

Eightieth Annual Report of the American Phytopathological Society

The 80th Annual Meeting was held at the Town and Country Hotel in San Diego, CA, November 13–17, 1988. Frontiers in Plant Health Management was an appropriate theme for this dynamic meeting, which had 1,906 registrants. The plenary session, chaired by APS President A. R. Weinhold, highlighted this theme with presentations on “Applications of Plant Genetic Engineering to Crop Protection” by David A. Fischhoff of the Monsanto Company and on “The Development and Use of Expert Systems in Apple Disease Management” by James W. Travis of The Pennsylvania State University.

Frontiers of our science were explored through 77 contributed sessions that contained 853 oral presentations and posters dealing with advances in knowledge on diseases and the organisms causing disease. Other sessions emphasized host-parasite interactions, disease control, and epidemiology. Biotechnology and molecular biology were also important topics. This year's symposia were entitled “Epidemiology on a Regional Scale,” “Plant Health Management Issues of Public Concern: Focus on Pesticides,” and “Assessing the Potential Impact of Planned Releases of Bioengineered Organisms Using Modeling and Nonmodeling Approaches.” Further stimulation of participants could be obtained by attending one of the 11 discussion sessions (Forest Decline; Plant Health Management Information—The Role of Extension, Private Practice, and IPM Specialists; The Evaluation of Teacher Performance in Plant Pathology; Challenges in Transferring Useful Germ Plasm to the Farm; Fluorescent Pseudomonads as Agents for Biological Control of Plant Disease; New Products and Services from Industry; Assessment of IPM Programs—At a Crossroads; Direction of Future Research on Physiology of Rusts and Other Diseases Caused by Biotrophic Fungi; Opportunities for Employment in International Agriculture; Impact of Current Regulations on Disease Management Decisions; Application of Detection Technology to Virus Disease Diagnosis); 8 colloquia (Management of Disease Resistance in Harvested Fruits and Vegetables; Abiotic and Biotic Diseases of Ornamental Plants; Risk Assessments for Utilization of Microorganisms in the Environment; New Findings and the Role of *Pythium* in Root Diseases; Application of Biotechnology for Crop Improvement; Ground Water Contamination by Pesticides; Developments in Systematics of *Trichoderma*; Expression of Cloned Genes Involved in Host-Parasite Interactions); 2 teach-ins (Recognizing Insect Injury; Genetic Methods for Characterization and Identification of Bacteria); 3 workshops (Extramural Funding and Grant Writing Strategies—How to Support Your Research Program; Rapid Diagnostic Assays for Plant Pathogens; Problems of Conducting Research in Microgravity); and 2 forums (Impacts of Regulation of Biotechnology on Plant Pathology; APS Office of International Programs Open Forum on Activities—Past, Present, and Future). Commercial exhibits, a publisher's book display, the APS book display, a plant disease recognition contest, and numerous delightful tours, outstanding social functions, and several ancillary meetings were also available. There was a premeeting workshop sponsored by APS on Current Plant Virus Detection Methods and a postmeeting workshop on Molecular Approaches to Genetics and Systematics of the Oomycetes: *Phytophthora* and *Pythium*.

Just as frontiers of our science can advance most rapidly by cooperation among scientists of various disciplines, scientific societies are finding that service to their science and membership can best be accomplished through cooperation and interactions with other professional societies. The President's Forum, a new offering at this meeting, is an attempt at further understanding

among scientific societies. Donald Holt, president of the American Society of Agronomy, discussed their use of strategic planning methods to enhance and improve their society.

An example of the growth of our society is reflected by the unanimous decision by APS Council members to enlarge the headquarters building. Since construction of the headquarters building in 1961, two new journals have been started by APS, *Plant Disease* and *Molecular Plant-Microbe Interactions*. The expansion of publication of books, compendia, and other plant pathology materials led to the establishment of APS Press. The size and complexity of our annual meetings has increased so that arrangements, planning, and operation of the meeting require professional expertise to assure meeting excellence; and professional staff are required to maintain current and historical records and to provide member services, such as placement, for a diverse and growing society. As a result, the highly efficient operation at APS headquarters requires more staff than the building can safely accommodate, even with two shifts. The Council decided that the additional building is necessary for APS to continue as a vibrant society in the future. Council members hope that their enthusiasm about this expansion can be conveyed to all the membership.

Myron K. Brakke received the Award of Distinction; the highest award of the society, for his exceptional contributions to science. Fellow of the Society recognition went to 13 members: A. A. Bell, D. W. Burke, U. L. Diener, E. Echandi, G. L. Ercolani, C. Hiruki, S. M. Lim, G. Lobenstein, D. C. Ramsdell, J. F. Schafer, H.-J. Su, I. J. Thomason, and B. G. Tweedy. Paul G. Ahlquist received the Ruth Allen Award, Christine T. Stephens the CIBA-Geigy Award, and Gaylord I. Mink the Lee M. Hutchins Award.

President Weinhold entitled his Presidential Address “Trends in Plant Pathology, Opportunities for the Future.” APS annual meetings from 1961 to 1988 served as a background for his comments. In 1961, there were 200 paper presentations; in 1988, there were 853. Meeting attendance paralleled this increase in presentations. The presentations at the annual meetings were analyzed to obtain some indication of research trends over the past 28 yr. A significant finding was that research emphasis has been remarkably stable over this period. President Weinhold emphasized the importance of maintaining the balance that has been established over the past three decades and discussed the potential impacts of research funding patterns and biotechnology on our profession. The text of the address will be published in *Phytopathology* as part of the annual report of the society.

Membership survey returns have not been completely analyzed, but the 50% response rate by APS members shows that all segments of our society are involved, concerned and interested in the society. There were 500–800 individual responses to each of the six questions asking for short written responses. The APS Bulletin Board will have tabulations of the first 39 questions. These will also appear in *Phytopathology News*. Members at the business meeting voted to make the APS Foundation a separate corporation so that the Foundation can accept donations of property. The winners of the Foundation Genesis Awards, Forest Nutter of the University of Georgia and Gail Schumann of the University of Massachusetts, were recognized by Foundation Director Jim Tammen. Charlie Delp, Director of the Office of International Programs, recognized Luigi Chiarappa for his dedication to international plant pathology.

APS Press, *Phytopathology*, and *Plant Disease* are all operating smoothly. The new journal, *Molecular Plant-Microbe Interactions*, is a high quality scientific journal, but even though a

constant rate of submissions are obtained, larger numbers are required. The APS Council decided to offer MPMI as a journal option for membership. Bylaws changes in the requirements for Fellow Awards and Lee Hutchins Awards were approved by the membership at the business meeting.

President Weinhold was very impressed with the vigor and vitality of the APS divisions. All divisions make important contributions to our profession and society.

Sites for the next APS Meetings are as follows: Richmond, VA, 20–24 August 1989; Grand Rapids, MI, 5–9 August 1990; St. Louis, MO, 18–22 August 1991; Portland, OR, 8–12 August 1992; and Nashville, TN, 7–11 November 1993. Midyear council meetings will be held March 30–April 1, 1989.—*O. W. Barnett*

REPORT OF COUNCIL MEETINGS

President Albert R. Weinhold presided at the Mid-Year Council meeting held at APS headquarters March 25–27, 1988, as reported in *Phytopathology News* (Vol. 22, No. 6, 1988). He also presided at APS Council meetings held in San Diego November 12–17, 1988. President Don E. Mathre presided at the new Council meeting on November 17, 1988. All Council members were present. Persons completing terms on Council and new Council members are listed in the Report of Business Meeting that follows this report.

H. R. Cameron, treasurer, reported that APS is financially sound. Membership in APS is not growing, but activities are increasing. For instance, more services are being provided to members by headquarters staff, APS Press concluded its fourth year, *Molecular Plant-Microbe Interactions* is in its infancy, and meetings seem to be increasing in complexity and variety. A reserve fund, developed over the past several years, has been used to underwrite initiation of some new projects. Our financial situation requires careful monitoring to prevent overspending and money should be budgeted for the reserve fund.

The Long-Range Planning Committee, Financial Advisory Committee, and APS Council discussed the sufficiency and location of the APS headquarters building in detail. No compelling reasons were found for changing locations, and several reasons, such as retention of key staff, were mentioned that favored the present location in St. Paul. Increased publication and member service activities by APS and the Cereal Chemists (co-owners of the building) have required additional staff. No more staff can be added in the present building. This situation has been discussed by the Council for several years, and several plans for additions to the present building have been drawn and presented to the Council. At San Diego, the Council voted unanimously in favor of building an addition to the present headquarters building. The Council felt that any other decision would have been to the detriment of the society and that this additional space would be a positive factor in maintaining the vitality and growth of APS.

A film promoting plant pathology was produced under the auspices of the Public Relations Committee. This film will be released for use as a video with advertisements on its availability in *Phytopathology News*.

Members of the APS Foundation Board of Directors recommended that the Foundation be made a separate corporation, legally independent of but in close affiliation with APS. This step was necessary as a matter of good business practice to allow the Foundation, rather than APS, to accept donations of property. This was approved unanimously by the Council and presented to the membership at San Diego.

A membership survey was conducted at the request of the Council. A good response from APS members was obtained. Different Council members were appointed to analyze the responses and to recommend appropriate action.

The Ad Hoc Committee on Exobiology was changed to a Standing Committee. The Biotechnology Regulation Impact Assessment Committee was organized during the year and changed from an Ad Hoc to Special Committee at San Diego. The B & C Tests Committee was made a committee of APS Press. The Diagnosticians, Plant Disease Detection, and Virology committees organized a premeeting workshop sponsored by APS.

Reports from many committees were considered by the APS Council. These activities on behalf of APS are valuable and numerous (see following reports by committees).

A synopsis of the Long-Range Research Goals was formulated by a subcommittee of the Long-Range Planning Committee as follows:

Mission: To foster the efforts of plant health scientists in understanding plant disease processes and in improving disease management technologies.

Research Needs:

1. Improve plant health management using economically and environmentally sound technologies. This research will emphasize an integrated approach, using systems thinking. It will involve effective biocontrol and cultural control technologies. It will exploit plant resistance fully, and it will use pesticides effectively and minimally as needed.
2. Increase our understanding of interactions between plants and disease-causing organisms. Future disease control technologies will be derived from such understanding. Investigations are needed at all levels of biological organization (molecular, cellular, organismal, population). Appropriate model systems should be emphasized initially for "selective" rapid accomplishment.
3. Integrate biotechnology into the science of plant disease control. New tools for rapid disease detection are required. Plants engineered with resistance genes need to be developed. Novel methods of biocontrol and chemical control techniques and delivery need to be developed.

During the Council meeting Dr. John Fulkerson spoke about developments in Washington of importance to APS. He urged APS to have strong voices on the federal scene by having members sensitized to federal policies.

Several key appointments were made during the year by the Council (see Report of Business Meeting). Numerous items were discussed by the APS Council in the sessions at midyear and at the annual meeting. Your suggestions and concerns are always welcome.—*O. W. Barnett, Secretary*

REPORT OF THE BUSINESS MEETING

President Albert R. Weinhold called the meeting to order Wednesday, November 16, 1988, in the Presidio Room of the Town and Country Hotel. Ralph Green was appointed parliamentarian. The agenda was presented and approved.

President Weinhold summarized highlights of the year. There has been an increase in cooperation among scientific societies. Publications continue to be an important function of APS, and they project an image of the society to others. He reported on the responses to the member survey, on the decision by the APS Council to offer *Molecular Plant-Microbe Interactions* as a journal option for membership and on the decision to enlarge the headquarters building. President Weinhold found that attending the various Division meetings gave him a valuable perspective on the depth and breadth of the society. He appreciated the support he obtained from the membership and from staff during his enjoyable tenure.

Customary committee reports were presented including reports of the Necrology Committee by O. W. Barnett and the Site Selection Committee by Paul Williams. Publications were reviewed by R. Smiley, APS-Press Editor-in-Chief; G. Bruening, Editor-in-Chief of *Molecular Plant-Microbe Interactions*; M. Benson, Editor-in-Chief of *Phytopathology*, and W. Horne, Editor-in-Chief of *Plant Disease*.

Charlie Delp, director of the APS Office of International Programs, discussed the objectives of OIP and explained the organization that has evolved over the last 2 yr. Many plans have been made for expanding international involvement. OIP gave special recognition to Luigi Chiarappa for his many years of devotion to international agriculture.

Jim Tammen, Chairman of the APS Foundation Board of Directors, explained the Foundation's two fund-raising programs—annual giving and endowment fund. This year two awards were given through the Genesis Program for teaching in

plant pathology; Forest Nutter, University of Georgia, and Gail Schumann, University of Massachusetts, were the recipients. New members of the Board of Directors are Glenn Pound, John Lockwood, and Ed Kendrick. Ralph Green was appointed treasurer.

Article VI, Section 4, of the Constitution was amended to allow the Foundation to appoint three of the seven board members. Bylaw 4.C. was deleted because an APS Endowment Fund is no longer needed now that the Foundation has been established. Bylaw 5.A. was amended to require that Fellows be members of APS at least 3 yr before nomination. Bylaw 5.C. was amended to change requirements for the Lee M. Hutchins Award. Bylaw 6.C. was amended to establish a *Phytopathology News* Coordinating Committee.

The Local Arrangements Committee chaired by Donald Munneki was thanked for its contributions to an excellent meeting. President Weinhold expressed his appreciation to the following for their service to the APS: Anne Vidaver, past president; H. R. Cameron, treasurer; D. P. Maxwell, councilor-at-large; D. R. Houston, Northeastern Division counselor; J. M. Ogawa, Pacific Division counselor; D. W. French, APS Foundation charter treasurer; F. L. Howard and R. A. Young, APS Foundation directors; and C. W. Horne, editor-in-chief, *Plant Disease*. The gavel was passed to Don E. Mathre, APS president for the coming year. The new Vice-President George V. Agrios of the University of Florida and Councilor-at-Large Cleora J. D'Arcy of the University of Illinois were introduced. D. W. French, University of Minnesota, was introduced as APS treasurer; Stanley P. Pennypacker, The Pennsylvania State University, was introduced as the new Northeastern Division councilor; and Mary L. Powelson, Oregon State University, as the Pacific Division councilor.

The new editor-in-chief of *Plant Disease* will be Wayne A. Sinclair of Cornell University.

REPORT OF OFFICERS

Report of the President. *Interaction with other societies and agencies.* The American Phytopathological Society has made significant progress in interactions with other societies and agencies. We are only beginning to realize the potential benefits that can result from cooperation among organizations with common interests, but recent developments are very encouraging. The renewed spirit of cooperation is likely due to mutual concern about availability of research funding, the expanding regulatory activity in areas of biotechnology and pesticides, and the increased awareness of public responsibilities of scientific societies. The following developments are particularly noteworthy.

The American Society for Microbiology has been active through the publication of a public affairs report and the preparation of position papers by their Public and Scientific Affairs Board. Through letters I have written, APS has joined with ASM in expressing concern to members of the House and Senate Appropriations Sub-Committee on Agriculture & Rural Development and related agencies about proposed reductions in the competitive Research Grants program and to EPA regarding their proposal to regulate biotechnology under the Toxic Substances Control Act. There is room for considerable improvement in communication and coordination between our Society and ASM, but I believe that worthwhile progress has been made.

The American Institute of Biological Sciences has shown renewed interest in public responsibilities services. In a memo accompanying a survey on expanding AIBS public responsibilities services, it was stated that AIBS is considering offering member societies public affairs information catering specifically to their interests and needs. This is a very positive step on the part of AIBS and believe that APS should endorse and support this endeavor.

In April of this year the Board on Agriculture, one of eight units within the National Research Council, held a meeting of the leaders of scientific agricultural and natural resource societies. I am

pleased that Dr. Bill Fry was able to attend and represent APS. Among the goals of the meeting, which the Board anticipates will become an annual event, were to foster dialogue and communication within the agricultural science community on issues of broad importance and interest and to inform the scientific societies of the Board's ongoing and future activities, as well as to seek ideas and support.

The Intersociety Consortium for Plant Protection met May 16 and 17. The highlight of an excellent program, developed by Consortium President Anne Vidaver, was the Attorney's Roundtable, which focused on the role of scientific societies in the legislative process. In view of the recent withdrawal of the Entomological Society from the consortium, a key agenda item was a discussion of the future of ISCPP. There was a strong consensus that now, probably more than ever, there is a need for intersocietal cooperation and it was decided to make an effort to revitalize ISCPP.

The one ad hoc committee I appointed was in response to the need for APS to become more involved and to exert more influence in the regulatory process. The Biotechnology Regulation Impact Assessment Committee, chaired by Dr. David Coplin, along with other committees, such as the Public Responsibilities Committee and the Regulatory Work and Foreign Plant Disease Committee, will have an important role in the interactions of APS with other societies and agencies. The social, political, and scientific environment in which we must function is becoming increasingly complex, and every effort must be made to ensure that the views and activities of APS are presented clearly and effectively.

The Experiment Station Committee on Organization and Policy (ESCOP) has provided APS with the opportunity to provide a statement concerning research needs. Our priorities will be integrated with inputs from other organizations and will form the basis for the deliberations that will develop the 1990 update of the research initiatives. I have contacted the chairmen of subject matter committees and requested suggestions for modifications in the Research Goals Statement that was prepared in 1985 by a committee chaired by Dr. Doug Maxwell. The response was excellent. The Long-Range Planning Committee will integrate the committee suggestions into the Research Goals Statement, and this will be the basis of our contribution to ESCOP.

Publications. The publications program continues to be one of the key activities of our Society. There are several reasons why publications are vital to the health of the APS. Among the most important are that our journals provide an avenue for our members to publish the results of their research, and they project an image of plant pathology to our scientist colleagues and to our constituency. In addition, APS Press Publications serves the membership by making available the information needed for teaching, research, and extension. Although publications provide an essential service to the membership, of equal importance is the fact that, through library subscriptions to our journals and sale of APS Publications, they contribute substantially to the income of the Society.

Phytopathology News is the one publication that is received by the entire membership and provides the primary mechanism for communication within the Society. The APS Council is aware of the importance of keeping members informed about the many issues that impact on our profession and our Society. At the suggestion of the editor, Dr. Larry Moore, we have established a Council's Column in the *News*. I think this is an excellent idea and anticipate that the column will become a regular feature.

Our most recent publication venture, *Molecular Plant-Microbe Interactions*, has been more successful than anticipated in some areas and less in others. Individual subscriptions are high and library subscriptions are increasing. Unfortunately the number of subscriptions has not met expectations, which has necessitated shifting to a bi-monthly schedule. As I have indicated many times, I believe that the success of MPMI is important for the future of our Society. I urge everyone to support this new journal and especially to submit your best research papers so we can resume monthly publication in the near future.

APS Foundation. The Foundation has been in existence for 2

years, and much has been accomplished in this relatively short time. At this meeting we will consider a constitutional amendment that will incorporate the Foundation. I fully support this action because it will facilitate attracting substantial gifts. There is great potential for the Foundation to serve plant pathology, and I urge everyone to make a financial contribution to this worthy endeavor of our Society. If you have not had an opportunity to read the excellent article about the Foundation in the October *Phytopathology News*, I encourage you to do so.

Membership Survey. A significant activity during the past year was the membership survey. On behalf of the Society, I thank Dr. Jacqueline Fletcher and her committee for the excellent job they did in preparing the questionnaire. This was the first full membership survey ever done and the response has been gratifying. More than 50% of the members returned the survey, which is exceptionally high. There were 500–800 responses to each of the six write-in questions. This is strong testimony regarding the health of APS when such a large number of members are sufficiently interested in Society welfare to take the time and effort to express their views. It will take some time to assimilate all of this information, but I anticipate it will provide valuable insights into how members view the governance of APS and useful suggestions for future programs and activities.

Division Meetings. I am pleased that it was possible for me to attend meetings of all the Divisions, and I sincerely appreciate the warm hospitality I received. I am convinced that all of the Divisions are strong and active and that the divisional meetings effectively complement our national meetings. They provide an opportunity to exchange information in a relaxed atmosphere and often serve as the initial introduction of graduate students to a scientific meeting. I was very favorably impressed by the quality of the papers presented in the student competition.

Expression of Thanks. First, I wish to express my gratitude for being given the opportunity to serve as President of the APS. I consider this a distinct privilege, and it has been an enjoyable and rewarding experience. I particularly appreciate the excellent cooperation I have received. Whenever I asked anyone to represent the Society or to serve in some capacity, the response was always positive and enthusiastic. I have also been highly impressed by the sincerity and dedication of APS Council members. In our deliberations, it is clear that the Council members are serious about their responsibilities and base their decision on what they consider to be the best interest of the membership and the Society.

In addition to the active participation and support by the members, our Society is strong and successful because of the highly competent and professional headquarters staff. Statistics on efficiency support the conclusion that we are among the best managed of all the scientific societies. I wish to express my personal thanks to all the staff who have assisted me and made my job much easier. Particularly I wish to thank our Executive Vice-President, Raymond Tarleton. Not only has he been of invaluable help to me, but his management skills and sound judgment provide the foundation for the excellent support provided to the Society by headquarters.

In view of the active participation by the members, our financial health, and the sound management provided by headquarters, I am very optimistic about the future of The American Phytopathological Society.—*A. R. Weinhold*

Report of the Treasurer. Total assets of the society, including our reserve funds, were \$1,456,104 as of June 30, 1988. This compares with a total of \$1,400,518 on June 30, 1987. Membership equity has dropped from \$365,884 to \$359,757 in the past 12 mo.

While not an ideal year, FY'88 was relatively good when one considers the substantial investment that has been made in *MPMI*

and the expected losses occurring in the first several years of its publication. The production schedule was reduced midyear to match the rate of manuscript submissions, and this action substantially reduced the out-of-pocket expenses. We anticipate that the journal will return to a monthly schedule in the future.

The budget income for FY'88 was \$1,869,188, and the budget expense was \$1,865,610. The actual performance was slightly better, providing an operating surplus of \$5,946 before allocation to necessary reserves. APS Press continues to provide a significant income to the society and actually exceeded its income budget for the past year.

Increased pressure from departments to partially offset the cost of supporting APS editors and other officers has been recognized by the Council, and current budgets reflect this adjustment. Naturally, these adjustments are on the expense side and increase our cost of doing business. We suspect that similar changes are taking place in other societies that depend on volunteer time.

Total income and expenses by operating function for fiscal 1988 were proportionally as follows:

Income (%)	
Membership dues	16.3
Library subscriptions	29.4
APS Press	22.9
Reprints and page charges	16.4
Annual meeting	9.3
Advertising	2.6
Interest and dividends	1.2
Other	1.9
Expenses (%)	
Member services (including <i>Phytopathology News</i>)	10.5
APS Press	17.8
<i>Phytopathology</i>	19.1
<i>Plant Disease</i>	15.2
<i>MPMI</i>	3.6
Annual meeting (excluding overhead)	7.8
Administration	25.4
Reserve allocations	0.6

This is the last year of my two-term (6-yr) appointment by APS Council as treasurer. In that period, we had several years of substantial surpluses, and now we are seeing some years of small surpluses or small deficits. These latter years reflect a changing economic climate for scientific societies that depend heavily on volunteers. Universities as well as industry are asking for time accountability of their staffs. The result is reduced volunteer time and services to society members or increased time spent by staff. APS has taken the latter course. We have a skilled staff and modern equipment. This is the result of the partnership (now in its 22nd year) with the American Association of Cereal Chemists. Costs are shared with the AACC, thus providing APS with an operating base in excess of our own financial ability.

The society is financially healthy. Operating reserves as of June 30, 1988, were \$251,450. Not as large as we might like, but far above previous years. Your Financial Advisory Committee constantly monitors our activities and alerts the APS Council to potential problems. I want to thank current and past members of the Committee and the headquarters staff for their constant support and cooperation. A special note of thanks to members of the society who have shared their concerns, their advice, and their support over the past 6 yr.—*H. Ronald Cameron*

**Report
of the
Auditor**

We have examined the balance sheet of The American Phytopathological Society (a nonprofit corporation) as of June 30, 1988 and 1987, and the related statements of income and expenses and membership equity and changes in financial position 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, 1988 and 1987, 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, 1988 and 1987**

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.

Notes Referred to on Financial Statements

1) Accounts Receivable. An allowance for doubtful accounts in the amount of \$4,000 was deducted from receivables at June 30, 1987. This allowance has been eliminated. Commencing with the current year, receivables will be deducted as they are determined to be uncollectible.

2) Prepaid Expenses. Prepaid expenses represent advance payments for services and supplies which will benefit subsequent years. The amounts shown represent:

	June 30	
	1988	1987
Annual meeting	\$22,859	\$46,769
Books in press (net of contributions received which offset a portion of the publishing costs)	(17,436)	(1,827)
Dues and promotion	9,565	...
Supplies and service contracts	1,715	1,626
Pre-publication costs - new journal	61,188	13,164
Unexpired insurance and other	21,968	9,806
	<u>\$99,859</u>	<u>\$69,538</u>

3) 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	
	1988	1987
\$2,000 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 Electronic Corp. at June 30, 1988 and 5 common shares		

Hughes Electric Corp. at June 30, 1987 (above two received as dividends on General Motors shares)	10,662	10,516
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>133,496</u>
Approximate fair market value at June 30, 1988	<u>\$133,723</u>	<u>\$131,085</u>

4) Land, Building, and Equipment. Land, building, and equipment are included at one-half the total costs of these assets. The American Association of Cereal Chemists, Inc., shares equally in the cost of the property and shares headquarters space with the Society.

Summary of land, building, and equipment:

	June 30	
	1988	1987
Land	\$ 27,047	\$ 27,047
Building and improvements	209,519	209,519
Parking lot	10,075	10,075
Equipment	240,333	283,094
	<u>\$486,974</u>	<u>\$529,735</u>
Less - Accumulated depreciation	<u>272,297</u>	<u>277,751</u>
	<u>\$214,677</u>	<u>\$251,984</u>

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

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

The account payable to AACC in the amounts of \$35,176 and \$34,168 at June 30, 1988 and 1987, respectively, represent unpaid shared expenses.

6) 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 non-key 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 Society has vested the maximum deductible contribution in the plan. The

actuary has advised that the credit balance in the funding standard account can be used to reduce future contributions. The liability recorded represents the Society's estimate of the current year's plan contribution, accrued to date, based on a contribution of the minimum allowed amount, 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.

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

	June 30	
	1988	1987
Membership dues	\$185,203	\$179,466
Subscriptions - PHYTOPATHOLOGY	161,154	158,651
PLANT DISEASE	123,071	107,774
MPMI	36,483	...
Annual meeting	9,337	76,331
Annual reviews	140	1,560
Books and other	35,919	17,504
	<u>\$551,307</u>	<u>\$541,286</u>

8) 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 costs 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 costs which will be paid by the employer will be shared by the two societies. Claims paid during the current year totaled \$14,000.

Current Restricted Funds. The Society maintains seven (7) funds which are restricted by the donor, grantor or others 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: Sams 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

Annual Financial Statement of The American Phytopathological Society
Balance Sheet—June 30, 1988 and 1987

	Current Operating Fund	Restricted (Schedule Attached)	Total All Funds June 30	
			1988	1987
Assets				
Current Assets:				
Cash—checking	\$ 813	\$...	\$ 813	\$ 10,805
savings	364,916	243,882	608,798	550,782
Accounts receivable, (Note 1)	150,498	...	150,498	156,823
Inventories	247,816	...	247,816	225,890
Prepaid expenses, (Note 2)	99,859	...	99,859	69,538
Marketable securities (Note 3)	10,662	122,980	133,642	133,496
	<u>\$874,564</u>	<u>\$366,862</u>	<u>\$1,241,426</u>	<u>\$1,147,334</u>
Land, Building and Equipment (at cost) less accumulated depreciation (Note 4)				
	214,677	...	214,677	251,984
	<u>\$1,089,241</u>	<u>\$366,862</u>	<u>\$1,456,103</u>	<u>\$1,399,318</u>
Liabilities and Membership Equity				
Current Liabilities:				
Current maturity of note payable—bank	\$...	\$...	\$...	\$ 10,350
Accounts payable	66,944	...	66,944	59,627
Due to American Association of Cereal Chemists, Inc. (Note 5)	35,176	...	35,176	34,168
Accrued payroll	26,509	...	26,509	17,264
Accrued pension (Note 6)	37,000	...	37,000	34,860
Property taxes payable	12,547	...	12,547	12,625
Deferred revenue (Note 7)	551,307	...	551,307	541,286
	<u>\$729,483</u>	<u>\$...</u>	<u>\$ 729,483</u>	<u>\$ 710,180</u>
Notes Payable (Note 4)	...	...	...	1,725
Contingent Liability Employee benefits (Note 7)	...	...	...	...
Membership Equity	359,758	366,862	726,620	687,413
	<u>\$1,089,241</u>	<u>\$366,862</u>	<u>\$1,456,103</u>	<u>\$1,399,318</u>

(See accompanying notes and accountant's report.)

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 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.

**Statement of Current Funds Income and Expenses and Membership Equity
for the Years Ended June 30, 1988 and 1987**

	Current Operating Fund	Restricted (Schedule Attached)	Total All Funds June 30	
			1988	1987
Income:				
Membership dues	\$ 323,305	...	\$ 323,305	\$ 289,046
Subscriptions	560,212	...	560,212	481,132
Reprints	74,298	...	74,298	69,554
Abstracts	32,475	...	32,475	...
Page charges	165,802	...	165,802	188,612
Back issues	23,935	...	23,935	18,569
Books	435,331	...	435,331	348,617
Color charges	15,903	...	15,903	...
Annual reviews	14,835	...	14,835	13,229
Annual meeting	176,632	...	176,632	145,781
Advertising	50,362	...	50,362	45,297
Other	7,781	...	7,781	45,863
Total operating income	\$1,880,871	\$...	\$1,880,871	\$1,645,700
Contributions received	...	11,614	11,614	18,159
Investment income	23,047	22,463	45,510	39,737
Total income	\$1,903,918	\$ 34,077	\$1,937,995	\$1,703,596
Expenses				
Member services	\$ 170,439	...	\$ 170,439	\$ 146,414
PHYTOPATHOLOGY	364,410	...	364,410	329,550
PHYTOPATHOLOGY NEWS	30,552	...	30,552	21,886
PLANT DISEASE	289,612	...	289,612	292,189
MPMI	67,831	...	67,831	...
Books	340,654	...	340,654	274,586
Annual meeting	148,459	...	148,459	146,605
Building operations and depreciation	52,173	...	52,173	58,391
Awards	...	817	817	922
General administration	433,841	...	433,841	404,116
Total expenses	\$1,897,971	\$ 817	\$1,898,788	\$1,674,659
Excess of income over expenses	5,947	33,260	39,207	28,937
Membership Equity, Beginning of year	365,881	321,532	687,413	658,476
Fund Transfers (See schedule of restricted funds)				
To restricted funds	(12,070)	12,070	...	...
Membership Equity, End of year	\$ 359,758	\$366,862	\$ 726,620	\$ 687,413

(See accompanying notes and accountant's report.)

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 a 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.

Schedule of Restricted Funds for the Year Ended June 30, 1988

	Balance June 30, 1987	Investment Income	Contributions Received	Transfers from Operating Fund	Awards Presented	Balance June 30, 1988
Ruth Allen Fund	\$ 12,200	\$ 1,160	\$...	\$...	\$ 817	\$ 12,543
Lee M. Hutchins Award Fund	20,626	1,808	...	...	...	22,434
Building Maintenance Reserve Fund	21,455	1,484	...	5,000	...	27,939
Capital Improvement Fund	4,555	409	...	7,070	...	12,034
Auto Replacement Fund	4,210	276	...	...	...	4,486
APS Foundation Fund	27,701	1,463	11,614	...	...	40,778
Operating Reserve Fund**	230,785	15,863	...	...	...	246,648
	<u>\$321,532</u>	<u>\$22,463</u>	<u>\$11,614</u>	<u>\$12,070</u>	<u>\$817</u>	<u>\$366,862</u>

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

(See accompanying notes and accountant's report.)

REPORT OF THE APS FOUNDATION

The Board of Directors of the Foundation met March 11-18, 1988, and on November 13 and 15, 1988, to conduct the ongoing business of the Foundation. Two awards were approved under the "Genesis" program: one to Gail L. Schumann, Department of Plant Pathology, University of Massachusetts, in the amount of \$1,500 to enhance the knowledge of undergraduate students about the significance of plant diseases to solving world food production problems, and the other to Forrest W. Nutter, Department of Plant Pathology, University of Georgia, in the amount of \$1,500 to enhance the teaching of plant pathology to undergraduate students. Three awards programs were approved for 1989: one for unique and creative projects that will enhance graduate study or enrich the professional experience of graduate students; another for projects or activities that will enhance international efforts in plant pathology, and another to continue the Foundation's Genesis program to encourage creative thought and the early development of innovations to the science of plant pathology and its application.

In other actions, the Board of Directors recommended to Council that the Foundation incorporate so that it might hold title to "property" contributed by donors. Council approved this recommendation at its mid-term meeting. Articles of incorporation were drafted, reviewed, and approved. Bylaws were drafted for review. Because incorporation of the Foundation requires a change in the process of electing members of the Board of Directors, a constitutional amendment was presented to and approved by APS members during the San Diego meetings.

Changes in the membership of the Board of Directors approved by Council are: the appointment of Edgar L. Kendrick to a regular 5-yr term, replacing Roy A. Young; the appointment of Glenn S. Pound to a 1-yr interim term to replace Frank L. Howard; and the appointment of John L. Lockwood to a 1-yr interim term to replace David W. French, who resigned to accept the office of APS treasurer.

The first annual giving campaign was highly successful with contributions totalling almost \$35,000. Because these contributions were made by 5% of the members of APS, a second annual giving campaign was organized by Bill Tweedy, chairman of the Annual Giving Program, not only to encourage continued contributions

by those who have already made donations, but especially to cause the 95% of members who have not contributed to make donations.

Ralph J. Grun was appointed to the office of Treasurer.—*James F. Tammen*

REPORT OF THE OFFICE OF INTERNATIONAL PROGRAMS

OIP Advisory Board and committee chairmen met May 13 at the AAAS headquarters in Washington, DC, and again in conjunction with the annual APS meeting. There were also individual committee meetings, an open forum, an office report at the business meeting, and a report to the Council during the annual meeting.

Awards. The first award of the OIP Outstanding International Plant Pathologist was presented to Dr. Luigi Chiarappa at the business meeting. Guidelines for the selection of recipients of this award will be submitted to the Council at the midyear meeting.

OIP Advisory Board Appointments. Lawrence Apple and David Thurston's terms expired in 1988, and they were reappointed by the Council to 3-yr terms on the OIP Advisory Board.

Manual of Operation. A draft was provided for the Council to review at their midyear meeting. At the annual meeting, the Council made several suggestions. A revised manual will be submitted for possible approval at the next midyear meeting.

Directors' Activities. An invitational paper on OIP was presented at the ICPP at Kyoto, Japan. While attending the national plant pathology society (ASCOLF1) meeting at Pasto, Colombia, last June, Delp discussed OIP activities. Delp is requested to present a paper on "Collaboration Between Agricultural Scientists of North America and Bangladesh" at a AAAS Symposium in Dhaka, Bangladesh, next March. The symposium is on Effective Management of Science and the Development and Transfer of Technology. AAAS will sponsor Delp.

Regional Contacts. Regional contacts have received the information that goes to the Board and Committee chairmen. They will be sent a special charge and information letters.

The International Activities Committee (a standing committee) functions in close relationship with OIP with a focus on policy

development and meeting program planning. The IAC chairman and OIP director serve as ex-officio members on the other body. Recommendations for merging with OIP will be presented to the Council at the midyear meeting.

STEP grants for foreign graduate student attendance of APS annual meetings are administered through the OIP by Lawrence Datnoff.

International Data Base from Fort Detrick could serve as a source of collaborators and projects. Matt Royer would like feedback on his feature article.

Budget. APS Council authorized \$2000 for 1988-1989 to be used for operating expenses.

Committee activities. Communication: Tom Van der Zwet will attempt to have a monthly note or article in *Phytopathology News* and to establish a special column with an OIP designator. The *Plant Disease* Editorial by Dave Thurston on education for work in developing countries was published in October.

Laboratory Assistance: Lawrence Datnoff provided a written report on his contacts with all department heads, the USDA, and several companies and foundations to locate donated equipment and means of storage and transportation to Third World laboratories. He will also contact the Instrument Society of America in Raleigh, NC, to see if we can benefit by their experience. Contributions are not coming in.

Library Assistance: Hugh Sisler reported that 18 libraries in Africa now receive APS journals through the AAAS program. Headquarters sends journals unwanted by members in a bulk mailing to AAAS where they are shipped to Africa. The Potomac Division contributed \$300 for use by the Library Assistance Committee. It was suggested that other divisions be encouraged to make similar contributions. Roy Wilcoxson has administered the APS Foundation library assistance awards of \$500 worth of APS publications each to libraries in Bolivia, China, and Uganda. FAO has provided OIP with \$6,000 for transportation of library and laboratory assistance. Delp will implement Ray Tarleton's suggestion that the following could be added to member invoices: "Make my journals available to the Office of International Programs for distribution to a Third World Library (yes), (no)."

Professional Development: Ethel Dutky described plans for workshops and training programs at APS annual meetings and for developing countries. Possible subjects are diagnostic techniques, mycology, and appropriate and safe pesticide use. A brochure containing training programs currently available will be developed. The San Diego discussion session on International Employment sponsored by the OIP Placement Committee helps accomplish objectives of this committee. Dutky will develop a list of recent graduates who have returned to developing countries and need collaborative activities.

Placement and Registry: Matt Royer reported on the status of the updating and use of the list of APS volunteers for Third World service. The current list will be offered to selected institutions at a handling cost of \$10. Options for updating the list will be considered. O'Neill arranged for a discussion session in San Diego titled Opportunities for Employment in International Agriculture. It preceded the OIP Open Forum. Rather than trying to compile a world directory of plant pathologists, efforts will be focused on coordinating and compiling a directory of directories. OIP should help develop directories where they are inadequate, such as Sub-Saharan Africa. Florence Chanakira-Nyahwa of Zimbabwe is working on one.

Projects: John Niederhauser, Paul Teng, Amy Rossman, Ben Waite, and others are working on several projects that will be presented to potential sponsors. The only project supported financially to date is for library/laboratory assistance.

Liaison: Lawrence Apple and Dave Thurston co-chair this intelligence gathering committee with numerous subcommittees. President Al Weinhold is sending an introductory cover letter with the OIP information sheet to organizations suggested by OIP. Regional contacts on all continents have volunteered to help.

Liaison Subcommittees: Academic Institutions subcommittee—Lawrence Apple suggests that much of what OIP does will have to come from academic institutions and is selecting a plant

pathologist who will be a focal point at each institution.

Foreign Government Aid Agencies subcommittee—Luigi Chiarappa and Apple recommend UNDP as a prime contact.

Foundations and Other Institutions subcommittee—This subcommittee has been expanded by including the former Miscellaneous Institutions subcommittee.

Individuals subcommittee—Paul Teng's suggestions on a Person-to-Person educational program is being developed as a project.

Industry subcommittee—Madan Joshi is looking for committee members with interests broader than the chemical industry. A letter and charge to industry representatives will be sent periodically.

International Agricultural Research Centers subcommittee—Ben Waite reports that at least five centers want to cooperate with OIP and would like to have our list of plant pathologist willing to serve internationally. Another idea from Waite is to have posters or booths for the centers at the 1989 Richmond meeting. A special committee should be created to develop this project.

Private Volunteer Organizations (PVO) subcommittee—Bill Brown volunteered as chairman at the annual meeting.

Societies subcommittee—Thor Kommedahl suggests that the APS president's introduction letter and OIP description sheet be sent to selected societies.

U.S. Government Institutions subcommittee—Bill Dowler will continue as chairman, and is looking for members and goals.—*Charles J. Delp, director*

REPORTS OF SOCIETY PUBLICATIONS

Editor-in-Chief of APS Press. The fourth year of APS Press was concluded at the 1988 annual meeting. Our goals are to: 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 Society. This report documents the fulfillment of each goal.

APS Press currently has 80 books in print. We produced seven new books and two slide sets during FY 87-88, and we expect to produce at least 12 books in each of the next two fiscal years. APS Press currently has contracts for 35 books that will be published as late as 1993. In FY 87-88 we produced an income of \$435,331 and expense (without overhead) of \$340,654, for a net contribution of \$94,677 (21.7% of income) to APS overhead and membership services. We sold 22,173 books, including 16,340 compendia, 806 symposia, 278 monographs, 144 classics, and 4,605 other books. We continue to market our products at well below the rates charged for comparable works from other publishers.

Two committees were transferred from APS General Policies Committees to APS Press Committees. The Committees for Phytopathological Classics and for Illustrations of Plant Pathogens and Diseases will continue to function as in the past, but membership and reporting are now coordinated by APS Press rather than the APS Committee on Committees.

APS Press conducted a direct mailing to APS members and other targeted audiences, with the intent to solicit new publication proposals. We established a stream-lined format for pricing our products. In an attempt to increase both domestic and overseas sales, APS Press is working with a consultant to identify credit worthy booksellers. Internal operating policies relating to copyrights, financial operating reserve, and special services available to authors, editors, and donors were revised. The Press embarked upon a 2-yr trial period for distributing videotapes relating to plant pathology. A survey of the APS membership indicated little current need or interest for APS Press to become an agent for distribution of computer software. We encourage members to directly advertise their products through other APS publications.

Drs. Michele Heath and Patrick Fenn were seated on the APS Press Board of Associate Editors. They fill the vacancies left by

Drs. R. James Cook and Carl Beckman. Continuing as Associate Editors are Drs. Ann Chase, Richard Frederiksen, Cedric Kuhn, Lawrence Madden, Arthur McCain, and Robert Stall.

The productivity of APS Press is highly dependent upon the superb skills, leadership, and dedication contributed by the APS scientists who serve as book authors and editors and as Associate Editors. We wish to also express our highest level of gratitude for the skillful and dedicated guidance and service provided by the administrative, editorial, and marketing staffs at APS Headquarters in St. Paul, MN. We extend our sincere appreciation to each participant and also to those who purchase and promote the sales of APS Press products. Thank you for your continuing support.—*Richard W. Smiley*

APS Press Committee for Phytopathological Classics. Procedures for operation as a committee of APS Press were reviewed during the APS annual meeting. Members reaffirmed the purpose of the Classics Series: to promote the translation and publication of classic works in plant pathology that have not previously been widely available in English. Work on the final revision of Classic No. 15, Dutch Elm Disease: The Original Papers, is nearing completion by F. W. Holmes. A proposal for Classic No. 16, based on the early work in disease physiology published in *Über einige Sclerotinien und Sclerotinienkrankheiten (Concerning Some Sclerotinias and Some Sclerotinia Diseases)* by H. A. DeBary, was considered and approved unanimously. C. L. Campbell will serve as editor. William Merrill, Jr., became chairman and H. Walker Kirby was elected vice-chairman.—*C. Lee Campbell*

APS Press Committee for Illustrations Plant Pathogens and Diseases: The size and function of the committee were discussed at the APS annual meeting. As few as six members with specific responsibilities was proposed. Concern was expressed about the cost and quality of the two slide sets produced during 1988. Member satisfaction will be determined by contacting those who purchased the sets. Additional sets under consideration include diseases of foliage plants, abiotic diseases of palms, and canker diseases of forest trees. Discussions on laser disks led to a determination that this technology and the level of interest among APS members will be investigated. A laser disk demonstration will be presented at the 1989 annual meeting. Development of an APS archival disk is being considered. Further consideration of clip art for plant pathology was deferred until such time that higher quality printers become accessible to most APS members. A. R. Chase and E. A. Brown continue as chairman and vice-chairman, respectively.—*A. R. Chase*

Editor of Biological and Cultural Tests for Control of Plant Diseases. Volume 3 of the journal was published in 1988. There were 82 test results accepted for publication, and they were distributed into the following crop categories: Fruits and Nuts—1, Vegetables—27, Corn and Sorghum—4, Soybeans—4, Small Grains—18, Field Crops—16, Turfgrass—4, Ornamentals and Trees—7, and Citrus and Tropical—1. The single page reports were submitted in camera-ready form to facilitate publication. As previously, the journal also contained indexes of materials under trial and sources of materials and a general index.

The editorial board was comprised of Associate Editors Charles W. Averre and Wayne F. Wilcox and Section Editors Margery Daughtrey, H. Walker Kirby, Robert W. Miller, Howard D. Ohr, Jack Riesselman, Walter R. Stevenson, John E. Watkins, David S. Wysong, and Lawrence D. Young. These individuals, in addition to the contributing authors, help to make Volume 3 a success. Their efforts are appreciated.

Dr. Wayne F. Wilcox has been selected as the new editor-in-chief, after serving the journal for 3 yr as a senior editor. Beginning their editorial terms are Patrick M. Phipps, William G. Willis, and L. Patrick Hart.—*J. R. Hartman*

Report of the Editor of Molecular Plant-Microbe Interactions. The aim of *MPMI* is to publish leading research on the molecular genetics and molecular biology of pathological, symbiotic, and associative interactions of microbes with plants. The form of this

new journal, including a decision to include papers on non-pathogenic interactions, has its origin in the discussions, at the 1986 APS Annual Meeting, of an APS ad hoc new journals committee appointed by Luis Sequeira. The strong and continuing support of the APS Council is a critical factor in the success of *MPMI* to date. Sponsorship of *MPMI* by APS Press provides APS members, in conjunction with *Plant Disease* and *Phytopathology*, with a full spectrum of research publications in plant pathology. *MPMI* also is the official journal of the International Plant-Microbe Interaction Group, whose members have contributed many of the papers that have been published in *MPMI*, including those on the symbiotic interactions of bacteria and plants.

MPMI serves the APS as a vehicle for publications in those areas of fundamental research that are most directly related to the practical problems of plant pathology. Thus, the term "microbe" is considered broadly to include viroids, viruses, procaryotes, fungi, and nematodes. Nucleic acids and genes are major topics of *MPMI* papers. However, the intended, and experienced, scope of the journal includes a variety of non-genetic, mechanistically-oriented, biochemical, and biophysical research on microbe-plant interactions.

New information is developing rapidly in the research areas of *MPMI*. Thus, rapid publication is essential if authors are to consider *MPMI* when they are preparing manuscripts. The mechanics of the journal are designed for expeditious processing of manuscripts. Authors and *MPMI* editors communicate electronically via FAX, telex, and telephone. When necessary, express mail is used. For papers ultimately accepted by *MPMI*, the time from submission to return of the manuscript to the corresponding author for revision has been just 24 working days. The average time from submission to acceptance has been 49 working days, including time for domestic or overseas mailing and revision by the author(s). Authors are encouraged to forward their revised manuscripts on floppy disk or in a form suitable for optical character reading. In those cases in which the manuscript was rejected, the average time under consideration was only 20 working days.

About one hundred manuscripts had been submitted for publication in *MPMI* during the first year. Manuscripts on interactions of plants with pathogenic bacteria and with fungi each accounted for 30% of the submissions. Papers on virus-plant interactions were 16% of the submissions, and the remaining almost one-fourth were on the symbiotic interactions of bacteria and plants. About half of the submitted manuscripts were accepted for publication. The average number of manuscripts received per month in the first half of 1988 was six. In the period July through October 1988, *MPMI* had an average of nine submissions per month. Commencing with the fifth issue, *MPMI* has become a bi-monthly journal. The subscribers to Volume 1 will receive the full twelve issues, four monthly and eight bi-monthly. The editorial and publication staff remains committed to the rapid processing of manuscripts so that we achieve the most timely publication possible in the bi-monthly format. Bi-monthly issues will be mailed in the first month of each two-month interval in 1989.

Personal subscriptions to *MPMI* exceeded the target of 500. Of the approximately 600 current individual subscribers, 420 are members of the APS. At approximately 200, library and other institutional subscriptions are substantially below the target of 500. Efforts are being made to increase the number of institutional subscriptions.

The APS ad hoc new journals committee and the Senior Editors considered that an international orientation would contribute substantially to the success of *MPMI*. Seven of the initially appointed 24 Associate Editors are in Europe. Of the 73 manuscripts received in 1988 through October of 1988, 25 have been from research groups not in North America. Most of the foreign submissions were from the United Kingdom, The Netherlands, Australia, France, and Israel. More than half of the library subscriptions and about one-fourth of the personal subscriptions are from outside of North America. Thus, *MPMI* seems to have attained international recognition.

MPMI has the attention of plant pathologists, plant molecular biologists, and others interested in plants and the molecular bases of their pathogenic and symbiotic interactions with microbes. The journal offers authors in this area the opportunity to reach their intended audience quickly and effectively.

Editor-in-Chief of *Phytopathology*. During the period July 1, 1987, through June 30, 1988, *Phytopathology* published 279 research papers with an average length of 5.3 pages. In addition, we published 2 symposia (33 pages), 3 letters to the editor (8 pages), 11 obituaries (11 pages), and 911 abstracts (129 pages).

Of the research articles published, 78 (28%, which represents a 10% increase from the past fiscal year) were submitted by foreign contributors from Argentina (7), Bermuda (1), Brazil (2), Canada (12), China (2), Colombia (1), Costa Rica (1), France (2), India (3), Indonesia (1), Israel (14), Italy (2), Japan (4), Mexico (2), Morocco (1), Netherlands (6), New Zealand (1), S. Africa (5), S. Australia (2), Switzerland (3), Taiwan (2), Thailand (1), U. K. (1), Venezuela (1), and Virgin Isles (1).

	Fiscal Year					
	82-83	83-84	84-85	85-86	86-87	87-88
Mss. published						
Articles	358	307	273	241	299	279
Abstracts	1,713	183	1,030	1,082	942	911
Total pages	1,914	1,514	1,310	1,334	1,760	1,744
Page length (avg. research papers)	4.4	4.5	3.8	4.9	5.0	5.3
Mss. submitted						
Total	400	407	408	438	420	380
Acceptance rate	78%	75%	70%	78%	69%	65%
Publication time (days)	168	129	156	198	237	219

We published a total of 1,744 pages during the fiscal year. Of these, page charges were assessed on 1,491 pages. The remaining pages included 3 pages for "Acknowledgment of Reviewers," 3 pages for the "Author's Guide for Manuscript Preparation," 35 pages for the annual report, 11 pages for Awards, 24 pages for the listing of staff and officers of APS and the editorial board of *Phytopathology*, 28 pages for the tables of contents, 22 pages for the index, 1 page of errata, and 2 pages for the Publisher's Statement.

During the fiscal year, 380 manuscripts were submitted for publication as research articles, symposia, or letters to the editor, compared to the 5-yr mean of 415. As of October 18, 1988, 244 manuscripts had been accepted or tentatively accepted for publication, 130 had been rejected, 4 were in review, and 2 were withdrawn. The acceptance rate of 65% is 9% below the past 5-yr mean but only 4% below the previous fiscal year. Data for recent fiscal years are shown for comparison.

Of the 279 research articles published in *Phytopathology*, 179 (64%) were submitted in a form for electronic processing. The average time between acceptance of an article and its appearance in print was 206 days for electronically processed manuscripts, compared to 242 days for manuscripts submitted in conventional form. The average time between acceptance and publication (issue date) for all papers published in the journal during the fiscal year was 219 days compared to the past 5-yr mean of 178 days.

The handling of a submitted manuscript at the editorial office and by the editor-in-chief averaged 9 days. It required an average of 21 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 25 days. Authors took an average of 73 days to revise their manuscripts and return them to the senior editor. Final editing by senior editors before acceptance took an average of 10 days. Total time from submission to acceptance averaged 138 days with authors accounting on average for 53% of the total time.

The editorial board currently consists of 30 associate editors, 11 of whom will retire at the end of 1988. They are William Bockus, Lee Campbell, David Coplin, Bruce Fortnum, Steve Leath, Steven Slack, Turner Sutton, Sherman Thomson, Charles Wilson, Carol Windels, and Keith Yoder. Our Society owes these people and

those 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 the January 1989 issue of *Phytopathology* for their assistance in the editorial process. A special thank you is extended to the current senior editors, Allan Dodds, James Groth, Laurence Madden, Steven Pueppke, and Earl Ruppel for their commitment and competent editing of manuscripts for *Phytopathology*. Finally, I would like to thank Vera Baker and other members of the headquarters staff for their professional effort in publication of the journal.—
D. M. Benson

Editor-in-Chief of *Plant Disease*. Material published from July 1987 through June 1988, compared with the two previous years is as follows:

Sections	Itemization of Sections		
	Printed Pages (no.)		
	85-86	86-87	87-88
Editorial	12	12	12
Editorial Board Page	12	12	12
Features	97	93	82
Research	820	814	821
New Diseases and Epidemics	77	44	44
Editorials	14	13	12
Focus	12	12	12
Author Instructions	1	1	2
Table of Contents	26	24	24
Disease Notes	14	13	12
Masthead	12	12	12
Letters	0	1	5
Index	11	11	10
Advertising (paid & house)	44	54	52
Sustaining Associates/Ad Index	12	12	12
Special Report	17	40	55.5
Industry News	0	0	4
Acknowledgement of Reviewers	2	2	2
Product and Equipment News	3	2	1
Total numbered pages	1,084	1,136	1,152

Fifty-six foreign contributors of 255 (22%) published research and new diseases articles. They were submitted from Brazil (1), Canada (10), China (1), Colombia (4), Ecuador (1), Egypt (1), India (5), Israel (4), Italy (2), Korea (2), Mexico (1), Morocco (2), New Zealand (2), Nigeria (1), Pakistan (1), Philippines (2), Peru (1), South Africa (10), Spain (1), Tanzania (1), Western Australia (2), and the United Kingdom (1)

Manuscript acceptance rates were 67% for research articles and 68% for Notes and New Diseases and Epidemics articles.

This represents my sixth annual report to the APS Council on the status of *Plant Disease*. Serving as Editor-in-Chief of *Plant Disease* has been an honor and pleasure even though it has been tiring at times. One of my major goals has been to serve as many interest groups of the Society as possible and give the membership ample opportunity for participation. Fortunately we have been able to maintain a predictable format throughout the two 3-yr terms.

Council has made a wise decision in selecting Dr. Wayne Sinclair as the new editor-in-chief. Dr. Sinclair has served the journal for 3 yr as a senior editor and has a good grasp of the philosophy that drives that publication. It has been a pleasure working with him during the transition period between the two terms.

During my two terms, I have enjoyed the full support of Council and the APS headquarters staff. This support added considerably to the pleasurable nature of the experience and to the efficiency of the total operation. A very small percentage of the membership has the opportunity to work within the organization and be a team member with those who make it function. I am grateful for the opportunity. Thank you.—*C. W. Horne*

Editor of *Phytopathology News*. Laurence D. Moore was appointed editor, replacing Chuck Powell who served as editor

since 1985. In the period of November 1987 to October 1988 *Phytopathology News* averaged 13.6 pages per issue. Beginning January 1988, several new features were added, including the Editor's Corner, Staff Profiles, a Letter to the Editor section, and a Council Column. Twenty-one books were reviewed between November 1987 and October 1988.

The editorial committee was composed of Doug Maxwell (features), Carol Windels (division news and reports of meetings and workshops), Gary Moorman (people news), Lee Campbell (book reviews), and Chuck Powell (calendars and meeting announcements). Thirty-seven plant pathology departments have been designated *Phytopathology News* departmental editors. In addition, Sue Casey of the APS staff served as the editorial assistant assigned to *Phytopathology News*, with Vera Baker as a valuable liaison person as manager of journal publications for APS. Sue and Vera deserve a special thanks for all of their efforts this year as we doubled the size of the newsletter.—*Laurence D. Moore*

REPORTS OF REPRESENTATIVES

APS Representative to the American Institute of Biological Sciences. About 3,500 biologists from 15 scientific societies gathered August 13–19 on the campus of the University of California at Davis for the 39th annual AIBS meeting, with "Biological Diversity" as the theme. Assistant Secretary for External Affairs at the Smithsonian Institution, Dr. Thomas E. Lovejoy, presented the plenary address. Dr. Peter Raven, director of the Missouri Botanical Gardens, addressed the Association for Tropical Biology on "The Crisis in the Tropics: What Biologists Can Do About It."

Tropical biologist, Dr. Donald E. Stone, was presented the 1988 AIBS Distinguished Service Award. Dr. Stone's research has focused on the systematics of temperate and tropical plants, emphasizing particular mechanisms and evolutionary pathways.

John Patrick Jordan, administrator of the Cooperative State Research Service of USDA, is the president of AIBS. The new president-elect is Paul R. Ehrlich, Bing Professor of Population Studies at Stanford University. Dr. Laurence D. Moore, the APS representative to AIBS, has been elected to a second 2-yr term on the Board of Directors of AIBS.

In 1988 a new section on education was added to BioScience. Moreover, efforts have been made to expand the Biologists' Toolbox section of the journal. During 1988 several journal issues addressed specific themes including Conservation Biology, Hawaii's Unique Biology, and Landforms and Ecosystems.

The Public Relations Committee of AIBS is addressing issues of interest to all biologists such as biological diversity and the greenhouse effect/ozone depletion. All member societies recently received a survey from the Public Responsibility Committee. The Committee is concerned with the need of member societies for information concerning government activities.—*Laurence D. Moore*

APS Representative to the American National Standards Institute K62 Committee. As representative to the committee, I review the documents supplied by the committee chairman in regard to proposed standard common names of pesticides. I make various contacts with my colleagues if there are any questions concerning the approval of specific names for any of the fungicides, herbicides, insecticides, or nematocides that are brought before the American National Standards Institute.—*J. E. Elson*

APS Representative to the American Type Culture Collection. Reports from ATCC continue to be positive, indicating a healthy financial status and continued growth in numbers of cultures and strains shipped. There are many potential opportunities for growth and expansion, with considerable interest in the possible involvement in the program for mapping the human genome. Dr. Stevenson has asked the board to assist in developing titles for senior staff that would achieve equivalency with university

systems. We envision the possibility of an expanded research role for ATCC, including interaction with graduate students, and the titles would be helpful in conveying our status to university officials or others interested in research programs.—*W. M. Dowler*

APS Representative to the Biological Stain Commission. As stated in a previous report, the main function of the Biological Stain Commission is the testing and certification of dye batches used for biological applications. Another function is the publication of knowledge about dyes. Various books, as well as the journal, *Stain Technology*, are published by the Commission.

The Commission met June 9–10, 1988, in Washington, DC. Thirty people, representing the Commission, industry, and various scientific societies, were in attendance. The Scientific Session was composed of four 30-min presentations on a range of topics. Dr. Meade Pinsler presented research on the use of fluorescent stains, such as Calcufluor White and Euvetex 2B, for staining fungi and algae, in a clinical diagnostic laboratory. He felt that the use of these dyes in such a setting offered a quick and easy-to-use tool for the diagnosis of fungal infections in mammalian tissue. This was followed by a presentation by Dr. James Turner, who has been trying to develop a quantitative method to calibrate staining processes in a clinical setting. The aim of this research is to develop an understanding of how, in a clinical setting, dye baths change in quality and performance over time and with use. Such knowledge is imperative when diagnoses are based on staining reactions. The third presentation was by Dr. D. Wittekind of the Institute of Anatomy, University of Freiburg, Federal Republic of Germany, who gave an enlightened discourse on new results in the use of Romanowski-Giemsa Staining.

The scientific session closed with a report of the committee on standardization of immunoreagents. It was reported that it was imperative that an impartial organization, such as the Commission, become involved with the certification of immunoreagents, especially where such agents are used in a clinical diagnostic setting. A plan was then presented on how these immunoreagents could be certified for reactivity with "normal" tissue under standardized conditions. It was emphasized that certification of their diagnostic capability would not be attempted due to problems of liability. Twelve immunoreagents were indicated as in need of an immediate certification program. The matter was to be further discussed during the meeting of the board of trustees of the Commission.

During the general business meeting, it was reported that 125 dyes, representing 12,916 lb of dye, were certified in 1987. The status of manuscripts submitted to *Stain Technology* for 1987, as well as status of various other books in the process of revision, was also reported.

A president's forum was conducted that consisted of an open and informal discussion of topics of interest to those in attendance.—*Michael Wisniewski for H. Hoch*

APS Representative to CAST. CAST activities in 1988 have been dynamic and relevant to the national needs of agriculture. Dr. William W. Marion, executive vice-president, and the CAST staff have skillfully responded and executed many of the actions recommended by the Board of Directors at meetings on 23–25 February (Washington, DC) and by the Executive Committee on 4–5 August (Ames, IA). Marion maintained close liaison with policymakers in national agencies in Washington, DC, various state legislators, scientific societies, and individuals assimilating Task Force reports. Timely, survey, and factual information was provided to these contacts as requested or deemed appropriate. Two new Task Force reports were released. Report 113, "Effective use of water in irrigated agriculture" and Report 114, "Long-term viability of U.S. agriculture" both have been well-received and have recorded healthy sales thus far. Three additional Task Force reports expected to be released in 1988 or early 1989 include "Ecological impacts of federal conservation and crop land reduction programs," "Economic and health risks associated with mycotoxins," and "Application of risk assessment to agricultural and food issues." Work is progressing toward the future release of

six additional Task Force reports. Comments from CAST on "Contamination of food products by pathogenic organisms" and "Impacts of regulations on biotechnology" are also being prepared.

The CAST Board of Directors at its February meeting accepted a working draft of a strategic plan to guide CAST during the next decade. Adoption is expected at the February 1989 meeting. Action at the Board and Executive Committee meetings calls for continued efforts to operate within a balanced budget. Actions of importance to bring expenses in line included: No summer meetings of the full Board will be held in 1988 and 1989, only two issues of the Science of Food and Agriculture newsletter will be published in September and November 1988 (two issues will appear in July and September 1989), the annual report will be published in the winter issue of NewsCAST, one secretarial position on the CAST Staff was terminated, pay raises for the CAST staff will be somewhat less than the percentage mandated for Iowa State University staff, and cuts were made in several budget items including membership recruitment, office expenses, and publications.

The CAST Magazine Editorial Committee at a special meeting in March at Kansas City decided on a future course of action in reaching the high school science teachers and their students. First, budgetary restraints required a change in the number of issues of Science of Food and Agriculture and reduction in the circulation number. The Committee decided to discontinue publishing the magazine, which would be replaced by a newsletter to be issued in September and November 1988 and July and September 1989. Additional study is ongoing to find effective ways of communicating to high school students including: specific subjects within each science, laboratory exercises in a binder, contest, one issue in August containing a learning activity in each discipline, videotapes (one per member society), and others.

The resignations of three persons from the CAST headquarters staff has prompted the need for change, cooperative sharing of responsibilities, and a national search for replacements. These include: Gary Mulhall, vice-president for Development; Dr. Charles A. Black, executive chairman of the Board of Directors; and Mary Adams, editor of NewsCAST.

The APS Council's decision to become a full-member participant in CAST and the APS membership of more than 2,000 has qualified the society to have two representatives on the CAST Board of Directors. The present representative's term expires in February 1989 and it is recognized that continuity in the APS representation with at least a 1-yr overlap is advisable. To rectify the situation, Dr. Weinhold has asked the present representative to serve an additional 1 yr with a second representative to be appointed by Council.

Working within the framework of CAST, APS has an opportunity to express matters of vital concern to the Society and the health of U.S. agriculture. APS Committee Chairman and individual members are encouraged to provide subjects of concern that need the attention of Task Forces or Comments from CAST that will present them in the public interest.—*Kenneth D. Hickey*

APS Representative to the Commission on Life Sciences, NRC, NAS. During the past year I attended the 19th and 20th meetings of the Commission on Life Sciences (CLS) of the National Research Council. These meetings involved reports and decisions on a wide array of tasks by the Board on Biology (BB), Institute of Laboratory Animal Research (ILAR), Board on Environmental Studies and Toxicology (BEST), Board on Radiation Effects Research (BRER), and the Food and Nutrition Board (FNB). The boards and the Commission are actively involved in a fund-raising campaign that is strongly supported by Dr. Press. Important topics addressed during the past year include a biological control workshop, study on release of genetically modified organisms into the environment, biodiversity, stratospheric ozone and ultraviolet radiation, high school biology education, biotechnology, opportunities in forestry, public image and attitudes toward science, extremely low frequency radiation, diet and human health, use of animals in research, and "debt-for-nature" swaps.—*J. Barnes*

Representative to the International Society of Arboriculture.

The International Society of Arboriculture met in Vancouver, B.C., August 14–17, 1988. Plant pathological subject matter presentations included tree disorders and plant health care, branch failure, dogwood anthracnose, and tree energy systems. ISA will meet in St. Charles, IL, August 13–16, 1989.

ISA members wish not only to keep well informed themselves but to have available educational material for the public. Information folders on approved tree care practices are to be prepared for distribution through garden centers. Amenity tree and shrub diseases will be featured. Authors are encouraged to contact ISA.—*Dan Neely*

International Society for Plant Pathology Councilors. About 2,100 registrants representing 71 nations attended the 5th International Congress of Plant Pathology in Kyoto in August 1988. This may be the largest meeting of plant pathologists of all time. Japan had the greatest number of registrants with 1,058, and the United States had the second greatest number with 253. The United Kingdom, Federal Republic of Germany, and Australia had the third, fourth, and fifth greatest number of registrants with 91, 54, and 53, respectively.

The Congress was a tremendous success scientifically with more than 500 invited papers and another approximately 500 posters. Major emphasis was given to biological control, modern epidemiology, and molecular biology as well as plant diseases in the tropics and third-world countries. The next meeting will be in 1993 in Montreal, Quebec, Canada.

One action taken by the ISPP Council during the meeting was to accept as a member society, the Chinese Society of Plant Pathology located at Taipei. The Chinese Society of Plant Pathology located at Beijing was already a member of ISPP. ISPP now has 53 member countries.

New officers elected for 1988-1993 are: R. J. Cook, President; Johan Dekker (The Netherlands), Immediate Past President; B. J. Deverall (Australia), Vice President; R. I. Hamilton (Canada), Vice President; A. D. Coleno (France), Secretary General; and Thor Kommedahl, Treasurer. R. K. S. Wood and Arthur Kelman, the first and second presidents of ISPP, respectively, and very influential in its formative years, were awarded Honorary Memberships in ISPP.

APS Councilors completing their term with the Kyoto meeting are: J. A. Browning, R. J. Cook, J. L. Lockwood, and P. H. Williams. APS Councilors continuing for another 5-yr term are C. J. Delp, K. J. Leonard, R. E. Ford (Chairman), and R. W. Smiley. New APS Councilors to ISPP are J. Amador, W. E. Fry, B. J. Jacobsen, and Ta-Li Kuan.—*R. James Cook*

The ISCPP met in Washington, DC, May 16 and 17, 1988. APS attendees were A. K. Vidaver, A. R. Weinhold, D. E. Mathre, B. J. Jacobsen, and R. J. Tarleton. A highlight of the program was the Attorney's Roundtable; the topic was the Role of Scientific Societies in the Legislative Process. The discussion focused on the regulation of biotechnology. The panel, composed of Terry Medley, USDA-APHIS; Patricia Roberts, EPA; and Donald Beer and Robert Nicholas, both from law firms that are active in various aspects of regulation, presented their perspectives on the regulatory process and were candid in their response to questions. It was enlightening to gain greater insight into the current status of biotechnology regulation. It was disheartening, however, to realize the formidable task that faces the scientific community if we are to be fully informed of the scope and implications of existing statutes and effectively participate in the process to establish new and modify current regulations.

After the panel discussion, Dr. Dan Jones reviewed the status of the Agricultural Biotechnology Research Advisory Committee that has been established by the USDA Office of Agricultural Biotechnology.

The agenda included both informational and action items. Dave MacKenzie presented the Southern Research Program on the Construction and Validation of Biometeorological Models to Predict the Movement and Dispersal of Biotic Agents. We received

an update on the activities of the National Academy of Sciences' board on agriculture from Dr. Charles Benbrook and on EPA's pesticide testing guidelines from Dr. Allen Jennings. There was discussion with Jack Barnes, Bob Riley, and Dave MacKenzie, CSRS, on current educational programs in the area of crop management integration. There was a general view expressed that these are not adequate and that a new approach is needed.

Two position papers have been developed and were discussed. One is by Ann Vidaver on Specialty Chemicals of Limited Market Potential. It presents the rationale for legislation, such as the Orphan Drug Act, to promote development of limited use pesticides. The other paper, by Orvin Burnside, is on Pesticides in Ground Water. As part of the discussion, Dr. Earl Spurrier, National Agricultural Chemicals Association, presented a report on a recent workshop on Minor Crop/Use Registration. In the afternoon after the meeting, the position papers were discussed with staff members of three legislative committees.

In view of the recent withdrawal of the Entomological Society from the Consortium, a key agenda item was a discussion of the future of ISCPP. There was a strong consensus that now, probably more than ever, there is a need for the Consortium. It was decided to make an effort to revitalize ISCPP.

To help accomplish this, three current goals were identified. They are: 1) to promote the development of a new approach to the education and training of specialists in crop management and plant health; 2) to develop position papers in areas of mutual interest and concern and to make them available to lawmakers, regulatory agencies; and others with decision-making responsibilities; and 3) to increase the awareness of our respective memberships of regulatory activities and to work with other societies, such as AIBS and ASM, in helping provide the scientific basis for effectively responding to proposed regulations and modifying those we believe to be inappropriate.

It was also decided to work to expand the scope of the Consortium and to invite societies representing other areas, such as agronomy, horticulture, and vertebrate pests, to join our efforts to achieve the objectives and goals of ISCPP. I personally believe that there is an important role for the Consortium in representing the disciplines of plant protection and crop management. I hope the potential of ISCPP will be realized.—*A. R. Weinhold*

Representative to the U.S. National Committee for the International Union of Microbiological Societies. The USNC/IUMS has participated in planning major conferences and congresses, including the Bacteriology and Mycology Congress to be held in 1990 in Japan, the Virology Congress to be held in Germany in 1990, the First International Conference on the Release of Genetically Engineered Microorganisms in Cardiff, Wales, in 1988, and the prospective Virology Congress for the USA in 1996. Efforts are being made to coordinate international Congresses in Mycology; at the present time two are being held independently with no coordination between them. Microbiological Research Centers (MIRCENs) are reasonably active, despite U.S. cuts in support. My particular assignment is to become more involved with the Interunion Commission on the Application of Science to Agriculture, Forestry and Aquaculture (CASAFA), whereas that of Luis Sequeira (member-at-large) is to do likewise with MIRCENs. Several CASAFA projects, supported principally through FAO, IDRC (Canada), and UNESCO, involve plant pathology. Greater efforts to provide Spanish translations of books and journals were seen as a collective need in microbiology.—*Anne K. Vidaver*

REPORTS OF STANDING COMMITTEES

Society Internal Relations

Archives Committee. Stanley Jensen will serve as chairman until the 1988 meeting at Richmond, VA. Doug Jardine will be chairman the following year. Jensen reviewed the chronology of the NCD of APS, which was updated in 1988 and a copy was sent

to Iowa State with C. Martinson. Jardine was complimented on the excellent letter in *Plant Disease*. Concern was expressed about identifying and contacting not only potential committee members but also cooperators at each institution. A push will be made to correct this situation.—*Stanley Jensen*

Awards and Honors Committee. The committee held its annual meeting at APS Headquarters, St. Paul, on January 30 and 31, 1988. The committee had received 47 nominations for the Fellow award, 12 for the CIBA-Geigy Award, 5 for the Lee M. Hutchins Award, 11 for the Ruth Allen Award, and 1 each for the Teaching and Extension awards. The committee made its recommendations for the 1988 awards and complimented the APS Council on its format for the Awards Ceremony that was held last year.

R. J. Cook was elected chairman and J. M. Ogawa was elected vice-chairman for 1988-1989. R. C. Staples will be immediate past chairman. We will meet in Denver for the 1989 annual meeting.—*Richard C. Staples*

Emeritus Member Committee. This standing committee, created in 1987, has completed its first year of activity. Activities planned for the year, at our first meeting in Cincinnati in 1987, have for the large part been accomplished.

The original idea of preparing a separate emeritus members directory was not possible due to costs required. Rather, a separate listing was prepared and published in the new APS membership directory. Also an updated, expanded list of current emeritus members was mailed to all members, for insertion in their directories.

The committee prepared and distributed to all emeritus members information on less expensive, alternative, lodging in the near vicinity of the 1988 annual meeting. A very successful emeritus members social was arranged at the 1988 annual meeting. Such a social will become a regular part of the APS annual national meeting.

During 1988 the Emeritus Members Committee will participate in the oral history of science project of the National Agriculture Library. Individuals will also work with Dr. Lee Campbell in the writing of a phytopathology history to be published by APS Press.

Members rotating off the committee after the 1988 meeting were F. C. Howard, T. Kommedahl, D. A. Roberts, and G. Zentmyer. New members already approved by the APS Council, are J. Altman, J. F. Schafer, and R. J. Timian (all 3 yr). Appointments recommended, to begin their terms at the 1989 annual meeting are G. A. Brandes (3 yr), K. Maramorosch (1 yr), M. Chessin (2 yr), and W. D. Thomas (3 yr).

M. Shurtleff was elected chairman and secretary for 1988-1989. R. Campana was elected vice-chairman.—*L. J. Littlefield*

Meeting Site Selection Committee. The committee met during the midyear APS Council meeting and at the annual meeting. At midyear, the committee decided that Portland, OR, should be the site for the 1992 meeting, that it was not appropriate or feasible for APS to meet with the International Congress of Plant Pathology in Montreal in 1993, that APS meet in the Southern Division in 1993, and that the Caribbean Division be strongly considered for the 1994 meeting. In San Diego, Nashville, TN, was recommended as the site for a November meeting in 1993. Two sites are being considered for the 1994 meeting with the Caribbean Division: Acapulco and Mexico City, Mexico.

Meeting sites and dates for the next 4 yr are as follows: August 20-24, 1989, Richmond, VA; August 5-9, 1990, Grand Rapids, MI (joint with CPS); August 18-22, 1991, St. Louis, MO; and August 8-12, 1992, Portland OR.—*P. H. Williams*

Membership Committee. For the University Department Head Campaign, personalized letters were mailed to more than 60 plant science department heads at universities, requesting that the department heads review a list of APS members in their university and submit the names of students and faculty in their departments who are not on the list. Many department heads responded. This generated 520 nonmember prospects who received personalized

invitations to join APS from President Weinhold.

In a campaign to members who drop membership, personalized letters were mailed to 191 former members in February 1988 inviting them to rejoin the Society; 3.14% accepted by responding with payment. A similar promotion is planned for February 1989.

A member recruitment drive similar to the University Department Head Campaign will be mailed to Group Leaders in the spring of 1989. Group Leaders will be asked to submit names and addresses of members of their group to receive invitations to join the Society.

A member recruitment drive to prospective members in the biotechnology industry is being developed. An appropriate prospect list from the MPMI company advertising list may be used if deemed appropriate. Dr. Sequeira may be able to offer assistance. (This promotion was originally planned for 1988, but needs to be rescheduled for sometime in 1989.)

Membership Numbers. Membership in FY88 was flat (an overall decrease of 24 members) reflected in a lower student total (see table). Overall, APS accepted 313 new members during this period and lost a total of 337 old members.

Membership for FY 80-FY 88

FY	Students	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

Membership Information in APS Journals. APS staff is currently working on a method to include membership information in each monthly issue of the Society's two journals.

Appeal to Postdoctoral Molecular Plant Pathologists. A "package" designed to entice molecular plant pathologists into the Society has not yet been formulated by Council. A motion to allow *MPMI* to serve as the journal of choice for postdoctoral associates was voted down at midyear council meeting. Because most postdoctoral associates in university departments appear to be involved with molecular biology, it seems appropriate that we develop a membership package that is more appropriate to these individuals.

FY89 Budget/Expense Status. Expense Allocation: \$4,700. Promotion through September 1988: \$281 (Does not include expenses for the department head campaign or other promotions already planned.) APS Annual Meeting Member Drive. Nonmembers who attend the APS Meeting in San Diego are encouraged to join and save \$40.00 on their registration fee (essentially it allows them to register at the member rate. This is publicized in the program book. Those who do not take advantage of this at the meeting, receive a personalized letter after the meeting offering them the same savings.—*Bill Fry and Greg Grahek*

Necrology Committee. Death of the following members occurred since the previous report: Myron P. Backus, Agesilau Bitancourt, Harold W. Bockstahler, Arthur B. Burrell, Phares Decker, Robert G. Emge, Alex M. French, Monroe J. Goode, Earl D. Hansing, George H. Hepting, Allan Howell, Tsune Kosuge, William Q. Loegering, E. S. Luttrell, Amy L. Lutz, Douglas C. Michels, Takashi Naiki, Paul Neergaard, Lowell W. Nielsen, Charles J. Nusbaum, Max A. Sisson, Frederick H. Smith, Thomas Sproston, Schoichi Tanaka, Michael T. Turner, Leon J. Tyler, and Leslie O. Weaver.—*O. W. Barnett*

Nominating Committee. Again this year the nominating procedure worked very smoothly. APS headquarters staff have the procedure down to an effective mechanism. Call for nominations was sent out in early winter with a due date such that nominations were received 2 wk before the midyear council meeting. From these nominations, two individuals were identified for the position

of vice-president, and two individuals were identified for the position of junior councilor-at-Large. The person receiving the greatest number of nominating votes automatically became one of the candidates, but the councilors formed a committee to identify the second individual on each ballot. This year, each of the four individuals agreed to accept the position if elected.

The intermediate councilor-at-large contacted all four individuals and solicited pictures and biographical sketches. APS staff distributed these with the election ballots.

Results of the election were learned in mid-August 1988. The intermediate councilor-at-large informed all four candidates of the results of the election, and each also received a letter from the APS President.—*Bill Fry*

Placement Committee. The committee met on 13 November 1988. Members present were Linda Kinkel, Eva Hecht-Poinar, Nikki O'Neill, Dotty Ginsburg, Ron Brlansky, James Berry, Karen Kackley, Phil Larsen, Mel Lacy, David Smith, Allison Tally, and Arv Grybauskas. Dotty Ginsburg presented statistics on Placement Service for the 1987-88 fiscal year. During 87-88 there were 217 jobs listed and 195 new candidates registered with the service.

Jim DeVay organized the Placement Committee Discussion Session "Opportunities for Employment in International Agriculture" at the San Diego Meetings. We agreed to sponsor a workshop at the 1989 meetings on "Surviving the Job Interview: Do's and Don'ts" (tentative title). Mel Lacy reported on the possibility of publishing information on graduate student completions in *Phytopathology News*. This information may be obtained through the annual chairman's report. Mel is pursuing this further to find whether dissertation titles could be included in the chairman's survey.—*Linda Kinkel*

Sustaining Associates Committee. The committee met on 13 November 1988. The meeting was chaired by D. McGee. Attendees were E. Carley, D. Smith, and R. Stuckey.

Concern was expressed that requests for funds to support social functions at APS national and regional meetings were often sent to several individuals within a company. This often results in confusion and misunderstandings within the company. As a suggestion to resolve this process, the motion was passed that "Solicitations of funds to support social functions at APS meetings be addressed to the individual listed as contact person for the Sustaining Associates committee." This was transmitted to the APS Council.

A list of potential new sustaining associates was compiled and submitted to the APS office. The Sustaining Associates breakfast had 26 attendees. The group was addressed by President Al Weinhold and Executive Vice-President Ray Tarleton. Dr. Frank Howard made a presentation on behalf of the APS Foundation.

Officers for 1988-1989 are E. Carley, chairman, and David R. Smith, vice-chairman.—*Denis C. McGee*

Women in Plant Pathology Committee. During the past year, the committee prepared an article for *Phytopathology News* summarizing the responses of the survey of women in APS. A poster was also prepared for display at the 1988 annual meeting. J. Lindemann prepared a final draft of the committee charter, which was modified and accepted at this meeting. Activities for the coming year will include several more articles in *Phytopathology News* relating to the survey, highlighting achievements of women, outlining the lives of respected women in plant pathology, or addressing problems of professional women. A subcommittee headed by D. Fravel will sponsor a roommate referral service for women for the 1989 annual meeting. R. Luria will head an effort to develop a "Speakers Bureau" to assist in funding the visits of APS women to other universities to speak about their research and to act as mentors for young women in the field. The committee will request sponsorship of a workshop for the 1989 Annual Meeting on the topic of how APS functions as a society. We will also continue to host a social to which all APS members are invited. A subcommittee led by L. Kinkel will investigate methods by which

the ticket price could be reduced, especially for graduate students.—*Jacqueline Fletcher*

Youth Programs Committee. Members in attendance included R. Hunger, F. Bergstrom, and J. Carroll. E. Burns and G. Ruhl were unable to attend due to scheduling conflicts with other meetings. R. Hunger chaired the meeting because J. Ferguson was unable to attend.

Dr. Paul Williams shared with the committee his feelings toward the formation of an Education Committee resulting from the fusion of the Youth Programs, Teaching, and the Exobiology and Space Phytopathology committees. In addition, Dr. Williams stated that the theme for the 1990 meetings would be "The Implications of Science Education in Society," and he hoped that our committee would be actively involved. The Youth Programs Committee favored formation of an Education Committee, but support was not indicated by the Teaching Committee. Thus, the Youth Programs Committee will not pursue this.

During 1989, the Youth Programs Committee is hoping to sponsor a discussion session at Richmond related to recruitment of students into plant pathology. Our committee also plans to organize the writing of a monograph related to using plant pathological examples to demonstrate biological principles in high school curricula. Progress on this project has been unsuccessful in the past, but the committee felt that the project merited another attempt. Thus, the National Association of Biology Teachers will be contacted to determine their interests and specific needs regarding this monograph. R. M. Hunger will be committee chairman in 1988-1989, J. Carroll vice-chairman, and J. Ferguson immediate past chairman.—*Robert M. Hunger*

Society General Policies

Collections and Germplasm Committee. The 1988 discussion session, "Challenges in Transferring Useful Germ Plasm to the Farm," organized by W. Kaiser, R. Hampton, and C. Parish, was very well attended and received. Thirteen committee members and three visitors took action: 1) to make a tentative proposal for a 1989 discussion session on microbial culture collections and an information network, to be organized by L. W. Moore; 2) request support for a 1990 symposium on genetic vulnerability to be organized by J. R. Stavelly; 3) to indicate committee support for cosponsoring a symposium on coffee rust in either 1990 or 1993 to be organized by J. A. Browning; 4) to recommend that three visitors, who expressed willingness to serve, be placed on the committee; 5) elected F. J. Gough as designate to serve as vice-chairman in 1990 and chairman in 1991; and 6) selected V. Groth, C. E. Thomas, and L. E. Browder to develop a feature article for *Phytopathology News* and possibly another for *Diversity*. L. E. Browder was asked to prepare and distribute an outline of committee responsibilities and of previous committee-sponsored events.—*L. E. Browder*

Extension Committee. A summary of the APS Committee Chairmen Orientation Meeting and the APS Program Committee Meeting was reviewed. Members were reminded of the Extension Breakfast at which Dr. D. E. Mathre was the guest of honor. Additionally, the APS Industry/Extension Social was held in the Aerospace Museum the evening of November 15.

A directory of all individuals in the U.S. with an extension plant pathology appointment is being assembled by Richardo Gomez. When complete, the directory will be given to the Extension Committee chairman and distributed to extension plant pathologists in the United States. Individuals were urged to cooperate by completing and returning the questionnaire.

The Discussion and Symposium sessions cosponsored at the 1988 meeting by the Extension Committee were reviewed.

The committee discussed suggestions and plans for the 1989 meeting in Richmond, VA, and the 1990 meeting in Grand Rapids, MI. Mal Shurtleff suggested that we sponsor a discussion session in Richmond on liability concerns to extension workers with an

emphasis on avoiding problems. Many concerns were expressed by individuals of several states. The discussion session title was determined to be "Liability of Plant Disease Management Recommendations and Plant Disease Diagnosis." (The Diagnosticians committee agreed to cosponsor the discussion session). The committee spent considerable time in discussing the need for accountability in extension programming. This discussion eventually led to a suggested title for a discussion session in 1990 in Michigan. "The Changing Role of Extension Education Due to Urban Expansion and Changing Needs of Clientele" was approved.

The status of extension programs around the country was reviewed by those present. Some states seem to be undergoing dramatic recovery of extension programs while others are still experiencing limited to no growth.—*James W. Travis*

Genetics Committee. The 1988 meeting of the Committee was called to order by Chairman Dean Gabriel. In attendance were: Vice-Chairman D. Gilchrist; Members: J. Leslie, R. Line, G. Statler, D. Pope, G. Milus, J. Stavelly, S. Farrand, and C. Bender. J. Browning was a visitor. New members were introduced, and minutes of the 1987 meeting were approved as described.

Discussion centered on several topics including long-range goals and research priorities in genetics relative to APS priorities; standardization of genetic nomenclature for APS journals (subcommittee appointed); regulations governing transmittal, receipt, use and release of exotic or genetically altered strains of plant pathogens. There also was general discussion on Society responsibility for public education on regulatory and legal issues of biotechnology research and application to disease control. A number of symposia were proposed for 1989 and 1990 including "Role and genetic regulation of cell wall degrading enzymes in disease"; "Systems and strategies for isolation of disease response genes"; and "Ecology of genes regulating non-obligate plant-microbe interactions."

A list of willing prospective members of the Committee was prepared for submission to the APS Council. The vice-chairman for 1989-1990 is A. Chatterjee. S. Farrand was elected vice-chairman for 1990-1991.—*D. Gilchrist*

Industry Committee. The committee cosponsored a colloquium with the Nematology Committee and the Plant Health and Environmental Quality Committee to address the topic "Groundwater Contamination by Pesticides." This session was well attended and spawned lively discussion on a subject of obvious concern. Also sponsored was the New Products and Services from Industry Session. A diverse group of presentations covering information and consulting services, new chemistry developments, and advances in diagnostic technology were given.

The Annual Industry/Extension Social took more than 200 participants through the San Diego Aerospace Museum. Both this event and the Welcome Reception on Sunday were supported by funds from 27 contributing industries. These contributions were coordinated by working closely with the local arrangements committee. The 1989 social for the Richmond meeting is planned to be another riverboat trip, based on the positive response from Cincinnati.

Planning for the 1989 program includes a discussion session on Standardization of Disease Assessment Reporting to be cosponsored with the Chemical Control and Plant Disease Losses committees.

Dr. Rod Vargo of Mobay was elected as vice-chairman.—*Bryan Delp*

International Activities Committee. The role and status of the committee (formerly the International Cooperation Committee) continues to be an issue. At the 1987 annual meeting in Cincinnati, it was proposed that the International Cooperation Committee become involved in policy development and meeting program planning, while the Office of International Programs (OIP) would be more involved in action-oriented activities. The name of the committee was changed to the International Activities Committee

(IAC) to reflect this change in orientation, and the change was approved by the APS Council. Nevertheless, the issue continues to surface within the Committee and OIP advisory board meetings.

There exists some difference of opinion as to the need and advisability of the existence of an IAC involved in policy development and an OIP advisory board. However, several members of IAC expressed the advantages of having a committee within OIP for policy and meeting activity generation that would meet at a time to allow for greater input from the APS membership. In light of this the following motion was carried: "That the IAC should propose to APS Council that it become a committee of the OIP with major responsibilities concerning policy formation by the OIP. This newly formed committee would meet during the annual meetings of APS at a time when the general membership would have maximum opportunity for participation. Committee members would be appointed as with normal APS Council procedures for committees dealing with Society General Policies."

The matter was discussed further with the advisory board of OIP and was presented to the APS Council for a resolution. The advisory board of OIP agreed that the IAC should become a part of OIP, but that its role as a policy developer was a duplication of the role of the advisory board. It was suggested that it could very well serve as a committee to arrange for programs (seminars, workshops, forums, etc.).

The method of election of members to this new "program committee" was also a matter of concern. The IAC committee moved that the members to this committee, if merged with the OIP, would be chosen in a manner similar to the procedure for committees dealing with Society General Policies. There seemed to be concern that the present method of selection of persons concerned with policy statements for OIP may lead to an "old boy system."

The dilemma was presented to the APS Council, which requested a position paper to be discussed and decided upon at the Council's midyear meeting.

The IAC contacted the Latin American Association of Phytopathology concerning the possibility of a Latin American Division of APS. Little interest in this was expressed by the Latin American Association.—*Joe Krausz*

New Fungicide and Nematicide Data Committee. The committee meeting was called to order, retiring members were recognized, and new members of the committee were introduced. Stephen Johnston, who assumed the duties of editor of *F & N Tests* in August 1987, presented the editor's report. Volume 43 of *F & N Tests* was published for the first time in a camera-ready format and contained 321 reports. The committee discussed the benefits of producing *F & N Tests* in the camera-ready format and commended S. A. Johnson on the quality of the publication. Difficulties with the transition to camera-ready format were discussed.

Gerard Berggren presented the business manager's report. A total of 645 copies of *F & N Tests* were sold from July 1, 1987, to June 30, 1988. It was suggested by the business manager that the purchase price be increased to reflect the actual production cost. It was decided by the committee that the cost of the report should be increased from \$7.00 to \$10.00 per copy. This is the first price increase in 10 yr.

The publication of *F & N Tests* by APS Press was discussed. Richard Smiley discussed available options for transferring the publication from the present system to publication by APS Press. The committee voted to maintain publication with the present system for Volume 44.

Janet Anderson of the Environmental Protection Agency met with the committee to discuss standardization of pesticide product performance data. *F & N Tests* provide the office of Pesticide Programs with valuable information on comparative product performance. Procedures for reporting data and standardization of data were discussed.

Officers for 1989 are Erik Stromberg, chairman; and John D. Mueller, vice-chairman.—*F. J. Crowe*

Phytopathology News Coordinating Committee. Laurence D. Moore was appointed editor, replacing Chuck Powell who served as editor since 1985. In the period of November 87 to October 88 *Phytopathology News* averaged 13.6 pages per issue. Beginning January 1988, several new features were added, including the Editor's Corner, Staff Profiles, a Letter to the Editor section, and a Council Column. Twenty-one books were reviewed between November 1987 and October 1988.

The Editorial Committee was composed of Doug Maxwell (features), Carol Windels (division news and reports of meetings and workshops), Gary Moorman (people news), Lee Campbell (book reviews), Chuck Powell (calendar and meeting announcements). Thirty-seven plant pathology departments have been designated *Phytopathology News* departmental editors. In addition, Sue Casey of the APS staff served as the editorial assistant assigned to *Phytopathology News*, with Vera Baker as a valuable liaison person as manager of journal publications for APS. Sue and Vera deserve a special thanks for their efforts this year as we doubled the size of the newsletter.—*Laurence D. Moore*

Private Practice Committee. Ten persons attended the meeting chaired by K. D. Widin. Four persons were nominated for membership. John Cross is the vice-chairman for 1988-1989; Bob Lambe is the vice-chairman elect for 1988-1989 (Bob Littrell, chairman, 1988-1989).

There was a discussion regarding the discussion session for 1988, which was cosponsored by Private Practice, Extension, and IPM committees. Several members will be preparing articles this year on various aspects of private practice for *Phytopathology News* and possibly *Plant Disease*. K. Widin will contact APS about including a question regarding private consulting on the next APS membership survey. John Cross suggested that this committee cosponsor a discussion session with other interested committees for the 1990 meeting on the legal aspects of plant pathology; he will investigate and report back in 1989. It was suggested that the private practitioners get together informally at the next and future APS meetings to share interesting problems and case information.—*Katharine D. Widin*

Public Relations Committee. Members present at the meeting in addition to Chairman Blanche C. Haning and Vice-Chairman C. Lee Campbell were Phil Colbaugh, Jerry T. Walker, Gary Bergstrom, and Gail Ruhl.

The display of academic departmental promotional and recruiting materials at the 1987 APS meeting was well received; about 50% of eligible departments participated. This project should be discussed at the 1989 meetings as a possible continuing project to be coordinated by the committee or headquarters staff.

The concept of a press room as a focus for news releases was discussed. There was very little participation at the Cincinnati meetings. Although the committee endorses the concept as a good one, the question remains as to how to effectively organize and promote news releases from the annual meetings.

The Symposium, "Plant Health Management Issues of Public Concern: Focus on Pesticides," cosponsored by the committee was held November 15. Publication of the material from the speakers will be submitted to *Plant Disease*. The committee thanked Blanche Haning for her diligent efforts in organizing the symposium.

APS prizes were awarded at the International Science Fair held May 8-14, 1988, in Knoxville, TN. Kim Gwinn, University of Tennessee, chaired the judging team and made the presentations (first prize \$250; second, \$150; third, \$100; and fourth, \$50) on behalf of APS. Each student participant also received a certificate for a complimentary "Plant Disease" t-shirt. The Committee approved a motion to request permission of Council to provide four awards of equal monetary value (\$150) and rank at future fairs. This will recognize the true excellence of the award projects and simplify the judging process. Lee Campbell will recruit a 1989 chairman of judges for the fair to be held in Pittsburg, PA. The need for readily available information on science fair projects in plant pathology was discussed.

The need to recruit a department to "volunteer" to coordinate the APS booth at the Future Farmers of America Annual Convention in Kansas City was discussed. Lee Campbell will contact several departments to seek volunteers.

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

Public Responsibilities Committee. Members present at the committee meeting were S. Tolin, A. Ellingboe, R. Gudauskas, P. Larson, J. McGuire, and R. Tarleton (*ex officio*).

The committee has begun, at the request of Council, to consider the development of a Code of Ethics for the American Phytopathological Society. A subcommittee composed of P. Larsen (chairman), H. Cole, and G. Hooper will examine codes in use by other societies, consider questions of purpose, need, and legal implications to the society and its members, and report back at the 1989 meeting. The committee continues to see that a regular item in *Phytopathology News* to inform members of pending regulations, legislation, and other items of interest to members would be of value and discussed ways to implement this in a timely manner. David Coplin, who was asked to chair the ad hoc committee set up by Council at this committee's request last year and named the Biotechnology Regulation Impact Assessment Committee, described the activities that he and Council had agreed to. These were endorsed by the Public Responsibilities Committee, which also encouraged expeditious consideration by the BRIAC of criteria and approaches for establishing classes of risk of conducting research with plant pathogens.

Program activity in 1988 included sponsorship of an Open Forum on Impacts of Regulation of Biotechnology in Plant Pathology and cosponsorship of a colloquium and a symposium. An additional open forum is planned for the 1989 meeting on the responsibility of plant pathologists in biotechnology research and regulation, since this format has allowed presentation and discussion of issues of importance to members of the society. Officers for 1988-1989 are Al Ellingboe, chairman; Merritt Nelson, vice-chairman; Sue Tolin, immediate past chairman; and Bob Gudauskas, vice-chairman-elect.—*S. Tolin*

Regulatory Work and Foreign Plant Diseases Committee. The committee meeting was attended by 23 people (4 members, 2 new members, and 17 guests/visitors).

The length of chairmen's tenure was discussed. Members voted to keep the 2-yr tenure optional on a case-by-case basis.

Members voted to designate an "executive committee" consisting of the chair, vice-chairman, and immediate past chairman for interim action of the committee and to assist in committee planning as authorized in the Guidelines for Chairmen of APS Committees, with the provision that this was to be used when immediate action was needed and the chairman would immediately inform the rest of the committee of such action. Attendees were reminded of the exhibit that was developed by USDA-APHIS to explain the permit system for moving living plant pests and genetically engineered organisms. It would be on display in the exhibit hall and was sponsored by the committee. Maintenance of the list of regulatory plant pathologists developed last year was discussed. Spencer, as the originator of the listing, indicated that she would maintain and update the listing indefinitely and provide updates to the committee when requested. She also reported on the plant pathogenic organisms indices project, indicating that about 30 states had responded. She planned to again contact nonresponding states and to have the listing available by spring. The Golden Nematode Program position paper was discussed. The position paper was requested by the committee and was developed by the Society of Nematologists' Regulatory Nematology Committee when USDA-APHIS indicated that it would cut funding for the program in FY 1989. It was signed by the presidents of both societies and sent to various congressional and regulatory individuals. Funding was ultimately restored.

The new goals and objectives of the Cooperative National Plant Pest Survey and Detection Program were circulated and discussed.

The name has been changed to the Cooperative Agricultural Pest Survey Program. The new DATAPEST subsystem, which would record historical plant pest distribution information and have mapping capabilities, should be operational within a year. Spencer noted that the Technical Review Group (of which she is a member representing nematology) had a vacancy for a plant pathology representative. Suggestions for a replacement should be sent to the National Survey Coordinator, Dave Talpas.

The need for more specific written committee goals and objectives was discussed. It was felt that committee's paragraph of purpose in the APS Operations Manual is too vague and that something more specific is needed to help direct incoming members. Goals, objectives, and procedures developed by the Society of Nematologists' Regulatory Nematology Committee were circulated as examples. The chairman was directed to draft a similar document and circulate it to the members for comment.

She then reported on the APS ad hoc Biotechnology Regulation Impact Assessment Committee, which met a few hours previously and reviewed its proposed activities. Attendees were reminded about the three sessions pertaining to biotechnology regulations that would be held during the 1988 APS meeting.

The Liaison position for interaction between USDA-APHIS-PPQ and the committee (as requested by the committee) was approved during the past year. Laura Defrense had been designated to be this liaison when PPQ was intact, and she reported on her possible activities as opposed to what the committee had drafted previously. Ed Imai reported on the recent reorganization of APHIS and the difficulty of designating a single person as a liaison for all the different APHIS groups now. The committee restated its desire to have a single contact person who could report for all the groups. The chairman was directed to send a letter to APHIS Administrator James Glosser stating the current situation and needs in light of the reorganization.

Future committee activities for the 1989 APS meeting were discussed. They included cosponsorship of a forum on biotechnology regulations with the Public Responsibilities Committee (pending its approval) and a discussion session on exotic plant diseases to be organized by B. H. Singh and W. Dowler. A request for suggestions for new members was made. Conrad Krass reported on a new corn virus disease (sorghum stunt mosaic virus) in California. He indicated that it had been reported to APHIS' New Pest Advisory Group (no committee action was requested). It was suggested that information on new pests be reported to the states via NAPIS and TELEMAIL. The archive notebook on committee activities was turned over to B. H. Singh, the incoming chairman for 1988-1989. J. A. Appel will serve as vice-chairman.—*Suzanne Spencer*

Standardization of Common Names of Plant Diseases Committee. The committee discussed the importance of its responsibility to APS and to science. This forum followed an effort to increase the level of committee efficiency and achievement during the past year. Since 1984, the committee has published or completed initial reviews on lists of diseases for 48 commodities. The committee initiated collation efforts on about 30 additional commodities during 1987 and 1988.

Membership in the committee was expanded to ensure that it included specialists in all major pathogen groups and that it maintained geographic representation across North America. In order to maintain a uniform system of recognized standards by the Society and the scientific and industrial community, the committee more formally linked itself to USDA mycologists who maintain current and computerized lists of names and authorities for fungal diseases of plants and plant products in the United States. This list will be published in book form by APS Press during 1989.

Lists of common names for eight commodities were published in *Plant Disease* during 1988, including almond, elm, English walnut, foliage plants, pea, peanut, pecan, and sugarcane. The public review process, through publication in *Phytopathology News* and a subsequent response period, was completed for the list of avocado diseases and is nearing completion for the lists of cassava and date palm diseases. Lists that will soon appear in the News

include diseases of Cannabis, spinach, and flax.

Officers for 1988-1989 are R. W. Smiley, chairman, and H. D. Hansen, vice-chairman.—*R. W. Smiley*

Teaching Committee. The Teaching Committee meeting was attended by 11 people. George Hudler and Gail Schumann will be chairman and vice-chairman, respectively, for 1989. Jim Partridge was elected vice-chairman for 1990.

A disease diagnosis competition and a discussion session evaluating teacher performance in plant pathology were both well attended. A proposal to merge the Youth Committee and the Teaching Committee into an Education Committee was rejected. A 2-wk workshop on innovative teaching of undergraduates in plant pathology to be held within the next 2 yr was agreed upon. A proposal for funding such a workshop will be submitted to NSF. A forum on Teaching Introductory Plant Pathology and a disease diagnosis competition were scheduled for Richmond. At San Diego, a disease recognition competition and a discussion session evaluating teacher performance in plant pathology were both well attended. Dave MacDonald of the University of Minnesota thanks everyone who contributed slides to his interactive videodisc program for disease diagnosis.—*A. B. Filonow*

Subject Matter

Bacteriology Committee. The committee meeting was attended by 30 persons. At the 1988 APS national meeting, the committee sponsored three major events: a Teach-in on "Genetic methods for characterization and identification of bacteria" organized by T. Denny, a Discussion Session on "Fluorescent pseudomonads as agents for Biological control of plant disease" organized by J. Loper, and a Colloquium on "Expression of cloned genes involved in host-parasite interactions" organized by J. Leach and D. Gabriel of the Genetics Committee.

L. W. Moore reported on progress by the ESCOP Subcommittee on Microbial and Subcellular Germplasm Collections to establish a computerized national network of information storage and exchange on "working" collections. A grant of \$100,000 was received through USDA/CSRS to begin development of the national network. L. Moore will oversee the initial stages of the project, which will be initiated at Oregon State University. D. Coplin reported on proceedings of the APS Biotechnology Regulation Impact Assessment Committee. During discussion, it was suggested that the Bacteriology Committee assess plant pathogenic bacteria according to the potential risk. M. Davis reported that a new listing of the names of plant pathogenic bacteria and of pathovar names would be published by the ISPP Subcommittee on Taxonomy of Phytopathogenic Bacteria. N. Schaad reported that the revised APS "Laboratory Guide for Identification of Plant Pathogenic Bacteria" was recently published. Committee members expressed appreciation to Dr. Schaad for his work in developing this important contribution. D. Gross and R. E. Davis reported on topics discussed at the orientation meeting for APS Committee chairmen. Topics included the need for expansion of APS headquarters facilities and the continuing process of defining long-term research goals, a process in which committee involvement is needed. Also reported was consideration of videotapes of sessions, particularly of workshops and other special events, and the problems of simultaneous sessions within a subject matter area. A discussion ensued emphasizing difficulties arising from conflicts among sessions of interest to committee members. It was generally agreed that programming conflicts could be reduced if preliminary meeting programs could be reviewed by committee chairmen before the program is finalized.

The committee requested to sponsor in 1988 a special session on "Mechanisms of communication between microbes and plants" and discussed possibilities of cosponsorship of an event with another committee in 1989 or 1990.

T. Denny was elected vice-chairman for 1990-1991.—*R. E. Davis*

Biochemistry, Physiology, and Molecular Biology Committee.

The committee sponsored a discussion session on "Direction of Future Research on Physiology of Rusts and Other Diseases Caused by Biotrophic Fungi" at the annual meeting in San Diego. At the committee meeting, discussion centered around topics for sessions at future APS meetings. The committee decided to request two discussion sessions for the 1989 meetings, one on molecular biology of cell wall degrading enzymes (organized by N. Keen and cosponsored with the Genetics Committee) and one on surface interactions during infection (organized by R. Staples). For the 1990 meeting, the possibility of cosponsoring a session with the Disease Physiology Committee of the Canadian Phytopathological Society was discussed. It was decided that we would pursue joint sponsorship of a symposium on free radicals and light-activated compounds in host-pathogen interactions (M. Heath, M. Daub, and D. Keppler, organizers). The possibility of publishing the proceedings of the symposium was also discussed. Other activities proposed for the 1990 meetings included a discussion session on signal transduction (M. Atkinson and R. Bostoc, organizers) and a workshop on innovative cytological techniques (H. Hoch and M. Heath, organizers). Interest was also expressed in topics for future sessions such as toxins and mycotoxins, induced resistance, cloning resistance genes, and fate of genetically engineered organisms in the environment. Several issues of concern to members of the committee also were discussed. These included the problems involved in educating students in both molecular biology and plant pathology and the issue of concentrating research efforts on select model systems vs. diversifying research efforts on many systems. Many points were discussed, but no conclusions were reached.

Raymond Hammerschmidt will serve as committee chairman for 1988-1989, with Jacyn Baker as vice-chairman. Merelee Atkinson was elected vice-chairman elect.—*Margaret Daub*

Biological Control Committee. A symposium entitled "The Genetic and Biochemical Basis of Biological Control" was selected as our sponsored program for the 1989 meeting. It was decided that this was an area of rapidly expanding progress and should be presented as a symposium. If it is not approved as a symposium, the desire is to pursue it as a discussion session. Harvey Spurr indicated that the biocontrol newsletter has been quite successful, with over 600 current subscribers. Joe Kloepper agreed to work with Harvey to generate more corporate sponsorship for this endeavor. The committee voted to continue the Biocontrol Slide Set with an updated version to be ready for the 1990 meeting. Joe Kloepper and Larry Stowell will put together the updated series. The committee also agreed to look into the possibility of having a Biocontrol Social at future APS meetings to provide those involved in biocontrol with the opportunity to get together and discuss ideas. Margann Miller-Wideman will approach APS Council with this idea. As a result of increased regulation and public concern over the release of genetically altered biocontrol organisms, the committee agreed to put together a subcommittee to compile resource information useful in expediting application reviews for field release studies and providing input to help amend current federal regulations. The group will also develop strategies for increasing positive public relations for biological control. Margann Miller-Wideman, Gary Harman, Trevor Suslow, and Larry Stowell agreed to serve on this committee.—*Eric B. Nelson*

Chemical Control Committee. The committee meeting was attended by 8 members and 10 guests. Several topics were proposed and discussed for possible Discussion Sessions in 1989. The committee agreed to cosponsor with the Industry Committee a discussion session entitled "The Need for Standardization of Rating Systems" and with the IPM Committee "The Role of Chemicals in Sustainable Agriculture" at the 1989 meeting in Richmond.

Charlie Delp discussed the status of work on fungicide resistance in the United States and called attention to a Congress on Pesticide Resistance to be held in 1990. The video "Paradox of Resistance" is available.

The committee discussed the need to revise the document "Contemporary Control of Plant Diseases with Chemicals" and decided that since the regulatory need by EPA had passed, there was no longer need for a revision.

Earl Butterfield was elected vice-chairman for 1989-1990.—*Turner B. Sutton*

Diagnostics Committee. Twenty-five persons attended the committee meeting. Reports were presented on the Plant Virus Detection Workshop conducted at the University of California-Riverside the week before the annual meeting. The workshop was cosponsored by the Virology, Diagnostics, and Plant Disease Detection committees. Discussions were conducted on the participation of the Diagnostics Committee's involvement in future APS-sponsored workshops. The future of the Rapid Diagnostic Techniques Workshop and future feature articles for the *Plant Diagnostician's Quarterly* were also discussed.

In Richmond the committee will conduct another hands-on Rapid Diagnostic Workshop. Again in San Diego as in Cincinnati, many more people signed up for the workshop than could be accommodated.

The current status and future plans for the Plant Disease Detection Manual were also discussed. The committee will continue to support the production of the manual. Margary Daughtrey was elected chairman-elect (1989-90) and will assist Robert Wick, chairman (1988-1989).—*Stephen T. Nameth*

Diseases of Ornamental Plants and Turfgrasses Committee. The committee discussed potential subjects for special sessions at the next three annual meetings:

1989, Teach-In (workshop) "Photography—Time lapse, microscopy and specimen" (Andy Schuenger and Ron Jones); Colloquium "Patch Diseases of Turfgrasses" (Bruce Clarke)

1990, Symposium or Colloquium, "Container media effects on disease management" (Harry Hoitink); or Symposium or Colloquium, "Tomato spotted wilt virus" (Marge Daughtrey)

1991, Symposium or Colloquium, "Propagation for disease management"

Ron Jones commented about publication of related photographs on the covers of *Plant Disease* to allow for resale. A member reported that this was being discussed by Council.

The ornamental tour was successful with 30-40 attendees. The committee suggested that in the future all people who register for a tour receive confirmation of their spot. At present only those who cannot attend are notified.

Margery Daughtrey mentioned two publication ideas on ornamentals and asked for comments by the committee.

The committee suggests that B & C Tests be advertised to horticulturists since so many of the reports are variety trials that are performed by horticulturists as well as plant pathologists. We should solicit reports from them directly as well as orders for the publications. Rob Wick of the University of Massachusetts was elected as the new vice-chairman to serve as chairman during 1990-1991.—*A. R. Chase*

Environmental Quality and Plant Health Committee. Attending the committee meeting were Bruce Clark, Pat McCool, Steven Schafer, and Eva Pell. Concern was expressed over the low numbers of papers presented on non-infectious diseases even though many plant disease and insect clinics report that at least half of the samples submitted on a yearly basis involve noninfectious diseases. The committee debated the wisdom of incorporating EQ/PH into other sections at future meetings. We decided to postpone further consideration until other members could be consulted. Members present determined the best role for the EQ/PH Committee was to cosponsor colloquia, symposia etc. with other committees.—*S. R. Schafer*

Epidemiology Committee. The committee meeting was attended by 13 members and 17 others. The committee sponsored a symposium for the 1988 program on "Epidemiology on a Regional Scale" that was organized by S. Coakley and D. Rouse. Drs. Philip

Merlees, National Center for Atmospheric Research, and Terry Gillespie, University of Guelph, were the speakers from outside the APS.

Future program ideas were discussed. The 1987 idea of sponsoring a colloquium on "Dispersal of Microorganisms" in 1989 was considered. The need to integrate epidemiology into biotechnology in a definite way was brought up for discussion with the idea that temporal and spatial development of epidemics was a natural connection to issues of releasing genetically engineered organisms. It was decided that a colloquium on the "Usefulness of spatial analysis in plant pathology" would be sponsored by this committee in 1989. J. A. Browning's request to Epidemiology was approved to cosponsor a symposium on coffee rust for 1990 or 1993 in cooperation with several other committees. For 1990, it is proposed that a Society-wide graduate student competition solicit papers on the epidemiological implications of the individual's research; the winners would present their papers in a special session at the annual meeting.

The committee believes that there is no need to restructure or change the number of concurrent sessions at the annual APS meeting. Gregory Shaner was elected as vice-chairman for 1990.—*S. Melugin Coakley*

Forest Pathology Committee. The committee sponsored a discussion session on Forest Decline, two paper sessions, and a poster session at the San Diego meeting. In addition we sponsored three field trips: the Cleveland National Forest to look at pest management in a high use recreation area, the San Diego Wild Animal Park to examine the special problems of maintaining plant health in an environment focused on people and exotic animals, and a 3-day forest tour starting in Berkeley. Fifty-two people attended the committee meeting, to plan next year's program and to hear the report of the Task Force on the Future of Forest Pathology, chaired by Dave Drummond. Fields Cobb is preparing a report on Task Force activity for *Phytopathology News*. Proceedings of our 1985 symposium "Leptographium Diseases of Conifers" was published by APS Press.

Fields Cobb is the 1989 chairman, Dave Appel is vice-chairman, Paul Hessburg is vice-chairman-elect.—*Everett Hansen*

Genetics Committee. The 1988 meeting of the committee was called to order by Chairman Dean Gabriel. In attendance were: Vice-Chairman D. Gilchrist and members J. Leslie, R. Line, G. Statler, D. Pope, G. Milus, J. Stavely, S. Farrand, and C. Bender. J. Browning was a visitor. New members were introduced, and minutes of the 1987 meeting were approved as described.

Discussion centered on several topics, including long-range goals and research priorities in genetics relative to APS priorities; standardization of genetic nomenclature for APS journals (subcommittee appointed); and regulations governing transmittal, receipt, use, and release of exotic or genetically altered strains of plant pathogens. There also was general discussion on society responsibility for public education on regulatory and legal issues of biotechnology research and application to disease control. A number of symposia were proposed for 1989 and 1990 including "Role and genetic regulation of cell wall degrading enzymes in disease," "Systems and strategies for isolation of disease response genes," and "Ecology of genes regulating nonobligate plant-microbe interactions."

A list of willing prospective members of the committee was prepared for submission to APS Council. The vice-chairman for 1989-1990 is A. Chatterjee. S. Farrand was elected vice-chairman for 1990-1991.—*D. Gilchrist*

Integrated Pest Management Committee. Members attending the committee meeting were D. R. Sumner, J. K. Waldrop, K. M. El-Zik, B. C. Haning, R. W. Miller, T. A. Zitter, T. Melton, R. Line, D. Cooley, E. Palm, and C. J. Southards. C. Johnson, A. Browning, W. M. Brown, Jr., and J. Fulkerson were visitors. The committee cosponsored the discussion session "Plant Health Management Information—The Role of Extension, Private Practice, and IPM Specialists" and sponsored the discussion

session "Assessment of IPM Programs—At a Crossroads?" at the 1988 annual meeting. The sessions were attended by 75 and 60 people, respectively, and summaries of the sessions will be prepared for publication. The committee agreed to sponsor the following programs for future annual meetings: 1989—discussion session on Successful IPM Systems in Low Input Sustainable Agriculture, 1990—symposium on Urban IPM (to be cosponsored by other committees); and 1993—symposium on Coffee Rust (as a cosponsor).—*Donald R. Sumner*

Mycology Committee. The committee meeting was attended by 10 members. Eight new members were added to the committee to begin terms in 1988, including J. Adaskaveg, D. Duval, S. Fricke-Meyer, P. Bedker, V. Cotter, J. Groth, R. Schneider, and N. Shishkoff. Persons to be recommended as new members in 1989 are S. Redlin and E. Stewart (reappointment).

The committee sponsored a colloquium in San Diego entitled "Developments in the Systematics of Trichoderma," moderated by E. L. Stewart with J. Bissett (via video), G. Samuels, and R. Meyer presenting papers. In addition, L. Spielman organized a postmeeting workshop entitled "Molecular Approaches to the Genetics and Systematics of the Oomycetes: *Phytophthora* and *Pythium*."

Discussion at the committee meeting centered on new business, especially potential topics for future colloquia, discussion sessions, and symposia. A discussion session on the genus *Rhizoctonia* (N. Shishkoff, coordinator) will be proposed for 1989 as part of the committee's ongoing series on current developments in mycology. The genus *Phoma* will be the likely topic for the 1990 session. A discussion session on the biology of the oospore (germination) is also proposed for 1989 and will be organized by J. Lorbeer. A symposium dealing with the biology/ecology, identification, and genetics of the genus *Fusarium* is under proposal for 1991 or 1992, possibly cosponsored by the Genetics Committee. A workshop on phylogenetics has been discussed, to be organized by R. Schneider.

Additional discussion centered on possible topics for a Plant Disease feature article, potential involvement of the Mycology Committee with the Office of International Programs, the need to reiterate to the editors our concern over the importance of citing voucher specimens in scientific articles, as well as additional ways the Mycology Committee could interface with and provide a service to plant pathology, in general. The possibility of developing a list of mycologists willing to identify fungi was discussed.

M. E. Palm will continue to serve her 2-yr term as chairman, with E. L. Stewart as vice-chairman, and T. R. Gottwald immediate past-chairman.—*Mary E. Palm*

Mycorrhizae Committee. The committee met November 13, 1988, with the following people in attendance: B. A. Hetrick (chairman), J. H. Graham (vice-chairman), R. M. Davis, M. F. Allen, R. N. Ames, D. Douds, F. Pflugler, A. Anderson, S. Jensen, and J. MacFall.

A workshop program on Taxonomy of Endomycorrhizal Endogonaceae was considered for sponsorship. The program was organized by J. B. Morton and scheduled for Wednesday through Saturday, August 16-19, 1989, at West Virginia University, Morgantown, WV, before the APS annual meeting, Richard, VA. The registration and accommodations costs will be nominal and arranged by J. B. Morton, West Virginia University. J. H. Graham presented the workshop proposal to the APS Program Committee and recommended that it be presented as part of the APS annual meeting program since it will be offered to APS members on a first come, first served basis.

The committee further considered the feasibility of publication of a slide set through APS. Several drawbacks were discussed: need for permission from the authors of slides, copyright problems, low quality duplication, and the high purchase price. J. B. Morton will offer a set of endomycorrhizal taxonomy slides through West Virginia University. Other subject matter was thought to be covered adequately by the Mycorrhizal Methods publication available from APS.

There was further discussion of a Phytopathological Classic, but

no agreement on what and how many papers should be included. High-quality translations have been difficult to develop, and some of the papers are lengthy. M. F. Allen obtained current papers and translations from R. N. Ames and will follow-up.

Plans for the 8th North American Conference on Mycorrhizae (NACOM) were presented by M. F. Allen and discussed. Because of the Taxonomy Workshop in 1989 and NACOM in 1990, no symposia, etc., were proposed for the APS program for the next 2 yr.

J. H. Graham will serve as chairman and R. N. Ames as vice-chairman elect for 1988-1989.—*James H. Graham*

Plant Disease Detection Committee. The committee meeting was attended by 11 people. The committee cosponsored the 1988 premeeting workshop entitled "Current Plant Virus Detection Methods."

For approximately 2 hr, discussion concerning the future of the Plant Disease Detection Committee was held. The committee members discussed whether we should cosponsor the compilation of a plant disease detection manual. It was decided that if members of the committee wanted to get involved in such a publication, the majority of the committee were in favor and would provide support.

The committee initially was established to help develop the area of remote sensing for plant pathologists. It was decided to return to this subject and cosponsor a colloquium in 1989 entitled "Present status and applications of remote detection of plant diseases."

A liaison contact between the Plant Disease Detection Committee and the Plant Diagnostics Committee was suggested. David Roberts volunteered.

The completion of USDA Handbook No. 165, "Index of Plant Diseases in the United States," revision was discussed by the members. It was suggested that each member contact one member of the Council and suggest that this revision be completed in the immediate future.

David Marshall will serve as chairman for 1988-1989, with William McCartney as vice-chairman.—*D. L. Long*

Plant Disease Losses Committee. Forrest Nutter, Jr., presided at the meeting, attended by 8 committee members and 10 guests. He reminded the committee of the schedule for the symposium sponsored by the Plant Disease Loss Committee entitled, "Assessing Potential Impact of Planned Releases of Bioengineered Organisms Using Modeling and Nonmodeling Approaches."

Several potential topics were suggested and discussed. They included: 1) Assessing crop losses in sustainable agricultural, 2) The use of computers in teaching the concepts involved with crop loss, and 3) Standardized methods of assessing disease severity. It was suggested that the topic on computer usage would be more appropriate at the 1990 APS meeting. Kira Bowen indicated we should contact the Teaching Committee for support.

Since the Plant Disease Loss Committee has a symposium in 1988, Wayne Pedersen suggested we cooperate with other committees on related topics in 1989. (At the Program Committee meeting for 1989, the IPM and Epidemiology committees indicated they were interested in jointly sponsoring a session on Sustainable Agriculture. The Industry and Chemical Control committees indicated they were interested in sponsoring a session on standardized methods of disease assessment.)

Ken Johnson was elected vice-chairman for 1990-91. Officers for 1989-1990 are: Chairman, Wayne L. Pedersen and Vice Chairman, Kira L. Bowen.—*W. L. Pedersen*

Plant Nematology Committee. Nine members or visitors attended the committee meeting. Jim Kotcon was thanked for his help in arranging the colloquium on "Ground Water Contamination by Pesticides," which was cosponsored by the Nematology and Environmental Quality and Plant Health committees. A possible colloquium topic for 1989 or 1990, *Xiphinema americanum* and tomato ringspot virus, was discussed.

The committee discussed joint meetings of APS and SON. All members present felt that the benefits of joint meetings were

greater than the disadvantages. The topic will be discussed with the Executive Council of APS and the Executive Board of SON.

The committee recommends that the APS Nematology Committee and SON Education Committee coordinate efforts to produce slide sets for teaching.

Jim Kotcon and Gary Lawrence will serve as chairman and vice-chairman, respectively, for 1988-1989. Tom Powers was elected vice-chairman for 1989-1990.—*B. A. Jaffee*

Postharvest Pathology and Mycotoxicology Committee. A list of suggested reviewers to be submitted to assigning editors of *Phytopathology* and *Plant Disease* was discussed and revised. A new list will be sent to committee members to get key words regarding crops and specific research areas of the reviewers.

It was brought up that T. E. Cleveland conducted a survey of course work in postharvest pathology and mycotoxicology in the United States. Results of this survey were submitted as a newsnote to appear in *Phytopathology News*.

The committee discussed possible activities at future meetings of APS. It was decided not to sponsor an event in 1989. It was proposed that we sponsor or cosponsor discussions in 1990 and 1991. The discussion in 1990 would be entitled "What is the future of postharvest pathology with limited chemical control?" The title in 1991 would be "Functions of mycotoxins in plant disease and fungal life cycles."

D. M. Wilson and J. M. Wells will serve as chairman and vice-Chairman, respectively, for 1988-1989.—*P. L. Pusey*

Seed Pathology Committee. A subcommittee was formed to address the problem of how regulatory agencies of various countries formed restricted lists for seedborne pathogens and how information can be better exchanged and made available to these agencies for them to make more informed decisions. The prospect of the Association of Seed Analysts developing standardized criteria for testing of seedborne pathogens to help solve this problem is being explored. A standing subcommittee headed by the vice-chairman was formed to develop topics for programs to be presented for discussion at the committee meeting the following year. The committee approved of further study of an invitation for a joint meeting with the Seed Pathology Committee of the Canadian Phytopathological Society to be held in 1990 at the APS meeting at Grand Rapids, MI. Fred Saettler will act as liaison with the Canadian Society in developing this joint meeting. It was decided to submit for approval a Discussion Session at the 1989 meeting on "The Resurgence of Certain Seedborne Diseases" with two subheadings with the first covering the epidemiology of specific resurgent diseases, and second, the use of molecular techniques to fill epidemiological data gaps. In addition, it was approved to submit as cosponsor with the Epidemiology Committee a discussion on the dispersal of plant pathogens. The committee voted unanimously to support the proposed theme of Science Education for the 1990 meeting. They also cautiously approved the exploration of the use of videotape and other electronic forms of communication as mechanisms for dissemination of information at annual meetings. The committee rejected the concept of any further limitations on the number of symposia, discussions, colloquia, workshops, etc., at the annual meeting. The new chairman for 1989 is Hasan Bolkan, the vice-chairman for 1989 is Norm Schaad, and the vice-chairman-elect for 1990 is Fred Saettler.—*Ron Gitaitis*

Soil Microbiology and Root Disease Committee. The committee meeting was attended by 13 members and 11 guests. Four new members were welcomed to the committee and the three members rotating off the committee were thanked for their participation over the last 3 yr. The committee sponsored a colloquium entitled "New Findings and the Role of *Pythium* in Root Diseases" organized by David Shew.

A subcommittee consisting of L. L. Singleton, J. D. Mihail, and C. Rush led a discussion on the status of the book entitled "Methods for Research with Soilborne Phytopathogenic Fungi." A tentative table of contents was presented for discussion and

suggestions for authors for the various chapters were solicited. The subcommittee has agreed to serve as editors for the book and will present their proposal to APS Press early in 1988. Support for preparation of the book as a committee project was unanimous.

J. Mihail reported on the updated directory of workers concentrating on root pathogens that was sent to Dr. Hornsby who is chairman of the ISPP Committee on Soilborne Plant Pathogens. No details were known as to the future distribution of the compiled list of researchers located throughout the world.

The committee did not feel any changes were necessary in the APS program in regard to program length. Fewer special sessions, colloquia, discussion sessions, etc., should be considered.

The committee discussed program topics for future meetings during the remainder of the meeting. S. Lyda and C. Rush proposed a symposium be held on the first 100 years of research on *Phymatotrichum* root rot of cotton. The program would be developed by S. Lyda.

Carol Windels, John Menge, and Don Ferrin will serve as chairman, vice-chairman, and vice-chairman elect for the 1988-1989 year.—*David Shew*

Tropical Plant Pathology Committee. Fourteen committee members attended the committee meeting. Chairman Steve Garnsey called the meeting to order and reviewed the agenda. The minutes from last year's meeting were read, and the slate of officers was reviewed. Pete Timmer was elected vice-chairman, so the composition of the officers will be as follows after the meetings in San Diego: Chairman, Jose Amador (1988-1989), Vice-Chairman, Pete Timmer (1989-1990), and Immediate Past Chairman, Steve Garnsey.

The current membership was discussed, indicating those to be rotated off and the new appointees. It was indicated that, due to the size of the present committee, there were persons on a waiting list. Nevertheless, Chairman Garnsey reminded everyone of the need to identify potential candidates willing to be active in the committee. Pete Timmer should be reappointed to the committee. Four additional appointees will be needed to maintain committee size. Chairman Garnsey commented on things the committee needs to do to remain a viable and effective part of the Society. Overall, the committee has been active, having sponsored, cosponsored, and participated in several programs at the last three annual meetings. As an example, the colloquium on Monday afternoon: "Management of Disease Resistance in Harvested Fruit and Vegetable" was mentioned, it being cosponsored by the TPCC and the Postharvest Pathology and Mycotoxicology committees.

Next item of discussion was the symposium to be sponsored by our committee on Low Input Sustainable Agriculture (LISA). This idea has been around for some time, having been first suggested at the Orlando meeting under the title: "The Role of Plant Pathology in Small Farm Cropping Systems in the Tropics." It was hoped at that time that the program could be included in the San Diego meetings. However, due to new developments, it was agreed that not even the Richmond meeting in 1989 would be appropriate but that it should be presented at the 1990 meetings in Grand Rapids. Much discussion followed on the symposium title and the committees that could be invited as cosponsors. The following title was agreed upon for the symposium: "Sustainable Agriculture: Low Input Systems in the Tropics and Plant Diseases." The following committees were suggested as cosponsors: Office of International Programs, Biological Control, Chemical Control, and Soil Microbiology and Root Diseases.

Possible speakers were discussed, with Racel Moreno (CIAT) and Dave Thurston (Cornell) being mentioned. A meeting on LISA held in Ohio was also discussed, and it was suggested that some of their speakers could be used in the symposium. Chairman Garnsey stated that the main function of the TPCC in having this symposium will be to sensitize the membership of APS to the problems and opportunities of tropical agriculture and to contrast the differences between the United States and other nations, particularly those in the tropics. Thurston indicated that whereas less than 2% of the U.S. population is involved in agriculture, the figure is as high as 50% in countries such as Colombia. Lack of

research and extension support dealing with crops involved in small farms is the rule. Most research activities are related to production of large plantation crops such as coffee, banana, sugarcane, tea, and cocoa. What should be the role of plant pathologist and plant disease control in these low input systems? The answer to that question should be the main goal of our symposium. Better understanding of these systems will benefit all agriculture, including that in the United States. Chairman Garnsey next reviewed a program on topical plant pathology conducted at the 5th International Congress of Plant Pathology, Japan. Copies of the topics and speakers were distributed among members.

A form was distributed among attendees to include biographical and professional information on members of the TPPC. It is hoped to add this information to an existing computer database to serve as a source of information on persons interested in tropical plant pathology who are willing to actively participate in the affairs of APS. Over the years, such lists will be useful to officers of APS and other interested persons wanting to identify such resource persons.

The status of the revision of the slide set on tropical diseases, or better yet, diseases of tropical crop, was next discussed by Jose Amador. A survey conducted indicated the desire of the committee members to divide this set into five subsets to be as follows: diseases of root and tuber crops, diseases of tropical trees, diseases of fruit crops, diseases of plantation crops, and diseases of temperate and semitropical crops occurring mainly in the tropics. The formal request for authorization to publish the slide sets will be made this year to the APS Press Illustration Committee, together with the submission of a proposal syllabus.

The role of International Programs and other committees that would impinge on the activities of the TPPC was discussed next. A resolution passed at the meeting of the Committee on International Activities, resolving to make that committee a policy subcommittee of the OIP was discussed. It was strongly agreed, however, that the TPPC should remain a separate and independent committee with strong identification and dealing mainly with subject matter items rather than being primarily concerned with international topics. It is realized, however, that because of the tropical nature of the subject matter, many activities of the TPPC will relate to international issues.

Ethel Dotky asked that members of the TPPC assist in identifying resource persons willing to conduct workshops, training sessions, and special programs dealing with different groups of pathogens and/or techniques of recent development that could be used to teach persons from undeveloped countries the art of diagnosing plant diseases. As chairman of a subcommittee of the OIP on professional development, as well as a member of the TPPC, she is willing to provide leadership in such endeavor, seeing that the membership of the TPPC could provide many of these resource persons.

With no further business to discuss, the meeting was adjourned by Jose Amador, new chairman of the TPPC.—*Jose Amador and Steve Garnsey.*

Virology Committee. The committee convened, with six members and 30 guests in attendance. R. Jordan was elected as vice-chairman for the 1990 meeting of APS. R. French, S. Grey, T. Gormen, E. Podleckis, and R. Gergerich joined the committee as new members.

The committee sponsored a discussion entitled, "Application of detection technology to disease diagnosis," at the 1988 meeting. The committee voted to proceed with a program on "Application of viral vectors to the transfer of genes into plants." A program of "Structure and function of plant viral genomes and their satellites" was approved by the committee for presentation at the 1990 meeting pending approval by APS.

Other matters that were addressed during the committee meeting included: 1) an update on the progress of the Plant Virus Slide Sets; 2) the announcement that a serology manual tentatively entitled, "Serological Detection and Identification of Plant Viral and Bacterial Pathogens: A Laboratory Manual" (Hampton et al, eds.) will be published in 1989; 3) an update on the plant pathogen risk assessment ad hoc committee; 4) an update on the potential use

and distribution of various databases in relation to plant virology; 5) a report on the detection workshop held at Riverside before the San Diego meeting; 6) changes at the ATCC collection; and 7) the committee decided to proceed with sponsoring, when possible, an activity at each national meeting.—*J. L. Sherwood*

REPORTS OF SPECIAL AND AD HOC COMMITTEES

Ad Hoc Committee on Biotechnology Regulation Impact Assessment. At the committee meeting, members present were D. Coplin, J. Lindemann, A. Vidaver, A. Rossman, L. S. Loesch-Fries, D. MacKenzie, S. Spencer, and S. Tolin (*ex officio*). The committee reviewed the status and content of proposed guidelines and rules that will enter the comment phase this year. These are the USDA Guidelines for Biotechnology Research Outside the Laboratory and EPA regulations under FIFRA and TSCA for release of microorganisms into the environment. Concern was expressed for the breadth of the proposed EPA regulations. Also discussed were the APHIS Final Rule and the addition to the NIH Guidelines for Recombinant DNA of an appendix on greenhouse/whole plant containment. The committee voted to request that Council change its status to a Special Committee. The charge to the committee was reviewed and agreement was reached on the following functions: 1) serve as a focal point for assessing the impact of biotechnology regulations on plant pathology research; 2) assist Council in preparation of position statements on biotechnology regulations; 3) educate the membership on current regulations and their obligations under them; 4) alert the membership to proposed regulations and their potential impact on agricultural research and offer guidance on the preparation of effective comments; 5) explore approaches to assure that guidelines and regulations are appropriate to the risk of the experiment; and 6) provide liaison with federal agencies and other professional societies. A subcommittee was appointed to prepare a survey to determine how many plant pathologists would like to field test genetically modified microorganisms and if regulations are a significant barrier to this research. It was decided that the committee should prepare an article for *Phytopathology News* on the proposed USDA guidelines and EPA regulations and how members can prepare effective comments. As the notices for public comment appear in the Federal Register, department chairmen and Experiment Station directors should be notified by letter. The committee also decided to request use of the APS electronic bulletin board to disseminate up-to-date information on regulations and guidelines, initiate a dialogue on regulatory issues, answer members' questions, and share experiences on application procedures and problems. L. S. Loesch-Fries was elected vice-chairman.—*D. Coplin*

Ad Hoc Member Survey Committee. The committee completed the writing of the survey questionnaire, with added sections addressing the issues of demographics and general member satisfaction, by early summer 1988. The survey was mailed to the entire membership in July. By October 1988, 2,080 completed forms (representing approximately half of the members) had been received at APS headquarters, and answers were entered into the computer by APS staff. Preliminary analyses documented the answers and percentages in the original survey format. The responses were also divided into those of males vs. females, and those of younger members (35 yr or younger) vs. older members (over 35). These results were presented to APS Council at the annual meeting in San Diego. Council requested that the committee remain active and assist with the continued analysis and publication of results in the form of columns for *Phytopathology News* and a poster at the 1989 annual meeting.—*Jacqueline Fletcher*

REPORTS OF DIVISION COUNCILORS

Caribbean Division. The XXVIII annual meeting of the

Caribbean Division was held in the Island of San Andres, Colombia, September 14–17, 1988.

A total of 75 persons registered for the 3-day meeting. The beginning of the meeting was delayed by one-half day due to the passage of Hurricane Gilbert through the Caribbean, which resulted in many flights being delayed. Nevertheless, the consensus was that the meeting was one of the best ever.

A total of 51 abstracts were published in the proceedings, which were presented to all participants at the time of registration. Not all of these papers were presented at the meetings, due to the cancellation by some participants of their travel plans. Most were discussed, however, with good participation and discussion by those present.

In addition to these papers, four special sessions were presented by invited speakers. These four sessions were as follows: Biotechnology, by Roger Beachy; Biocontrol of cassava diseases, by J. C. Lozano; Application of biotechnology to the control of plant viruses in tropical crops, by Charles Nibbet; and Management of Sigatoka diseases in banana with systemic fungicides, by C. A. Shillinford and R. E. Cancelado.

There were also two student papers presented that won the first young professional award. This award was instituted to reward young professionals, with 5 yr or less of experience, who make a good contribution by presenting a good paper before the meeting for evaluation. Two students had their expenses paid by the Division in cooperation with Avianca, the Colombian airline.

The business meeting was well attended, and a lively discussion kept the interest of those attending high. I reported on the activities of the parent society, summarizing many of the discussions held at the mid-year meetings held in St. Paul. One of the first items of discussion was the date of future meetings, including this year's meetings in San Diego. The members voted to support the proposal of hosting the 1994 annual meetings of APS in conjunction with the Caribbean Division in a country in Latin America. Since Mexico had been proposed by the Mexican Society of Phytopathology, it was voted to support Mexico as the site for 1994, with the city being decided at a later time.

Another item of interest was the cost of publishing the abstracts of the papers presented in the Caribbean Division in *Phytopathology*. It was approved to have the Division work out internally the problems of cost, currency exchange, etc., and paying the regular price of publication. Therefore, the Division will pay for all abstracts and collect reimbursement from authors.

The plans for next year's meetings were discussed. The meetings will be held in July in Cali, Colombia. It will be a congress, held in cooperation with the Colombia Association of Phytopathology and the Latin American Association of Plant Pathologists. It is hoped that the meetings will attract more than 300 participants.

Another item of discussion was a proposal to form a Federation of Associations of Phytopathology in America. The Federation will be composed of associations, such as APS, the Mexican, Colombian, Costa Rican, and other national Societies, the Latin American Association of Plant Pathologists, etc. It will be patterned similarly to the European Federation of Plant Pathologists. Its purpose will be to bring closer together all the different associations in the United States, Mexico, Central America, the Caribbean, and South America. I was requested to discuss this item with Council at the meetings in San Diego.

The coordination of programs of international nature was another topic of discussion. It was often mentioned that many countries in Latin America would like to know of the different opportunities available in the parent society that are international in nature, but fail to do so because of the lack of a central "clearing house." I was also requested to discuss this item with Council at the San Diego meetings.

A proclamation was made in behalf of Dr. Guillermo Galvez for the many years of dedicated service to the Division, having been one of the founders and most enthusiastic promoters, serving as secretary-treasurer for more than 15 yr and as president this past year. A plaque will be presented to him at a special ceremony during the meetings in Colombia next year.

All in all it was felt that the meetings were well attended, the

papers presented of good quality, the discussion lively, and the business meeting very productive. The Division is active, and the membership wants to keep the momentum going to achieve greater goals.

Doug Maxwell, Councilor-at-Large, represented the parent society at the meetings. He interacted well with members and students, participated in all sessions, including the business meeting, and presented a discussion on his research that was very well received.—*Jose M. Amador*

North Central Division. The Division meeting was held at Purdue University, West Lafayette, Indiana on June 22–23, 1988. One-hundred thirty-eight scientists attended. The theme of the meeting was Integrated Pest Management. Invited speakers at the plenary session were Drs. P. Larsen, University of Minnesota; S. T. Nameth, Ohio State University; R. X. Latin, Purdue University; and T. D. Wyllie, University of Missouri.

There were 29 contributed papers and three posters presented. Two awards were presented for the best papers among ten graduate student papers entered in the competition. First place was awarded to John M. Headrick from the University of Illinois, and second place was awarded to Douglas Cook of the University of Wisconsin. The awards consisted of certificates and a cash prize.

The Outstanding Plant Pathologist Award, also consisting of a certificate and a cash prize, was presented to Daniel F. Millikan, University of Missouri, for his contributions to the Division and to APS.

A workshop on diagnostic techniques and field tours was conducted in addition to the paper presentations and other speakers.

At the business meeting, North Central Division Councilor Melvyn Lacy and APS President Al Weinhold discussed past activities of Council and future concerns of the Division and the Society. Division officers elected for 1988–1989 were William Willis, Kansas State University, president, and Christine Stephens, Michigan State University, vice-president. Carol Windels, University of Minnesota, continues as Secretary-Treasurer, and Mel Lacy continues as Division Councilor.

The 1989 meeting of the Division will be held at Kansas State University, Manhattan, KS, on June 19–21. William Willis is local arrangements chairman.

In addition to these activities, the Division Councilor participated in the evaluation of the promotional videotape produced by APS by high school science instructors and others.—*M. L. Lacy*

Northeastern Division. The Division held its 48th annual meeting September 28–30, 1988, at the Sheraton Sturbridge Resort and Conference Center, Sturbridge, MA. There were 151 persons registered, including 42 students. Fifty-eight papers were presented (abstracts submitted), of which eight were judged for the Graduate Student Presentation Award.

President-Elect Don Mathre attended our meeting. At both the business meeting and the banquet Don reviewed the events to take place at San Diego and also reported on other activities and concerns of the Society. One symposium, sponsored by the Division Symposium Committee (D. B. Schroeder, chairman), was held: Perspectives on Forest Health in the Northeast—Concepts, Notions and Mechanisms of Pathology. Speakers were Dave Houston, Paul Manion, William Smith, Dale Bergdahl, and Walter Shortle. The first three speakers each presented their "Personal perspectives on past, current and future status of forest health." Bergdahl and Shortle presented papers on specific topics. Their respective papers were entitled "The role of root invading fungi in the deterioration of spruce/fir on White Face Mountain" and "The role of induced nutrient deficiencies in the decline of red spruce." John Skelly organized the symposium and summarized the presentations.

The Extension Committee met (Julie Carroll, chairman) with six states reporting (Connecticut, New Hampshire, New Jersey, New York, Massachusetts, Pennsylvania). The drought (and its effects) was the major topic of concern. The new chairperson is

Rob Wick, University of Massachusetts; the new Secretary is Bruce Clark, Rutgers.

President Gary Hergstrom presided at the business meeting. No contention issues surfaced. The new officers of the Northeastern Division are: President, Dale Bergdahl, University of Vermont; Vice-President, Stephen Johnston, Rutgers; Secretary-Treasurer, David Pieczarka, Agway; Councilor (San Diego), Stanley Pennypacker, Pennsylvania State; Councilor Elect, Ken Hickey, Pennsylvania State.

The 1989 NED-APS meeting will be held at The Penn State Sheraton, State College, PA (Penn. State hosting) on November 1-3, 1989. In 1990, we will meet November 7-9 somewhere south of Hartford, CT; in 1991, somewhere in New York.

The Northeastern Division Award of Merit was presented to Lloyd Edgington, Guelph. I. A. Zabalgoeazcoa, Pennsylvania State University, was the recipient of the Graduate Student Presentation Award for the paper "Double-stranded RNA in healthy barsoy barley" with F. E. Gildow; S. Bertrand, University of Laval, Quebec, received Honorable Mention for the paper "Use of protein A-gold technique for ultrastructural localization of abscisic acid in diseased and healthy roots of tomato plants" with N. Benhamou. Frank Manzer was presented the Agway Award. This is a new award designed to "honor division members whose applied plant pathology research efforts have directly benefitted northeast farms."—*David R. Houston*

Pacific Division. The Division held its annual meeting in San Diego in conjunction with the APS national meeting. The 1989 meeting of the Division will be February 5-8 in Corvallis, OR. Officers are S. M. Mircetich, president; M. E. Stanghellini, president-elect; J. D. MacDonald, secretary, and M. L. Powelson, councilor.—*Joseph M. Ogawa*

Potomac Division. The 45th annual meeting of the APS Potomac Division was held March 30-April 1 at Frederick, MD; hosts were USDA's W. M. Dowler and M. R. Bonde. About 135 scientists attended, with the presentation of 33 papers and 6 posters; 10 papers were in graduate student competition, and the winners were Juliet M. Marshall, University of Delaware, and Anne E. Bird, University of Maryland. Evening discussion sessions included "Extension-Industry Interaction" and "Relationship of National and International Germplasm Collections to Plant Pathology." Distinguished service awards were presented to Raymond E. Webb, Theodor Diener, and William J. Zaumeyer (the first Potomac Division president). The Division has about 225

members, and the officers are R. B. Carroll, president, G. A. Bean, vice-president, S. Hurtt, secretary/treasurer, and R. J. Stipes, councilor. Outgoing president was W. L. MacDonald. The 1989 meeting will merge with the annual APS meeting in Richmond in August.—*R. J. Stipes*

Southern Division. The Division held a very successful annual meeting at the Embassy Suites Hotel in McAllen, TX, March 6-9, 1988. Facilities were excellent. The meeting was hosted by the Department of Plant Pathology and Microbiology, Texas A&M University, and arranged by plant pathologists at the Agricultural Research and Extension Center, Weslaco, chaired by Marvin Miller. The meeting was presided over by Kenneth Conway, president. There were 120 registered attendees.

The Southern Division was pleased to have Al Weinhold, president of APS, in attendance for the entire meeting. He spoke to the membership on the topic "The State of the American Phytopathological Society."

Nine graduate students presented papers in the Graduate Student Award Competition. The first place award of \$100 and a certificate was presented to Kerry O. Britton of the University of Georgia for her paper entitled, "Infection of peach buds by *Botryosphaeria obtusa*." Coauthor was Floyd F. Hendrix. The second place award of \$50 and a certificate went to L. F. Arauz of North Carolina State University for his paper, "Temperature and wetness duration requirements for apple infection by *Physalospora obtusa*." Coauthor was T. B. Sutton.

Robert W. Toler, plant pathologist/virologist in the Department of Plant Pathology and Microbiology, Texas A&M University, received the Outstanding Plant Pathologist award.

Thirty-nine posters were presented by members of the Division.

Other highlights of the program included a general tour of the Rio Grande Valley, including visits to various parts of the agricultural industry and the station at Weslaco; a very popular "Adopt a plant pathologist day," which was small group tours with guides to the vegetables, ornamentals, and citrus production areas of the Rio Grande Valley; and three feature presentations.

Two states exceeded 100 members in the Division for 1988: North Carolina (104) and Florida (101).

Officers for 1988 are Joe Dickerson, Clemson University, president; Claude Thomas, USDA/ARS, Charleston, SC, vice-president; Lee Campbell, North Carolina State University, secretary-treasurer; and Jim McGuire, Mississippi State University, councilor.