

## Contents

<b>CRITERIA OF SPECIFICITY IN VIRUS—VECTOR RELATIONSHIPS.</b>	
<i>By Paul Oman . . . . .</i>	1
<b>FUNGI AS VECTORS AND HOSTS OF VIRUSES.</b> <i>By David S. Teakle.</i>	23
<b>NEMATODE VECTORS.</b> <i>By C. E. Taylor and C. H. Cadman . . . . .</i>	55
<b>WHITE FLIES AS VIRUS VECTORS.</b> <i>By A. S. Costa . . . . .</i>	95
<b>MITES AS VECTORS OF PLANT VIRUSES.</b> <i>By J. T. Slykhuis . . . . .</i>	121
<b>PLANT SUSCEPTIBILITY TO VIRUS INFECTION BY INSECT TRANSMISSION.</b> <i>By K. G. Swenson . . . . .</i>	143 ✓
<b>VIRUS TRANSMISSION BY APHIDS—A VIEWPOINT.</b>	
<i>By Edward S. Sylvester . . . . .</i>	159
<b>SPECIFICITY IN APHID TRANSMISSION OF A CIRCULATIVE PLANT VIRUS.</b> <i>By W. F. Rochow . . . . .</i>	175
<b>MECHANISM OF TRANSMISSION OF STYLET-BORNE VIRUSES.</b>	
<i>By Thomas P. Pirone . . . . .</i>	199
<b>MORPHOLOGY OF THE HOMOPTERA, WITH EMPHASIS ON VIRUS VECTORS.</b> <i>By A. R. Forbes and H. R. MacCarthy . . . . .</i>	211 ✓
<b>FAMILIES AND GENERA OF LEAFHOPPER VECTORS.</b>	
<i>By Tamotsu Ishihara. . . . .</i>	235 ✓
<b>NONPROPAGATIVE LEAFHOPPER-BORNE VIRUSES.</b> <i>By K. C. Ling . . . . .</i>	255 ✓
<b>RELATIONSHIPS BETWEEN PROPAGATIVE RICE VIRUSES AND THEIR VECTORS.</b> <i>By Teikichi Fukushi . . . . .</i>	279 ✓
<b>INTERACTIONS OF PLANT VIRUSES STRAINS IN THEIR INSECT VECTORS.</b> <i>By J. H. Freitag . . . . .</i>	303 ✓
<b>MAIZE VIRUSES AND VECTORS.</b> <i>By Robert R. Granados . . . . .</i>	327 ✓
<b>HOJA BLANCA.</b> <i>By Travis R. Everett and H. A. Lamey . . . . .</i>	361 ✓
<b>LOCALIZATION OF VIRUSES IN VECTORS: SEROLOGY AND INFECTIVITY TESTS.</b> <i>By R. C. Sinha . . . . .</i>	379
<b>ELECTRON MICROSCOPY OF INSECT-BORNE VIRUSES IN SITU.</b>	
<i>By Eishiro Shikata and Karl Maramorosch . . . . .</i>	393 ✓
<b>THE FATE OF PLANT-PATHOGENIC VIRUSES IN INSECT VECTORS: ELECTRON MICROSCOPY OBSERVATIONS.</b>	
<i>By Karl Maramorosch, Eishiro Shikata, and Robert R. Granados . . . . .</i>	417 ✓
<b>ELECTRON MICROSCOPY OF THE TRANSOVARIAL PASSAGE OF RICE DWARF VIRUS.</b> <i>By Socho Nasu . . . . .</i>	433 ✓

BIOASSAY OF PLANT VIRUSES TRANSMITTED PERSISTENTLY BY THEIR VECTORS. <i>By Robert F. Whitcomb</i> . . . . .	449 ✓
HEMAGGLUTINATION OF LEAFHOPPER-BORNE VIRUSES. <i>By Yasuo Saito</i> . . . . .	463 ✓
PLANT-PATHOGENIC VIRUSES IN INSECT VECTOR TISSUE CULTURE. <i>By Jun Mitsuhashi</i> . . . . .	475 ✓
INSECT DISEASES INDUCED BY PLANT-PATHOGENIC VIRUSES. <i>By D. D. Jensen</i> . . . . .	505 ✓
ISOLATION AND PURIFICATION OF VECTOR-BORNE PLANT VIRUSES. <i>By Myron K. Brakke</i> . . . . .	527 ✓
PURIFICATION OF SINGLE AND DOUBLE-STRANDED VECTOR-BORNE RNA Viruses. <i>By Naoji Suzuki</i> . . . . .	557 ✓
INHIBITION OF VIRUSES BY VECTOR SALIVA. <i>By Yasumichi Nishi</i> .	579 ✓
DISEASE CONTROL THROUGH VECTOR CONTROL. <i>By L. Broadbent</i>	593 ✓
REPELLING APHIDS BY REFLECTIVE SURFACES, A NEW APPROACH TO THE CONTROL OF INSECT-TRANSMITTED VIRUSES. <i>By Floyd F. Smith and Raymon E. Webb</i> . . . . .	631
AUTHOR INDEX . . . . .	641
SUBJECT INDEX . . . . .	659