison Co.	25,125	25,125
636 common shares Pennsylvania Power & Light Co.	25,257	25,257
716 common shares Southern California Edison Co.	25,015	25,015
416 common shares Tucson Electric Power Company	25,043	25,043
Total cost	<u>133,642</u>	<u>133,642</u>
Approximate fair market value at June 30, 1989 and 1988, respectively	<u>\$122,214</u>	<u>\$133,723</u>

#### Note C: Shared Expenses

In addition to sharing the headquarter space and occupancy expenses with The American Association of Cereal Chemists, Inc., certain office and administrative expenses are paid jointly by the two societies. Such expenses are prorated in relation to payroll and other measures.

The account payable to the AACC in the amounts of \$31,426 and \$35,176 at June 30, 1989 and 1988, respectively, represent unpaid shared expenses.

#### Note D: Pension

There were no changes made to the actuarial assumptions or

the actuarial cost method this year. As of the latest valuation date, the plan remained top heavy, hence requiring the minimum benefits for nonkey employees and the more rapid vesting schedule.

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

In all years prior to the year ended March 31, 1983, the Association has vested the maximum deductible contribution in the plan. The actuary has advised the credit balance in the funding standard account can be used to reduce future contributions. The liability recorded represents the Association's estimate of the current year's plan contribution, accrued to date, based on a contribution of the minimum allowed account, with no further reduction to utilize a portion of the credit balance in the funding standard account.

No unfunded actuarial accrued liability exists as of the latest pension plan report dated September 1, 1987.

#### Note E: Deferred Revenues

Deferred revenues represent advance receipt of amounts not earned but which will be included in income in future years. The amount shown represent

	June 30,	
	1989	1988
Membership dues	\$205,235	\$185,203
Subscriptions - <i>Phytopathology</i>	165,149	161,154
<i>Plant Disease</i>	122,777	123,071
<i>MPMI</i>	54,860	36,483
Annual meeting	35,548	9,337
Annual reviews	2,899	140
Books and other	38,128	35,919
	<u>\$624,596</u>	<u>\$551,307</u>

#### Annual Financial Statement of The American Phytopathological Society Balance Sheet—June 30, 1989 and 1988

	Current Operating Fund	Restricted (Schedule Attached)	Total All Funds June 30,	
			1989	1988
<b>Assets</b>				
<b>Current Assets:</b>				
Cash—Checking	\$ 17,407	\$ ...	\$ 17,407	\$ 813
Savings	470,794	175,609	646,403	608,798
Accounts receivable	161,593	...	161,593	150,498
Inventories	268,226	...	268,226	247,816
Prepaid expenses	85,795	...	85,795	99,859
Marketable securities	10,662	122,980	133,642	133,642
	<u>\$1,014,477</u>	<u>\$298,589</u>	<u>\$1,313,066</u>	<u>\$1,241,426</u>
<b>Property, Equipment and Leasehold Improvements</b> (at cost less accumulated depreciation)	285,576	...	285,576	214,677
	<u>\$1,300,053</u>	<u>\$298,589</u>	<u>\$1,598,642</u>	<u>\$1,456,103</u>
<b>Liabilities and Membership Equity</b>				
<b>Current Liabilities</b>				
Accounts payable	\$ 208,056	\$ ...	\$ 208,056	\$ 66,944
Due to American Association of Cereal Chemists, Inc.	31,426	...	31,426	35,176
Accrued payroll	...	...	...	26,509
Accrued pension	37,000	...	37,000	37,000
Property taxes payable	14,667	...	14,667	12,547
Deferred revenue	624,596	...	624,596	551,307
	<u>915,745</u>	<u>...</u>	<u>915,745</u>	<u>729,483</u>
<b>Membership Equity</b>	384,308	298,589	682,897	726,620
	<u>\$1,300,053</u>	<u>\$298,589</u>	<u>\$1,598,642</u>	<u>\$1,456,103</u>

(See accompanying notes and independent auditor's report.)

**Note F: Contingent Liability—Employee Benefits**

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

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

Claims paid during the current year totaled \$27,650.

**Note G: Current Restricted Funds**

The Society maintains seven (7) funds which are restricted by the donor, grantor, or other for particular operating purposes or for plan acquisition. These funds are reported separately.

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

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

The APS Building Maintenance Reserve was established by the Council. The purpose of the reserve is to provide funds for replacement of major mechanical equipment in the headquarters

**Statement of Current Funds Income and Expenses and Membership Equity  
for the Years Ended June 30, 1989 and 1988**

	Current Operating Fund	Restricted (Schedule Attached)	Total All Funds June 30,	
			1989	1988
<b>Income</b>				
Membership dues	\$ 358,753	...	\$ 358,753	\$ 323,305
Subscriptions	622,366	...	622,366	560,212
Reprints	64,482	...	64,482	74,298
Abstracts	26,658	...	26,658	32,475
Page charges	166,078	...	166,078	165,802
Back issues	32,485	...	32,485	23,935
Books	568,584	...	568,584	435,331
Color charges	19,181	...	19,181	15,903
Annual reviews	11,599	...	11,599	14,835
Annual meeting	241,970	...	241,970	176,632
Advertising	63,898	...	63,898	50,362
Other	11,433	...	11,433	7,781
Total operating income	\$2,187,487	\$ ...	\$2,187,487	\$1,880,871
Contributions received	...	15,518	15,518	11,614
Investment income	26,203	31,577	57,780	45,510
Total income	\$2,213,690	\$ 47,095	\$2,260,785	\$1,937,995
<b>Expenses</b>				
Member services	\$ 224,768	...	\$ 224,768	\$ 170,439
<i>Phytopathology</i>	346,152	...	346,152	364,410
<i>Phytopathology News</i>	36,099	...	36,099	30,552
<i>Plant Disease</i>	321,821	...	321,821	289,612
<i>MPMI</i>	118,710	...	118,710	67,831
Books	406,249	...	406,249	340,654
Annual meeting	187,963	...	187,963	148,459
Building operations and depreciation	52,075	...	52,075	52,173
Awards/other disbursements	...	115,368	115,368	817
General administration	483,233	...	483,233	433,841
Transfer to accrued reserves	12,070	...	12,070	...
Total expenses	2,189,140	115,368	2,304,508	1,898,788
Excess of income over expenses	24,550	(68,273)	(43,723)	39,207
<b>Membership Equity, Beginning of year</b>	359,758	366,862	726,620	687,413
<b>Membership Equity, End of year</b>	\$ 384,308	\$298,589	\$ 682,897	\$ 726,620

(See accompanying notes and independent auditor's report.)



**Statements of Cash Flows  
for the Years Ended June 30, 1989 and 1988**

	1989	1988
<b>Cash Flows from Operating Activities</b>		
Sales	\$2,249,681	\$1,897,217
Interest received	57,780	45,510
Miscellaneous income	15,518	11,614
	<u>2,322,979</u>	<u>1,954,341</u>
Cost of goods sold and operating expenses	2,143,235	1,888,978
Interest paid	2,571	602
	<u>2,145,806</u>	<u>1,889,580</u>
Net cash provided by operating activities	<u>177,173</u>	<u>64,761</u>
<b>Cash Flows from Investing Activities</b>		
Purchase of property and equipment	(122,974)	(14,866)
Increase in investments	...	(146)
Net cash used in investing activities	<u>(122,974)</u>	<u>(15,012)</u>
<b>Cash Flows from Financial Activities</b>		
Principal payments of long-term debt	...	(1,725)
<b>Net Increase in Cash</b>	54,199	48,024
Cash—Beginning of year	609,611	561,587
Cash—End of year	<u>\$ 663,810</u>	<u>\$ 609,611</u>

**Reconciliation of Net Income to Net Cash**

**Provided by Operating Activities**

Net income (loss)	\$ (43,723)	\$ 39,207
Noncash items included in net income depreciation	52,075	52,173
(Increase) decrease in accounts receivable	(11,095)	6,325
(Increase) in inventory	(20,410)	(21,926)
(Increase) decrease in prepaid expenses	14,064	(30,321)
Increase in payables and accrued expenses	112,973	9,282
Increase in other liabilities	73,289	10,021
Net cash provided by operating activities	<u>\$ 177,173</u>	<u>\$ 64,761</u>

(See accompanying notes and independent auditor's report.)

building or for other significant maintenance needs. The reserve will be supported by an allocation from operating income of \$5,000 per year. The building co-owner, The American Association of Cereal Chemists, Inc., makes a similar contribution.

The APS Capital Improvement Fund was established by the Council. The purpose of the fund is to provide monies for capital improvements in connection with the headquarters building. These improvements may be in the form of additions to the present building, construction of new buildings on present real estate, or purchase of additional real estate for building purposes. The fund is supported by accumulation and investment of the current depreciation schedule of the building, which is approximately \$7,070 per year. The building co-owner, The American Association of Cereal Chemists, Inc., makes a similar contribution.

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

The APS Foundation Fund was established by the Council for use by the Foundation according to Constitutional provisions approved by the membership in October 1986. The Foundation will fund nonoperating programs for the benefit of students, professional members of the Society, and scientists in developing countries.

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

The Operating Reserve Fund may be used on approval of the Treasurer for cash flow needs.

**Schedules of Prepaid Expenses  
June 30, 1989 and 1988**

	June 30,	
	1989	1988
Annual meeting	\$ 45,951	\$ 22,859
Books in press (net of contributions received which offset a portion of the publishing costs)	(14,856)	(17,436)
Dues and promotion	...	9,565
Supplies and service contracts	2,824	1,715
Pre-publication costs—new journal	37,339	61,188
Unexpired insurance and other	14,537	21,968
	<u>\$ 85,795</u>	<u>\$ 99,859</u>

**Schedule of Restricted Funds for the Year Ended June 30, 1989**

	Balance June 30, 1988	Investment Income	Contributions Received	Net Disbursements	Balance June 30, 1989
Ruth Allen Fund	\$ 12,543	\$ 1,307	\$ ...	\$ 870	\$ 12,980
Lee M. Hutchins Award Fund	22,434	2,001	...	3,150	21,285
Building Maintenance Reserve Fund	27,939	2,605	...	...	30,544
Capital Improvement Fund	12,034	1,958	...	13,992	...
Auto Replacement Fund	4,486	416	...	...	4,902
APS Foundation Fund	40,778	2,866	15,518	252	58,910
Operating Reserve Fund**	<u>246,648</u>	<u>20,424</u>	<u>...</u>	<u>97,104</u>	<u>169,968</u>
	<u>\$366,862</u>	<u>\$31,577</u>	<u>\$15,518</u>	<u>\$115,368</u>	<u>\$298,589</u>

\*\*Operating Reserve Fund—See notes to financial statements, restricted funds.

(See accountant's report on supplementary information.)

**Report of the Secretary.** Membership as of June 30, 1989, was 4,343, which was an increase of about 300 over that of 1988. Membership by category was: regular, 3,111; student, 567; emeritus, 432; husband/wife, 67; student/spouse, 72; sustaining associate, 59; life, 9; and group, 26.

There were 1,730 registrants at the annual meeting in Richmond, VA, with 70 contributed paper sessions containing 706 presentations.

The following members died since the last meeting: Mitrofan M. Afanasiev, Harold H. Clum, Reginald H. Colley, Ibra L. Conners, J. H. Craigie, Everett J. Dennis, Carroll W. Dodge, George E. Hafstad, James B. Kendrick, Jr., Thomas H. King, Lysle D. Leach, Gerald A. Marx, Harold J. Miller, Bjorn Peturson, A. S. Rhoads, A. Frank Ross, Irving Schneider, Eric G. Sharvelle, Harold A. Skoog, Mortimer P. Starr, William N. Takahashi, Donald P. Taylor, Roger F. Thom, Leon J. Tyler, G. Viennot-Bourgin, and Raymond E. Webb.

I appreciate the opportunity to serve the Society and thank all members for their prompt and courteous responses to my requests for reports and help. Also, thanks to the headquarters staff, who are always helpful and professional.—*O. W. Barnett*, Secretary

## REPORT OF THE APS FOUNDATION

The Foundation Board of Directors met on March 31 and August 20 to conduct the ongoing business of the Foundation. In accordance with the constitution and bylaws of the Foundation, John L. Lockwood was elected by the Board and Anne K. Vidaver was elected by the Council to serve 5-year terms as members of the Board beginning on August 20, 1989. The following officers of the Board were elected to two-year terms beginning on August 20, 1989: J. F. Tammen, chairman; B. G. Tweedy, vice-chairman; and R. J. Green, secretary/treasurer.

The Board of Directors, in an action of major importance to the future of the Foundation, recommended to the Council that the Society and the Foundation undertake a joint effort for an Endowment/Building Fund Campaign with two interrelated goals: 1) to establish over the next 5 years an Endowment Fund of at least \$500,000 and 2) to fund the APS share of the new building addition at a cost of about \$400,000.

Members, friends, and associates of the Society could contribute to the Endowment Fund directly and through this contribute to low-cost financing of the building addition loan and/or could contribute directly to the Building Fund to reduce the amount that would be needed to finance the addition. The Council approved this proposal at its midyear meeting. E. L. Kendrick, Endowment Committee chairman, was appointed as chairman and R. E. Ford as cochairman of the Endowment/Building Fund Committee, with responsibility for organizing and implementing fund-raising activities. Members of the joint committee are C. W. Boothroyd, M. K. Brakke, W. M. Dowler, W. E. Fry, M. C. Shurtleff, J. S. Mignucci, H. V. Morton, A. O. Paulus, and L. H. Purdy.

Two Foundation awards were approved for 1989: 1) An award of up to \$1,500 to fund a proposal submitted by Rosemary Loria, chairman of the ad hoc Women in Plant Pathology Speakers Bureau Committee of the APS Committee on Women in Plant Pathology. The objective of the proposal is "to enhance the graduate experience of female plant pathologists by providing increased interaction with female role models." The proposal and the award are in keeping with the Foundation's goal to enhance graduate education in plant pathology. 2) A "Genesis" Award to Leslie Delserone, Alan Collier, and Peter Mullin of Cornell University in the amount of \$1,495 in support of their program to improve teaching of plant pathology by teaching laboratory aspects of molecular biology to students of plant pathology. The proposal was judged to be innovative and in keeping with the Foundation's goal to "encourage creative thought and the early development of innovation."

The Board of Directors approved the recommendation of its Awards Committee to invite proposals in the coming year for

up to \$1,500 each in the following three areas: Genesis Program (B. G. Tweedy, chairman), Enhancement of Graduate Education (R. J. Green, chairman), and International Programs (G. A. Zentmyer, chairman). G. A. Zentmyer was appointed as the liaison person to the Office of International Programs.

Contributions to the Annual Giving Program for 1988–1989 were \$13,760.57. Contributions to the Endowment/Building Fund up to August 18, 1989, were \$1,750.00. Contributions to the Endowment Fund for 1988–1989 totaled \$2,007.32.—*James F. Tammen*, Chairman

## REPORT OF THE OFFICE OF INTERNATIONAL PROGRAMS

A midyear meeting of the Office of International Programs (OIP) Advisory Board and committee chairmen held May 19 at AAAS Headquarters in Washington, DC, was attended by those living within driving distance. The annual meeting at Richmond, VA, on August 20 was well attended, including attendance by newly appointed Advisory Board members Jose Amador, John Bowman, Joseph Krausz, Christopher Mundt, Paul Teng, and George Zentmyer.

The Open Forum was an opportunity for dialog with 33 APS members. A discussion session sponsored by OIP on the Appropriateness of Biotechnology for Developing Countries demonstrated, to the more than 150 who attended, effective uses of biotechnology in collaboration among APS and developing country scientists. A second OIP discussion session was organized to get APS' input for a study on applying IPM in developing countries. This was the first year for OIP to have a booth display with posters and a brochure describing OIP activities. Special attention was given to the CGIAR International Agricultural Research Centers (SIP, IRRI, and IITA) in the booth. There were also reports of OIP activities at the APS business meeting and at the Council meeting in Richmond.

The International Activities Committee (IAC) (previously the International Cooperation Committee) is, by Council action, integrated into OIP as the Policy and Programs Committee. Previous members of the IAC and others may now serve on the Policy and Programs Committee.

Operating Procedures (previously called the Manual of Operation) has been modified with suggestions from the OIP Advisory Board and the Council. The Council will review the revised procedures at their midyear meeting.

The Latin American Phytopathology meeting at CIAT in July was attended by APS/OIP representatives Dave Thurston, Jose Amador, and Don Mathre, who worked to develop supportive relationships between APS and Latin American plant pathologists.

The Outstanding International Plant Pathologists Award is proposed to the Council as an addition to official APS awards.

STEP grants for 10 foreign graduate students' attendance at APS annual meetings was administered for OIP by Lawrence Datnoff.

AAAS Consortium of Affiliates for International Programs (CAIP), with the help of Lawrence Apple, has a program to revitalize the Association for the Advancement of Agricultural Science in Africa (AAASA). A survey of African scientists will be conducted to evaluate the need for and interest in AAASA. OIP is an active participant in the AAAS program to provide journals for African libraries. Delp participated in AAAS activities in Dhaka to help strengthen Bangladesh science.

OIP Committee activities are as follows:

Communication: Tom Van der Zwet solicits and edits articles for *Phytopathology News*.

Laboratory Assistance: Lawrence Datnoff has a list of laboratories in need of equipment but has received no donations from his contacts with numerous institutions. Datnoff will put these activities on hold and help organize the library assistance efforts.

Library Assistance: Hugh Sisler has a very active program of shipping donated publications to libraries in developing countries through Smithsonian, AAAS, and a \$6,000 FAO grant.

**Professional Development:** Ethel Dutky is preparing a booklet on APS resources (courses, programs, workshops, and training aids available from plant pathologists) for developing countries.

**Placement and Registry:** Matt Royer has developed the updating and use of the registry of volunteers for Third World service. Royer will also take over the placement activities of this committee from previous cochairman Niki O'Neill.

**Policy and Program:** John Bowman and Joe Krausz developed the objectives for this new committee, which also met with the standing committees on August 20.

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

**Liaison:** Lawrence Apple and David Thurston cochair this large committee organization and coordinate its activities among all OIP members. Some activities of the liaison subcommittees are:

**Academic Institutions:** Apple has requested academic institution representatives to: 1) identify constraints to international service and ways to overcome those constraints, 2) solicit publications for donation to LDC libraries, 3) develop a support system for alumni working in LDCs, and 4) solicit ideas and participants for OIP.

**Banks:** Ernie Imle and Ben Waite have arranged for collaboration.

**Industry:** Madan Joshi and the seven committee members are mobilizing personnel from industry.

**International Agricultural Research Centers:** Waite organized the OIP booth for presentation of the CGIAR system and three centers (CIP, IITA, IRRI).

**Private Volunteer Organizations:** Bill Brown has focused initial activities on collaboration with the Peace Corps.

**Societies:** Thor Kommedahl is providing contacts in appropriate societies. AAAS is interested in this liaison.

**U.S. Government Institutions:** Chairman Bill Dowler is looking for members.

**Regional Contacts:** Delp sent an informational letter and charge to the increasing list of regional contacts.

**Budget:** The Council has authorized \$2,000 for 1989–1990 to be used for operating expenses.—*Charles J. Delp*

## REPORT OF SOCIETY PUBLICATIONS

**Editor-in-Chief of APS Press.** APS Press concluded its fifth year at the 1989 annual meeting. The goals of APS Press continue to be: 1) operate a competitive publishing program that emphasizes publications relating to the discipline of plant pathology, 2) provide service to APS members and readers beyond that provided by commercial and institutional publishers, and 3) contribute to the overall financial objectives of the APS.

APS Press currently has 84 books in print and has continued its trend for economic growth. We published nine new books and two slide collections during FY89 and we expect to publish 11 books and five or more slide sets during FY90. We have commitments for the publication of 34 additional books, the last of which will be printed during 1993.

APS Press produced a net income of \$162,913 (not adjusted for overhead) during FY89, which represents a 42% increase over FY88 and a surplus of \$45,078 over our budgeted contribution to the APS general budget. Our gross income was \$572,008 and our expenses (without overhead) totaled \$409,095.

APS Press sold 28,668 books, including 21,171 compendia, 601 symposia, 245 monographs, 133 classics, and 6,518 other books (other books includes nonseries titles, proceedings, and "Biological and Cultural Tests"). This sales volume represents a 23% increase in growth over that in FY88, with most growth occurring in sales of compendia and other books.

Three new senior editors were appointed by the Council to the eight-member APS Press Editorial Board. Their 3-year terms became effective at the APS annual meeting in Richmond. Kenneth Barker, Edward Brown, and Kurt Leonard were appointed to vacancies left by the completion of 3-year terms by

Ann Chase, Richard Frederiksen, and Robert Stall. Continuing as senior editors are Patrick Fenn, Michele Heath, Cedric Kuhn, Lawrence Madden, and Arthur McCain.

The Committee for Biological and Cultural Tests became the third committee of APS Press, joining those for Phytopathological Classics and for Illustrations of Plant Pathogens and Diseases. The Council also aligned our editorial staff with those for the Society's journals by reclassifying our editors as "senior editors" rather than "associate editors." The Council also established a position of editor-in-chief-elect to increase the efficiency of transitions in leadership of APS Press.

APS Press is a progressive publisher of books and other media in the plant sciences. It continues to market products at well below the rates charged for comparable works from other publishers. APS Press would not be successful without 1) the superb support and leadership from the administrative, editorial, and marketing staffs at APS Headquarters in St. Paul, 2) the subject matter skills and dedication of the contributing book authors and editors and the APS Press senior editors, and 3) the support and guidance of our consumer audiences and commercial contributors. We express our sincere appreciation to all participants in this publication process.—*Richard W. Smiley*

**APS Press Committee for Phytopathological Classics.** Six members (Dennis Fulbright, Tim Murray, Mark Windham, Cedric Kuhn (APS Press liaison), Walker Kirby (vice-chairman), and C. Lee Campbell (chairman) met on August 20. The Holmes-Heijbroek manuscript "Dutch Elm Disease: The Original Papers" is nearing completion with final submission anticipated in late 1989. The deBary-Sclerotinia proposal approved by the Classics Committee in 1988 was forwarded by Campbell in September 1989 to APS Press. The Kuhn translation (by Stephen Wilhelm) is continuing; no final completion date has been set.

A proposal for a possible future classic on the early work on root-knot of coffee in Brazil by E. A. Goeldi (1887) was received and will be considered. A proposal by Fulbright to initiate a series of "Landmark Papers—Phytopathology" to bring together recent, key papers in specific disciplinary areas with appropriate commentary was discussed and received favorably. Dennis Fulbright will prepare a prototype (probably the ti-plasmid/crown gall research) for the 1990 meeting and further discussion will be held. Walker Kirby will be the chairman for 1989–1990. Dennis Fulbright will be vice-chairman for 1989–1990.—*C. Lee Campbell*

**APS Press Committee for Illustrations of Plant Pathogens and Diseases.** Six members (E. A. Brown, A. P. Keinath, J. L. Smilanick, A. K. Hagan, J. M. Ogawa, F. H. Tainter) and one guest (M. Wimer, APS staff) met on August 20. Committee membership and slide set publishing procedures and current progress were discussed. Three slide sets are in production: Diseases of Foliage Plants, Imperfect Fungi, and Lower Fungi. A process was established for committee members to review slide sets produced from the Compendium series. The Committee is also reviewing a slide set (Disease Resistance) sponsored by the APS Teaching Committee.

Development of a video marketing program was discussed. An information form to outline policies and procedures for the video program was requested from APS Press. The concept of interactive video disks was discussed and the FAO request for this program will be examined further by Frank Tainter. The committee will also investigate the possibility of proposing or producing a book of clip art consisting of diagrams, life cycles, and titles from publications already produced by APS Press.

Other interested committees of APS will be contacted to solicit topics for slide sets and videos and to encourage the committee to appoint a liaison member who can become a member of the Illustrations Committee.—*Edward A. Brown*

**APS Press Committee for Biological and Cultural Tests.** Volume 4 of "Biological and Cultural Tests for Control of Plant Diseases" was published in 1989. Included was one Special Report and 85 research reports. Research reports were distributed among the following commodities: deciduous fruits and nuts—8, vegetables—25, corn and sorghum—2, peanuts and soybeans—14, small grains—18, field crops—8, turfgrass—3, and ornamentals



and trees—7. The publication also included an index of materials under trial, a list of sources for these materials, and a general index.

Among the topics discussed at the meeting of the Editorial Board were general policy and criteria for acceptance of submitted reports, including the need for appropriate statistical analyses of data, positive trends in growth of the publication, and possible mechanisms for increasing submissions and sales. It was suggested that authors be encouraged to cite B&C Tests reports in future journal articles to increase the visibility and perceived legitimacy of the publication.

Editorial board members for 1989 were Associate Editors Charles W. Averre and William C. Nesmith and Section Editors Margery Daughtrey, L. Patrick Hart, R. Walker Miller, Howard D. Ohr, Patrick M. Phipps, Walter R. Stevenson, John E. Watkins, William G. Willis, and David S. Wysong. Walter R. Stevenson will now step down as section editor for vegetable reports after 3 years of exemplary service and will be replaced by Craig Canada for Volumes 5–7.—Wayne F. Wilcox

**Editor-in-Chief of *Molecular Plant Microbe Interactions*.** *MPMI* is now in its second year of operation and is in good health. The journal is well established in the scientific community and is growing in prestige. In particular, the high standards of the journal are well known and many of the leading researchers in host-parasite interactions are now publishing some of their key papers in *MPMI*. The journal provides our members with an avenue for publication of articles at the leading edge of research in molecular biology. Each issue is tangible proof of the Society's commitment to stay abreast of modern plant pathology.

The launching of an entirely new journal is a difficult enterprise and we have faced numerous problems during the first two years. Most of these problems have been resolved, however, and *MPMI* is now making steady progress in a field where there is intense competition from many other publishers. The initial success of *MPMI* is the result of the continued support by our members and the Council and of the dedication of the editorial staff at headquarters and of the senior and associate editors.

During the past year (July 1, 1988, to June 30, 1989) *MPMI* was published bimonthly. The six issues consisted of 251 pages and 33 articles. Of these articles, 40% were in the area of procaryote pathology, 33% in procaryote symbiosis, 15% in fungal-plant interactions, and 12% in virus-plant interactions. During the past year, we received 97 papers; 52 were accepted, 14 are being revised or in the process of review, and 31 were rejected. The 32% rejection rate is comparable to that of our other journals.

It is significant that of the papers published during this period, 45% were contributed from abroad. Most of these foreign contributions were from European laboratories, where a great deal of active research on host-parasite interactions is currently under way. It is gratifying to know that *MPMI* has attained international status very quickly. For this reason, I have suggested that an editorial office be established in Europe to capitalize on the dynamic nature of molecular plant science in that part of the world.

The number of papers submitted remained fairly constant during the year (about eight per month), which allowed an increase in the number of papers being published in recent issues. The total number of papers submitted during the year (97) was close to our initial projections (110) for publication of the journal on a monthly basis. Monthly publication would be desirable to meet our competition and to provide more rapid publication, but, at this point, my recommendation is that we continue to publish progressively larger issues on a bimonthly schedule. We hope that submission of papers in several areas that are not well represented at present, such as viral-host and fungal-host interactions, will increase in the near future. Assuming that the present acceptance rate is maintained, monthly publication should be considered again once a steady flow of at least 12 submissions per month is attained.

During the past year the average time elapsed between receipt of a manuscript and acceptance was 11.3 weeks; that between acceptance and publication was 11.6 weeks. On the basis of work-

ing days only, we achieved publication from date of acceptance in slightly over 2 months, which is remarkable considering our bimonthly publication schedule. The last two issues of *MPMI* (July-August and September-October 1989) were published well ahead of schedule, which is in keeping with our commitment to rapid publication.

The last two issues of *MPMI* have contained short review articles, and these have been received well by our subscribers. It is my intention to make this a regular feature of the journal; I have pledges from 10 colleagues to write reviews for forthcoming issues. Subject to approval by the editorial board, it is my intention to devote certain issues to articles from symposia held at different locations throughout the world and dealing with subjects that are within the purview of the journal. Similarly, I intend to publish editorials on general topics on biotechnology and articles dealing with different views on regulatory aspects of the release of genetically engineered organisms or on other scientific issues that affect national policies.

Despite its initial success, *MPMI* faces important problems related to competition from other journals. In particular, *The Plant Cell*, a new publication from the American Society of Plant Physiologists, is publishing an increasing number of articles on molecular genetics of host-parasite interactions. Similarly, the *Journal of Bacteriology and Applied and Environmental Microbiology* continues to publish several articles on microbial host-parasite interactions each month. These are all monthly publications, and, as a result, *MPMI* is at a disadvantage. We cannot expect to see a substantial increase in the number of articles submitted for publication in *MPMI* unless we can do a better job than the competition. A second problem has to do with the disappointing number of library subscriptions, which are essential if the journal is to be financially successful. Efforts are being made to remedy this problem by contacting chairmen of individual departments and requesting that they contact the librarians at their institutions on behalf of *MPMI*.

During the past year, several changes in the composition of the editorial board have occurred. George Bruening, who provided strong leadership in getting *MPMI* off to a strong start, left the position of editor-in-chief while on leave in Australia, and I took over his responsibilities as of May 1. Olen Yoder resigned as senior editor for fungus-plant interactions after a long period of dedicated service to *MPMI* and was replaced by Forrest Chumley. Stephen K. Farrand is the new senior editor for procaryote pathology. We are most grateful to these hardworking colleagues for their service to science and APS.—L. Sequeira

**Editor-in-Chief of *Phytopathology*.** *Pages published.* During the period July 1, 1988 through June 30, 1989, *Phytopathology* published 258 research papers with an average length of 5.2 pages. In addition, we published two letters to the editor (8 pages), 13 obituaries (13 pages), and 946 abstracts (129 pages).

Of the research articles published, 71 (28%) were submitted by foreign contributors from Argentina (1), Australia (3), Brazil (1), Canada (18), China (2), France (3), India (1), Israel (11), Italy (1), Japan (3), Korea (2), Mexico (1), Netherlands (5), Philippines (1), Scotland (1), South Africa (4), Spain (2), Switzerland (5), Taiwan (1), Thailand (1), Tunisia (1), United Kingdom (1), West Germany (1), and Yugoslavia (1).

We published a total of 1,572 pages during the fiscal year. Of these, page charges were assessed on 1,334 pages. The remaining pages included 4 pages for "Acknowledgment of Reviewers," 3 pages for the "Author's Guide for Manuscript Preparation," 25 pages for the annual report, 5 pages for Presidential Address, 3 pages for the Plenary Session, 3 pages for the President's Forum, 14 pages for Awards, 3 pages for the listing of officers, staff, and committees of APS, 23 pages for the table of contents, 22 pages for the index, 2 pages of errata, and 1 page for the Publisher's Statement.

*Manuscripts submitted.* During the fiscal year, 358 manuscripts were submitted for publication as research articles or symposia compared to the 5-year mean of 411. As of July 13, 193 manuscripts had been accepted or tentatively accepted for publication,

100 had been rejected, 64 were in review, and 1 was withdrawn. The acceptance rate was 66%. Data for recent fiscal years are shown for comparison.

**Articles published.** Of the 258 research articles published in *Phytopathology*, 186 (72%) were submitted in a form for electronic processing. The average time between acceptance of an article and its appearance in print (issue date) was 198 days (Table 1).

TABLE 1. Publication data

	Fiscal year					
	83-84	84-85	85-86	86-87	87-88	88-89
Mss. published						
Articles	307	273	241	99	279	258
Abstracts	183	1,030	1,082	942	911	946
Total pages	1,514	1,310	1,334	1,760	1,744	1,572
Article length	4.5	3.8	4.9	5.0	5.3	5.2
Mss. submitted						
Total	407	408	438	420	380	358
Acceptance rate	75%	70%	78%	69%	65%	66%
Publication time (days)	129	156	198	237	219	198

**Editorial processing.** The handling of a submitted manuscript at the editorial office and by the editor-in-chief averaged 9 days. It required an average of 20 days from the time the editor-in-chief mailed a manuscript to a reviewer until the reviewer mailed the review to a senior editor. The average time for editing manuscripts by senior editors was 24 days. Authors took an average of 73 days to revise their manuscripts and return them to the senior editor. Final editing by senior editors prior to acceptance took an average of 6 days. Total time from submission to acceptance averaged 133 days.

**Author survey.** Authors of manuscripts submitted in 1988 were surveyed about their satisfaction with the review and editing process. Survey questions covered reviewer bias, thoroughness, and usefulness of the review to the author(s) as well as senior editor competency. Only 5.5% of the authors surveyed agreed that reviewer bias exists, although 6.2% were uncertain. Authors of rejected manuscripts were more likely to feel reviewer bias than authors of acceptable manuscripts (Table 2). Author ranking of reviewers averaged 3.8 for thoroughness and 3.7 for overall usefulness on a scale with 5 as most thorough or useful. Senior editors satisfied authors of acceptable manuscripts better than those of rejected manuscripts with respect to the decision, explanation of needed revision, and options for reconsideration of rejected manuscripts. Even so, 87% of the authors of rejected manuscripts felt that the senior editor explained his decision of rejection to their satisfaction, and 84% of the authors of rejected manuscripts felt that the senior editor explained options for reconsideration

TABLE 2. Summary statistics for author responses to survey for manuscripts submitted to *Phytopathology* in 1988

Survey component	Manuscript category		
	All	Rejected	Accepted
Unbiased			
Yes	88.2%	77.8%	94.1%
No	5.5%	7.9%	2.4%
Uncertain	6.2%	14.1%	3.4%
Thorough review (5 = very thorough)	3.8	3.7	3.9
Overall estimate (5 = very useful)	3.7	3.6	3.7
Senior editor			
Explained decision	93%	87%	98.5%
Helpful	93.5%	84.4%	97.7%
Explained options	84%	83.6%	92%
Responses (48% returned)	195	54	141

of the manuscript adequately. Based on the author survey, the review and editorial process seems to be serving authors in a satisfactory manner.

**Editorial Board.** The editorial board currently consists of 30 associate editors, eight of whom will retire at the end of 1989. They are John Duniway, Joseph Hancock, Gary Harman, Willem Langenberg, Jerald Pataky, Rennie Stavely, J.-C. Tu, and Henry Wilkinson. Our Society owes these people and the associate editors continuing on the editorial board a deep debt of gratitude for the hours spent reviewing manuscripts for *Phytopathology*. In addition to associate editors, I would also like to thank the numerous ad hoc reviewers listed in this issue of *Phytopathology* for their assistance in the editorial process. Finally, I would like to thank the current senior editors and members of the headquarters staff for their professional effort in the editing of manuscripts and publication of the journal.—D. M. Benson

**Editor-in-Chief of *Plant Disease*.** *Plant Disease* is in good health, thanks to the contributions of authors, the conscientious efforts of reviewers and scientific editors, and skilled management, editorial, and production services by the professional staff at APS Headquarters. A look to the future suggests, however, that the health of the journal could decline, because progressively fewer research manuscripts are being received for publication. Therefore, this report emphasizes the need to study ways of stabilizing or increasing the flow of manuscripts to *Plant Disease*.

#### Material published in fiscal year 1988-1989 (July-June)

The data below and in Fig. 1 were provided by Vera Baker, APS journals manager.

Item	No. published	Pages
Research (including Brief Reports)	220	770
New Disease and Epidemics	13	46.5
Disease Notes	63	12
Features	12	84.5
Special Reports	3	6.25
Editorials	12	12.5
Focus	12	12
Spotlight on Diagnosis	1	1
Industry News	3	3
Common Names of Plant Diseases	—	8
Errata	2	<1
Masthead	12	12
Editorial Board Page	12	12
Author Instructions	1	1.5
Table of Contents	12	24
Index	1	10
Acknowledgment of Reviewers	1	2
Advertising (paid and house)	—	48.25
Sustaining Associates/Ad Index	12	12
Total numbered pages		1,152

#### Geographic sources of published contributions\*

Source	Number published
United States	181
Canada	12
Other countries in the Americas	8
Europe	6
Middle East	10
Africa	4
Asia	9
Australia	3

Percentage from outside USA: 22, unchanged from 1987-1988

\*Data exclude Disease Notes, Features, and Special Reports

**Processing of manuscripts.** During the 9 months since the current editorial team began functioning, *Plant Disease* has received 240 research manuscripts. For the 177 manuscripts that have passed through the review process, the projected acceptance rate (manuscripts accepted plus manuscripts in revision) is 66%, about

the same as last year. The current rate of receipt of manuscripts continues a downward trend that has been evident since 1983 (Fig. 1).

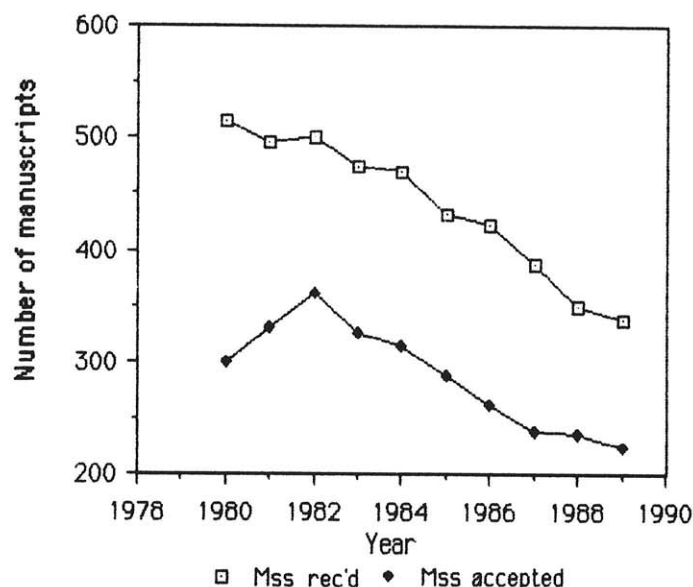


Fig. 1. Research manuscripts handled by *Plant Disease*.

Average elapsed times (and ranges) for manuscript processing were: from receipt of manuscript at St. Paul until rejection—58 days (24–125); from receipt of manuscript at St. Paul until return to author for revision—66 days (29–251); from return to author until acceptance for publication—49 days (11–183). The 72 contributions received for Disease Notes represent only a 5% decrease (perhaps not a trend) in the rate of submission from the previous year. The projected acceptance rate for Notes is 68%, down slightly from 1988.

The publication process, which was behind schedule during the first part of 1989, returned to schedule with the July issue. Most papers published in July and August 1989 were accepted for publication in January and February, respectively. The average interval between acceptance and publication in July was 6.9 months and that for publication in August was 6.0 months.

**Changes in procedures and policies.** Several changes implemented in 1989 were mentioned in the midyear report.

**Innovations.** *Plant Disease* has begun the occasional publication of "theme covers," on which all the photographs deal with various aspects with one subject. The first such cover appeared in July. A study of the feasibility of reprinting certain feature articles for use by teachers and extension personnel is under way.

**Declining rate of manuscript submission to *Plant Disease*.** The decline in submission of manuscripts to *Plant Disease* bodes ill for the future health of the journal. The Council should study this decline, ascertain whether it is likely to continue, and consider whether some action is needed to stabilize the flow of manuscripts to the journal.

The survey of APS members in 1988 revealed a high level of satisfaction with *Plant Disease*. Therefore, the decline in authors' use of this journal probably should not be attributed to editorial policies. Neither can a convincing case be made that page charges are the cause of the problem. Two factors external to *Plant Disease* are suggested as possible causes: competition from other journals and decline in the amount of applied research in plant pathology being done in the United States. The Council has some control over the first of these factors.

*Phytopathology* competes with *Plant Disease* for manuscripts reporting applied research. This competition occurs because the missions of the two journals overlap. *Phytopathology* publishes research on all aspects of plant pathology, while *Plant Disease* is a journal for applied plant pathology, including but not limited

to research. I examined the articles published in *Phytopathology* during the first 6 months of 1988 and the first 6 months of 1989 and found that approximately one-third of the articles in both years dealt with subjects that would also have been appropriate for *Plant Disease*. The Council should study whether it would be worthwhile and feasible to separate the missions of the two journals. The important question is, would it be wise to tinker with *Phytopathology*, which is apparently in robust good health, to aid an ailing *Plant Disease*?

If the answer to the question above were affirmative, which is by no means assured, could a feasible mechanism be developed for diverting reports of applied research to *Plant Disease*? One possible mechanism would be to simply exclude most applied plant pathology from *Phytopathology* and let the applied research flow to other journals, including but not limited to *Plant Disease*. Another possible mechanism would be to create an APS Journals Board, which would receive all newly submitted manuscripts and allocate them to the two journals on the basis of subject matter. Readers of these thoughts will no doubt think of other possible schemes.—*W. A. Sinclair*

**Editor of *Phytopathology News*.** In the period September 1988 through August 1989 *Phytopathology News* averaged a little more than 16 pages per issue. Beginning January 1989, *Phytopathology News* had an entirely new format thanks to the APS staff. Thirteen articles concerning the activity of committees were published between September 1988 and August 1989. Nine Council's Columns, 12 Editor's Corners, numerous book reviews, and reports of meetings were also published during this period.

The *Phytopathology News* Coordinating Committee was composed of C. Lee Campbell, book reviews; Cleo D'Arcy, features; Gary Moorman, people news; Dick Stuckey, feature articles, and Carol Windels, division news and reports of meetings and workshops. Sue Casey of the APS Staff served as the editorial assistant assigned to *Phytopathology News* under Vera Baker, the manager of publications for APS. Sue and Vera deserve a special thanks for their work.—*Laurence D. Moore*

## REPORTS OF REPRESENTATIVES

**APS Representative to the American Institute of Biological Sciences.** With "Global Change" as the theme, an estimated 3,500 biologists from 16 scientific societies gathered August 6–10 at the University of Toronto for the 40th Annual AIBS meeting. Alfred E. Harper, professor of biochemistry and nutritional sciences at the University of Wisconsin, received the 1989 AIBS Distinguished Service Award.

Symposia and discussion sessions of special interest to APS members were held at the annual meeting, including symposia on the environmental impact of global climate changes, the coastal barrier biosphere reserves, molecular biology of fungal development, and air pollution and forest health. AIBS sponsored a round table discussion on undergraduate teaching in the biological sciences and a discussion on the use of modern laboratory and field equipment to improve undergraduate biology teaching programs. The latter session was cosponsored by NSF.

John Patrick Jordan, administrator of the Cooperative State Research Service, is the 1989 president of AIBS, and Paul R. Ehrlich, professor of population studies at Stanford University, will become president in 1990.

The 1990 meeting of AIBS will be held in Richmond, VA, August 5–9, and the theme will be "Biological Systematics." The 1991 meeting will be in San Antonio, TX, August 4–8, and the 1992 meeting in Honolulu, HI, August 9–13.

This fall *BioScience*, which is published by AIBS, will publish a special theme issue on "Yellowstone National Park and the Fire." *BioScience* fosters communication among biologists by means of special sections on education, viewpoints, and book reviews, and special theme issues.

The Public Responsibilities Committee is pursuing the idea of preparing monthly new releases that will be supplied to member societies for publication in their newsletters. Such a service will



allow individual societies to publish timely information concerning the Washington scene. A number of APS members have requested that *Phytopathology News* carry a "Washington Watch" type of monthly column. The AIBS monthly new release would meet that need.—*Laurence D. Moore*

**APS Representative to the American National Standards Institute K62 Committee.** As representative to the K62 committee (Common Names for Pest Control Chemicals), I review the documents concerning proposed names for fungicides, nematocides, insecticides, herbicides, etc. I contact colleagues if there is a question concerning the proposed names. Normally, the documentation provided by the committee is sufficient to make a decision at voting time.—*J. E. Elson*

**APS Representative to the American Type Culture Collection.** ATCC continues to flourish under the able leadership of Robert Stevenson. Revenues, culture accessions, and culture sales continue to increase, and major decisions must be made concerning expansion at the present location or development at a new site. The Board of Directors maintains close liaison with the administrative staff and continues to provide advisory counsel as needed.

Some concerns have been expressed regarding the increased emphasis on research for scientific staff at the possible expense of proper maintenance and adequate attention to the culture collections. These concerns have been presented to the Board and have received considerable attention. W. Chris Dermody, associate director for science, and I discussed these concerns with the Council at the APS meeting at Richmond. We agree that possibilities for excellent research exist, with unique collections, cell lines, etc., and ATCC should take advantage of these possibilities. Nevertheless, there is no intention that culture collections and related activities should suffer since all agree that these are the primary *raison d'être* for ATCC. Dermody assured the Council that flexibility exists within the assignment of personnel for collection activities and research responsibilities; ATCC realizes that new staff members will require varying amounts of time to organize a research program, pursue appropriate grants, and assist with collection activities.

Drs. Stevenson and Dermody welcome your questions and comments concerning operations and activities at ATCC. You are also welcome to contact your counterpart at ATCC for up-to-date information on current activities. Dr. Dermody and I have been asked to write a feature article on the ATCC mission and goals to appear in *Phytopathology News*.—*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 with dyes are encountered, 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 history can be found in *Stain Technology* 55:1-7 (1980).

The Commission met June 8 in Rochester, NY. The scientific session centered on presentations by L. Kass, C. M. Wilson, and H. Shapiro on "New dyes of use in hematology," "A biochemist looks at coomassie blue R and G and amido black," and a report on flow cytometry, respectively. This was followed by reports from the Commission officers in which details were provided regarding the number of dyes certified (121 [11,817 lbs]) for 1988, as well as the status of manuscripts submitted to *Stain Technology*.—*Harvey C. Hoch*

**APS Representative to CAST.** Activities of CAST, in response to the broad needs of agriculture and the public interest in food safety, were numerous in 1989. Task force reports, the principal publications of CAST prepared by groups of eminent scientists, have addressed the scientific aspect of food processing and safety directly. The report on "Ionizing energy in food processing and

pest control: II. Applications" was released in June and the report "Economic and health risk associated with mycotoxins" was released in August. Additionally, "Comments from CAST," prepared by individuals, include "Reducing American exposure to nitrate, nitrite, and nitroso compounds: The national network to prevent birth defects proposal" by Charles A. Black (cc 1989-1, June 1989, 16 pp.) and "Antibiotics for animals: The antibiotic resistant issue" by Virgil W. Hays and C. A. Black (cc 1989-2, June 1989, 12 pp.). Nine forthcoming reports covering a broad range of subjects are being prepared. CAST task forces met recently to outline papers on antibiotics used in animals, management and utilization of wastes from food production and processing, and assessment of risks associated with pathogenic microorganisms. CAST will also be looking at ecological impacts of federal conservation and cropland reduction programs, risk assessment in agriculture and food processing, agriculture and groundwater quality, dietary lipids, quality of U.S. agricultural product, and reregistration of agricultural chemicals.

In July, CAST officials and staff held a meeting of 17 representatives of companies in the food industry to explore the reasons for declining public confidence in the food supply. The group defined the current concerns of consumers and shared information about several programs under way that address these concerns and will recommend if any additional public relations or information efforts are needed to address consumer concerns.

During its annual meeting in February in Washington, DC, the CAST Board of Directors discussed issues concerning future goals and operations. The fiscal sovereignty of CAST is improving, its publications are continuing to be prepared, means of improving communications with its membership and the supporting 29 scientific societies were approved, and the national concerns committee is considering how to respond to timely subjects important to agriculture.

CAST is continuing its liaison in Washington, DC, with Executive Vice-President Bill Marion spending as many as 4 days per month discussing issues with various representatives. CAST officials and board members recognize the importance of effective communication with all segments of agriculture and is continuing its educational efforts to inform the youth, producers, managers, and scientific advisors of the problems, innovative initiatives, scientific facts, and importance of agriculture to the United States and the world. CAST needs to know of the concerns of APS and remains open to suggestions by committee chairmen and individual members. To assure its success it also needs financial support and is exerting special effort to expand its individual membership as well as to attract grants and other forms of financial support.—*Kenneth D. Hickey and Gary A. McIntyre*

**APS Representative to the Commission on Life Sciences, NRC, NAS.** Last year I attended the 22nd and 23rd meetings of the CLS of the National Research Council. The meetings involved many reports and decisions on tasks of the boards of the CLS. Bruce M. Alberts of the Department of Biochemistry and Biophysics at the University of California at San Francisco became chairman of the CLS. Major topics addressed during the past year included sponsorship of the Global Change Forum, science and the assessment of risk, needs assessment for biology teacher in-service program development, research priorities and policy options in bioprocess engineering, laboratory management of transgenic animals, food products from genetically modified plants and microorganisms, view of the CLS in setting research priorities, U.S. immigration policies and foreign scientists, interaction with congressional aides on the CLS's future activities, and roles of scientists in public policy decision making.—*J. Barnes*

**Representative to the International Society of Arboriculture.** The ISA met in St. Charles, IL, August 13-16. Six plant pathologists on the program presented subject matter including Verticillium wilt of ash, oak wilt, dogwood anthracnose, effects of mulch, tree disease diagnosis, and diseases of famous trees.

ISA has a special interest group named Arboricultural Research and Education Academy (AREA). Its function is to allow scientists

and educators in all aspects of amenity tree care to interact at the annual meeting. AREA solicits contributed papers for oral or poster presentations at the annual meeting. ISA will meet in Toronto, Ontario, August 12–15, 1990.—*Dan Neely*

**Intersociety Consortium for Plant Protection.** ISCPP met in Washington, DC, on May 12. APS attendees were D. E. Mathre, Paul Williams, B. J. Jacobsen, and R. J. Tarleton. The program was organized by R. Rodríguez-Kábana, who is president of the Society of Nematologists.

While much of the meeting was spent discussing the future of ISCPP, we did have several speakers. Marian Mlay, director of the Office of Groundwater Protection, EPA, discussed the impact of groundwater contamination problems on plant protection. She indicated that much needs to be done on public education in this matter. Arnold Foundin from APHIS discussed the activities of APHIS relative to biotechnology regulation. He indicated that APHIS had undergone a recent reorganization such that there is now a separate division for biotechnology. Gale Buchanan from the Georgia Experiment Station represented CAST and discussed the impact of biotechnology and groundwater problems on research priorities. R. O. Plowman, administrator of USDA-ARS, discussed the establishment of research priorities by his organization. He indicated that agriculture needs to be proactive on issues. Nancy Foster, lobbyist with the American Soybean Association, discussed relations with Congress (how to propose ideas and get them funded). She indicated that for effective lobbying you need to define the issue narrowly, start 6 months ahead of when you want to meet with Congress, and know your information well with questions anticipated ahead of time.

The future directions and mission of ISCPP received a great deal of discussion. It was eventually decided to prepare a grant to hold a workshop(s) to develop priorities for plant health in sustainable agriculture. Barry Jacobsen will take the lead in this regard. The grant will be submitted to agencies or foundations that might be interested in such a program, including the Kellogg Foundation.

At the annual meeting in Richmond, the Council voted to suspend further participation in ISCPP activities, so the future of the organization is very unclear.—*D. E. Mathre*

**Representative to the U.S. National Committee for the International Union of Microbiological Societies.** USNC/IUMS met on January 23 in Washington, DC, at the National Academy of Sciences. Full minutes of the meeting are available.

The Bacteriology Congress is scheduled for September 16–22, 1990, in Japan. As the program stands, no attention is given to agriculture; the main focus of the congress is on medical microbiology. Although the program is not final, the organizers are more likely to add industrial, rather than agricultural, microbiology.

The Mycology Division and the International Congress of Plant Pathology (ICPP) are exploring the possibility of forming a new amalgamation, which would be called the International Commission on Mycotoxicology. R. Samson was asked to serve as secretary.

The Virology Division will hold its congress on August 26–31, 1990, in Berlin. Several sessions are devoted to plant viruses: viroids and RNA processing, diagnosis and identification of plant virus diseases, host response to plant viruses, plant virus vector transmission, potyviruses molecular structure and taxonomy, replication of RNA plant viruses, satellite viruses, and tropical crop viruses.

The rest of the meeting dealt with aspects of ICSU as they relate to IUMS. The details of these discussions can be found in the minutes.—*Clifford Gabriel* (for A. K. Vidaver)

**APS Representative to the International Committee on Taxonomy of Viruses.** Because APS is affiliated with the International Union of Microbiological Societies, the Society was asked to appoint a representative to the International Committee on

Taxonomy of Viruses in February. This is the first time that APS has had direct representation on the committee. Some APS members have been on the committee through their membership in the American Society for Microbiology. The Plant Virus Subcommittee of ICTV, 1987–1990, is composed of G. P. Martelli, Italy, chairman; O. W. Barnett, United States; R. Goldbach, The Netherlands; R. I. Hamilton, Canada; R. Koenig, Federal Republic of Germany; H. Lot, France; K. Makkouk, Syria; R. G. Milne, Italy; A. F. Murrant, United Kingdom; J. W. Randles, Australia; E. Rybicki, South Africa; L. F. Salazar, Peru; K. Tomaru, Japan; A. Varma, India; and T. J. Morris, United States. Associated with this subcommittee are several working groups that deal with specific plant virus groups.—*O. W. Barnett*

## REPORTS OF STANDING COMMITTEES

### Society Internal Relations

**Archives Committee.** The Archives Committee meeting was well attended and vigorous. Several goals have been achieved and several new ones established. Representation on the committee is not evenly distributed among the APS divisions or among areas of interest. We have no representation from the Caribbean Division or industry. We will try to add new members from the underrepresented areas.

A survey of archival and historical projects was conducted and individuals and programs were identified in several states. This will be an ongoing process to identify individuals interested in the history of plant pathology outside of the Committee and establish a network of mutual support. Some APS divisions have not prepared a history of their division; we will encourage and support them to write one.

Mal Shurtleff is a member of both the Archives and Emeritus committees, and it was obvious that we need continued liaison with that group. Retiring APS members need to be encouraged to place their relevant letters, photographs, and papers in the Archives. John Lockwood has been asked to prepare a display for the Grand Rapids meeting, portraying the history of plant pathology in Michigan. Appropriate materials from that display can be sent to the APS Archives.

Since we are arriving at an era where some of our most serious diseases have been under investigation for 100 years, we would be interested in having someone willing to write a historical paper for *Plant Disease* on "A Century of Progress in Controlling XXX Disease." We are pursuing the possibility of having the CSRS review documents placed in the APS Archives as the most thorough historical description of each department possible. This central file would allow all types of collation and evaluation of the subject of plant pathology through the years in the land-grant colleges. Doug Jardine is the incoming chairman and Craig Canaday was chosen vice-chairman.—*Stanley G. Jensen*

**Awards and Honors Committee.** The committee met in February to select those individuals to be recognized and honored by our Society at our 81st annual meeting held in Richmond, VA.

With about 4,300 APS members in 1989, the number of Fellows elected in 1898 was limited to 10 or 11 regular members (0.25% of the total APS membership, as specified by the Constitution). The Constitution states that Fellows elected from among our emeritus members are in addition to the 0.25% quota. The committee considered 45 nominees (new or carried over from 1987 or 1988) for the award of Fellow. The initial ranking by the committee is done without regard to kind of membership (regular or emeritus) of the nominees. After reaching a consensus on the ranking, the cut-off, going down the rankings, was made this year just above the name of the 12th regular member. The numbers elected to Fellow included 11 regular members and four emeritus members.

The committee considered seven nominees for the Ciba-Geigy Award, three each for the Extension and Teaching Awards, five for the Lee M. Hutchins Award, 10 for the Ruth Allen Award, and two for the Award of Distinction. Of these, one nominee was elected for each of the Ciba-Geigy, Extension, Teaching, Lee M. Hutchins, and Ruth Allen awards.—*R. James Cook*



**Meeting Site Selection Committee.** Acapulco, Mexico, was selected as the site of the 1994 APS Annual Meeting for the following reasons: Acapulco offers excellent convention facilities and hotel accommodations; it was sponsored by the Caribbean Division of APS; it was requested by the Mexican Phytopathological Society, since it is as close to 1992 as possible (500th anniversary of Columbus' arrival to the New World); and it is an internationally renowned tourist city that would attract a large number of participants (as evidenced by our attendance at Reno, NV, and San Diego, CA).—*G. N. Agrios*

**Membership Committee.** *New member campaign.* A letter was sent in March to plant pathology department heads at 64 universities, requesting a list of all faculty, postdoctorates, and graduate students in their department who work in any area related to plant pathology. We received 44 responses (69%). A similar letter was sent to 51 sustaining associate companies (six responses or 12%) and 225 members identified as USDA leaders (19 responses or 8.5%). After deleting names of current APS members, a file of 1,149 names and addresses of nonmembers with potential interest in joining APS was created. These 1,149 individuals were sent a personalized letter from President Don Mathre and application materials in May. As of October, 73 new members have joined APS as a direct result of this campaign (6% response rate). A similar invitation letter was also sent in May to 533 members of the Brazilian Phytopathological Society.

*Promotion to former members.* A personalized letter/survey was mailed in January to 324 former members and in March to 213 former members asking them to become members again. As of July, 23 renewals have resulted from these letters (4% response rate).

*Membership statistics.* Although total APS membership has plateaued during the mid-1980s, membership in FY 1989 is up by 140 members (3.3%). Student membership has declined by about 30% in this same period but is up in FY89 by 27 members (0.5%). Although these trends are not large, they are in the right direction. Efforts to increase membership must be maintained or increased in the future to ensure the future health of APS.

American Phytopathological Society  
Membership Fiscal Years 1980–1989

Fiscal Year	Student	Other	Total
1980	713	2,859	3,572
1981	765	3,001	3,766
1982	743	3,201	3,944
1983	802	3,254	4,056
1984	742	3,404	4,146
1985	619	3,508	4,127
1986	614	3,544	4,158
1987	565	3,659	4,224
1988	540	3,660	4,200
1989	567	3,773	4,340

*Membership information in APS journals.* Small ads entitled "You and APS: Four reasons to apply for membership now" were designed by APS staff and inserted in each issue of *Phytopathology* and *Plant Disease*. The ads have run each month and will continue to be a permanent feature in these journals. We hope to put similar ads in *MPMI* when it becomes an official APS journal.

*Editorial.* An editorial entitled "Why join APS?" was published in the Council's Column of the July 1989 *Phytopathology News*. The editorial, based on comments made on the member survey, challenges all APS members to expand their participation in the Society and encourage others to join.

*Poster at Richmond.* A poster was prepared and displayed at the APS meeting at Richmond to show APS membership statistics and committee activities and to explain what members can do to help increase APS membership.

*Future plans.* The new member campaign should continue by developing an expanded list of member prospects. The technique

used this year of asking respondents to send a list of all members of their group involved in plant pathology and then having APS staff remove current members was more effective than asking respondents to identify nonmembers. This should be continued and additional groups such as state departments of agriculture, consultant groups, and crop certification organizations be approached. When *MPMI* becomes established and is a journal option for APS members, a campaign aimed at those in the biotechnology industry should be initiated.—*Randall C. Rowe and Greg Grahek*

**Nominating Committee.** Call for nominations from the membership was sent out by APS staff in mid-January with a return deadline of March 15. A list of all nominees and number of votes was prepared and sent to the Nominating Committee (intermediate councilor-at-large and division councilors). The committee met at the midyear Council meeting on March 31 and selected two nominees for each office. APS procedure is that the person receiving the most votes for each office is nominated, but that the committee can choose the second nominee.

After this meeting, nominees were contacted and all agreed to run for office. Candidates sent biographical information and photographs to headquarters by May 1 and the election ballots were mailed about 3 weeks later. Election results were tallied after the July 1 voting deadline and winners were contacted. Letters were sent to all candidates thanking them for their participation in this process and their willingness to serve APS.

New officers for 1989–1990 are: Vice-President O. W. Barnett and Councilor-at-Large Sue Tolin.—*Randall C. Rowe*

**Placement Committee.** The committee met on August 20. Dotty Ginsburg presented information on placement operations and reported on another year of successfully combining job applicants with employers.

Mel Lacy, after 2 years of work, has finally arranged to have a list of prospective graduates and their masters and/or Ph.D. thesis titles published in *Phytopathology News*. This information is currently summarized in the chairman's survey and the first installment may be out in November.

Linda Kinkel summarized this year's workshop entitled "How to get a job." The workshop consisted of four key speakers and a mock interview. This was very well attended and well received by 100–150 people. The workshop also generated sufficient enthusiasm to encourage two new members to join the committee.

The Women in Plant Pathology Committee proposed a joint discussion session on career opportunities in plant pathology. The committee decided to work on this for the 1991 meetings in Portland, OR. Allison Tally will be the Placement Committee contact person for this event.

Linda Kinkel completed her term as chairman and Eva Hecht-Poinar is the new chairman. Arv Grybauskas is current vice-chairman and Allison Tally is incoming vice-chairman.

The meeting was adjourned, with everyone satisfied with the progress.—*Eva I. Hecht-Poinar*

**Sustaining Associates Committee.** The committee met in Richmond, VA, on August 20. The meeting was chaired by H. E. Carley. Attendees were S. Leath, D. J. O'Leary, and G. W. Moorman.

Pest Pros, Inc. (Plainfield, WI), Ricerca, Inc. (Painesville, OH) and Unocal Chemicals (Sacramento, CA) became new Sustaining Associates during 1989.

Greg L. Grahek, APS staff, discussed the need to identify appropriate contacts in biotechnology companies who could benefit through Sustaining Associate membership.

The Sustaining Associates breakfast had 19 attendees. President Don Mathre and Dr. Billy Tweedy addressed the group on behalf of APS and the APS Foundation. A brief discussion on the need for a mechanism to inform students and graduates of employment opportunities in industry was also held.

Officers for 1989–1990 are David R. Smith, chairman, and Steven Leath, vice-chairman.—*H. Edwin Carley*



## Society General Policies

**Collections and Germplasm Committee.** Eight members and six visitors attended the committee meeting. Discussion of proposed sponsored events centered around a proposal by J. A. Browning to organize a symposium, along with the Genetics Committee, on development of a rust resistant multiline coffee cultivar by scientists in Colombia. Later discussions with the Genetics Committee expanded this idea, resulting in a joint proposal on current topics on the use and understanding of disease resistance. This proposal is being handled by the Genetics Committee.

Other items discussed included several potential topics for sponsored events; the status of efforts to distribute a national newsletter, edited by L. Moore, on microbial germplasm collections; and the report by W. C. Dermody on the possibility of the American Type Culture Collection producing a catalog containing only plant pathogenic microorganisms (this was unanimously supported by members present).

Steven Leath was elected as the vice-chairman designate. Three new individuals were nominated for membership to the committee. J. R. Staveland and F. Gough will be chairman and vice-chairman, respectively, for 1990.—*J. V. Groth*

**Emeritus Committee.** The committee met on August 20. Committee activities included the results of a questionnaire survey sent to all 263 emeritus members last June. One hundred thirty-five or 51.3% questionnaires were returned. The results will be published in *Phytopathology News*.

There was an excellent response by emeritus members to remain active in APS Press publications and committees. More emeritus members will be active in APS activities than at any time in the recent past. A proposed APS history of plant pathology was discussed in some detail. A number of members are interested in helping C. Lee Campbell in this effort. There were numerous suggestions on enriching the archives to preserve history.

An emeritus member luncheon was held on August 21 with about 35 in attendance. Paul Williams gave an enthusiastic talk about his new "fast plants" project and its capacity for stimulating education at all educational levels. Mal Shurtleff gave a slide presentation, summarizing the survey of emeritus members.—*M. C. Shurtleff*

**Extension Committee.** The minutes of the 1988 committee meeting were read and approved. A summary of the APS Program Committee meeting was reviewed. Members were reminded of the Extension Breakfast to be held Monday morning at which Paul Williams was guest of honor. He spoke of the need for science education and the input of plant pathologists into elementary and secondary education programs. Additionally, the APS Industry/Extension Social was scheduled for Tuesday evening.

After some discussion, Ward Steinstra volunteered to compile a directory of extension plant pathologists in the United States. He intended to contact Richardo Gomez who had previously been working on the project.

Mary Fox, executive editor of Butterworth Scientific, Ltd., discussed the *Crop Protection Journal* with the group.

The committee discussed supporting the Teaching Committee in having feature article offprints made available for use in educational programs. Many individuals were already using the feature articles in educational programs. Jim Travis will contact Gail Schumann to support the idea and give her more detail as to the potential use.

Ideas for the 1990 program were discussed. The group favored a session on the education of urban dwellers to IPM practices. Keith Waldron, the IPM Committee chairman, proposed that the IPM and Extension committees cosponsor the session. It was decided that the Extension Committee would cosponsor a symposium titled "Plant disease management challenges and public understanding of IPM." Bruce Martin will chair the committee to organize the symposium. Wayne Wilcox, a member of the Extension Committee, will assist him, along with members of the IPM and Teaching committees.

No topics for the 1991 meeting were discussed since the theme was not yet determined.

Tom Melton was elected vice-chairman for 1989–1990. Paul Bertrand will serve as chairman in 1989–1990.—*Jim Travis*

**Industry Committee.** The committee arranged a discussion session on "Standardization of Disease Assessment Reporting" (cosponsored by three other committees). Speakers from industry, academia, and government presented views, followed by discussion with more than 100 attendees. The committee also solicited funds for two events at the annual meeting: The Sunday Welcome Reception and the Industry/Extension Social. More than 300 people attended the social, which included a dinner/tour on the Annabelle Lee riverboat.—*Bryan Delp*

**New Fungicide and Nematicide Data Committee.** The committee meeting was called to order, retiring members were recognized, and new members were introduced.

Stephen Johnston presented the editor's report. Volume 44 of "F&N Tests" was shipped in camera-ready format to the printer on March 21 and was distributed to subscribers in late April. Volume 44 contained 298 reports comprising 314 pages. This was the second year for the submission of camera-ready reports by authors. The transition to this format has progressed well.

The number of reports remains relatively unchanged, but the number of printed pages increases because, using this format, reports must begin at the top of a new page. With camera-ready reports few corrections can be made. Section editors suggest minor changes that, when possible, are made by the editor before publication. When major changes are required, the section editor asks the author to submit a retyped, amended version to the editor.

Gerrard Berggren presented the business manager's report. A total of 598 copies of "F&N Tests" were sold between July 1, 1988, and June 30, 1989. The cost to produce Volume 44 was \$16,055.31. Cost of printing increased dramatically. Sales during this period generated \$10,693.58. The deficit of \$5,361.73 was covered by cash reserves of \$8,018.29. This leaves "F&N Tests" with a cash reserve of \$2,656.56. This amount is not sufficient to cover the secretarial assistance required to publish Volume 45.

In response to the business manager's report, the committee approved the following items: 1) a \$10.00 per article charge to authors, payable at submission, to offset the cost of secretarial assistance to prepare for publication; 2) an increase from \$50.00 to \$100.00 for the one-half page listing of chemical company's materials; 3) charge \$13.00 plus \$2.00 postage for each copy of "F&N Tests." Additionally, the business manager was directed to seek bids for printing from other printers as a way of reducing further price increases.

Chairman Erik L. Stromberg, Vice-Chairman John D. Mueller, Business Manager Gerrard Berggren, and Editor Stephen Johnston met with the Council to discuss the continued publication of "F&N Tests" by this committee. We, as a committee, elected last year and at this year's meeting not to publish with APS Press. The Council has permitted this committee to continue publication without affiliation with APS Press.

This committee, along with the Industry, Chemical Control, and Plant Disease Losses committees, cosponsored a discussion session entitled "Standardization of disease assessment reporting" August 21 at the national meeting. The session was well attended, and a letter to the editor of *Plant Disease* summarizing the major points is planned.

Officers for 1990 are John D. Mueller, chairman, and Tim Brenneman, vice-chairman.—*Erik L. Stromberg*

**Private Practice Committee.** R. A. Littrell convened the committee meeting with 12 attendees. Minutes were taken by John Cross.

There was considerable discussion on the need to certify or register plant pathologists, especially those in private practice. Reference was made to the NAICC for crop consultants and

ASAC for farm managers. It was noted that APS previously reviewed the registration issue.

We then debated the functions of the committee and its continued operation. There was a consensus that the committee should continue, and several new members were identified. We concluded that the primary functions of the committee are to: 1) develop a certification program, 2) educate APS members in the role of consultants, and 3) exchange private practice information among consultants.

Finally we discussed the need for a Private Practice discussion session at the 1990 meeting in Grand Rapids. Several possible topics were considered before we settled on "Opportunities for cooperation between workers in public and private practice."  
—John E. Cross

**Public Relations Committee.** Members present at the meeting were C. Lee Campbell, Phil Colbaugh, Malcolm Shurtleff, and Jerry Walker. Dotty Ginsburg and Randy Rowe also attended the meeting.

The display of promotional and recruiting materials from academic departments (initiated at the 1987 APS meeting in Cincinnati) was discussed. Previous participation was about 50%. The idea of a similar display at the 1990 meeting was endorsed by the committee.

APS prizes were awarded at the 40th International Science and Engineering Fair held May 7–13 in Pittsburgh, PA. Barbara Christ chaired the judging team and made the presentations (first place, \$250; second place, \$150; third place, \$100; and fourth place, \$50). Each student participant also received a gift certificate for a complimentary *Plant Disease* t-shirt. The Council, at the request of the committee, had approved the change to award four prizes of equal (\$150.00) value in 1990; however, Science Fair rules state that at least one prize must be at least \$250. Therefore, prizes for the 1990 Fair in Tulsa, OK, will be \$250, \$150, \$100, and \$100. Ken Conway will chair the judging team.

A written report was received from Molly Cline concerning the Garden writers project. The committee endorsed the continued efforts in this area and commended Cline on her efforts.

A discussion was held concerning the public relations in APS and the responsibilities of the committee. The current problem of recruiting members for the committee was discussed. A closer linkage with the Council was proposed with the suggestion that an outgoing or past Council member serve on the committee. Investigations will also be made into what type of public relations activities are in progress in societies such as the Entomological Society, Crop Science Society, etc.

A proposal for a discussion session at the Grand Rapids meetings in 1990 was endorsed unanimously by the committee. The theme of the session will be "Improving our public image—How do we do it?"

Phil Colbaugh will be the new chairman. Jerry Walker was elected as incoming vice-chairman.—Lee Campbell

**Public Responsibilities Committee.** The committee met on August 20 at the annual meeting in Richmond. Members present were: Mark Blank, Merritt Nelson, Bruce Fortnum, Larry Littlefield, James McGuire, Philip Larson, Sue Tolin, Robert Gudauskas, Herb Cole, Chuck Curtis, Roland Line, and Chairman Al Ellingboe. Also in attendance were Chris Upper, Luis Sequeira, David Coplin, Paul Williams, Arthur Kelman, and Randy Rowe.

Four items were discussed: 1) John Lockwood gave a presentation on the intent of the APS Foundation and its interactions with the APS building fund drive as a clarification for the committee.

2) Most of the discussion was about the paper published in *Ecology* entitled "Release of genetically engineered organisms: A perspective from the Ecological Society of America" by J. Tiedje et al (April 1989). L. Moore, the APS representative to AIBS, had presented a request by the AIBS Public Responsibility Committee that APS consider approving the principles and practices outlined in the article. The conclusions by our committee, given orally to the Council on August 22, were: It is the rec-

ommendation of the Public Responsibilities Committee that APS not adopt the article by Tiedje et al as our position, but should wait until the report by the National Academy of Sciences is published. We may then want to consider what action to take. It is further suggested that AIBS should not seek to have all biological societies endorse the article in "Ecology," and wait at least until the report by the National Academy of Sciences is published before taking a position on the recommendations, guidelines, rules, procedures, etc., relating to the introduction of genetically engineered organisms into the environment.

3) A third item discussed was the possible role the committee might play in educating APS members and the public of the new initiative in agriculture that is presently before Congress. The strategy for dealing with the proposed changes in funding of agricultural research seems to be of great importance so that all agricultural researchers can work together for the good of U.S. agriculture.

4) The committee also agreed to request a cosponsorship of a forum in 1990 on the public perception of the biosafety debate. Remaining on the agenda for next year will be a discussion of the development of a code of ethics for the Society.

Officers for 1989–1990 are: Chairman Merritt Nelson, Vice-Chairman Robert Gudauskas, Immediate Past Chairman Al Ellingboe, and Vice-Chairman Elect Roland Line.—Al Ellingboe

**Regulatory Work and Foreign Plant Disease Committee.** The committee met on August 20 in Richmond, VA, with 18 attendees (six members and 12 guests/visitors). John Appel had resigned from the committee as vice-chairman. William Dowler was elected chairman for 1989–1990 and Conrad Krass as vice-chairman.

A change in the name of the committee was discussed. Incoming chairman will circulate a letter outlining the old committee purpose, proposed revised purpose, and the proposed name change. Dr. Singh updated the committee concerning a Virology Committee proposal for exemption of widespread domestic plant pathogens from USDA permit requirements.

Attendees were briefed on the workshop that was held at Frederick, MD, to develop guidelines for quarantine (containment) facilities. Five categories of organisms and their containment requirements were identified.

Laura Dufresne reported a new outbreak of coffee rust in Puerto Rico. She also agreed to develop quarterly reports with the idea that the chairman will provide pertinent information to the committee and the APS newsletter. The committee plans to sponsor a symposium at the APS meeting in Grand Rapids, MI, on the impact of the free trade agreement with Canada on regulation and movement of plant pathogens.

At the 1989 APS meeting, the committee cosponsored a highly visible open forum, "Impacts of regulation of biotechnology on plant pathology" and sponsored a discussion, "Plant diseases that pose a threat to U.S. agriculture."—Bhisham P. Singh

**Standardization of Common Names of Plant Diseases Committee.** Three committee members, J. Dean Hansen, Jenne Bass, and Richard Smiley, met on August 20 to review the committee's mission and recent activities, to discuss the current status of new lists that are being developed, and to identify a new vice-chairman.

Since 1984, the committee has published or completed initial reviews on lists of diseases for 54 commodities. Eight lists were published in *Plant Disease* during 1988 and we anticipate publishing six lists during 1989. Lists for another three commodities are currently in midreview, six are in early review, and more than 20 others are being collated. The committee uses as its taxonomic guide the information in Farr et al, 1989 (APS Press, St. Paul, MN; 1,250 pp.).

Lists of common names for the six commodities that have been or will be published in *Plant Disease* during 1989 include avocado, cannabiss, cassava, date palm, flax, and spinach. The public review process, through publication in *Phytopathology News* and a subsequent response period, has been initiated for diseases of rye, safflower, and sunflower and Jerusalem artichoke. The com-



mittee is preparing additional lists for public review, including the commodities hop, mint, mustard, rapeseed, rice, and sugar beet.

Officers for 1989–1991 are J. Dean Hansen, chairman, and J. A. Fernandez, vice-chairman.—*R. W. Smiley*

**Teaching Committee.** The committee met on August 20 in Richmond, VA. G. Hudler presided. B. Christ, C. D'Arcy, I. Deep, D. MacDonald, M. Powelson, G. Schumann, P. Williams, T. Wyllie, and F. Zettler attended.

B. Christ and C. D'Arcy were elected vice-chairman for 1990 and 1991, respectively.

P. Williams discussed his efforts to obtain a grant from NSF to fund workshops to improve teaching of introductory concepts of plant pathology to teachers at all levels of education. This is to be part of the major theme of his presidential year. G. Schumann will circulate a survey to learn about interest in availability of offprints of feature articles in *Plant Disease*.

In 1989, the committee sponsored a well-attended discussion session on innovative strategies for teaching introductory plant pathology and a plant disease recognition contest. For 1990, the committee will sponsor the recognition contest (with the Diagnostics Committee), a poster session on teaching, a teach-in on computers and teaching (with the Disease Loss Assessment Committee), and a discussion on teaching forest pathology (with the Forest Pathology Committee).—*G. W. Hudler*

**Women in Plant Pathology Committee.** The Committee had a very active and productive year. A discussion session entitled "APS—How to get involved" was organized for the 1989 meeting. A social was again sponsored by the committee and was open to all APS members. A proposal for a "Women's Speakers Bureau" was funded by the APS Foundation at the level of \$1,500. The funds will be used to sponsor female plant pathologists as seminar speakers in selected plant pathology departments. Articles related to women in science are being prepared for submission to *Phytopathology News*. The committee will organize a workshop on manuscript writing during the 1990 meeting.—*R. Loria*

**Youth Programs Committee.** The committee met August 20. Chairman Robert M. Hunger, Juliet Carroll, Robert Littrell, and Paul Williams were present. Dr. Williams described his Wisconsin Fast Plants (WFP) program that can be used to demonstrate biological concepts (including plant pathology) in university, high school, and elementary school systems. The committee felt that the program is well suited to achieve the primary objective of the committee, and we are willing to work with him. A proposal for a monograph written by Juliet Carroll was submitted to the National Association of Biology Teachers (NABT) for publication consideration by the association. If accepted, Juliet will write the monograph, entitled "Learning biology with plant pathology." Gail E. Ruhl has agreed to chair the committee for 1989–1990.—*Robert M. Hunger*

#### Subject Matter

**Bacteriology Committee.** The committee meeting was attended by eight members and about 15 guests. At the 1988 APS meeting, the committee sponsored a symposium on "Factors involved in host-parasite interactions," organized by F. White. A discussion session on "Contemporary approaches to investigate the biology of plant pathogenic bacteria" was organized by L. W. Moore.

A. K. Vidaver reported on the status of the APS special committee on Biotechnology Regulation Impact Assessment and possible implications to plant bacteriologists. N. Schaad announced that the APS "Laboratory Guide for Identification of Plant Pathogenic Bacteria" is available and that he would appreciate receiving notification of any observed errors. It was also announced that B. Kirkpatrick had agreed to head the subcommittee on fastidious prokaryotes. A. Matthyse was reappointed to head the subcommittee on long-range planning of events sponsored by the Bacteriology Committee.

Several possible topics were identified for special sessions at

future APS meetings. For the 1990 APS meeting, the topic "Gene regulation in plant pathogenic bacteria" was suggested as a possible symposium or colloquium, and the topic "Phylogenetic relationships and evolution of phytopathogenic bacteria" was suggested as a possible symposium or discussion session. Plans were also initiated for a colloquium on the ecology of plant pathogenic bacteria and a teach-in on genetic tools useful in analyzing plant pathogenic bacteria.

Several names were placed in nomination to the Council for membership on the committee. J. E. Leach will serve as chairman for 1989–1990, with T. P. Denny as vice-chairman. S. Hirano was elected vice-chairman for 1990–1991.—*D. C. Gross*

#### Biochemistry, Physiology, and Molecular Biology Committee.

At the annual meeting in Richmond the committee sponsored two discussions: "Molecular biology of cell wall degrading enzymes" and "Surface interactions during infection." The committee also cosponsored several other discussions and symposia. For 1990, the committee decided to request a symposium on light active molecules and free radicals in pathogenesis, a discussion on induced resistance to disease and a workshop on innovative cytological techniques for study of host-pathogen interactions. A discussion on variability in the genus *Colletotrichum* was also requested for 1990 upon the request of an ad hoc group interested in this genus. A symposium on the fate of genetically engineered organisms was requested for 1991. Topics discussed for future meetings included toxins, mycotoxins, and signal transduction. The committee also discussed a report issued by the Ecological Society of America dealing with the release of genetically engineered organisms.

Jacyn Baker will serve as chairman for 1989–1990 with Merelee Atkinson as vice-chairman. Marty Dickman was elected vice-chairman-elect. Les Szabo, Paula Spaine, Steve Hutcheson, Ann Matthyse, and Peter Cotty volunteered or were nominated to serve on the committee.—*R. Hammerschmidt*

**Biological Control Committee Meeting.** The meeting was chaired by Eric Nelson with assistance by Harvey Spurr. It was recorded by Gary Harman. Officers for 1989–1990 are Harvey Spurr, chairman, and Gary Harmon, vice-chairman. Guy Knudsen was elected vice-chairman for 1990–1991.

The committee will request a discussion session for the 1990 APS meeting entitled: "Overcoming barriers to the implementation of biological control." This will be organized by Chairman H. Spurr, G. Harman, J. Stack, and R. Lumsden.

The committee will request cosponsorship of three discussion sessions for the 1990 APS meeting. These are: "Biocontrol of nematodes" (with Nematology), "Plants seeds and molecular biology" (with Seed Pathology and Biochemistry, Physiology, and Molecular Biology), and "Rhizosphere Competence of Microbes" (with Soil Microbiology and Root Diseases).

Funding for the *Biocontrol Newsletter* was discussed. The committee voted to have Harvey Spurr explore the possibility of requesting voluntary contributions from APS members to support the newsletter. Guy Knudsen and Eric Nelson volunteered to be assistant editors.

Larry Stowell reported his subcommittee has cut the original "Biological control of plant disease" slide set to 77 slides. The slide set is being designed for primary use by college-level educators including those who teach introductory plant pathology. One objective is to select slides that illustrate principles of biological control. May 1990 was set as the target for completion of the slide set.

Harvey Spurr discussed efforts by official agencies to regulate the introduction and exchange of native biocontrol agents. Many members of the committee were concerned about overregulation and the establishment of burdensome regulatory procedures. The committee agreed to work on the expansion of a list of excluded microorganisms by reviewing a list of "Plant disease and nematode biological control agents nonpathogenic to plants" prepared by Eric Nelson.—*G. Harman*



**Chemical Control Committee.** Chairman Turner Sutton discussed the 1988 minutes, which were approved. During the 1989 meeting, the committee cosponsored discussion sessions on "Standardization of disease assessment" and a second entitled "IPM and LISA: Meeting crop production challenges in the 1990s." The committee then discussed their role in the 1990 meeting. The committee decided to sponsor a discussion section on "Mode of action of fungicides and management of resistance." Earl Butterfield will serve as chairman with Industry and Diseases of Ornamental Plants and Turfgrass committees as cosponsors. The committee also decided to cosponsor a symposium proposed by the Tropical Plant Pathology Committee entitled "Sustainable agriculture in the tropics."

A discussion was held on whether to sponsor a discussion section entitled "Integration of chemical and biological tactics for disease control." It was decided to submit it as a colloquium for the 1991 meeting, with Paul Backman serving as temporary chairman and the Biological Control Committee cosponsoring. The committee then considered the need for one of its members to write a letter to the editor for publication in *Plant Disease*, indicating the need for appropriate controls in "F&N Tests" and "B&C Tests" publications and suggesting the need for poorly designed experiments to be rejected. The committee was receptive to the idea but did not make a formal recommendation.

Officers were elected for 1990, with Bryan Delp elected as secretary. The officers for 1990 are: Bryan Delp, secretary; Earl Butterfield, vice-chairman; Paul Backman, chairman; and Turner Sutton, past chairman.

The committee was contacted by Carol Windels to prepare a summary of activities for publication in *Phytopathology News*.—*Paul Backman*

**Diagnostics Committee.** There were 21 persons (5 members and 16 nonmembers) attending the committee meeting.

Melodie Putnam reported on the subscription list and fiscal standing of the *Plant Diagnosticians Quarterly* (PDQ). Melodie asked for ideas, topics, and volunteers to write articles. Ethel Dutky suggested that PDQ be sent to several diagnostic labs in developing countries.

Sally Miller reported on the Rapid Diagnostic Assay Workshop. The workshop was very well received the previous year and had sold out this year for the third time. Sally volunteered to organize another workshop for the Grand Rapids annual meeting.

Paul Bachi reported on the status of manuscripts received for the *Plant Disease* section "Spotlight on Diagnosis." Rob Wick encouraged diagnosticians to contribute papers.

Ethel Dutky announced that the Turf Disease Diagnosis Workshop had to be canceled due to lack of sufficient preregistration. The possibility of another turf disease workshop was discussed but no commitment was made.

Charles Semer reported on the Diagnostics Manual and the idea of applying statistics to the methodology. Charles suggested that, in the interest of moving ahead on the project, the statistical analysis should be put aside.

Jacqueline Mullen discussed the results of a poll conducted through PDQ regarding specialized services or techniques offered by diagnostic labs.

Seong Hwan Kim was elected vice-chairman and will assist Margery Daughtrey, chairman (1989–1990).—*Robert L. Wick*

**Diseases of Ornamental Plants and Turfgrasses Committee.** The committee reviewed the sessions sponsored at the 1989 meeting and discussed possible sessions for 1990 and 1991. It was decided that discussions of fungicide mode of action, effects of pesticides on nontarget organisms, and tomato spotted wilt virus be organized for 1990 after contacting other appropriate committees for possible cosponsorship.

It was suggested that plans be made for a symposium on tomato spotted wilt virus diseases in 1991. R. K. Jones was elected to serve as vice-chairman for 1990–1991. Nominations were made to fill vacant committee positions. Also discussed were the pos-

sibility of establishing a speaker's bureau and the sharing of computer-based bibliographies on diseases of turfgrasses and ornamentals.—*Gary W. Moorman*

**Environmental Quality and Plant Health.** The committee met on August 20. Five members and two guests were present. Members considered activities and subject matter for presentation at the Grand Rapids meeting in 1990. The committee agreed to cosponsor with the Chemical Control and Diseases of Ornamental Plants and Turfgrasses committees a discussion session entitled "Nontarget effects of pesticides." Bruce Clarke offered to serve as contact person for this project.

The committee discussed suggestions for presentations at the 1991 meeting in St. Louis. Michael Simini volunteered to explore the possibility of developing a workshop dealing with the "Recognition of abiotic stress symptoms in plants," and Paul Vincelli offered to develop a format for a discussion session on the "Effects of reduced tillage practices on disease development."

The committee nominated four candidates for inclusion on the 1991 committee. Art Chappelka and Steven Shafer will be chairman and vice-chairman, respectively, in 1989–1990. D. R. Krause was elected vice-chairman for 1990–1991.—*B. B. Clarke*

**Epidemiology Committee.** The 1989 committee meeting was attended by 11 members and 13 nonmembers. Upcoming meetings were announced and suggestions for future members of the committee were solicited.

Epidemiology sessions at the 1989 annual meeting were a colloquium organized by Jean Ristaino entitled "Dispersal of microorganisms in soil, on roots, and aerially from plant to plant," two contributed paper sessions, and one poster session. Epidemiology colloquia at the 1990 CPS/APS annual meeting will be "Innovative approaches to plant disease epidemiology: Graduate student contributions," organized by Chris Mundt, and "Variability in plant pathogen systems: Is there music in the noise?," organized by Jack Bruhn. Topics being considered for beyond 1990 include "Epidemiology and the release of genetically engineered microorganisms," "Evolutionary processes in plant pathogen populations," and "Farm-level application of epidemiological principles."

Wolfgang Schuh and Gregory Shaner are the 1989 chairman and vice-chairman, respectively. John Yuen was chosen as vice-chairman elect.—*C. C. Mundt*

**Exobiology and Space Phytopathology Committee.** The single most important item that is of concern to the committee is information dissemination on space research. Phytopathologists have not taken advantage of National Aeronautics and Space Administration Programs. Earth resources technology looked promising in 1971, but only large projects can effectively handle these data.

The Society needs to educate its members, as well as the public, that we have many model systems to measure the subtle effects of space flight. Interactions of organisms in spacecraft and space bases will be essential to define for both space and terrestrial environments. Our Society should take the lead in telling what has been done and in predicting what can be accomplished.—*Charles H. Walkinshaw*

**Forest Pathology Committee.** The committee sponsored a 2-day field trip to the Blue Ridge Parkway and Monticello to view several diseases of hardwoods and pines, under the leadership of Sam Alexander and his colleagues at Virginia Tech. Also under the leadership of Dr. Alexander, the committee sponsored a discussion session on the contributions of forest pathology to forestry in the southeastern/southern United States at the annual meeting. In addition, there were two paper sessions and one poster session, as well as special posters illustrating important activities of forest pathology in the South.

The committee meeting was again held before a packed room (ca. 50 in attendance). The 1990 program will include a symposium on tree declines and a discussion session on teaching forest pathology, both cosponsored by the CPS. The discussion session is

cosponsored by the APS Teaching Committee. Our colleagues in Michigan will lead a field trip of at least 2 days in conjunction with the annual meeting.

Other business included a lengthy discussion regarding the Task Force on the Future of Forest Pathology and its activities since the 1988 meeting. Probably most significant has been the initiation of a study of forestry research by the National Research Council as a result of concerted efforts with Arthur Kelman. Also, several members of the Task Force met with a group of forest entomologists to form the National Committee (or Council) on Forest Health Issues. These latter activities are a result of our concerns for reduced emphases on research, education, and application in forest pathology throughout the continent.

Jane Cummings-Carlson was elected vice-chairman-elect. Other officers during 1989–1990 are David Appel, chairman, and Paul Hessburg, vice-chairman.—*Fields Cobb, Jr.*

**Genetics Committee.** The 1989 meeting was called to order by Chairman David Gilchrist. Attending were Vice-Chairman A. Chatterjee and members C. Bender, A. Dodds, J. Dodd, T. Graham, J. Leslie, R. F. Line, G. Miles, D. Pope, R. Stavelly, P. Tooley, and N. van Alfen. Also present were L. Hadwiger, J. M. Marshall, W. Pedersen, J. Shaw, J. Sherwood, and J. Stack. New members were introduced and minutes of the 1988 meeting were approved.

Matters concerning the long-range planning and the regulation of genetically engineered microorganisms were discussed. A consensus was reached that this committee should continue to play an active role in matters pertaining to the genetical aspects of organismic interactions. The members also recognized that the committee should interface with other subdisciplines while maintaining its own identity. Discussion also centered on placing greater emphasis on the areas of host resistance and to nominate young and active members to reflect renewed interest in this critical area of plant disease management. The subject of genetic nomenclature was also reviewed. The committee voted to sponsor a symposium entitled "Genetic change in the host: pathogen environment" in 1990.

A list of willing perspective members has been submitted to the APS Council. J. Leslie was elected vice-chairman for 1990–1991.—*A. K. Chatterjee*

**Integrated Pest Management Committee.** The 1989 meeting of the committee was called to order by Chairman Keith Waldron. Attending were R. Bowden\*, D. Collins\*, D. Cooley, K. El-Zik, M. Fox\*, R. Fulton\*, G. McIntyre, D. Huber, C. Johnson, A. Lamey\* (representing M. McMullen), R. Line, T. Melton, M. Powelson, L. Seyler\*, C. Southards, J. Stapleton, W. Stienstra\*, D. Sumner, J. Travis\*, K. Waldron, T. Zitter (\* denotes visitors).

The committee sponsored a discussion session entitled "IPM and LISA: Meeting crop production challenges in the 1990s" organized by Dan Cooley and Keith Waldron. The session was attended by more than 200 people.

The committee discussed and proposed the following activities for upcoming national meetings: 1990—a symposium on "Plant disease management: Challenges and public understanding of IPM" (cosponsored with the Extension Committee), 1991—sessions on: "Cultural control of pathogens from concepts to implementation in IPM systems" and "Impact of soilborne pathogens on sustainable agriculture."

A discussion ensued regarding a request from the International Committee for the IPM Committee to consider a proposed policy statement on the role of IPM in developing countries. It was recommended that the APS Office of International Programs develop a statement on behalf of APS, that this statement be reviewed by APS members with international experience in IPM, and that the statement agreed upon be considered for approval by the IPM Committee.

The 1989–1990 committee officers will be Chairman K. El-Zik and Vice-Chairman D. Cooley. C. Johnson was elected vice-chairman for 1990–1991.—*Keith Waldron*

**Mycology Committee.** The committee convened on August 20 with 10 members and 10 visitors attending and M. E. Palm presiding. D. Carling, G. Adams, C. Windels, and P. Gunnell were nominated and recommended as new members. L. Spielman was elected vice-chairman and E. L. Stewart begins his 2-year term as chairman.

For the 1989 program the Mycology Committee sponsored the following: a premeeting *Phytophthora* identification workshop, a premeeting VAM identification workshop, a colloquium entitled "The oospore—Formation, maturation, and germination" organized by J. Lorbeer and L. Spielman, and a discussion session entitled "Problems in the species concept of *Rhizoctonia*" organized by N. Shishkoff.

The committee proposes to sponsor a discussion session at the 1990 meeting on "Recent advances in *Fusarium* systematics" to be organized by C. Liddell and will cosponsor a proposed symposium on "Evolutionary phylogeny of plant pathogens" with Virology and Bacteriology committees. The committee would like to sponsor a symposium at the 1991 meeting on "Manipulation of sexual recombination in plant pathogenic fungi—Past successes and future potential." The possibility of organizing a premeeting workshop for a future meeting on identification of Coelomycetes was discussed.

A subcommittee was established to investigate possible interaction with OIP.

S. Fricke-Meyer reported on progress in making Society members aware of the importance of voucher specimens and encouraging their deposition. She was strongly encouraged to continue. C. Liddell, M. Palm, and E. Stewart will coauthor a column for *Phytopathology News* on activities and philosophy of the Mycology Committee.—*Mary E. Palm*

**Mycorrhizae Committee.** The committee met August 20 with the following in attendance: Chairman J. H. Graham, Vice-Chairman R. N. Ames, J. B. Morton, F. Pfleger, N. C. Schenck, Y. Perez, S. Jensen, J. S. MacFall, P. Millner, J. P. Tewari, S. Neck, R. Garber, and L. C. Maia.

Program recommendations for the 1990 annual meeting were to cosponsor a discussion session with the Soil Microbiology and Biocontrol committees on rhizosphere competence. The program is to include discussion of mycorrhizal fungi, among other topics. For 1991, the committee, with cosponsorship from the Mycology Committee, submitted a request for a discussion entitled "Use of biotechnology in characterization of fungi." This session would focus on techniques for study of obligate parasitic fungi. The organizers are P. Millner and F. Pfleger.

Joe Morton, assisted by R. E. Koske, conducted a workshop on taxonomy of endomycorrhizal Endogonaceae at West Virginia University before the annual meeting in Richmond. Several of the 21 people attending were APS members. Joe Morton also offered a new mycorrhizal slide set, "Morphological characters important in identifying endomycorrhizal fungi in the Zygomycetes," through West Virginia University.

Program organization and plans for the 8th North American Conference in 1990 were presented for information and input from the committee.

For 1990–1991 J. H. Graham will remain as chairman and R. N. Ames as vice-chairman elect. A 2-year rotation of the chairmanship was approved by the committee.—*James H. Graham*

**Plant Disease Detection Committee.** The committee meeting was attended by 11 members and 2 visitors. The committee sponsored a discussion session for the 1989 program on "Present status and applications of remote detection of plant diseases and other stresses." The session was organized by D. Marshall.

Discussion focused on possible future program ideas. All members were in favor of a symposium on "Disease survey methodologies" for either 1990 or 1991. M. McGrath volunteered to begin organizing ideas and people for the disease survey symposium.

W. O. McCartney and M. McGrath will serve as chairman and vice-chairman, respectively, for 1989–1990.—*David Marshall*



**Plant Disease Losses Committee.** The committee met on August 20. W. L. Pedersen presided over 11 attendees members and former members and a guest.

Pedersen pointed out the change in the program for the discussion session "Standardization of disease assessment reporting," which was to meet Monday morning. He also reminded the committee of program sessions of special interest to each of us. Committee members were asked about the progress of a compilation of crop loss terminology. Members who were present discussed means of sharing this information with the Society's members (publication in *Phytopathology News*, etc.) and agreed to finalize this project.

The APS annual meeting for 1990 was discussed, particularly in regard to the theme of that meeting and the possibility of having more evening sessions versus limiting each committee to one special session (discussion, symposium, etc.). Suggestions were presented for sessions to be sponsored by this committee. These included: 1) a teach-in on "Use of computers, artificial intelligence, and simulations in plant pathology," 2) a discussion on "Assessing quality and postharvest crop losses," and 3) a discussion on "Recent development in crop loss research."

A motion was made and seconded to work with the Teaching Committee to organize the computer teach-in for 1990. Those present discussed the colloquium topic of "recent development" as a secondary session topic and a subcommittee was established for organizing this. Attendees were asked to suggest software/personnel for inclusion in the teach-in.

B. J. Steffenson and V. J. Elliott were nominated for vice-chairman of 1991-1992. Elections were delayed until next year. (Other nominations will be accepted.)

Pedersen reminded those present of the steps to take to become members of any committees. Several nominations for the Plant Disease Losses Committee were received.—*K. L. Bowen*

**Plant Nematology Committee.** The committee met August 20 with four members and six visitors attending. Several program activities were proposed for future meetings. It was agreed to host a colloquium on "Biological control of nematodes" in 1990 and a workshop on "New approaches in nematode diagnostics" in 1991, coordinated by Jim Kotcon and Charlie Opperman, respectively. Committee members discussed their role in coordinating the joint meeting of APS and the Society of Nematologists, planned for 1993.

An update of the APS slide set for nematology was discussed and will be coordinated with APS Press and the SON Education Committee. Charlie Opperman was elected vice-chairman and Gary Lawrence was elevated to chairman with James Kotcon as immediate past chairman for 1989-1990.—*James Kotcon*

**Postharvest Pathology and Mycotoxigenology Committee.** The committee meeting was attended by 10 members and 8 guests. Five new members were welcomed to the committee and the six members rotating off the committee were thanked for their participation over the last 3 years.

The committee discussed program topics for future meetings. T. E. Cleveland and G. A. Payne agreed to organize a colloquium for the 1990 meeting on "Molecular regulation of mycotoxin biosynthesis."

J. M. Wells and B. D. Bruton will serve as chairman and vice-chairman for 1989-1990.—*D. M. Wilson*

**Seed Pathology Committee.** Norm Schaad chaired the meeting in the absence of H. Bolkan, who was out of the country. A session entitled "The Status of Systematic Seed Health Testing" was proposed for cosponsorship by the APS and CPS Seed Pathology committees at the annual meeting in Grand Rapids, MI. D. McGee agreed to coordinate the session with B. N. Dhanvantari of CPS. "Legal Aspects of Seed Pathology" was selected by the committee as a topic for presentation to the Biotechnology Impact Assessment and Extension committees in Grand Rapids for joint sponsorship at the 1991 meeting in St. Louis, MO. "Plants, Seeds, and Molecular Biology: Tools for

Controlling Plant Diseases" was chosen for cosponsorship with the Biochemistry, Physiology, and Molecular Biology and the Biological Control committees. Betsy Schadel was elected vice-chairman.—*M. E. Meadows*

**Soil Microbiology and Root Disease Committee.** Several activities were sponsored and completed during 1988-1989. The committee sponsored a symposium, "Phymatotrichum root rot," organized by Stuart D. Lyda in recognition of 100 years of research on the pathogen. Presentations will be published in *Phytopathology*.

A subcommittee consisting of Larry L. Singleton, Jeanne D. Mihail, and Charles M. Rush have received approval from APS Press to edit a book entitled "Methods for Research with Soilborne Phytopathogenic Fungi." Anticipated date of publication is scheduled for fall 1990.

Proceedings from a 1985 symposium sponsored by this committee were published by APS Press in August 1989 in "Soilborne Plant Pathogens: Management of Diseases with Macro- and Microelements." Special thanks are due to Arthur W. Engelhard who served as editor and to Don M. Huber who provided facilities and assistance in preparing the manuscripts in a camera-ready format.

Future programs were discussed and proposed at the 1989 meeting. Proposals for 1990 were a discussion session, "Rhizosphere competence" (David M. Weller), cosponsored with Biological Control and Mycorrhizae committees, and a colloquium, "Taxonomy and identification of *Fusarium* species" (Craig M. Liddell), cosponsored with the Mycology Committee. The proposal for 1991 is a discussion session: "Influence of sustainable agriculture on soilborne pathogens" (William W. Bockus). The proposal for 1992 is a symposium, "Influence of plant pathogens on root growth and function" (Jean Beagle Ristaino).

John A. Menge, Donald M. Ferrin, and Charles M. Rush will serve as chairman, vice-chairman, and vice-chairman-elect, respectively, for 1989-1990.—*Carol E. Windels*

**Tropical Plant Pathology Committee.** The committee met August 20 with 10 committee members and seven nonmembers present.

Chairman Jose Amador called the meeting to order. After reviewing the agenda, he read the minutes from last year's meeting in San Diego. The composition of the committee and the slate of officers were reviewed. Bob Fulton was elected vice-chairman. The composition of the officers is as follows after the meeting in Richmond: Pete Timmer, chairman, 1989-1990; Bob Fulton, vice-chairman, 1990-1991; and Jose Amador, past chairman.

Randy Ploetz requested to be added to the committee and submitted his request to Past Chairman Amador. Other persons interested in joining were asked to wait for 1 year.

Ethel Dutky invited members of the committee to donate their services to further the programs of the Professional Development Committee of OIP, which is listing workshops, short courses, and other training opportunities that APS members can provide for plant protection officers and individual plant pathologists in developing countries. Information and a contact's name appeared in a recent issue of *Phytopathology News* (Vol. 23 No. 12, p. 174). The program will also be advertised to department chairmen, OIP contact persons and Tropical Plant Pathology Committee members.

The importance of featuring and increasing awareness of diseases of tropical crops was discussed. It was decided to develop a display to be used at the OIP booth at the St. Louis meeting on black sigatoka, an important new disease of banana and plantain. The display will emphasize the socio-economic impact of the disease worldwide. It will be developed by Bob Fulton with Randy Ploetz and Ben Waite assisting. Also, an attempt will be made to interest a major magazine such as *National Geographic*, *Natural History*, or the *Smithsonian* to use articles developed by the committee on important tropical diseases, such as was done with lethal yellowing of palms, featured by *National Geographic*.



The symposium for the Grand Rapids meeting on low input agriculture and its relationship to diseases of tropical crops will be requested again this year, cosponsored by the Integrated Pest Management and Chemical Control committees. It will be organized by Jose Amador with input from the other committees.

The meeting of the Caribbean Division, the Latin American Society of Phytopathology, and the Colombian Phytopathological Society was discussed by Amador, as well as the next meeting of Caribbean Division in Puerto Rico.

The revision of the slide set on tropical diseases was discussed. Because little progress has been made on this endeavor and because of the possibility that slide sets from APS compendia may be available, the slide revision project needs to be reassessed. Jose Amador will reevaluate needs and the committee will try to develop sets on crops where a need not covered by the compendia is perceived.—*Jose Amador*

**Virology Committee.** The committee convened with 11 members and 31 guests attending. R. C. Gergerich was elected vice-chairman for the 1991 APS meetings. L. Brown, R. P. Pacumbaba, R. F. Palukaitis, J. C. Tu, S. Loesch-Fries, and P. Berger joined the committee as new members. The committee sponsored a symposium at the 1989 meeting, "Application of viral vectors to the transfer of genes into plants," organized by G. A. DeZoeten. A symposium, "Structure and function of plant viral genomes and their satellites," sponsored by the committee for the 1990 meeting, will be approved by the planning committee and will be cosponsored by the Canadian Phytopathological Society. The symposium is being organized by C. Hiruki. A symposium on immunological techniques in plant pathology, which may be cosponsored by several other committees, was proposed for the 1991 meetings. The proposal for the symposium was submitted to the planning committee.

"Serological detection of plant viral and bacterial plant pathogens: A laboratory manual," which was written by Hampton, will go to press this year. The subcommittee that generates plant virology slide sets appointed A. D. Hewings as a coeditor. O. W. Barnett will continue as coeditor to facilitate publication.

A presentation of the nearly completed plant virology database occurred. The database and program will sell for \$25. An advertisement for purchase of the database will appear in *Phytopathology News*. A report from the American Type Culture Collection was presented by L. L. McDaniel.—*S. A. Lommel*

## REPORTS OF SPECIAL AND AD HOC COMMITTEES

**Biotechnology Regulation Impact Assessment Special Committee.** Members in attendance were Chairman D. Coplin, A. Vidaver, D. Gabriel, K. Leonard, D. MacKenzie, D. Fravel, and S. Tolin (*ex officio*). The committee sponsored a forum on "Impacts of regulation of biotechnology on plant pathology." During the past year the committee formulated comments on behalf of the Society on the EPA's draft rules for environmental release of the microbial products of biotechnology under FIFRA and TSCA.

At the meeting the committee reviewed the status of the appendix to the NIH Guidelines dealing with greenhouse containment, the USDA/ABRAC Guidelines for Research with Genetically Modified Organisms Outside of Contained Facilities, and NBIAP activities. Plans were made to prepare comments on the EPA rules and ABRAC guidelines when they are published in the *Federal Register*. The committee passed a motion to offer help to APHIS/PPQ if they decide to go ahead with a project to classify unmodified plant pathogens according to risk. The position statement of the Ecological Society of America on the planned introduction of genetically engineered organisms into the environment was also discussed but a motion to endorse it failed. The committee decided to propose a colloquium on "The biosafety debate: Where are we?" for the next annual meeting. A motion to ask the Council to keep the committee active for several more years was approved and Dean Gabriel was elected chairman for 1989–1990.—*D. L. Coplin*

**Ad Hoc Member Survey Committee.** The committee continued to analyze the results of the membership survey of 1988. Subcommittees were charged with analysis of questions pertaining to demographics, APS meetings, APS Press, the Placement Service, young members responses, and women vs. men. Computer work was done by Larry Moore and his assistant, Robert Ford, at VPI. Contributions of each subcommittee were compiled to create a poster, which was constructed by Steve Kronmiller at APS headquarters and displayed at the 1989 annual meeting. Survey results were presented during the meeting to the department heads and to the Council. In the coming year, columns pertaining to each of these sections will be published in *Phytopathology News*.—*Jacqueline Fletcher*

## REPORTS OF DIVISION COUNCILORS

**Caribbean Division.** Members of the Caribbean Division were active in several projects that meant involvement in matters pertaining to the division, the Society, and the international role played by many of its members.

The division's annual meetings were held in Cali, Colombia. The meetings brought together members of the Latin America Phytopathological Society, the Colombian Society of Phytopathology, and the APS Caribbean Division. The facilities of the Center for International Tropical Agriculture (CIAT) were used with great success. In addition to the regular abstract presentations, there were several invited papers covering the following subjects: transfer of technology in plant pathology; integrated control of plant diseases; low input sustainable agriculture in the tropics; perspectives for scholarships and postgraduate studies in plant pathology in the tropics; epidemiology of plant disease modeling; detection and identification of plant pathogens, soil-borne pathogens, and biotechnology: challenges and practical applications.

Nearly 300 persons, many of them from Colombia and from several Latin American countries, plus a delegation from Spain, attended the meetings. There were tours of the CIAT facilities and a tour of the agriculturally important Cauca Valley.

A discussion was held on the possibility of forming a Federation of American Societies of Plant Pathology. At first, the intention was to come out of the meeting with a well-defined proposal. However, it was obvious from the beginning that additional talk and discussion was needed, since all the societies in the Americas had not been consulted and there were no representatives from many of them at the Congress. Francisco J. Morales, head of virology research at CIAT, was elected to serve as temporary or organizational secretary of the Federation through the formative stages.

Several items were discussed at the business session of the Caribbean Division. Some of these were next year's meetings, scheduled for Puerto Rico; future site of other meetings (Dominican Republic and Venezuela) and the joint meeting with the parent society in Acapulco, Mexico, in 1994; election of a new councilor (I was requested to remain as councilor for another term, since the Caribbean Division was out of sequence with the other divisions in the number of years the councilor had served); financial status of the division; and the publication in *Phytopathology* of abstracts of the papers presented at the meetings.

Next year's annual meeting will be held on the campus of the University of Puerto Rico at Mayaguez, May 27–31, 1990. Special conferences and invited speakers are as follows: virus diseases of tropical crops (Julio Bird); coping with fungicide resistance in the tropics (Charles Delp); biological control and integrated management of nematodes in the tropics (N. Acosta and Rodrigo Rodriguez); disease resistance and hybrid vigor (P. R. Hepperly); and mollicutes on tropical crops (Karl Maramorosh).—*Jose Amador*

**North Central Division.** The North Central Division meeting was held at Kansas State University, Manhattan, June 19–21. More than 125 scientists attended. The theme of the meeting was "Plant Disease Resistance." Invited speakers at the plenary

session were B. S. Gill and R. G. Sears, Kansas State University; J. V. Groth, University of Minnesota; and S. A. Lommel, North Carolina State University. Other invited speakers as a part of a symposium on the same subject were S. Muthukrishnan, Kansas State University; M. B. Dickman, University of Nebraska; and Arnold Foudin, USDA-APHIS, Hyattsville, MD.

There were 23 contributed papers and 13 posters presented. Awards for the best papers and posters and the Distinguished Service Award were presented after the meeting banquet. Two sets of awards were presented for the best papers and posters among graduate student entries in the competition. Two first places were awarded for oral presentations to Adriana Tomas, Kansas State University, and Richard Wagner, University of Illinois, who tied for first place. First place for a poster went to Annie Wrobel, University of Nebraska, and second place to Charla Rae Armitage, Oklahoma State University. Awards consist of a certificate and cash prize.

The North Central Division Award of Distinction, consisting of a certificate and a cash prize, was presented to Melvyn L. Lacy for his contributions to the division and to APS.

At the business meeting, North Central Division Councilor Melvyn Lacy and APS Vice-President Paul Williams discussed past activities of the Council and future concerns of the division and the Society. One of the main items of interest was the beginning of construction of a new wing on APS headquarters building in St. Paul.

Division officers elected for 1989–1990 were Christine Stephens, president, and Einar Palm, vice-president. Carol Windels continues as secretary/treasurer, and Melvyn Lacy continues as division councilor.

The 1990 meeting of the division will be held in conjunction with the national APS meeting at Grand Rapids, MI, August 12–16. Joseph Vargas is local arrangements chairman.—*M. L. Lacy*

**Northeastern Division.** The officers of the Northeastern Division are President D. R. Bergdahl, Vice-President S. A. Johnston, Secretary/Treasurer D. J. Pieczarka, Councilor S. P. Pennyacker, and Councilor-Elect K. D. Hickey.

Regional meetings scheduled are: November 1–3, 1989, Sherraton Penn State, State College, PA; November 7–9, 1990, New Haven, CT; November 1991, Ithaca or Syracuse, NY; and November 1992 (possibly in Maine).

The report of the 1988 meeting was submitted at the 1988 annual meeting in San Diego by David R. Houston.

Local arrangements directors at the divisional meeting at Sherraton Penn State were P. J. West and H. Cole, Jr. Information regarding the meeting has been distributed to members. The meeting included contributed paper sessions, extension plant pathologists updates, industry updates, a discussion session on the status of forest pathology in northeastern North America, a workshop on needle cast fungi, and a symposium on technology transfer. A Wednesday evening session included academic and industry participants displaying programs and/or products. This display is designed to increase interaction between academic and industry associates.—*S. P. Pennyacker*

**Pacific Division.** The Pacific Division held its annual meeting June 19–21 at Oregon State University, Corvallis. There were 130 registrants. The program consisted of a field tour on diseases of crops in the Willamette Valley held before the division meeting, a symposium on biological control of plant disease, and eight contributed paper sessions. Jay Pscheidt conducted the field tour and Joyce Loper presided at the symposium.

Featured speakers at the symposium were postdoctorates from various institutions in the division. The paper sessions consisted

of 29 presentations. Two awards were presented for the best paper among six graduate student papers entered in the Graduate Student Award Competition. First place was awarded to Kathy Lewis of Oregon State University, and second place was awarded to Dan Chellemi of University of California, Davis. Both winners received an engraved plaque and a cash prize.

President John Mircetich presided at the business meeting. APS President Don Mathre and Pacific Division Councilor Mary Powelson gave updates on activities of Council and the Society. Division officers for the 1989–1990 year are: Michael Stanghellini, president; Fred Grey, president-elect; James MacDonald, secretary/treasurer; and Mary Powelson, councilor.

The 1990 Pacific Division meeting will be held in Hilo, HI, June 18–20. Tony Fernandez of the University of Hawaii is the local arrangements chairman.—*Mary L. Powelson*

**Potomac Division.** The division held its annual meeting in Richmond, VA, in conjunction with the APS annual meeting. Separate activities included a business meeting and graduate student paper competition. Winners of best papers were F. D. Smith of Virginia Polytechnic Institute and State University (coadvised by P. M. Phipps and R. J. Stipes), and J. C. Doney, Jr., West Virginia University (advised by J. B. Kotcon).

New officers are President G. Bean, University of Maryland; Vice-President E. Stromberg, Virginia Polytechnic Institute and State University; and Councilor W. L. MacDonald, West Virginia State University. S. Hurtt continues as secretary/treasurer.

The 1990 meeting will be March 21–23, 1990, in Morgantown, WV.—*Robert B. Carroll*

**Southern Division.** The Southern Division met at the Opryland Hotel, Nashville, TN, February 5–8, in conjunction with the annual meeting of the Southern Association of Agricultural Scientists. The hotel facilities for the meeting were excellent.

The division welcomed APS President Don Mathre as special guest. He discussed the state of the Society at the general meeting.

President O. J. Dickerson presided over the meeting, which had 96 registrants. Several people were unable to attend because of icy weather, and some papers were cancelled. The program included nine papers in the Graduate Student Award Competition, 33 other papers, and 12 posters. John Fulkerson, USDA-CSRS, gave the keynote address, "Observations on our future." The keynote address at the SAAS general session was presented by Ralph W. F. Hardy, deputy chairman of Biotechnia International, on "What biotechnology can do for agriculture."

The first place graduate student paper award of \$100 and a certificate was presented to B. J. Goodrick, University of Georgia, for the paper "Restricted translocation of cowpea chlorotic mottle virus in nonhypersensitive resistant soybean." The research was under the direction of major professor C. W. Kuhn. H. R. Boerma was a coauthor. The second place award of \$50.00 and a certificate was presented to J. Taylor, University of Georgia, for the paper "Fungal development in susceptible and rust resistant pearl millet," under the direction of C. W. Mims.

Derald A. Slack, professor and head of the Department of Plant Pathology, University of Arkansas, was given the Outstanding Plant Pathologist Award.

Officers for 1989 are Claude Thomas, president; Lee Campbell, vice-president; John Rupe, secretary/treasurer; Jim McGuire, councilor; and Kenneth Conway, councilor-elect.

The councilor, councilor-elect, and Carroll Southards toured the Opryland Hotel to view facilities to support the 1993 annual meeting of APS in Nashville.

The 1990 meeting of the division will be February 4–7, 1990, in conjunction with the annual meeting of the Southern Association of Agricultural Scientists at the Excelsior Hotel in Little Rock, AR.—*James M. McGuire*