Thor Kommedahl, Neil Anderson, Howard Bissonnette, and Elwin Stewart, 1983.

President 1985
J. L. Lockwood

1985 NADPH-dependent reactive oxygen generating system in potato tubers is shown to be associated with resistance to *Phytophthora infestans*. The work stimulates considerable interest in active oxygen species and signaling during defense induction.

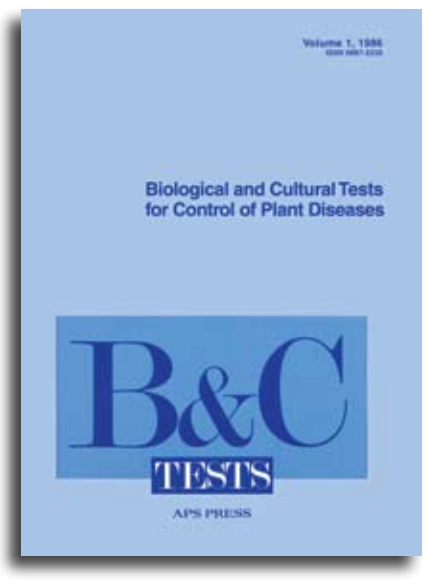
1985 First description of the *Cauliflower mosaic virus* 35S promoter as a constitutive promoter to drive foreign genes

1985 The structure of victorin is elucidated—a host-selective toxin of *Cochliobolus victoriae*

1986 APS Foundation is formed. Its mission is to provide financial support for student travel to meetings and for research, education, and special projects.

President 1986
L. Sequeira

1986 Office of International Programs (OIP) is formed at the APS annual meeting in Orlando, FL. This office was formed to promote worldwide interaction among plant pathologists and other scientists.



1986 *Biological and Cultural Tests* is initiated by APS. This publication was started to provide a source for publication of nonchemical plant disease management findings. The first editor was J. R. Hartman.

1986 Discovery of bacterial hypersensitivity and pathogenicity (*hrp*) genes. Gene cluster in *Pseudomonas syringae* pv. *phaseolicola* controls pathogenicity on bean plants and hypersensitivity on nonhost plants.

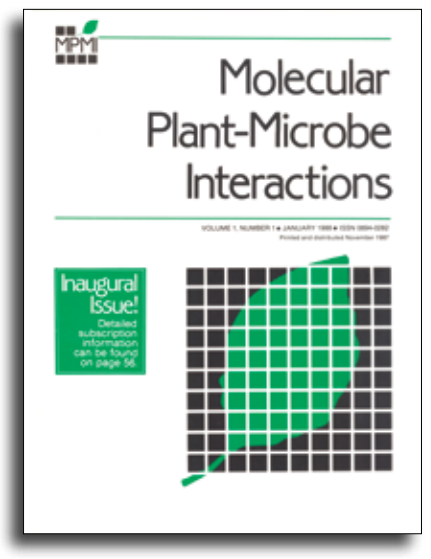
President 1987
A. K. Vidaver

1986 First coat protein-mediated resistance—TMV on tobacco

1987 First APS student travel awards

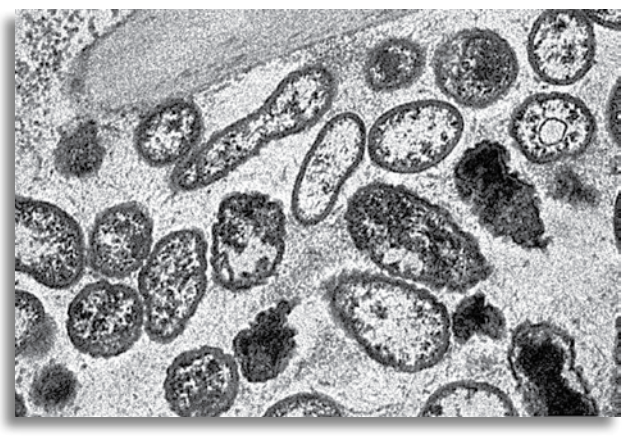
1987 First release of genetically engineered bacterium in the U.S.—*Pseudomonas syringae* ice(–). This release was very controversial for fear that introducing this bacterium into the environment would cause permanent disruption to the ecosystem.

1987 Discovery of defective-interfering RNA in viruses



1987 *Molecular Plant-Microbe Interactions* (*MPMI*) journal is launched. This was a joint venture with the International Society for Molecular Plant-Microbe Interactions. G. Bruening was the first editor-in-chief.

1987 Germ tubes of the bean rust fungus (*Uromyces appendiculatus*) are discovered to accurately sense the "lips" of host stomates and initiate development of appressoria. This work and many related findings show that fungal pathogens have evolved sensitive mechanisms for identifying and attacking host plants.



1987 The taxon *Xylella fastidiosa* is established for xylem-limited, fastidious bacteria

President 1988
A. R. Weinhold

1988 First avirulence gene from a fungus is isolated—*avr9* from *Cladosporium fulvum*