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*Second edition*

J. H. Burnett

This was the first text to depart from the traditional taxonomic treatment of the fungi and deal with the general features of the group as a whole. Over the last ten years it has established itself as a standard text and has been influential in changing the direction of mycological teaching.

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'Unquestionably this book is a valuable addition to the few on plant viruses and will be welcomed especially by the small band who teach the subject at English-speaking universities.' – Nature

'Gibbs and Harrison have done an admirable job of condensing the field into coherent and readable form. The book covers plant virology thoroughly, giving the reader a good feeling for what those within the field consider important... The book is both a useful reference for the specialist and the best available text for teaching a graduate-level course. As a text its well-organized format and discussion of fundamental principles are particularly good.' – American Scientist

This modern exposition of plant virology aims to describe the framework of knowledge about plant viruses and to outline the methods used in obtaining this knowledge. The numerous illustrations include superb electron micrographs – many of them original – and other photographs as well as numerous line diagrams. Thus the framework of the subject is provided and much practical information on how plant viruses can be studied is given.

The authors provide over a thousand references to material in research papers. This bibliography itself will be of great interest for it provides a synthesis of the material published in many journals across the special areas of virology, agriculture, botany, plant pathology, biochemistry, entomology, immunology, radiation research, molecular biology, nematology, plant protection, biophysics and electron microscopy. Thus the volume will be essential reading for all those working with plant viruses and teaching courses in plant virology.

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Plant pathology is an area in which significant advances are continually being made. This reflects the perennial interest of agricultural and horticultural microbiologists in plant diseases and in the relationship between the causative organisms and the environment. This book records the proceedings of a Demonstration Meeting of The Society for Applied Bacteriology, at which the participants exhibited techniques that they had developed and found useful in the study of plant pathogens. They discussed both techniques for use in field study and others that are more suited to the research laboratory. Some of these methods are completely new and could be used in different circumstances and in the study of other species. The detailed descriptions of research methods, together with the wide range of topics discussed, make this book an important aid for anyone studying the relationship between plant pathogenic organisms and their hosts. This includes plant pathologists, botanists, microbiologists, virologists, plant biochemists and toxicologists in industry and in academic research institutes. Contents include: B. M. Lund Bacterial Soft-rot potatoes. E. Billing Fireblight: the development of a predictive system. R. W. Polley Barley mildew infection periods.

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