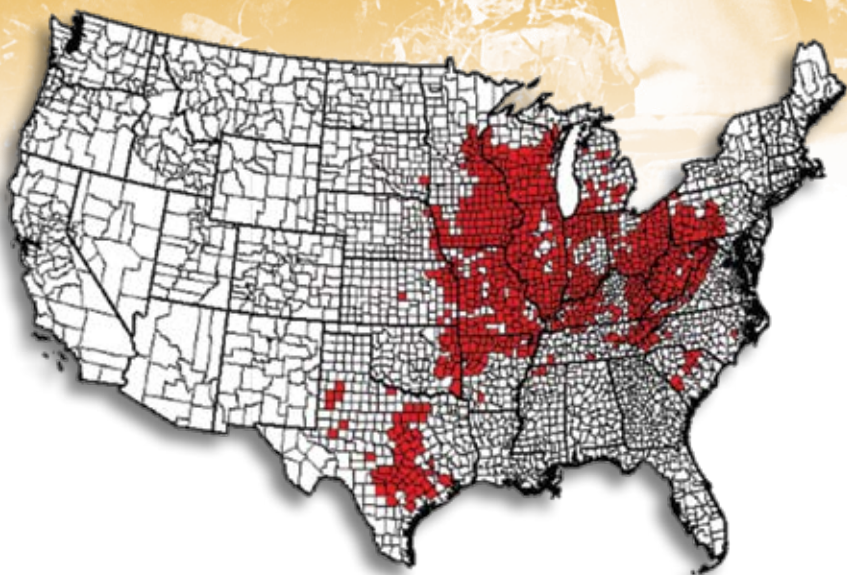
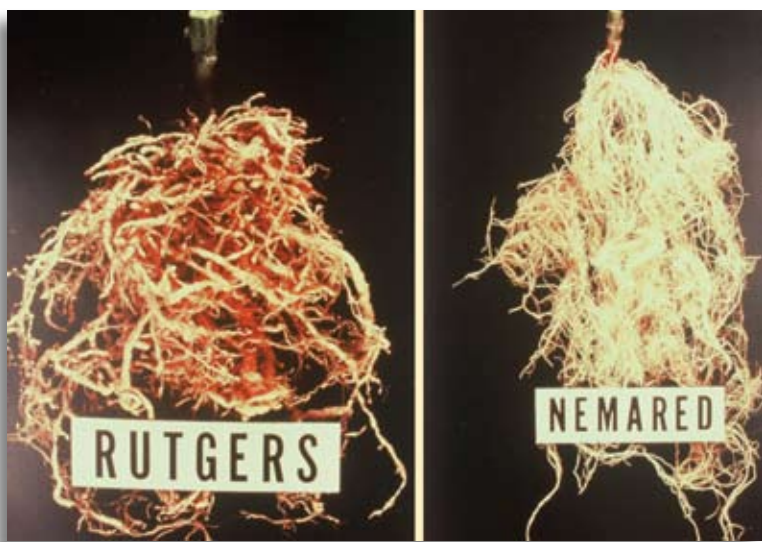


North Carolina State University scientists J. C. Nisbaum (right) and J. C. Wells (center) with tobacco grower diagnosing tobacco disease problem.



1944 Oak wilt is discovered in Wisconsin. This disease, caused by *Ceratocystis fagacearum*, has spread throughout the Midwest of the U.S., causing widespread damage and death to oak stands. Oak wilt is believed to have originated in the eastern U.S. but, in recent decades, has become more of a problem due to the wounding of trees as a result of home construction.



1944 First root-knot resistance in tomato (hybrid) derived from a wild tomato species (*Lycopersicon peruvianum*)



President 1945
H. B. Humphrey



President 1946
J. H. Craigie



President 1947
A. J. Riker



President 1948
R. S. Kirby

1945 APS begins to offer Sustaining Associate membership. Two companies became Sustaining Associate members in 1945—Rohm and Hass, Philadelphia, PA, and E. I. du Pont de Nemours, Delaware.

1945 Introduction of the Horsfall/Barratt scale that “accelerated data taking to a usable level” rests on human perception rather than on particular diseases. Dependence of visual acuity on the logarithm of stimulus, first from 0 to 50% diseased and then from 50 to 0% healthy, set their scale.

1946 Introduction of chemotherapy to plant pathology for control of Dutch elm disease. More than 100 organic chemicals were injected into infected elm trees in an attempt to reduce the rate of or arrest the disease.

1947 North Central Division formed

1947 First host-specific fungal toxin is described—victorin, produced by *Helminthosporium victoriae*, causing disease only on oat variety Victoria. The era of host-selective toxins begins and stimulates biochemical work to identify the function of toxins.

1948 First formal course in nematology—M. W. Allen, University of California, Berkeley

1948 Review of mycorrhiza and soil ecology. This article stimulated interest and investigations of rhizosphere fungi involved in mycorrhizal associations.

1948 The first *News* sheet is issued by APS in June. Starting in January 1951, this was incorporated into the *Phytopathology* journal.



Students with Robert Rorer, first professor of plant pathology at University of Arizona, late 1940's.