

Plant Disease

AN ADVANCED TREATISE

Volume I

How Disease Is Managed

EDITED BY

JAMES G. HORSFALL

ELLIS B. COWLING



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How Disease Is Managed

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Preface

"The time has come," the walrus said,

"To talk of many things:

Of shoes—and ships—and sealing wax—

Of cabbages—and kings—"

Lewis Carroll, in "Jabberwocky"

Yes, "the time has come" to discuss the new treatise on plant pathology—*Plant Disease: An Advanced Treatise*. We who edit it, those who have advised us, and those who are contributing to it address this Preface to our friends in plant pathology all over the world.

Without peradventure, plant pathology, as most sciences, has advanced enormously in quality and quantity during the 20 fertile years that have passed since the earlier treatise was organized in 1957. We all believe that the time has come to produce a new one from the exciting new concepts that have been burgeoning.

Although some people we consulted at the outset suggested that no additional books were needed to add to the plethora now coming out in plant pathology, most of it consists of review articles, texts, and specialty books, not advanced treatises. These units are valuable indeed; they are the building blocks for the edifice we are building—an integrated synthesis that we hope will meld all the specialties in plant pathology smoothly into a whole.

This five-volume treatise is intended for the advanced researcher in plant pathology, whatever his specialty may be. We hope that it will broaden his views, stimulate his thinking, help to synthesize still newer ideas, and help to relate the unrelated. We hope that we have not been myopic, that we have used "long-distance spectacles" that will give some clues as to where we are headed, not just where we have been.

This is an international work. Its preparation would not have been possible without the willing and able participation of many people from all over the globe. Before we began we visited and obtained advice from colleagues in our own institutions and in the University of Florida, Iowa State University, Michigan State University, and the University of Wisconsin.

We have had especially good advice from a group of distinguished plant pathologists who comprise our Advisory Board: Shigeyasu Akai, Durward

F. Bateman, R. J. W. Byrde, I. A. M. Cruickshank, Friedrich Grossmann, Arthur Kelman, Zoltán Király, S. H. Ou, S. P. Raychaudhuri, and J. G. ten Houten, and we are grateful to them.

The chapters have been written by an equally distinguished group of plant pathologists, who also bring international representation to the work.

We thank them all.

James G. Horsfall
Ellis B. Cowling

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