

BIBLIOGRAPHIE DE LA MALADIE DE L'ORME EN AMERIQUE DU NORD
BIBLIOGRAPHY ON THE ELM DISEASE IN NORTH AMERICA

par

by

Lucien Papillon



COMMUNICATION
LABORATOIRE D'ENTOMOLOGIE ET DE PATHOLOGIE FORESTIERES

INFORMATION REPORT
FOREST ENTOMOLOGY AND PATHOLOGY LABORATORY

QUEBEC

CANADA

MINISTÈRE DES FORÊTS
DIRECTION DE L'ENTOMOLOGIE ET DE LA PATHOLOGIE FORESTIERES

DEPARTMENT OF FORESTRY
FOREST ENTOMOLOGY AND PATHOLOGY BRANCH

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Avant-propos

Depuis son apparition vers 1930 en Amérique du Nord, la maladie de l'érme a fait l'objet de nombreuses publications. Dès 1935, Ahrens et al.¹ ont compilé une première liste de références sur cette maladie, y compris celles parues en Europe. En 1937, Goss et Moses² ont révisé et mis à jour la bibliographie sur ce sujet. Enfin, en 1955, le personnel de la bibliothèque du ministère de l'Agriculture des Etats-Unis, section de Madison,³ a préparé une liste choisie de références sur cette question. Depuis, le nombre de publications n'a cessé de s'accroître, mais à l'exception des références données à la fin des articles scientifiques, il n'existe aucun répertoire complet des travaux sur cette maladie. Aussi, les chercheurs qui étudient ce problème éprouvent-ils le besoin pressant d'une bibliographie complète et plus récente.

La présente liste comprend seulement les travaux publiés en Amérique du Nord de 1930 à 1962 inclusivement. En outre, elle ne contient pas les publications sur les aspects purement entomologiques de ce problème, ni la plupart des articles de journaux et des feuilles de vulgarisation.

Cette bibliographie, présentée selon l'ordre chronologique, comprend un index des auteurs à la fin. Nous avons utilisé les abréviations généralement acceptées des revues et publications mentionnées.

Pour exécuter ce travail, nous avons pu retracer le plus grand nombre des publications citées. Elles se trouvent en grande partie dans les bibliothèques du laboratoire de Recherches Forestières, de la faculté d'arpentage et de génie forestier de l'université Laval, du ministère de l'Agriculture de Québec et enfin dans la collection personnelle de M. René Pomerleau, chef de la section de Pathologie du Laboratoire. Nous avons utilisé enfin les notes personnelles de MM. Marcel Lortie, R.J. Finnegan et Camilien Gagnon de la même institution.

1 Voir N°. 103

2 Voir N°. 161

3 Voir N°. 462

Foreword

Since the introduction of the Elm disease (usually known as the Dutch elm disease) in North America, around 1930, numerous publications have been issued on this subject. In 1935, a list of references on this disease, including all European papers, was prepared by Ahrens et al¹; in 1937, M.C. Goss and C.S. Moses² presented a revised bibliography on the subject; and in 1955, the Staff of the Library, the U.S. Dept. of Agriculture, Madison Branch³, prepared a short list of references. Afterward, the number of publications on the disease continued to increase, but no convenient reference list is available, except short ones at the end of many scientific papers. Therefore the need for an up to date bibliography was strongly felt by those engaged in the study of this problem.

The present reference list comprises only papers published in North America and covers the period from 1930 to 1962 inclusive. Furthermore, papers dealing only with the entomological aspects of the problem were excluded and almost all newspaper articles and popular bulletins were left out.

This bibliography is presented in chronological order, with a complete author index at the end. References are given in the form of abbreviations currently used in scientific journals.

As far as possible, we have seen the publications listed in this work, using the collection of the Library of this Laboratory, the Library of the Forestry School of Laval University, the Library of the Department of Agriculture of the Province of Quebec, the personal collection of Dr. René Pomerleau, Head of Pathology Investigations at this Laboratory, the personal notes of Dr. Marcel Lortie, Dr. R.J. Finnegan and Mr. Camilien Gagnon all of this Laboratory.

1 See no. 103

2 See no. 161

3 See no. 462

1. Metcalf, H. 1929. The Dutch elm disease. Natl. Shade Tree Cnfr. Proc., 5:60-61.
2. Anonymous. 1930. Dutch elm disease found in the United States. Plant Disease Repr. 14:183-184.
3. Buisman, C. 1930. The Dutch elm disease. Abstr. Phytopathology, 20:111-112.
4. May, C. 1930. Dutch elm disease in Chic. Science, 72:142-143.
5. _____ 1930. The Dutch elm disease. Natl. Shade Tree Conf. Proc., 6:91-94.
6. Metcalf, H. 1930. Dutch elm disease found in America. For. Worker, 6:12-13.
7. Verrall, A.F. 1930. Die-back of elm in Minnesota. Phytopathology, 20:1004-1005.
8. White, R.P. 1930. The Dutch elm disease. The Shade tree (N.J.), 3:2-7.
9. Anonymous. 1931. Elm trees threatened by new disease. Jour. Forestry, 29:959.
10. Beattie, R.K. 1931. The threat of the Dutch elm disease. Amer. For., 37:489.
11. Liming, O.N. 1931. The Dutch elm disease in America. Ohio For. News, 12:3-4.
12. Linder, D.H. 1931. Some diseases of elm trees. Mc. Bot. Gard. Bull., 19:61-69.
13. May, C. 1931. The Dutch elm disease. Ohio Agr. Exp. Sta. Bull. 470:65-67.
14. _____ 1931. A new elm disease. Plant Disease Repr., 15:143-144.
15. _____ 1931. A new elm disease. Science, 74:437.
16. _____ 1931. Recent study of the Dutch elm disease. Natl. Shade Tree Conf. Proc., 7:88-90.
17. _____ & G.F. Gravatt. 1931. The Dutch elm disease. U.S. Dept. Agr. Circ. 170. 10pp.

18. May, C. & O.N. Liming. 1931. A serious elm disease in Ohio. Ohio Agr. Exp. Sta. Bi-monthly Bull. 150:106-112.
19. _____ & O.N. Liming & T. Alexander. 1931. The Dutch elm disease in Ohio. Abstr. Phytopathology, 21:125.
20. Rankin, W.H. 1931. A new disease of elm. Natl. Shade Tree Conf. Proc., 7:79-82.
21. Beattie, R.K. 1932. The Dutch elm disease. Plant Disease Rept., 16:125.
22. _____ 1932. Susceptibility of American elms to the Dutch elm disease. Plant Disease Rept., 16:146-147.
23. Gravatt, G.F. & R.B. Clapper. 1932. Verticillium wilt of maple, ailanthus and elm. Plant Disease Rept., 16:96-98.
24. Harris, H.A. 1932. Initial status of American elm diseases in Illinois. III. Nat. Hist. Surv. Bull., 20:1-70.
25. Liming, O.N. 1932. The Dutch elm disease in America. Natl. Shade Tree Conf. Proc., 8: 111-113.
26. _____. 1932. Present status of the Dutch elm disease. Abstr. Phytopathology, 22:17.
27. May, C. 1932. Elm disease investigations. Ohio. Agr. Exp. Sta. Bull., 497:68-69.
28. Strong, F.C. 1932. The Dutch elm disease, a warning. Mich. Agr. Exp. Sta. Quart. Bull., 15:6-8.
29. Anonymous. 1933. Dutch elm disease. U.S. Dept. Agr. Yearbook of Agriculture 1933:71.
30. _____. 1933. The dreaded Dutch elm disease breaks out anew. Amer. nurseryman, 58:43.
31. _____. 1933. The Dutch elm disease in New Jersey. Science, 78:117-118.
32. _____. 1933. Dutch elm disease in New York. Amer. nurseryman, 58:58-59.
33. _____. 1933. Dutch elm disease in the United States this year. Plant Disease Rept., 17:156.

34. Anonymus. 1933. The Dutch elm disease. Science, Supp. 78:10.
35. _____. 1933. Quarantine against the Dutch elm disease. Science, 78:572-573.
36. _____. 1933. Some facts about the Dutch elm disease. Flcr. Exch., 81:18.
37. _____. 1933. United action urged against the Dutch elm disease. Flcr. Exch., 81:19-20.
38. Bannwart, C. 1933. A report of the Conference at Washington anent the Dutch elm disease. The Shade Tree (N.J.), 6:1-3.
39. Beattie, R.K. 1933. Diseases threatening ornamental and forest trees. Jour. Econ. Ent., 26:621-624.
40. _____. 1933. Dutch elm disease. The Davey Bull., 21:6-7.
41. _____. 1933. The Dutch elm disease. Plant Disease Rept., 17:167.
42. _____. 1933. The Dutch elm disease in New Jersey. The Shade Tree (N.J.), 6:1-2.
43. _____. 1933. How the Dutch elm disease reached America. Natl. Shade Tree Conf. Proc., 9:101-105.
44. _____. & G.F. Gravatt. 1933. Dutch elm disease (Graphium ulmi). Plant Disease Rept., Supp., 85:61.
45. Blackman, M.W. 1933. Insect vectors of the Dutch elm disease. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. Mimeographed. 4pp.
46. Dodge, B.O. 1933. The Dutch elm disease in a neighboring state. Jour. N.Y. Bot. Gard., 34:170-171.
47. Felt, E.P. 1933. Are our elms going? Tree Talk, 9:3-6.
48. _____. 1933. The Dutch elm disease (Graphium ulmi) and its control. Bartlett Tree Res. Lab., Educational Bull., 60:1-23.
49. Gravatt, G.F. & M.E. Fowler. 1933. Log interceptions at Norfolk in relation to the entry of tree diseases. Plant Disease Rept., 17:129-133.

50. Liming, O.N. 1933. Elm diseases in America. Abstr. Phytopathology, 23:21.
51. _____. 1933. Some facts about the Dutch elm disease. Amer. nurseryman, 57:56, 66.
52. May, C. 1933. The Dutch elm disease. The Shade Tree (N.J.), 6(8):1-2.
53. Miller, P.R., N.E. Stevens & J.I. Wood. 1933. Dutch elm disease (Graphium ulmi). Plant Disease Repr., Supp., 84:45.
54. Rankin, W.H. 1933. Outbreak of the Dutch elm disease. Gard. Chrcn. Amer., 37:343-344.
55. Stevens, N.E. 1933. The Dutch elm disease discovered in New Jersey. Intern. Bull. Plant Prot., 7:229-230.
56. _____. 1933. Known distribution of Dutch elm disease in the United States. Plant Disease Repr., 17:133.
57. _____. 1933. Spread and severity of the Dutch elm disease in Europe. Plant Disease Repr., 17: 117-118.
58. White, R.P. 1933. The Dutch elm disease in New Jersey. Natl. Shade Tree Ccnf. Proc., 9:105-110.
59. _____. 1933. The Dutch elm disease situation. The Shade Tree (N.J.), 6(12):2-3.
60. _____, C. May & R.K. Beattie. 1933. The Dutch elm disease in New Jersey. Plant Disease Repr., 17:107-109.
61. _____, _____ & _____. 1933. The Dutch elm disease in New Jersey and New York. Plant Disease Repr., 17: 115-117.
62. Woodward, C.H. 1933. Surveying for Dutch elm disease. Jour. N.Y. Bot. Gard., 34:222-224.
63. Anonymcus. 1934. No title. Science, 80:557-558.
64. _____. 1934. Connecticut creates committee on Dutch elm disease control. Amer. Fcr., 40:591.
65. _____. 1934. The Dutch elm disease. Science, 79:516-517.
66. _____. 1934. Elm diseases. N.J. Agr. Exp. Sta. Circ. 308.

67. Anonymcus. 1934. Elm diseases in New York and New Jersey. Science, 80:200.
68. _____. 1934. Destruction of trees by the Dutch elm disease. Science, Supp., 80:6-7.
69. _____. 1934. Present status of the Dutch elm disease. Plant Disease Reptr., 18:167.
70. _____. 1934. Prohibiting the importation into the Dominion of Canada of elms, elm logs or burls from all countries. (Regulation 17, foreign, 1st revision, effective May 9, 1934). P.C. 342 under the Destructive Insect & Pest Act, Canada.
71. Beattie, R.K. 1934. Advances in our knowledge of the Dutch elm disease. Natl. Shade Tree Conf. Proc., 10:76-78.
72. _____. 1934. Dutch elm disease found at Norfolk, Virginia. Plant Disease Reptr., 18:191.
73. _____. 1934. Dutch elm disease in Indiana. Plant Disease Reptr., 18:166.
74. _____. 1934. Dutch elm disease now serious around New York. U.S. Dept. Agr. Yearbook of Agriculture 1934: 188-190.
75. _____. 1934. The new outbreak of the Dutch elm disease. Jour. Econ. Ent., 27:569-572.
76. Chamberlain, J.E. 1934. To arms for the American elm. Amer. For., 40:195-199, 230-232.
77. Clinton, G.P. 1934. Dutch elm disease, Graphium ulmi. Conn. Agr. Exp. Sta. Bull., 358:305-306.
78. Dodd, H.J. 1934. The Dutch elm disease situation. The Shade Tree (N.J.), 7:3.
79. _____. 1934. Status of the Dutch elm disease in New Jersey. The Shade Tree (N.J.), 7:2.
80. Felt, E.P. 1934. Dutch elm disease and its control. Bartlett Tree Res. Lab. Circ. 8pp.
81. _____. 1934. Dutch elm disease control and the elm bark borer. Jour. Econ. Ent., 27:315-319.

82. Goss, R.W. & P.R. Frink. 1934. Cephalosporium wilt and die-back of the white elm. Nebraska. Agr. Exp. Sta. Res. Bull. 70. 24pp.
83. Jacot, A.P. 1934. Acarina as possible vectors of the Dutch elm disease. Jour. Econ. Ent., 27:858-859.
84. Kellerman, K.F. 1934. Control work on the Dutch elm disease in Connecticut, New York and New Jersey for the Winter and Spring 1933-34. Mimeographed. 3pp.
85. _____. 1934. Look for the Dutch elm disease. Plant Disease Rept., 18:113-114.
86. _____. 1934. Status of the Dutch elm disease. Plant Disease Rept., 18:101.
87. _____. 1934. Summary of the Dutch elm disease situation in the U.S.A. as of June 20, 1934. Mimeographed. 3pp.
88. Liming, O.N. 1934. The Dutch elm disease eradication program in the United States. Natl. Shade Tree Conf. Proc., 10: 67-72.
89. McCallum, A.W. 1934. The Dutch elm disease. Canada. Dept. Agr. Pamphlet (n.s.) 159. 7pp.
90. McLaine, L.S. 1934. The relation of entomology to the Dutch elm disease. Ont. Ent. Soc. Proc., 64:41-43.
91. May, C. 1934. Notes on the work of the Dutch elm disease laboratory. Natl. Shade Tree Conf. Proc., 10:73-75.
92. _____. 1934. Outbreaks of the Dutch elm disease in the United States. U.S. Dept. Agr. Circ. 322. 19pp.
93. Middleton, W. 1934. Engraver bark beetles attacking elm trees and associated with the Dutch elm disease. A memorandum for technical workers assigned to Dutch elm disease control operations. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. Mimeographed. 4pp.
94. Pack, C.L. 1934. Another American tragedy; elm trees threatened with death by Dutch elm disease. Amer. Tree Assoc. Leaflet. 8 pp.
95. Reynolds, H.A. 1934. The Dutch elm disease, a serious menace. Mass. For. & Park Assoc. Bull. 154. 8pp.

96. Tchen, L.R. 1934. Elm diseases in Illinois. Natl. Shade Tree Conf. Proc., 10:105-111.
97. U.S. Dept. Agr. Fight against elm disease in full swing in three states. Press release, Feb. 11, 1934. Plant Disease Repr., 19:14.
98. Welch, D.S., G.W. Herrick & R.W. Curtis. 1934. The Dutch elm disease. Cornell University. Agr. Exp. Sta. Ext. Bull. 290. 19pp.
99. White, R.P. 1934. The Dutch elm disease situation. Flcr. Exch., 83:19,21.
100. _____. 1934. The shade tree Commission and the Dutch elm disease. The Shade Tree (N.J.), 7(1):2-3.
101. Worthley, L.H. 1934. The present status of Dutch elm disease control activities in the United States. Public conference to consider the status of the DED, Washington, D.C., Dec. 5, 1934. 7pp.
102. Anonymus. 1935. Prove Dutch elm disease carried by bark beetle. Jcur. Forestry, 33:82-83.
103. Ahrens, W.E., M.A. Clark, R.F. True & W.M. Banfield. 1935. A list of references to literature on the Dutch elm disease. U.S. Dept. Agr. Bur. Plant Industry. Div. For. Pathology. Mimeographed. 29pp.
104. Beattie, R.K. 1935. Research during 1934 on Ceratostomella ulmi, the cause of the Dutch elm disease. Jcur. Econ. Ent., 28:528-531.
105. _____ & G.F. Gravatt. 1935. Dutch elm disease (Graphium ulmi). Plant Disease Repr., Supp., 85:61.
106. _____ & A.E. Verrall. 1935. The entry and movement of elm burl lgs. Plant Disease Repr., 19:11-14.
107. Britton, W.E. 1935. Another probable carrier of the Dutch elm disease. Conn. Agr. Exp. Sta. Bull., 368:256-257.
108. _____ & R.B. Friend. 1935. Insect pests of elms in Connecticut. Conn. Agr. Exp. Sta. Bull. 369:398.
109. Carter, J.C. 1935. A report on tests of fungicides for the control of elm diseases in nurseries. III. Nat. Hist. Surv. Div. Biol. notes 4. 7pp.
110. Clark, M.A. & R.K. Beattie. 1935. Misleading, unproven reports of Graphium ulmi in Burbank Plum. Plant Disease Repr., 19:148-150.

111. Clinton, G.P. & F.A. McCormick. 1935. The Dutch elm disease, Graphium ulmi, in Connecticut. Science, 81:68-70.
112. Collins, C.W. 1935. Insect vectors of the Dutch elm disease caused by the fungus Ceratostomella ulmi (Schwarz.) Buisman. Natl. Shade Tree Conf., 11:127-132.
113. Davis, W.H. 1935. A plant disease survey of trees and shrubs in western Massachusetts. Plant Disease Rept., 19:260.
114. Dodge, B.O. 1935. The situation regarding Dutch elm disease, the Japanese beetle and the gypsy moth at the Botanical Garden. Jour. N.Y. Bot. Gard., 36:247-252.
115. Faull, J.H. 1935. Can we eradicate the Dutch elm disease. Address before the Annual Meeting of the Massachusetts Forests & Park Association, Jan. 31, 1935.
116. Felt, E.P. 1935. Bark beetles and the Dutch elm disease. Jour. Econ. Ent., 28:231-236.
117. Filley, W.O. 1935. Dutch elm disease situation in Connecticut. Natl. Shade Tree Conf. Proc., 11:143-145.
118. Gage, G.R. 1935. The present status of the Dutch elm disease. Jour. Tenn. Acad. Sci., 10:83-85.
119. Irish, C.F. 1935. The Dutch elm disease. Parks & Recreation, 18:217-221.
120. May, C. 1935. Dutch elm disease. Plant Disease Rept., Supp., 90:99-100.
121. _____. 1935. The Dutch elm disease from the research standpoint. Natl. Shade Tree Conf. Proc., 11:122-127.
122. _____. 1935. A study of the life history of Ceratostomella ulmi in relation to the development and spread of the Dutch elm disease. Abstr. Diss. Ph.D., Chic. State University, 17:271-276.
123. Middletcn, W., W.D. Buchanan, C. May & J.M. Walter. 1935. Ceratostomella (Graphium) ulmi the cause of the Dutch elm disease, transmitted by Scolytus multistriatus. Abstr. Jour. Econ. Ent., 28:138.
124. Palmer, K.M. 1935. Dutch elm disease in Connecticut. Conn. Agr. Exp. Sta. Circ. 106. 8pp.
125. Rankin, W.H. 1935. Dutch elm disease, New York State. Natl. Shade Tree Conf. Proc., 11:138-142.

126. Readic, P.A. 1935. The entomological phases of the Dutch elm disease. *Jour. Econ. Ent.*, 28:341-352.
127. Rex, E.G. 1935. Local situation relative to Dutch elm disease. *Natl. Shade Tree Conf. Proc.*, 11:132-138.
128. Smucker, S.J. 1935. Air currents as a possible carrier of Ceratostomella ulmi. *Phytopathology*, 25:442-443.
129. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. 1935. Dutch elm disease eradication. *Plant Disease Rept.*, 19:237-238, 247-248, 259-260, 293, 303.
130. _____ 1935. Current information on Dutch elm disease. *Plant Disease Rept.*, 19:273.
131. _____ 1935. Present status of the Dutch elm disease. *Plant Disease Rept.*, 19:216-218.
132. Verrall, A.F. & T.W. Graham. 1935. The transmission of Ceratostomella ulmi through root grafts. *Phytopathology*, 25:1039-1040.
133. Walter, J.M. 1935. Technique advantageous for the isolation of Ceratostomella ulmi from bark beetles. *Abstr. Phytopathology*, 25:37-38.
134. White, R.P. 1935. Progress of Dutch elm disease eradication. *Plant Disease Rept.*, 19:270-273.
135. Worthley, L.H. 1935. The Dutch elm disease eradication project: federal, state and local cooperation. U.S. Dept. Agr. Circ. 353. 4pp.
136. _____ 1935. Status of Dutch elm disease eradication. *Natl. Shade Tree Conf. Proc.*, 11:111-121.
137. _____ & O.N. Liming. 1935. Dutch elm disease eradication in the United States. *Jour. Econ. Ent.*, 28:524-528.
138. Banfield, W.M. & A.L. Smith. 1936. Growth and distribution of Ceratostomella ulmi in tissues of elm. *Abstr. Phytopathology*, 26:86.
139. Becker, W.B. 1936. Insects concerned in the dispersal of Dutch elm disease. *Mass. Agr. Exp. Sta. Bull.* 327:50-51.
140. Clinton, G.P. & F.A. McCormick. 1936. Dutch elm disease, Graphium ulmi. *Conn. Agr. Exp. Sta. Bull.* 389:701-752.

141. Collins, C.W., W.D. Buchanan, R.R. Whitten & C.H. Hoffman. 1936. Bark beetles and other possible insect vectors of the Dutch elm disease Ceratostomella ulmi (Schwarz) Buisman. Jour. Econ. Ent., 29:169-176.
142. Faull, J.H. 1936. The viewpoint of the Arnold Arboretum on the Dutch elm disease. Arnold Arboretum. Bull. Pop. Inform., 4:15-20.
143. Filley, W.O. 1936. The Dutch elm disease situation. Conn. Woodlands, 1:11-12.
144. Graham, T.W. 1936. Persistence of Ceratostomella ulmi in stumps of eradicated Dutch elm disease trees in New Jersey. Plant Disease Rept., 20:320-322.
145. Kauffman, E. & A. Pfeffer. 1936. It can be done, says the National Conference on Dutch elm disease with adequate and unrestricted appropriations. Amer. For., 42:22-23, 43.
146. Jacot, A.P. 1936. Three possible mite vectors of the Dutch elm disease. Ann. Ent. Soc. Amer., 29:627-635.
147. May, C. 1936. Dutch elm disease. Plant Disease Rept., Supp. 96:257-258.
148. Rankin, W.H. 1936. Summary of the Dutch elm disease eradication project. Natl. Shade Tree Conf. Proc., 12:19-21.
149. Swingle, R.U. 1936. A preliminary note on sexuality in Ceratostomella ulmi. Phytopathology, 26:925-927.
150. True, R.P. & E.T. Miller. 1936. Dutch elm disease in dead and dying elms. Abstr. Phytopathology, 26:110.
151. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. 1936. Dutch elm disease eradication. Plant Disease Rept., 20:150, 178, 212, 294-295.
152. . 1936. Fight against Dutch elm disease continued through snow and sleet. Press release, March 9, 1936. Plant Disease Rept., 20:89.
153. . 1936. Miscellaneous notes on the Dutch elm disease. Plant Disease Rept., 20:322-323.
154. White, R.P. 1936. Status of the Dutch elm disease. Plant Disease Rept., 20:263-266.
155. Worthley, L.H. 1936. Progress in Dutch elm disease eradication. Jour. Econ. Ent., 29:176-181, 785-790.

156. Banfield, W.M. 1937. Distribution of species of wilt-inducing fungi throughout the vascular system of the elm by the sap stream. Abstr. Phytopathology, 27:121-122.
157. Beattie, R.K. 1937. The Dutch elm disease in Europe. Abstr. Phytopathology, 27:122.
158. _____. 1937. The Dutch elm disease in Europe. Amer. For., 43:157-161, 201.
159. Becker, W.B. 1937. Insects concerned with the dispersal of the Dutch elm disease. Mass. Agr. Exp. Sta. Bull. 339:56-57.
160. Felt, E.P. 1937. Balloons as indicators of insect drift and of Dutch elm disease spread. Bartlett Tree Res. Lab. Bull. 2:3-10.
161. Gross, M.C. 1937. A bibliography of the Dutch elm disease. U.S. Dept. Agr. Bur. Plant Industry. Div. For. Pathology. Rev. as to May 1937. Mimeographed.
162. Irish, C.F. 1937. Present status of Dutch elm disease in United States. Parks & Recreation, 20:332-333.
163. Liming, C.N. 1937. The Dutch elm disease eradication program; objectives, methods and results. Plant Disease Rept., Supp. 99:18-25.
164. McKenzie, M.A. & W.B. Becker. 1937. The Dutch elm disease, a new threat to the elm. Mass. Agr. Exp. Sta. Bull. 343. 16pp.
165. Readic, P.A., D.L. Collins, D.S. Welch, K.G. Parker & L.J. Tyler. 1937. The Dutch elm disease. Cornell University. Agr. Exp. Sta. Ann. Rpt. (1936), 49:100-101.
166. Smucker, S.J. 1937. Relation of injuries to infection of American elm by Ceratostomella ulmi. Abstr. Phytopathology, 27:140.
167. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. 1937. Dutch elm disease eradication. Plant Disease Rept., 21:276, 292, 309.
168. Walter, J.M. 1937. Variation in mass isolates and monocnidium progenies of Ceratostomella ulmi. Jour. Agr. Res., 54: 509-523.
169. _____ & C. May. 1937. Pathogenicity of a brown cultural variant of Ceratostomella ulmi. Abstr. Phytopathology, 27:142-143.
170. Banfield, W.M. 1938. Effect of nitrogen on inception and development of Dutch elm disease on American (Mcline) elm. Abstr. Phytopathology, 28:2-3.

171. Banfield, W.M. 1938. The relation of sap flow, vessel length, spore distribution to development of Dutch elm disease in American elm. Abstr. Phytopathology, 28:3.
172. Brewer, E.G. & W. Middleton. 1938. Dutch elm disease eradication. Jour. Econ. Ent., 31:577-580.
173. Collins, C.W. 1938. Two elm scolytids in relation to areas infected with the Dutch elm disease fungus. Jour. Econ. Ent., 31:192-195.
174. Collins, D.L. 1938. Feeding habits of Scolytus multistriatus Marsham with reference to the Dutch elm disease. Jour. Econ. Ent., 31:196-200.
175. Dodd, H.J. 1938. Current accomplishment in Dutch elm disease eradication. Natl. Shade Tree Conf. Proc., 13:150-159.
176. Faull, J.H. 1938. The Dutch elm disease situation in the United States at the close of 1938. Arnold Arboretum. Bull. Pop. Inform., 6:75-78.
177. May, C. 1938. The Dutch elm disease Ceratostomella ulmi (Schwarz) Buisman. Mass. For. & Park Assoc. Tree pest leaflet 23. 4pp.
178. _____ & C.W. Collins. 1938. The Dutch elm disease in the United States and its insect vectors. Western Shade Tree Conf. Proc., 5:49-54.
179. Smucker, S.J. 1938. Centrifugal movement of Ceratostomella ulmi in inoculated American elms. Abstr. Phytopathology, 28:19.
180. Verrall, A.F. 1938. The longevity of Ceratostomella ulmi in scils. Phytopathology, 28:763-765.
181. Becker, W.B. 1939. Insects concerned in the dispersal of the Dutch elm disease. Mass. Agr. Exp. Sta. Bull. 369. 65pp.
182. Friend, R.B. 1939. The Dutch elm disease situation in Connecticut. Eastern Plant Board, Baltimore, Md., November 16, 1938. Mimeographed.
183. Kelsheimer, E.G., L.M. Fenner, C.E. Dike & C. May. 1939. Number of elm specimens cultured and percentage yielding Ceratostomella ulmi, 1930 to 1938. Plant Disease Rept., 23:182-183.
184. True, R.P. & S.S. Slcwata. 1939. Scrutinizing and sampling elms with symptoms commonly associated with the Dutch elm disease as an aid in eradicating Ceratostomella ulmi. Phytopathology, 29: 529-537.

185. Tyler, L.J., K.G. Parker & L.L. Pechuman. 1939. The relation of Saperda tridentata to infection of American elm by Ceratostomella ulmi. *Phytopathology*, 29:547-549.
186. Walter, J.M. 1939. Effects of Ceratostomella ulmi on Ulmus americana and some types of European elm. *Abstr. Phytopathology*, 29:23.
187. _____. 1939. Observations on fructification of Ceratostomella ulmi in England. *Phytopathology*, 29:551-553.
188. Wolfenbarger, D.O. & W.D. Buchanan. 1939. Notes on elm twig crotch injuries produced by Scolytus multistriatus Marsham. *Jour. Econ. Ent.*, 32:377-381.
189. Ahrens, W.E. 1940. The practicability of detecting Dutch elm disease by trunk sampling. *Phytopathology*, 30:521-527.
190. Buchanan, W.D. 1940. Ambrosia beetle, Xyleborus germanus, transmits Dutch elm disease under controlled conditions. *Jour. Econ. Ent.*, 33:819-820.
191. _____. 1940. Scolytus sulcatus Lec. transmits Dutch elm disease fungus under controlled conditions. *Jour. Econ. Ent.*, 33:250-251.
192. Collins, D.L. & K.G. Parker & H. Dietrich. 1940. Uninfected elm wood as a source of the bark beetle (Scolytus multistriatus Marsham) carrying the Dutch elm disease pathogen. Cornell University. *Agr. Exp. Sta. Bull.* 740. 14pp.
193. Felt, E.P. 1940. European elm bark beetle and Dutch elm disease control. *Jour. Econ. Ent.*, 33:556-558.
194. Hoffman, C.H. & C.S. Moses. 1940. Mating habits of Scolytus multistriatus and the dissemination of Ceratostomella ulmi. *Jour. Econ. Ent.*, 33:818-819.
195. Kelsheimer, E.G. & C. May. 1940. Prevalence of elm dieback caused by Delticrella ulmi. *Plant Disease Rept.*, 24:370.
196. _____. & _____. 1940. Verticillium wilt of elm. *Plant Disease Rept.*, 24:282-284.
197. Leach, J.G. 1940. Fungi associated with Scolytus multistriatus in regions where Ceratostomella ulmi has not been found. *Abstr. Phytopathology*, 30:15.
198. _____. 1940. Phloem-necrosis destructive in West Virginia. *Plant Disease Rept.*, 24:308.
199. May, C. 1940. Host parasite relation of Ceratostomella ulmi. *Abstr. Proc. 3rd Intern. Cong. Microbiology*: 530-531.

200. Moses, C.S. & C.H. Hoffman. 1940. Isolations of Ceratostomella ulmi from Scolytus multistriatus adults stored at different temperatures. Phytopathology, 30:701-702.
201. Smucker, S.J. 1940. Apparent recovery of American elms inoculated with Ceratostomella ulmi. Phytopathology, 30:1052-1054.
202. Tehen, L.R. 1940. Dutch elm disease fungus lives at low temperatures. Amer. nurseryman, Nov. 1, 1940:24.
203. True, R.P. & S.S. Slawata. 1940. Attempts to isolate Ceratostomella ulmi from stored elm wood. Phytopathology, 30:272-274.
204. Tyler, L.J. & S. Pope. 1940. Relation of wounds to infection of American elm by Ceratostomella ulmi and the occurrence of spores in rain water. Phytopathology, 30:29-41.
205. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. 1940. Present status of the Dutch elm disease. Plant Disease Rept., 24:349-350.
206. Welch, D.S. & D.L. Collins. 1940. Dutch elm disease and its control. Cornell University. Agr. Exp. Sta. Ext. Bull. 437. 19pp.
207. Anonymous. 1941. Dutch elm disease in 1941. Plant Disease Rept., 25:450-451.
208. _____. 1941. Dutch elm disease found in Maryland again. Plant Disease Rept., 25:318.
209. Banfield, W.M. 1941. Distribution by the sap stream of spores of three fungi that induce vascular wilt diseases of elm. Jour. Agr. Res., 62:637-681.
210. _____. 1941. Relation of vessel length at infection points to extent of vascular invasion in American elm by Ceratostomella ulmi. Abstr. Phytopathology, 31:2.
211. Brewer, E.G. 1941. The fight for the elms. Amer. For., 47:22-25.
212. Collins, C.W. 1941. Studies of elm insects associated with Dutch elm disease fungus. Jour. Econ. Ent., 34:369-372.
213. Felt, E.P. & S.W. Bromley. 1941. New and unusual shade tree pests. Jour. Econ. Ent., 34:383-386.
214. May, C. & J. Zemlansky. 1941. Microagglutination of spores of Ceratostomella ulmi. Abstr. Phytopathology, 31:15-16.
215. Parker, K.G., P.A. Readic, L.J. Tyler & D.L. Collins. 1941. Transmission of the Dutch elm disease pathogen by Scolytus multistriatus and the development of infection. Phytopathology, 31:657-663.

216. Rankin, W.H., K.G. Parker & D.L. Collins. 1941. Dutch elm disease fungus prevalent in bark beetle infested elm wood. Abstr. Phytopathology, 31: 19. And also Jour. Econ. Ent., 34:548-551.
217. Rex, E.G. 1941. Dutch elm disease eradication in 1940. The Shade Tree (N.J.), 14(1):2-8.
218. Rumbold, C.T. 1941. Ascospores of Ceratostomella ips and Ceratostomella montium. Abstr. Phytopathology, 31:19.
219. Smucker, S.J. 1941. Comparison of susceptibility of the American elm and several exotic elms to Ceratostomella ulmi. Phytopathology, 31:758-759.
220. _____. 1941. Susceptibility of Planera and several elm species to Ceratostomella ulmi. Abstr. Phytopathology, 31:21.
221. True, R.F. 1941. Ceratostomella ulmi isolated from elm wood of dish crates imported from England. Plant Disease Rept., 25:55.
222. Whitten, R.R. 1941. The internal application of chemical to kill elm trees and prevent bark beetle attack. U.S. Dept. Agr. Circ. 605. 12pp.
223. Bryce, J.S. et al. 1942. Report of Northeastern Committee on Dutch elm disease. Mass. For. & Park Assoc. Mimeographed. 4pp.
224. Buchanan, W.D. & C. May. 1942. Technique for artificially feeding Scolytus multistriatus and Saperda tridentata spores of Ceratostomella ulmi and other substances. Phytopathology, 32:95-97.
225. _____ & S.J. Smucker. 1942. Reaction of Ceratostomella ulmi in occluded infections and contamination of Scolytus multistriatus. Jour. Econ. Ent., 35:178-180.
226. Burkholder, P.R. & I. McVeigh. 1942. Pyridoxine as a growth factor for Graphium. Science, 95:127-128.
227. Collins, C.W. et al. 1942. Developments in research on the bark beetle vectors of the Dutch elm disease. Abstr. Jour. Econ. Ent., 35:960.
228. Hersfall, J.C. & G.A. Zentmeyer. 1942. Antidetoxins of plant diseases. Abstr. Phytopathology, 32:22-23.
229. Robbins, W.J. & R. Ma. 1942. Vitamin deficiencies of Ceratostomella. Bull. Torrey Bot. Club, 69:184-203.
230. _____ & _____. 1942. Specificity of pyridoxine for Ceratostomella ulmi. Bull. Torrey Bot. Club, 69:342-352.

231. Smucker, S.J. 1942. Scolytus sulcatus and apple trees in relation to the Dutch elm disease control program. Phytopathology, 32:441-442.
232. Swingle, R.U. 1942. Phloem necrosis, a virus disease of the American elm. U.S. Dept. Agr. Circ. 640. 8pp.
233. Tehrn, L.R. 1942. Species susceptible to Dutch elm disease. Amer. nurseryman, Jan. 15, 1942:34-35.
234. Zappe, M.P. Dutch elm disease. Conn. Agr. Exp. Sta. Bull., 461: 478-479.
235. Zentmeyer, G.A. 1942. Toxin formation and chemotherapy in relation to Dutch elm disease. Abstr. Phytopathology, 32:20.
236. _____. 1942. Toxin formation by Ceratostomella ulmi. Science, 95:512-513.
237. Buchholz, A.B. 1943. Control of Dutch elm disease. N.Y. State. Dept. Agr. & Markets. Ann. Rpt. 1942:137-143.
238. Felt, E.P. 1943. Dutch elm disease control. Sci. Tree Topics, 1:58-64.
239. Friend, R.B. 1943. The Dutch elm disease situation in Connecticut. Conn. Agr. Exp. Sta. Bull. 472:278-285.
240. Jones, T.H. & C.S. Moses. 1943. Isolation of Ceratostomella ulmi from insects attracted to elm trees. Jour. Agr. Res., 66:77-85.
241. Pope, S.A. 1943. Some studies on the Dutch elm diseases and the causal organism (Ceratostomella ulmi). Cornell University. Abstr. Theses 1943:347-348.
242. Rex, E.G. 1943. Dutch elm disease control in New Jersey. The Shade Tree (N.J.), 16(3).
243. _____. & C. May. 1943. Natural spread of Dutch elm disease in a small area in New Jersey. Arborist's News, 8:89-90.
244. Stoddard, E.M. & G.A. Zentmeyer. 1943. Possible chemical similarity of virus and fungus toxins. Abstr. Phytopathology, 33:20.
245. Waksman, S.A. & E. Bugre. 1943. Action of antibiotic substances upon Ceratostomella ulmi. Sec. Expt. Biol. & Med. Proc., 54:79-82.
246. Wallace, P.F. & D. LaBelle. 1943. Dutch elm disease sample plots, 1942. Conn. Agr. Exp. Sta. Bull. 472:285-287.

247. Walter, J.M., C. May & C.W. Collins. 1943. Dutch elm disease and its control. U.S. Dept. Agr. Circ. 677. 12pp.
248. Zentmeyer, G.A. & J.G. Hersfall. 1943. Internal therapy with organic chemicals in treatment of vascular diseases. Abstr. Phytopathology, 33:16.
249. _____, _____ & P.P. Wallace. 1943. Logarithmic-probit relation of spore dosage and response in Dutch elm disease. Abstr. Phytopathology, 33:1121.
250. Allen, W.H. 1944. Recommended disposition of cut elm wood as an aid in the control of the Dutch elm disease in New Jersey. N.J. State. Agr. Circ. 346. 23pp.
251. Bretz, T.W. 1944. Further note on occurrence of elm phloem necrosis in Missouri. Plant Disease Rept., 28:950.
252. _____. 1944. Phloem necrosis of elms in Missouri. Plant Disease Rept., 28:929-931.
253. Felt, E.P. 1944. The Dutch elm disease problem. Parks & Recreation, 27:16-18.
254. Hoyt, A.S. 1944. Dutch elm disease. Natl. Plant Board Ann. Meeting, 19:14-15.
255. May, C. & W.R. Douglas. 1944. Some factors affecting the value of pruning for Dutch elm disease. Arborist' News, 9: 33-35.
256. Pomerleau, R. 1944. L'érme menacé de disparaître. Québec. Min. des terres et forêts. Service forestier. Circ. 7pp.
257. Slagg, C.M. 1944. Phloem necrosis found on elm in Kansas. Plant Disease Rept., 28:1053.
258. Wallace, P.P. & G.A. Zentmeyer. 1944. The development of Dutch elm disease in southwestern Connecticut. Conn. Agr. Exp. Sta. Bull., 481:299-300.
259. Zentmeyer, G.A. & P.P. Wallace. 1944. Factors influencing the development of Ceratostomella ulmi in elm trees. Abstr. Phytopathology, 34:1014.
260. _____ & _____. 1944. New research on the Dutch elm disease. Natl. Shade Tree Conf. Proc., 21:115-122.
261. _____ & _____ & J.G. Hersfall. 1944. Distance as a dosage factor on the spread of Dutch elm disease. Phytopathology, 34:1025-1033.

262. Bretz, Y.T.W., R.U. Swingle & D.E. Parker. 1945. Some recent observations on elm phloem necrosis and Dutch elm disease. Natl. Shade Tree Conf. Proc., 21:25-28.
263. Connors, I.L. & D.B.O. Savile. 1945. Diseases of trees and shrubs. Canada. Dept. Agr. Sci. Serv. Canad. Plant Dis. Surv. Ann. Rpt., 24:98-103.
264. Daviault, L. 1945. Le rôle des insectes dans la propagation de la maladie hollandaise de l'érable. Forêt québécoise, 9:280.
265. French, G.T. 1945. Gypsy moth and Dutch elm disease. Two destructive shade and forest tree pests threatening Virginia trees. Gard. Gossip, 20(7):12, 15-16.
266. Hagmann, L.E. 1945. Feeding habits and related activities of the two elm scolytids, Scolytus multistriatus (Marsham) and Hylurgopinus rufipes (Eichhoff) with reference to the Dutch elm disease pathogen Ceratostomella ulmi (Schwarz). Buisman. Cornell University. Abstr. Theses 1945:133-135.
267. Keenan, W.N. 1945. The European (Dutch) elm disease situation in Canada. Ont. Ent. Soc. Proc., 76:10-13.
268. Larsh, H.W. 1945. Elm phloem necrosis in Arkansas and Oklahoma. Plant Disease Rept., 29:699-700.
269. McKenzie, M.A. 1945. Investigation of the Dutch elm disease in Massachusetts. Abstr. Phytopathology, 35: 656.
270. May, C. 1945. Dieback of elm. Processed. Beltsville, Md. 2pp.
271. Pomerleau, R. 1945. Dutch elm disease. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 1(1):1-2.
272. _____. 1945. La maladie hollandaise de l'érable. Forêt québécoise, 9:8-10, 281-377.
273. _____. 1945. La maladie hollandaise de l'érable au Canada. Rev. Can. Biol., 4:116-117.
274. Rex, E.G. 1945. Report on Dutch elm disease control in New Jersey for calendar year 1944. The Shade Tree (N.J.), 18(3):2-3; 18(4):3.
275. Tyler, L.J. 1945. Influence of temperature on the Dutch elm disease in potted American elm. Phytopathology, 35: 302-304.
276. _____ & K.G. Parker. 1945. Factors affecting the saprogenic activities of the Dutch elm disease pathogen. Phytopathology, 35:675-687.

277. Tyler, L.J. & K.G. Parker. 1945. Pathogenicity of the Dutch elm disease fungus. *Phytopathology*, 35:257-261.
278. Welch, D.S., W.H. Rankin & P.A. Readic. 1945. Dutch elm disease control. Cornell University. Agr. Exp. Sta. Ext. Bull. 687. 15pp.
279. Bird, R.S. 1946. Threat to elms is growing: two deadly diseases taking increasing toll in 18 States. *For. Leaves*, 36(3): 1-2, 6-9.
280. Bretz, T.W. & R.U. Swingle. 1946. Known distribution of phloem necrosis of the American elm. *Plant Disease Rept.*, 30: 156-159.
281. Daviault, L. 1946. Dutch elm disease. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 2(4):1.
282. McCallum, A.W. 1946. The occurrence of the Dutch elm disease in Canada. *For. Chron.*, 22:203-209.
283. McKenzie, M.A. 1946. Dutch elm disease studies in Massachusetts during 1945. Abstr. *Phytopathology*, 36:680-681.
284. Pomerleau, R. 1946. The Dutch elm disease in Canada. Abstr. Can. Phytopath. Soc. Proc., 14:15-16.
285. _____. 1946. Rapport général des travaux effectués sur la maladie hollandaise de l'orme dans la province de Québec en 1945. Québec. Min. des terres et forêts. Service forestier.
286. Quackenbush, A. 1946. Help save the American elm. *Flower Grower*, 33:479-480, 508-509.
287. Schread, J.C., P.P. Wallace & G.A. Zentmeyer. 1946. Dutch elm disease in southwestern Connecticut. Conn. Agr. Exp. Sta. Bull. 501:33-40.
288. Stoddard, E.M. 1946. Soil applications of oxyquinaline benzilate for the control of foliage wilting in elms caused by Graphium ulmi. Abstr. *Phytopathology*, 36:689.
289. Walker, E.A. 1946. Spread of the Dutch elm disease in Maryland. Abstr. *Phytopathology*, 36:682.
290. Welch, D.S. 1946. Dutch elm disease controlled by cleanup of breeding areas. *Farm Res. (N.Y. State Coll. Agr.)*, 12(1):11-12.
291. Zappe, M. & C.W. Leach. 1946. Spread of the Dutch elm disease in Connecticut. Conn. Agr. Exp. Sta. Bull. 501:30-33.

292. Zentmeyer, G.A., J.G. Horsfall & P.P. Wallace. 1946. Dutch elm disease and its chemotherapy. Conn. Agr. Exp. Sta. Bull. 498. 70pp.
293. Banfield, W.M. 1947. Dutch elm disease recurrence in American elms in relation to the extent of vascular invasion by Ceratostomella ulmi in the year of disease incidence. Abstr. Phytopathology, 37:1.
294. _____, E.G. Rex & C. May. 1947. Recurrence of Dutch elm disease in American elms in relation to tree stature. Abstr. Phytopathology, 37:1-2.
295. Connell, D.P., D.L. Collins & L.E. Hagmann. 1947. Log treatments for bark beetle control in connection with the Dutch elm disease. Cornell University. Agr. Exp. Sta. Bull. 841. 43pp.
296. Dimond, A.E. 1947. Dutch elm disease; the present outlook. Conn. Woodlands, 12(1):4-8.
297. _____. 1947. Oxyquinaline benzate aids suppression of symptoms of Dutch elm disease. Abstr. Phytopathology, 37: 848.
298. _____. 1947. Symptoms of Dutch elm disease reproduced by toxins of Graphium ulmi in culture. Abstr. Phytopathology, 37:7.
299. _____, J.G. Horsfall & E.M. Stoddard. 1947. Chemotherapy of Dutch elm disease. Trees, 7(6):6-7, 13-14, 16.
300. _____, _____ & _____. 1947. Progress in the chemotherapy of the Dutch elm disease. Natl. Shade Tree Conf. Proc., 23:130-143.
301. Fate, L.R., C.E. Dike & O.N. Liming. 1947. Culture techniques for large-numbers of diseased and dead wood specimens. Abstr. Phytopathology, 37:7.
302. Fenner, L.M. & L.R. Fate. 1947. Ceratostomella ulmi on elm bark treated with 2,4-dichlorophenoxyacetic acid. Phytopathology, 37:925-928.
303. _____ & O.N. Liming. 1947. Identification of Ceratostomella ulmi in pure culture and in mixed associations of organisms. Abstr. Phytopathology, 37:7.
304. Livingston, J.E. 1947. Phloem necrosis of American elms found in Lincoln, Nebraska. Plant Disease Rept., 31:328.

305. McCallum, A.W. & R. Macrae. 1947. Technique used in the diagnosis of Dutch elm disease. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 3(6):4-5.
306. Neel, L.R. 1947. Our elms are dying. South. Agr. 77(10):49.
307. Parker, K.G. et al. 1947. The Dutch elm disease association of Ceratostomella ulmi with Scolytus multistriatus; its advance into new areas, method of determining its distribution and control of the disease. Cornell University. Agr. Exp. Sta. Mem. 275. 44pp.
308. _____. 1947. The Dutch elm disease. Cornell University. Agr. Exp. Sta. Bull. 275.
309. _____, L.J. Tyler, D.S. Welch & S. Pope. 1947. Nutrition of the trees and development of Dutch elm disease. Phytopathology, 37:215-224.
310. Pomerleau, R. 1947. Means of inoculation of the Dutch elm disease by Hylurgopinus rufipes Eichh. Can. Jour. Res., 25, Sect. C:102-104.
311. _____. 1947. Organization of the campaign against Dutch elm disease in Quebec. Canada. Rept. Agr. Sci. Serv. Div Ent. Bi-monthly Progress Rpt., 3(6):1-2.
312. _____. 1947. Rapport général des travaux effectués sur la maladie hollandaise de l'orme dans la province de Québec en 1946. Québec. Min. des terres et forêts. Service forestier.
313. _____ & H. Lechevalier. 1947. Etude de l'effet antibiotique d'une bactérie sur le développement du Ceratostomella ulmi (Schwarz) Buisman. Rev. Can. Biol., 6:478-484.
314. Reed, L.L. 1947. Surveys, quarantine, regulations and tree removal policy. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 3(6):4.
315. Rex, E.G. 1947. A Dutch elm disease control program for New Jersey for 1947. N.J. Federal Shade Tree Commission. Monthly Bull., 20(2):1-3.
316. Robert, A., c.s.v. 1947. The biology of Magdalis and a new aspect on its role in the transmission of Dutch elm disease. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 3(5):1-2.
317. _____. 1947. Method and time of transmission of Dutch elm disease in Quebec. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 3(3):1.

318. Stewart, K.E. 1947. Investigations on the chemical control of the native elm bark beetle Hylurgopinus rufipes Eichh. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 3(6):2-4.
319. U.S. Dept. Agr. Bur. Ent. & Plant Quarantine. 1947. What to do about the Dutch elm disease. Seasonal leaflet. 7pp.
320. Wyman, D. 1947. Watch the elms. Arnoldia, 7:17-23.
321. Anonymous. 1948. Dutch elm disease survey for Massachusetts. Mass. For. & Park Assoc. Ed. by New England Trust Co. 4pp.
322. Banfield, W.M. 1948. Time and locus of infection of American elms in relation to extent of vascular invasion by Ceratostomella ulmi. Abstr. Phytopathology, 38:2.
323. Dimond, A.E. 1948. Chemotherapeutic action of 8-quinolinol benzilate against Dutch elm disease. Abstr. Phytopathology, 38:7-8.
324. _____ & E.M. Stoddard. 1948. Chemotherapy. Natl. Shade Tree Conf. Proc., 24:107-113.
325. Guiscafre-Arrillaga, J. 1948. Sensitivity of Penicillium digitatum to 2, 4-dichlorophenoxyacetic acid. Plant Disease Rept., 32:248-250.
326. Hamilton, E.P. 1948. Have you Dutch elm disease. Gard. Club Amer. Bull. (Series 11), 1948 (8):29-32.
327. Henderson, W.J. & G.T. Mickle. 1948. The Dutch elm disease and its carrier, the smaller European elm bark beetle. Colc. Agr. Coll. Ext. Circ. 155-A. 11pp.
328. Liming, O.N., ed. 1948. Elm bark beetle Conference Committee Report on D.E.D. control. Trees, 8(3):7-8, 18, 20.
329. _____. 1948. Tracking down a foreign invader, the Dutch elm disease. Trees, 8(4):6-8, 18, 20, 24-25.
330. McCallum, A.W. 1948. Dutch elm disease reaches Ontario. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt. 4(6):1.
331. Parker, D.E. & E.H. Wilford. 1948. DDT used to reduce Dutch elm disease. South. Florist & nurseryman, 60(45):26.
332. Parker, K.G., L.E. Hagmann, D.E. Collins, L.J. Tyler, H. Dietrich & W.E. Czard. 1948. The association of Hylurgopinus rufipes with the Dutch elm disease pathogen. Jour. Agr. Res., 76:175-183.

333. Pomerleau, R. 1948. Rapport général des travaux effectués sur la maladie hollandaise de l'orme dans la province de Québec en 1947. Québec. Min. des terres et forêts. Service forestier.
334. Reed, L.L. 1948. Distribution of the European elm disease in Canada in 1947. Ont. Ent. Soc. Proc., 78:8-10.
335. Rex, E.G. 1948. A Dutch elm disease control program for New Jersey for 1948. The Shade Tree (N.J.), 21(3).
336. Rey, Z. 1948. La maladie hollandaise de l'orme. Rev. d'Oka, 22: 235-236.
337. Szkolnik, M. 1948. Antagonistic activity of a species of actinomycetes against Ceratostomella ulmi in vitro. Phytopathology, 38: 85-87.
338. Thomas, W.D., G.M. List, M.E. Michaelson & W.D. Buchanan. 1948. Dutch elm disease in Colorado. Plant Disease Rept., 32: 317.
339. Van Yahres, G. 1948. Chemical injections for control of Dutch elm disease. Trees, 8(2):14, 24-25.
340. Whitten, R.R. 1948. Insect carriers of two elm diseases. Arborist's News, 13:18-20.
341. _____ 1948. Phloem necrosis and Dutch elm disease. Abstr. Amer. Assoc. Econ. Ent. No. Cent. States Br. Proc., 3: 44-45.
342. _____ & W.L. Baker. 1948. Recent experimental results on control of vectors of two elm diseases. Arborist's News, 13:41-44.
343. _____ & R.U. Swingle. 1948. The status of research on two epidemic elm diseases. Natl. Shade Tree Conf. Proc., 24:113-120.
344. Woodward, C.F. 1948. The elms of America, what is to be their fate? N.Y. Bot. Gard. Jour., 49(579):49-69.
345. Wyman, D. 1948. Destroy dead elm wood immediately. Arnoldia, 8:17-20.
346. Anonymous. 1949. Saving your valued elms. Conn. Agr. Exp. Sta. Spec. Bull. 4pp.
347. Bretz, T.W. 1949. Leaf-bud cuttings as a means of propagating disease resistant elms. Plant Disease Rept., 33:434-436.
348. Caroselli, N.E. 1949. Use of chemotherapy for the control of the Dutch elm disease. Sci. Tree Topics, 1:88-89.

349. Dietrich, J.A. 1949. Dutch elm disease. Prof. Gard., 1:162-163.
350. _____ 1949. Greenwich, Conn., controls Dutch elm blight. Amer. City (N.Y.), 64:112-113.
351. _____ & J. Balin. 1949. Greenwich report on DDT for Scolytus. Trees, 9(3):7, 8, 10, 11.
352. Dimond, A.E., G.H. Plumb, E.M. Stoddard & J.G. Hersfall. 1949. An evaluation of chemotherapy and vector control by insecticides for combatting Dutch elm disease. Conn. Agr. Exp. Sta. Bull. 531. 69pp.
353. Feldman, A.W., N.E. Caroselli & F.L. Howard. 1949. Physiological and chemotherapeutic investigations of Ceratostomella ulmi. Abstr. Phytopathology, 39:6-7.
354. Liming, O.N. et al. 1949. Report of Dutch elm disease conference, 1949. Trees, 9(4):6-7, 15, 18-19, 21.
355. Pomerleau, R. 1949. Le développement de la maladie hollandaise de l'érable suivant l'époque de l'inoculation. Annales de l'ACFAS, 15:109-111.
356. _____. 1949. Rapport général des travaux effectués sur la maladie hollandaise de l'érable dans la province de Québec en 1948. Québec. Min. des terres et forêts. Service forestier.
357. Quackenbush, A. 1949. The Spring helps to fight Dutch elm disease. Flower Grower, 36:354, 378-380.
358. Rex, E.G. 1949. A Dutch elm disease control program for New Jersey for 1949. N.J. Shade Tree Commission. Monthly Bull., 22:2-4.
359. Strong, F.C. 1949. The elm disease situation. Mich. For. & Park Assoc. Ann. Meeting, 23:27-29.
360. Swingle, R.U. 1949. The identification and control of elm phloem necrosis and Dutch elm disease. Ohio Agr. Exp. Sta. Circ. 80. 11pp.
361. _____, R.R. Whitten & E.G. Brewer. 1949. Dutch elm disease. U.S. Dept. Agr. Yearbook of agriculture 1949: 451-452.
362. Whitten, R.R. 1949. Control of insect carriers of the Dutch elm disease and elm phloem necrosis. Trees, 9:6, 25.
363. Barger, F. 1950. New hope for the American elm; carolate, a new compound, may prove helpful in saving our elm trees from the ravages of Dutch elm disease. Flower Grower, 37(5): 29, 53.

364. Benton, A.H. 1950. Effects on wildlife of DDT used for control of Dutch elm disease. *Jour. Wildlife Man.*, 15:20-27.
365. Bretz, T.W. & R.U. Swingle. 1950. Experimental propagation of disease-resistant elm selections by vegetative cuttings. *Abstr. Phytopathology*, 40:4.
366. Feldman, A.W., N.E. Caroselli & F.L. Howard. 1950. Chemicals for Dutch elm disease therapy. *Abstr. Phytopathology*, 40:8-9.
367. _____, _____. 1950. Physiology of toxin production by Ceratostomella ulmi. *Phytopathology*, 40:341-354.
368. Hurford, A.W. 1950. Our Dutch elm disease control program. *Conn. Woodlands*, 15:38-39.
369. McCubbin, W.A. 1950. Plant pathology in relation to federal, domestic plant quarantine. *Plant Disease Rept.*, Supp. 191:67-91.
370. Marshall, R.P. 1950. Carlocate, hope for the elm. *Trees*, 10:10.
371. Plumb, G.H. 1950. Control of Scolytus and Dutch elm disease by concentrated DDT sprays. *Jour. Econ. Ent.*, 43:110-111.
372. _____. 1950. Control of Scolytus and DED (Dutch elm disease) with concentrated sprays. *Trees*, 10(5):8.
373. _____. 1950. The Dutch elm disease problem in Connecticut. *Conn. Woodlands*, 15:13-14.
374. Pomerleau, R. 1950. Rapport général des travaux effectués sur la maladie hollandaise de l'érable dans la province de Québec en 1949. Québec. Min. des terres et forêts. Service forestier.
375. Rankin, W.H. 1950. Dutch elm disease. *Trees*, 10(6):11, 20.
376. Reed, L.L. 1950. Status of the Dutch elm disease in Canada, 1950. Canada. Dept. Agr. Sci. Serv. Div. Ent. Bi-monthly Progress Rpt., 6(6):1.
377. Shafer, T. & O.N. Liming. 1950. Ceratostomella ulmi types in relation to development and identification of perithecia. *Phytopathology*, 40:1035-1042. And also *Abstr. Phytopathology*, 40:25.
378. Swingle, R.U. 1950. Report on research on the Dutch elm disease. Natl. Shade Tree Conf. Proc., 26:38-44.
379. _____. 1950. Report on research on the Dutch elm disease. *Arborist's News*, 15:113-114.

380. Swingle, R.U. & R.R. Whitten. 1950. Dutch elm disease (Ceratostomella ulmi (Schwarz) Buisman). Mass. For. & Park Assoc. Tree pest leaflet 23. 4pp.
381. Weaver, L.O., W.F. Jeffers & T.L. Bissell. 1950. Dutch elm disease. Maryland. Agr. Coll. Ext. Bull. 138. 11pp.
382. Wester, H.V., R.W. Davidson & M.E. Fowler. 1950. Cankers of linden and redbud. Plant Disease Rptr., 34:219.
383. Andrews, E.A. et al. 1951. Control of Dutch elm disease. Mich. State Coll. Agr. Ext. Bull. 308. 16pp.
384. Baser, N. 1951. On the oak wilt and Dutch elm. Amer. For., 57:11, 40-41.
385. Bromley, S.W. 1951. Trees and tree insects, with special reference to Dutch elm disease. N.Y. Ent. Soc. Jour., 59:250-252.
386. Carselli, N.E. & A.W. Feldman. 1951. Dutch elm disease chemotherapy with carboxlate and other formulations. Abstr. Phytopathology, 41:6.
387. _____ & _____. 1951. Dutch elm disease in young elm seedlings. Phytopathology, 41:46-51.
388. Carter, J.C. 1951. Dutch elm disease in Illinois. Plant Disease Reptr., 35:56.
389. Conklin, J.C. 1951. Present status of Dutch elm disease in New Hampshire. Forest Notes, 15:16-17.
390. Feldman, A.W. & N.E. Carselli. 1951. Soil and tree activity in relation to susceptibility to Dutch elm disease. Abstr. Phytopathology, 41:12.
391. Frederick, L. & F.L. Howard. 1951. Comparative physiology and pathogenicity of eight isolates of Ceratostomella ulmi. Abstr. Phytopathology, 41:12-13.
392. Hurford, A.W. 1951. Latest developments in the Dutch elm disease control program. Conn. Woodlands, 16:39-41.
393. Jeffers, W.F. et al. 1951. Notes on occurrence of some plant diseases in Maryland during 1950. Plant Disease Reptr., 35:385.
394. Liming, O.N., E.G. Rex & K.E. Layton. 1951. Effects of a source of heavy infection on the development of Dutch elm disease in a community. Phytopathology, 41:146-151.

395. McCallum, A.W. & K.E. Stewart. 1951. Dutch elm disease. Canada. Dept. Agr. Processed publ. series, no. 1. 10pp.
396. Mrofsky, W.F. 1951. The insect carriers of Dutch elm disease. Mich. For. & Park Assoc. Ann. Meeting, 25:3-4.
397. Morris, C.L. 1951. The Dutch elm disease. Pa. Dept. For. & Waters. Ann. Rpt., 3:52-55.
398. New Jersey. Dept. Agr. Div. Plant Industry. 1951. Report of Summer 1950 Dutch elm disease control survey. The Shade Tree (N.J.), 24(7):2-5.
399. Reed, L.L. 1951. The 1950 status of the Dutch elm disease in Canada. Ont. Ent. Soc. Proc., 81:103-104.
400. Staples, M.W. 1951. The Dutch elm disease. Mega, 11(3):26-27, 30.
401. Strong, F.C. 1951. The Dutch elm disease in Michigan. Mich. For. & Park Assoc. Ann. Meeting, 25:1-3.
402. Swingle, R.U. 1951. Dutch elm disease and control methods. Arborist's News, 16:56-58.
403. Wallerman, E.H. 1951. Control of Dutch elm disease and phloem necrosis in elms. Abstr. Amer. Assoc. Econ. Ent. No. Cent. States Br. Proc., 6:76-77.
404. Anonymous. 1952. Control of Dutch elm disease and elm phloem necrosis. U.S. Dept. Agr. Leaflet 329. 11pp.
405. Blagbrough, H.P. 1952. Reducing wildlife hazards in Dutch elm disease control. Jour. Forestry, 50:468-469.
406. Bretz, T.W. 1952. Diseases of shade trees. Arborist's News, 17:81-84.
407. Carter, J.C. 1952. Increase of Dutch elm disease in Illinois. Plant Disease Rept., 36:24-25.
408. Clarke, R.B. 1952. Breeding and establishing new trees resistant to disease. Econ. Bot., 6:271-293.
409. Dimond, A.E. & D. Davis. 1952. 2-carboxymethylmercaptobenzothiazole salts as chemotherapeutics for plant diseases. Abstr. Phytopathology, 42:7.
410. Hurford, A.W. 1952. Living with the Dutch elm disease. Natl. Shade Tree Conf. Proc., 28:103-110.
411. Hurford, A.W. 1952. National Shade Tree Conference devotes much of meeting to study of chemical control of tree pests. Agric. Chem., 7:79, 114-115, 117.

412. Marsden, D.H. 1952. Pruning elms affected with Dutch elm disease. *Abstr. Phytopathology*, 42:113-114.
413. _____. 1952. Quick action may save elms. *Res. Rev. (Mass. Agr. Exp. Sta.)*, 1(2):14-15.
414. Meyers, W.I. 1952. D.E.D. fight in Detroit. *Mich. For. & Park Assoc. Ann. Meeting*, 26:13.
415. Mix, W.B. 1952. They are not doomed. *Horticulture*, 30:364-370.
416. Merling, R.J. 1952. Save the elms. *Countryman*, 46:338-341.
417. Pierson, H.B. 1952. Insect control: Dutch elm disease. *State of Maine Biennial Rpt. of For. Commissioner*, 29:127-129.
418. Rex, E.G. 1952. Dutch elm disease control survey, Summer 1951. *The Shade Tree (N.J.)*, 25(3):1-4.
419. _____. 1952. Living with the Dutch elm disease. *Natl. Shade Tree Conf. Proc.*, 28:110-118.
420. Robert, A. 1952. Les insectes de l'arbre aux niveaux de l'écorce et du bois et leur rôle avec la maladie hollandaise. *Montréal, Université de Montréal*. 364pp. Unpublished.
421. Sharville, E.G. 1952. Systemic fungicides in 1951; British investigations. *Plant Disease Repr.*, 36:37-38.
422. Warner, O.F. 1952. Connecticut combats Dutch elm disease. *Arborist's News*, 17:55-59.
423. Campana, R.J. 1953. Further increase of Dutch elm disease. *Plant Disease Repr.*, 37:110-111.
424. Layton, K.E. & E.G. Rex. 1953. Report of the Dutch elm disease control survey, State of New Jersey. *The Shade Tree (N.J.)*, 26(9/10):2-6.
425. Lechevalier, H. et al. 1953. Candicidin, a new antifungal antibiotic. *Mycologia*, 45:155-171.
426. Marsden, D.H. 1953. Dutch elm disease; an evaluation of practical control efforts. *Plant Disease Repr.*, 37:3-6.
427. May, C. 1953. The Dutch elm disease problem. *Natl. Shade Tree Conf. Proc.*, 29:60-69.
428. Miller, P.R. 1953. Plant disease situation in the United States. *Plant Prot. Bull.* 1:69-71.

429. Pomerleau, R. 1953. Dutch elm disease in the Province of Quebec. Canada. Dept. Agr. Sci. Serv. Div. For. Biol. Bi-monthly Progress Rpt., 9(2):2.
430. Rose, M. 1953. New England's elms and how to keep them. Gard. Alum. Amer. Bull. 41:58-60.
431. Schread, J.C. 1953. Hydraulic sprayers versus mist blowers for elm tree work. Conn. Woodlands, 18:29-30.
432. Schuder, D.L. 1953. Control of Dutch elm disease and phloem necrosis vectors. Natl. Shade Tree Conf. Proc., 29:69-72.
433. Shepard, W.C. & A.W. Hurford. 1953. Living with Dutch elm disease. Amer. For., 58(4):26-27, 40, 42.
434. Tarjan, A.S. & F.L. Howard. 1953. Comparison of benzothiazacyl-2-thioglycollic acid derivatives with other chemicals for Dutch elm disease therapy. Abstr. Phytopathology, 43:486.
435. Welch, D.S. 1953. The Dutch elm disease in urban and forest areas. Jour. Forestry, 51:641, 643-644.
436. Anonymous. 1954. Control Dutch elm disease. R.I. Agr. Exp. Sta. Ext. Bull. 160. 6pp.
437. Campana, R.J. 1954. The present status of Dutch elm disease in Illinois. Plant Disease Repr., 38:356-357.
438. Dimond, A.E. 1954. Progress in controlling Dutch elm disease. Conn. Woodlands, 19:8-9.
439. Holmes, F.W. 1954. The Dutch elm disease as investigated by the use of tissue culture, antibiotics and pectic enzymes. Thesis. Cornell University. 143pp.
440. Le Sueur, A.D.C. 1954. The Dutch elm disease. Gard. Illus., 71:118.
441. Matthysse, J.G., H.C. Miller & H.E. Thompson. 1954. Insecticide deposits for control of elm bark beetles. Jour. Econ. Ent., 47:739-746.
442. Oliver Corporation, York, Pa. 1954. Mist spraying and Dutch elm disease control. 72pp.
443. Peace, T.R. 1954. Experiments on spraying with DDT to prevent the feeding of Scolytus beetles on elm and consequent infection with Ceratostomella ulmi. Ann. Appl. Biol., 41:155-164.
444. Potter, H.S. 1954. Chemotherapy research fellowship progress report. Natl. Shade Tree Conf. Proc., 30:8-14.

445. Schenck, N.C. & J.C. Carter. 1954. A fungistatic substance extracted from vitrain. *Science*, 119(3085):213-214.
446. Thompson, H.E. 1954. The role of the native bark beetle, Hylurgopinus rufipes (Eichh.), in the transmission of the Dutch elm disease pathogen (Ceratostomella ulmi (Schwarz) Buism.). Ph.D. Thesis. Cornell University. 125pp. Unpublished.
447. Welch, D.S. & J.G. Matthysse. 1954. Protect your elms from Dutch elm disease. Cornell University. Agr. Exp. Sta. Cornell Recom. Trees, Shrubs & Turf, 1954:23.
448. Whitten, R.R. 1954. Dutch elm disease and elm phloem necrosis. Ent. Soc. Amer. N. C. Cent. States Br. Proc., 9:36.
449. Anonymous. 1955. Progress in the fight against Dutch elm disease. R.I. Agr., 2(1):3-4, 6-7, 10.
450. Campana, R.J. 1955. Dutch elm disease on the Prairie. Amer. nurseryman, 101:13-14.
451. _____ & J.C. Carter. 1955. Spread of Dutch elm disease in Illinois in 1954. *Plant Disease Rept.*, 39:245-248.
452. Diamond, A.E. 1955. Dutch elm disease, past and present. *Rur. New Yorker*, 105:202-207.
453. Grossbard, E. 1955. Stimulation of pigmentation and sporulation in fungi by metabolites of actinomycetes. Abstr. *Phytopathology*, 44:110-111.
454. Herr, K. 1955. Dutch elm disease presents problem. *Mega*, 15:16.
455. Holmes, F.W. 1955. The Dutch elm disease as investigated by the use of tissue cultures, antibiotics and pectic enzymes. *Diss. Abstr.*, 15:6.
456. _____. 1955. Field and culture tests of antibiotics against Graphium ulmi. Abstr. *Phytopathology*, 45:185.
457. Kuc, J. et al. 1955. Production of fungistatic substances by plant tissue after inoculation. *Science*, 122(3181):1186-1187.
458. Reed, H.E. 1955. Occurrence of Dutch elm disease in Tennessee. *Plant Disease Rept.*, 39:882.
459. Schuder, D.L. 1955. Distribution of three important insect transmitted tree diseases. *Proc. Ind. Acad. Sci.*, 64: 116-120.
460. Strong, F.C., R.L. Janes & W.F. Marcfsky. 1955. Dutch elm disease control. Mich. State Coll. Ext. Folder F-195. 10pp.

461. Welch, D.S. & J.G. Matthyssse. 1955. Control of Dutch elm disease in New York State. Cornell University. Agr. Exp. Sta. Ext. Bull. 932. 14pp.
462. Anonymus. 1956. Selected list of references on Dutch elm disease, smaller European bark beetle and native elm bark beetle, 1945-1955. U.S. Dept. Agr. Library. Madison Br., Madison, Wi. 5pp.
463. Beckman, C.H. 1956. Production of pectinase, cellulases and growth-promoting substance by Ceratostomella ulmi. Phytopathology, 46:605-609.
464. Campana, R.J. 1956. Sanitation for Dutch elm disease control. Conf. Control Dutch Elm Disease Proc., 2:9-19.
465. Carter, J.C. 1956. Community organization for combatting Dutch elm disease. Conf. Control Dutch Elm Disease Proc., 2: 54-56.
466. Chambers, E.L. 1956. Dutch elm disease. Wi. Dept. Agr. Spec. Bull. 62. 4pp.
467. Conference on the Control of Dutch Elm Disease. 1956. Essentials of Dutch elm disease control; a transcript of the Proceedings of a second statewide Conference, Chicago, Nov. 13, 1956. Chicago, Illinois State Chamber of Commerce. 83pp.
468. Dietrich, J.A. 1956. Report on how Greenwich, Conn., has protected thousands of public elms from Dutch elm disease. Conn. Woodlands, 21:67-70.
469. Holmes, F.W. 1956. Mapping the trail of elm diseases in Massachusetts. Res. Rev. (Mass. Agr. Exp. Sta.), 5(2): 10-11.
470. _____. 1956. Recorded Dutch elm disease distribution in North America as of 1955. Plant Disease Rept., 40: 351-353.
471. Illinois. Chamber of Commerce. Agr. Business Relations Committee. 1956. Controlling Dutch elm disease; a guide to the establishment of effective Dutch elm disease control programs for use by citizens, organizations and officials of Illinois Communities. Chicago, 11pp.
472. Jarm, V. 1956. The control program for Dutch elm disease in Hartford. Conn. Woodlands, 21:104-105.
473. Karpick, F. 1956. Dutch elm disease control program in Buffalo. Natl. Shade Tree Conf. Proc., 32:159-171.

474. McNabb, H.S. 1956. A program for Dutch elm disease control on the Iowa State College Campus. *Iowa Acad. Sci. Proc.*, 63:353-358.
475. Massachusetts Dept. Nat. Resources. 1956. Special report relative to the Dutch elm disease, under Chapter 97, Resolves of 1955. Boston, Wright & Potter. 34pp.
476. Meyers, W.I. 1956. Dutch elm disease can be controlled. *Conf. Control Dutch Elm Disease Proc.*, 2:35-39.
477. Mills, H.B. 1956. The current Dutch elm disease situation in Illinois. *Conf. Control Dutch Elm Disease Proc.*, 2:2-5.
478. Ouellet, C.E. 1956. La maladie hollandaise de l'orme. *Agriculture*, 13:87-89.
479. Rotter, H.S. 1956. The use of chemicals to suppress symptoms of Dutch elm disease in two-year American elm trees inoculated with Ceratostomella ulmi (Schwarz) Buisman. *Diss. Abstr.*, 16:2292.
480. _____ & C. May. 1956. Research on systemic treatments to suppress symptoms of Dutch elm disease. *Natl. Shade Tree Conf. Proc.*, 32:75-84.
481. Reed, H.E. & H.L. Brewer. 1956. Status of Dutch elm disease in Know County, Tenn. *Plant Disease Repr.*, 40:756.
482. Schneider, I.R. 1956. A selective medium for the routine isolation of Graphium ulmi Schwarz. *Plant Disease Repr.*, 40:816-821.
483. Tilford, F.E. 1956. Costs of control measures. *Conf. Control Dutch Elm Disease Proc.*, 2:47-49.
484. Van Camp, J.C. 1956. Survey and scouting for Dutch elm disease. *Conf. Control Dutch Elm Disease Proc.*, 2:6-9.
485. Warren, D.W. 1956. The Brookline, Mass., program. *Conf. Control Dutch Elm Disease Proc.*, 2:41-46.
486. Whitten, R.R. 1956. Elm disease: sprays, formulas and ingredients. U.S. For. Serv. Central States For. Exp. Sta. Sta. note 92. 2pp.
487. _____. 1956. Protecting against Dutch elm disease. U.S. For. Serv. Central States For. Exp. Sta. Misc. Release 10. 14pp.
488. _____. 1956. Revised spray recommendations for control of elm bark beetles. *Arborist's News*, 21(2):9-12.

489. Whitten, R.R. 1956. Spraying for Dutch elm disease control. Conf. Control Dutch Elm Disease Proc., 2:20-25.
490. Wisconsin. Dept. Agr. Div. Plant Industry. 1956. The Dutch elm disease control program in Wisconsin. Mimeographed. 11pp.
491. Wysong, N.B. 1956. The human element in Dutch elm disease control. Conf. Control Dutch Elm Disease Proc., 2:49-53.
492. Anonymous. 1957. Guide for community-wide control of Dutch elm disease. Natl. Shade Tree Conf. Dutch Elm Disease Specifications Committee. Midwestern Chapter. 35pp.
493. _____. 1957. The Dutch elm disease in Maine. Maine For. Serv. Bull. 16. 19pp.
494. _____. 1957. Dutch elm disease in Iowa. Iowa. Stace Coll. Dept. Bot. & Plant Path. & Dent. Ent. Ext. Publ. P.D. & I.C.-2:1-3.
495. _____. 1957. Occurrence of Ceratocystis ulmi (Buisman.) C. Moreau in New Brunswick. Canada. Dept. Agr. Sci. Serv. For. Biol. Div. Bi-monthly Progress Rpt., 13(6):1.
496. Bartlett, R.A. 1957. How three towns are defeating Dutch elm disease. Amer. City, 72(7):13,15.
497. Beckman, C.H. & F.L. Howard. 1957. Chemical inhibition of springwood development in relation to infection and symptoms of the Dutch elm disease. Abstr. Phytopathology, 47:3-4.
498. Campana, R.J. 1957. Approach to Dutch elm disease problem in Illinois. Ent. Soc. Amer. No. Cent. Br. Proc., 12:9-10.
499. _____ & J.C. Carter. 1957. The current status of Dutch elm disease in Illinois. Plant Disease Rept., 41:636-639.
500. Farb, P. 1957. Will we let our elms die? Amer. For., 63(7): 22, 55-56, 58.
501. Holmes, H.W. 1957. Recorded Dutch elm disease distribution in North America as of 1956. Plant Disease Rept., 41:634-635.
502. Hurford, A.W. 1957. An educational program to save Connecticut's important elms. Conn. Woodlands, 22:18-20.
503. Lovitt, D.F. 1957. Dutch elm disease control in Michigan. Ent. Soc. Amer. No. Cent. Br. Proc., 12:10-11.
504. Matthysse, J.G. 1957. Elm leaf beetle and Dutch elm disease; experiments on practical use of mist blowers in New York State. Trees (Ohio), 17(2):7-8, 16, 18-19.

505. Smith, P.W. 1957. Discussion of elm insects and Dutch elm disease in the North Central States. Ent. Soc. Amer. No. Cent. Br. Proc., 12:9.
506. Thompson, H.E. & S.M. Pady. 1957. Dutch elm disease and its control in Kansas. Kansas. State Coll. Dept. Bot. & Plant Path. Mimeographed Circ. 12. 8pp.
507. Whitten, R.R. 1957. Dutch elm disease in Ohio. Ent. Soc. Amer. No. Cent. Br. Proc., 12:12.
508. Allington, W.B. 1958. Fight the Dutch elm disease now. Nebraska. Agr. Exp. Sta. Quart., 5(2):6-7.
509. Anonymous. 1958. Dutch elm disease. Canada Dept. Agr. Publ. 1010. 12pp.
510. _____. 1958. Dutch elm disease in Iowa. Iowa Book Agr. 2, i.e. 3:154-157.
511. Beckman, C.H. 1958. Growth inhibition as a mechanism in Dutch elm disease therapy. Phytopathology, 48:172-176.
512. Campana, R.J. 1958. Dutch elm disease and related troubles of elms. Trees (Ohio), 18(6):6-10.
513. _____. 1958. Elms susceptible to Dutch elm disease and elm phloem necrosis. Trees (Ohio), 19(1):6, 19.
514. D'André, A.R. 1958. Dutch elm disease and what can be done. Agric. Conn. News, 3(3):3.
515. Davidson, A.G., C.C. Smith & A.E. McCollom. 1958. Dutch elm disease firmly established in New Brunswick. Canada. Dept. Agr. Sci. Serv. For. Biol. Div. Bi-monthly Progress Rpt., 14(5):1.
516. De Witt, J.B. 1958. Buds and Dutch elm disease control. Arborist's News, 24(4):25-29.
517. Dimond, A.E. & A. Husain. 1958. Role of extra-cellular enzymes in the pathogenesis of Dutch elm disease. Abstr. Science, 127:1059.
518. Doane, C.C. 1958. The residual toxicity of insecticides to Scolytus multistriatus. Jour. Econ. Ent., 51:256-257.
519. Hafstad, G.E. 1958. Possible long distance spread of Dutch elm disease by transported beetles. Plant Disease Reptr., 42:893-894.

520. Holmes, F.W. 1958. Distribution of sexual-compatibility strains of Ceratocystis ulmi in Massachusetts. Abstr. Phytopathology, 48:263.
521. _____. 1958. Recorded Dutch elm disease distribution in North America as of 1957. Plant Disease Repr., 42: 1299-1300.
522. Husain, A. & A.E. Dimond. 1958. The function of extracellular enzymes of Dutch elm disease pathogen. Natl. Acad. Sci. Proc., 44:594-601.
523. Johnson, E.M. & R.A. Chapman. 1958. Unusual occurrence of certain plant diseases in Kentucky in 1958. Plant Disease Repr., 42:1413.
524. McNair, G. 1958. How Hamilton fights Dutch elm disease. Civic Administration, August 1958:43-44.
525. Matthysse, J.G. 1958. An evaluation of mist blowing and sanitation in Dutch elm disease control program. Cornell University. Agr. Exp. Sta. Misc. Bull. 30. 16pp.
526. May, C., J.G. Palmer & E.H. Hackaylo. 1958. In vitro inhibition of Ceratocystis ulmi by acetone extracts from leaves or stem of some species of higher plants. Plant Disease Repr., 42:399-401.
527. _____, _____ & _____. 1958. Inhibition of growth of Ceratocystis ulmi in vitro by residues from extracts of soils and of plants growing in soils treated with captan or Orthocide 50W. Plant Disease Repr., 42:696-702.
528. Pady, S.M. 1958. Dutch elm disease in Kansas. Plant Disease Repr., 42:402.
529. Robert, A. 1958. Insect vectors of the Dutch elm disease in the Province of Quebec. Proc. 10th Int. Cong. Ent., 4:433-436.
530. Rosinski, M.A. 1958. A technique for more rapid production of perithecia in Ceratocystis ulmi. Plant Disease Repr., 42: 1091.
531. Santamour, F.S. & D.L. French. 1958. Toxin in relation to resistance to Dutch elm disease. Minn. University. School of Forestry. Minnesota Forestry Note 65. 2pp.
532. Shaw, D.A. 1958. Dutch elm disease, a threat in western Canada. Prairie Gard., 1958:21-23.
533. Tilford, P.E. 1958. A vote for the elms. Arborist's News, 24(4):29-30.

534. Whitten, R.R. & R.U. Swingle. 1958. The Dutch elm disease and its control. U.S. Dept. Agr. Agr. Inform. Bull. 193. 12pp.
535. Wray, R.D. 1958. It's up to you to save those elms. Horticulture, 36:268-269.
536. Al-Azawi, A.F. & D.M. Morris. 1959. Experimental prevention of bark beetle transmission of Ceratocystis ulmi (Buis.) Moreau with the systemic insecticide Chipman R-6199. Jour. Econ. Ent., 52:902-904.
537. Beckman, C.H. 1959. Dutch elm disease control with polychlorobenzoic acid. Abstr. Phytopathology, 49:227.
538. Donley, D.E. 1959. Potentialities for systemic control of the insect vectors of Dutch elm disease. Abstr. Ent. Soc. Amer. No. Cent. Br. Proc., 14:59.
539. Epstein, A.H. 1959. Aerial survey for Dutch elm disease. Plant Disease Repr., 43:1078.
540. _____. 1959. A moist-chamber technique for culturing large numbers of elm twig specimens. Plant Disease Repr., 43:1195.
541. Fox, R.C. 1959. Chemical poisoning of trees infected with Dutch elm disease and its effect on populations of the smaller European elm bark beetle, Scolytus multistriatus (Marsh.). Abstr. Assoc. South. Agr. Workers Proc., 56:122.
542. Kramer, C.L. & H.E. Thompson. 1959. Dutch elm disease in Kansas in 1958. Plant Disease Repr., 43:511-512.
543. Morris, D.M. 1959. Potentialities for systemic control of the insect vectors of Dutch elm disease. Abstr. Ent. Soc. Amer. No. Cent. Br. Proc., 14:59-60.
544. Nielsen, G.R. 1959. New additive to old insecticides improves control of Dutch elm disease. Farm Res. (N.Y. State Coll. Agr.), 25:15.
545. Ouellet, C.E. 1959. A la recherche d'un orme d'Amérique résistant à la maladie hollandaise de l'orme. Res. Farmer, 4(2): 14-15.
546. Ouellette, G.B. 1959. Etude histologique sur le développement du Ceratocystis ulmi (Schwarz) C. Moreau dans les tissus de l'orme d'Amérique. Annales de l'ACFAS, 25:78.
547. Schuder, D.L. 1959. An entomologist's views on Dutch elm disease. Arborist's News, 24:62-64.

548. Al-Azawi, A.F. 1960. Prevention of Scolytus multistriatus transmission of Ceratocystis ulmi, the Dutch elm fungus, by systemic insecticides. Diss. Abstr., 20:3907.
549. Bruns, R.F. 1960. Comprehensive tree report maps program for Dutch elm disease control. Publ. Works, 91:126-127.
550. Campana, R.J. & M.A. Rosinski. 1960. Sentic culture of Ceratocystis ulmi on elm wood. Plant Disease Repr., 44:908-911.
551. Gagnon, C. 1960. Studies on the physiology of Ceratocystis ulmi (Buism.) C. Moreau in culture and in association with its host. A thesis presented to the Faculty of the Graduate School of Cornell University for the Degree of Master of Science. 89pp. Unpublished.
552. Hart, J.H. 1960. A modified method for culturing elm samples. Plant Disease Repr., 44:806-807.
553. Hickey, J.J. & L.B. Hunt. 1960. Initial songbird mortality following a Dutch elm disease control program. Jour. Wildlife Man. 24:259-265.
554. _____ & _____. 1960. Songbird mortality following annual programs to control Dutch elm disease. Atlantic Nat., 15:87-92.
555. Higgins, D.J. 1960. The utilization of glucose carbon by five isolates of the fungus Ceratocystis ulmi. Diss. Abstr., 20:3485.
556. Hunt, L.B. 1960. Songbird breeding populations in DDT-sprayed Dutch elm disease communities. Jour. Wildlife Man., 24:139-146.
557. Kramer, C.L. & H.E. Thompson. 1960. Dutch elm disease in Kansas in 1959. Plant Disease Repr., 44:162.
558. Kuc, J. 1960. A biochemical study of the nature of disease resistance in plants. Diss. Abstr. 20:4260-4261.
559. Neely, D., J.C. Carter & R.J. Campana. 1960. The status of Dutch elm disease (Ceratocystis ulmi) in Illinois. Plant Disease Repr., 44:163-166.
560. Ouellette, G.B. & C. Gagnon. 1960. Formation of microendospores in Ceratocystis ulmi (Buism.) C. Moreau. Can. J. Bot., 38:235-241.
561. Tilford, P.E. 1960. Is there a new Dutch elm disease treatment? Arborist's News, 25:95-96.

562. Al-Azawi, A.F., D.M. Morris & J.E. Casida. 1961. Hazards associated with the implantation of tetram into elm trees for Dutch elm disease control. *Jour. Econ. Ent.*, 54:127-129.
563. Arisumi, T. & D.J. Higgins. 1961. Effect of Dutch elm disease in seedling elms. *Phytopathology*, 51:847-850.
564. Campana, R.J. & M.A. Rosinski. 1961. A simplified method for culture of Ceratocystis ulmi. *Abstr. Phytopathology*, 51:575.
565. French, D.W. & A.C. Hodson. 1961. The Dutch elm disease. Minn. University. Agr. Ext. Serv. Ext. Folder 211. 8pp.
566. Gagnon, C. 1961. Growth of Ceratocystis ulmi (Buisman) C. Moreau in liquid culture media. *Can. J. Bot.*, 39:1087-1093.
567. Hafstad, G.E. & W.C. Lueschow. 1961. Ceratocystis ulmi and zinc chloride experiments. *Plant Disease Rept.*, 45:152.
568. _____ & J.F. Reynolds. 1961. Effectiveness of dormant sprays in the control of Dutch elm disease. *Arborist's News*, 26:81-82.
569. _____ & _____. 1961. Effectiveness of dormant sprays in the control of Dutch elm disease. *Plant Disease Rept.*, 45:681.
570. Hastings, A.R. & M. Beroza. 1961. Screening tests of chemical deterrents. U.S. For. Serv. Northeastern For. Exp. Sta. Sta. paper 156. 13pp.
571. Himelick, E.B. & D. Neely. 1961. Prevention of bark beetle development in undesirable elms for the control of Dutch elm disease. *Plant Disease Rept.*, 45:180-184.
572. Holmes, F.W. 1961. Recorded Dutch elm disease distribution in North America as of 1959. *Plant Disease Rept.*, 45:74-75.
573. Jones, R.L. & F.C. Strong. 1961. Dutch elm disease control. Mich. State University. Cooperative Ext. Serv. Ext. Folder F-195. 12pp.
574. Kramer, C.L. & H.E. Thompson. 1961. Dutch elm disease in Kansas in 1960. *Plant Disease Rept.*, 45:309.
575. Neely, D. 1961. Dutch elm disease control in municipal areas in Illinois. *Arborist's News*, 26:51-55.
576. _____. 1961. Municipal control of Dutch elm disease in Illinois. *Natl. Shade Tree Conf. Proc.*, 37:128-134.

577. Ouellette, G.B. 1961. Studies of host and pathogen in relation to the infection of the Dutch elm disease caused by Ceratocystis ulmi (Buism.) C. Moreau. Diss. Abstr., 21:3585.
578. Pomerleau, R. 1961. History of the Dutch elm disease in the Province of Quebec. For. Chron., 37:356-367.
579. Reid, J. & L.T. White. Chemotherapy and the Dutch elm disease. Canada. Dept. For. For. Ent. & Path. Br. Bi-monthly Progress Rpt., 17(4):3.
580. Rosinski, M.A. 1961. Development of the ascocarp of Ceratocystis ulmi. Amer. J. Bot., 48:285-293.
581. Schroeder, D.B. & D.W. French. 1961. Dutch elm disease found in Minnesota. Plant Disease Reptr., 45:749.
582. Thompson, H.E., S.M. Pady & R.A. Keen. 1961. Dutch elm disease and its control in Kansas. Kansas. Agr. Exp. Sta. Bull. 434. 11pp.
583. Touhey, J.G. & D.E. Bray. 1961. An evaluation of certain compounds as feeding deterrents against the smaller European bark beetle Scolytus multistriatus. Jour. Econ. Ent., 54: 295-296.
584. Wallace, J.G., W.B. Nickell & R.F. Bernard. 1961. Bud mortality in the Dutch elm disease program in Michigan. Cranbrook Inst. Sci. Bull. 41. 44pp.
585. Watson, W.Y. & W.L. Sippell. 1961. Scolytid vectors of the Dutch elm disease in Ontario. Can. Ent., 93:403-405.
586. Whitten, R.R. 1961. Fall spraying is effective in Dutch elm disease control. Arborist's News, 26:73.
587. Wilson, C.L., M.C. McDaniel & C.F. Seymour. 1961. Dutch elm disease in Arkansas. Plant Disease Reptr., 45:900.
588. Epstein, A.H. & E.B. Smalley. 1962. An evaluation of sodium hypochlorite soil applications for control of Dutch elm disease. Plant Disease Reptr., 46:216-217.
589. Hart, J.H. & H.S. McNabb, Jr. 1962. Viscosity determinations of xylary fluid from healthy and Ceratocystis ulmi-diseased elms. Abstr. Phytopathology, 52:13.
590. Himelick, E.B. & D. Neely. 1962. Root grafting of city-planted American elms. Plant Disease Reptr., 46:86-87.
591. Holmes, F.W. 1962. Multidose injection apparatus for Dutch elm disease inoculations. Abstr. Phytopathology, 52:924.

592. Holmes, F.W. 1962. Recorded Dutch elm disease distribution in North America as of 1961. Plant Disease Repr., 46:715-718.
593. Kais, A.G., E.B. Smalley & A.J. Ricker. 1962. Environment and development of Dutch elm disease. Phytopathology, 52: 1191-1195.
594. Kramer, C.L. & H.E. Thompson. 1962. Dutch elm disease in Kansas in 1961. Plant Disease Repr., 46:189.
595. Kurtzman, R.H., Jr. 1962. Effects of a heat-stable constituent of Ceratocystis ulmi culture filtrate on ATP and water movement. Abstr. Phytopathology, 52:924.
596. Neely, D. & E.B. Himelick. 1962. Dutch elm disease and oak wilt "cures". Arborist's News, 27:1-3.
597. Ouellette, G.B. 1962. Morphological characteristics of Ceratocystis ulmi (Buijsm.) C. Moreau in American elm trees. Can. J. Bot., 40:1463-1466.
598. . 1962. Studies on the infection process of Ceratocystis ulmi (Buijsm.) C. Moreau in American elm trees. Can. J. Bot., 40:1567-1575.
599. Schreiber, L.R. & J.M. Harrison. 1962. Results of three treatments for the control of Dutch elm disease. Plant Disease Repr., 46:401-403.
600. Smalley, E.B. 1962. Factors influencing germ tube development in conidia of Ceratocystis ulmi. Abstr. Phytopathology, 52:753.
601. . 1962. Prevention of Dutch elm disease by treatments with 2, 3, 6-trichlorophenyl acetic acid. Phytopathology, 52:1090-1091.
602. . & A.J. Ricker. 1962. Reactions of several tropical members of the Ulmaceae to inoculation with Ceratocystis ulmi. Abstr. Phytopathology, 52:28.
603. Thomas, J.E. & C.L. Bower. 1962. The occurrence of Dutch elm disease in Oklahoma. Plant Disease Repr., 46:463.
604. Wilson, C.L. Dutch elm disease; status in Arkansas in 1962. Arkansas Farm Res., 11(6):4.

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