

JOURNAL PAPERS

- 1 The status of Escherichia astheniae (Dawson) Bergey, et al. M. W. Yale. Cornell Vet., 23 306-308. 1933.
- 2 Abnormal germination in dusted wheat. W. L. Crosier. Phytopath., 24 544-547. 1934.
- 3 Sterilization of milk cans by a gas torch flame. J. C. Marquardt. Milk Dealer, 22 No. 12, 50-62. 1933.
- 4 The influence of citric acid upon titratable acidity and hydrogen-ion concentration of frozen desserts. A. C. Dahlberg and J. C. Henning. Jour. Dairy Sci., 17 365-372. 1934.
- 5 The solubility of potassium acid tartrate: I. In tartaric acid and di-potassium tartrate solutions. D. C. Carpenter and G. L. Mack. Jour. Amer. Chem. Soc., 56 311-313. 1934.
- 6 The solubility of potassium acid tartrate: II. In various sugar solutions. D. C. Carpenter and J. J. Kucera. Jour. Amer. Chem. Soc., 56 324-327. 1934.
- 7 Carbonated apple juice. D. C. Carpenter. Nat. Bottlers Gaz., 52 No. 620, 50-54. 1933.
- 8 Hemolytic properties of the mastitis streptococcus. P. A. Hansen, G. J. Hucker, and M. A. Snyder. Amer. Jour. Pub. Health, 23 1262-1270. 1933.
- 9 High-temperature, short-time holding pasteurization in the United States. M. W. Yale. Proc. Ann. Conv. Intern. Assoc. Milk Dealers, 26 10-59. 1933.
- 10 Notes on the filbert orchard at Geneva. G. L. Slate. Northern Nut Growers Assoc. Rpt., 24 34-37. 1933.
- 11 Apple juice concentrate. D. C. Carpenter and E. C. Smith. Ind. & Eng. Chem., 26 449-454. 1934.
- 12 Heat transfer through pasteurizer linings. A. C. Dahlberg and J. C. Marquardt. Proc. Intern. Assoc. Milk Dealers, Lab. Sect., 1933 220-225. 1933.
- 13 The manufacture of strawberry, raspberry, and peach ice cream. A. C. Dahlberg and J. C. Henning. Rpt. Proc. Ann. Conv. Intern. Assoc. Ice Cream Mfg., 1933 106-112. 1933.
- 14 The effect of the temperature of incubation upon the agar plate count of milk. C. S. Pederson and M. W. Yale. Amer. Jour. Pub. Health, 24 477-484. 1934.

- 15 The examination of fermented foods by laboratory methods. C. S. Pederson. Amer. Jour. Pub. Health, 24, 229-234. 1934.
- 16 Gradient composition of rose shoots from tip to base. H. B. Tukey and E. L. Green. Plant Physiol., 9, 157-163. 1934.
- 17 Anomalous embryos of cultivated varieties of Prunus with particular reference to fruit breeding. H. B. Tukey. Bot. Gaz., 95, 493-497. 1934.
- 18 Growth of the peach embryo in relation to growth of fruit and season of ripening. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 30, 209-218. 1934.
- 19 Trials with pear stocks in New York. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 30, 361-364. 1934.
- 20 Why not grape ice? J. C. Hening and A. C. Dahlberg. Ice Cream Trade Jour., 30, No. 2, 19-20. 1934.
- 21 ~~Glucoreduction~~ ^{phenolindophe-} for the standardization of 2,6-dichloro-~~phenol~~ ^{nol} solutions used for the estimation of ascorbic acid (vitamin C). Z. I. Kertesz. Jour. Biol. Chem., 104, 483-485. 1934.
- 22 Tentative standards of concentration of tar distillate for certain insects. F. Z. Hartzell and G. W. Pearce. Jour. Econ. Ent., 27, 453-459. 1934.
- 23 Methods and results of an experimental biological control. D. M. Daniel. Ann. Ent. Soc. Amer., 29, 640-644. 1936.
- 24 Status of the codling moth in the northeastern states. S. W. Harman. Jour. Econ. Ent., 27, 143-145. 1934.
- 25 Experience with the codling moth in New York during 1933. P. J. Parrott. Jour. Econ. Ent., 27, 218-222. 1934.
- 26 The best parents in purple raspberry breeding. G. L. Slate. Proc. Amer. Soc. Hort. Sci., 30, 108-112. 1934.
- 27 Gladiolus thrips control studies and observations on bulb mite infestation. F. L. Gambrell. Jour. Econ. Ent., 27, 1154-1166. 1934.
- 28 The breeding of grapes for juice purposes. Richard Wellington. Proc. Amer. Soc. Hort. Sci., 30, 102-104. 1934.
- 29 Some comparisons between calcium arsenate and lead arsenate as general insecticides for apples. P. J. Chapman, G. W. Pearce, R. W. Dean, and O. H. Hammer. Jour. Econ. Ent., 27, 421-431. 1934.
- 30 Valeur relative des examens dans la mammite chronique des bovines. G. J. Hucker and P. ~~Amo~~ Hansen. Le Lait, 14, 226-248; 337-356. 1934.

- 31 The occurrence of Ascogaster carpocapsae in illuminated and sprayed areas of an apple orchard. D. L. Collins. Jour. Econ. Ent., 27, 379-382. 1934. un
- 32 Phototropic responses of the codling moth. P. J. Parrott and D. L. Collins. Jour. Econ. Ent., 27, 370-379. 1934. un
- 33 Seed treatments for control of root maggots. Hugh Glasgow. Jour. Econ. Ent., 27, 303-308. 1934. un
- 34 Black spot of germinating pea seed. W. Crosier. Phytopath., 24, 827-829. 1934. un
- 35 Can the endo medium be standardized? H. J. Conn and Mary A. Darrow. Stain Technol., 9, 61-69. 1934. un
- 36 New objective method to determine maturity of canned peas. Z. I. Kertesz. Food Ind., 6, 168-170. 1934. un
- 37 Characteristics of certain bacteria belonging to the autochthonous microflora of soil. H. J. Conn and Mary A. Darrow. Soil Sci., 39, 95-110. 1935. un
- 38 Gas torch flame sterilization of milk cans. J. C. Marquardt. Ind. Gas, 12, No. 8, 12-16. 1934. un
- 39 Studies with standard agar as employed in milk control work. C. S. Bowers and G. J. Hucker. Amer. Jour. Pub. Health, 24, 396-398. 1934. un
- 40 Aberrations in the chemical composition of peas from plants affected with root rot. Z. I. Kertesz, and J. G. Horsfall, and A. H. Rouse. Jour. Agr. Res., 49, 799-814. 1934. un
- 41 A preliminary report on the response of the European corn borer to light. G. E. R. Hervey and C. E. Palm. Jour. Econ. Ent., 28, 670-675. 1935. un
- 42 Copper analysis of foliage sprayed with cuprous oxide. L. L. Isenhour and J. G. Horsfall. Phytopath., 24, 1383. 1934. un
- 43 Xenia and metaxenia in apples. B. R. Nebel and Z. I. Kertesz. Gartenbauwiss., 9, 45-64. 1934. un
- 44 The determination of contact angles from measurements of the dimensions of small bubbles and drops: I. Acute angles. G. L. Mack. Jour. Phys. Chem., 40, 159-167. 1936. un
- 45 The optical rotation of casein. D. C. Carpenter. Jour. Amer. Chem. Soc., 57, 129-131. 1935. un
- 46 Water relations of enzymes: I. Influence of viscosity on invertase action. Z. I. Kertesz. Jour. Amer. Chem. Soc., 57, 345-347. 1935. un
- 47 Light as a factor influencing the dormancy of lettuce seed. A. L. Shuck. Plant Phys., 10, 193-196. 1935. un

- 48 Joined spores of Ascochyta viciae Lib. W. L. Crosier. Phytopath., 35, 283-284. 1935.
- 49 Winter injury of filberts at Geneva, 1933-34. G. L. Slate. Proc. Northern Nut Growers Assoc., 25, 36-40. 1934.
- 50 The determination of glucuronic and galacturonic acids by Bertrand's method. Z. I. Kertesz. Jour. Biol. Chem., 108, 127-129. 1935.
- 51 Cross-pollination trials with bud mutations of the apple. Olav Einset. Sonderabdruck aus die Gartenwissenschaft, 9, No. 2, 157-158. 1934.
- 52 Chromosomenstruktur, VI: Ein Ueberblick. B. R. Nebel. Der Züchter, 7, 132-136, 155. 1935.
- 53 Lettuce seeds form a growth-inhibiting substance. A. L. Shuck. Science, 81, 236. 1935.
- 54 The formation of a growth-inhibiting substance in germinating lettuce seeds. A. L. Shuck. Proc. Intern. Seed Testing Assoc., 7, No. 1, 9-14. 1935.
- 55 Methods of increasing cream viscosity. A. C. Dahlberg and J. C. Hening. Proc. 27th Ann. Conv. Intern. Assoc. Milk Dealers, Plant Sect., 52-62. 1934.
- 56 The codling moth control problem in districts infested with apple maggot. P. J. Chapman. Jour. Econ. Ent., 28, 184-187. 1935.
- 57 How we meet the codling moth situation in western New York. S. W. Harman. Jour. Econ. Ent., 28, 187-189. 1935.
- 58 A note on storage temperature of frozen fruits for ice cream. J. C. Hening. Ice Cream Field, 26, 22-23. 1935.
- 59 Chromosome structure in Tradescantiae, VII: Further observations on the direction of coiling in Tradescantia reflexa Raf. B. R. Nebel and M. L. Ruttle. Amer. Nat., 52, 226-236. 1935.
- 60 Apple pest control with special reference to tar oil sprays. F. Z. Hartzell. Proc. Conn. Pom. Soc., 44, 94-105. 1934.
- 61 The fruit tree leafrollers. P. J. Chapman. Proc. Conn. Pom. Soc., 44, 89-93. 1934.
- 62 Observations on the cracking of cherries. Z. I. Kertesz and B. R. Nebel. Plant Physiol., 10, 763-772. 1935.
- 63 Ascogaster carpocapsae Viereck in relation to arsenical sprays. James A. Cox and ~~Dorothy~~ M. Daniel. Jour. Econ. Ent., 28, 113-120. 1935.
- 64 Some further observations on the influence of artificial light upon codling moth infestations. P. J. Parrott and D. L. Collins. Jour. Econ. Ent., 28, 99-103. 1935.

- 65 Comments upon phototropism in the codling moth with reference to the physiology of the compound eye. D. L. Collins and William Machado. Jour. Econ. Ent., 28, 103-106. 1935.
- 66 The insecticidal efficiency of various nicotine compounds for control of the codling moth, 1934. S. W. Harman, T. W. Reed, and G. L. Mack. Jour. Econ. Ent., 28, 109-112. 1935.
- 67 The biology of the apple aphids in relation to fall spraying. T. W. Reed. Jour. Econ. Ent., 28, 379-385. 1935.
- 68 Methods for distinguishing between legume bacteria and their most common contaminant. A. W. Hofer. Jour. Amer. Soc. Agron., 27, 228-230. 1935.
- 69 Characteristics of triploid and diploid apple varieties: I. Measurements of stomata. B. R. Nebel. Proc. Amer. Soc. Hort. Sci., 32, 254-255. 1935.
- 70 Artificial culture methods for isolated embryos of deciduous fruits. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 32, 313-322. 1935.
- 71 Recent developments in the use of arsenical substitutes for vegetable pest control in New York. H. C. Hockett and G. E. R. Hervey. Jour. Econ. Ent., 28, 602-603. 1935.
- 72 Winter injury to grape seedlings. Richard Wellington. Proc. Amer. Soc. Hort. Sci., 32, 389-391. 1935.
- 73 Immediate and residual effects of certain insecticides on the white apple leafhopper. H. M. Steiner. Jour. Econ. Ent., 28, 385-388. 1935.
- 74 Larvicidal efficiency of certain spray combinations against the fruit tree leafroller. P. J. Chapman and R. W. Dean. Jour. Econ. Ent., 28, 376-379. 1935.
- 75 The best parents in red raspberry breeding. G. L. Slate. Proc. Amer. Soc. Hort. Sci., 32, 407-410. 1935.
- 76 Some recent developments in regard to tar distillate and tar lubricating oil sprays. F. Z. Hartzell, S. W. Harman, and T. W. Reed. Jour. Econ. Ent., 28, 263-268. 1935.
- 77 The effect of inoculation on the quality, chemical composition, and bacterial flora of sauerkraut. C. S. Pederson. Zentrbl. f'ur Bakt., II Abt., 92, 342-348. 1935.
- 78 The relation between temperature and the rate of fermentation of commercial sauerkraut. C. S. Pederson. Zentrbl. f'ur Bakt., II Abt., 92, 338-342. 1935.
- 79 Root development of beans, cabbage, and tomatoes as affected by fertilizer placement. C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 32, 564-571. 1935.
- 80 Observations upon the movement of seeds in bags when sampled with instruments. M. T. Munn. Proc. Intern. Seed Testing Assoc., 7, No. 1, 15-18. 1935.

- 81 The rate of occurrence of seeds of curled dock (Rumex crispus) in replicate analyses of seed of orchard grass (Dactylis glomerata). Mary E. Woodbridge. Proc. Intern. Seed Testing Assoc., 7, No. 1, 21-26. 1935.
- 82 Growth of the embryo, seed, and pericarp of the sour cherry (Prunus cerasus) in relation to season of fruit ripening. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 31, 125-144. 1935.
- 83 The spray residue problem of currants. P. J. Chapman and G. W. Pearce. Proc. 80th Ann. Meet. N. Y. State Hort. Soc., 250-265. 1935.
- 84 Substitutes for lead arsenate in cherry fruit fly control. Hugh Glasgow. Jour. Econ. Ent., 28, 205-207. 1935.
- 85 Some changes in stored corn meal. ~~Charles~~ O. Willits and F. J. Kokoski. Ind. & Eng. Chem., 27, 1494-1496. 1935.
- 86 The identity of raspberry mosaics. L. M. Cooley. Phytopath., 26, 44-56. 1936.
- 87 The isolation of raspberry plantings for the control of virus diseases. L. M. Cooley. Amer. Nurseryman, 61, No. 7, 7. 1935.
- 88 Water relations of enzymes: II. Water concentration required for invertase action. Z. I. Kertesz. Jour. Amer. Chem. Soc., 57, 1277-1279. 1935.
- 89 Alcohol-insoluble residue as an index of quality of sweet corn. R. R. Jenkins. Proc. Amer. Soc. Hort. Sci., 32, 587-592. 1935.
- 90 Media suggested as substitutes for the standard nutrient agar used in routine milk control work. R. S. Breed. Amer. Jour. Pub. Health, 25, 663-665. 1935.
- 91 On the detection of nitrate reduction. H. J. Conn. Jour. Bact., 31, 225-233. 1936.
- 92 The standardization of the Borden body flow meter for determining the apparent viscosity of cream. J. C. Henning. Jour. Dairy Sci., 18, 751-756. 1935.
- 93 Chromosome structure in Tradescantiae, VIII: The direction of coiling in Tradescantia reflexa Raf. as related to the mode of crossing over. B. R. Nebl and M. L. Ruttle. Cytologia, 6, 457-464. 1935.
- 94 The determination of contact angles from measurements of the dimensions of small bubbles and drops, II: The sessile drop method for obtuse angles. G. L. Mack and Dorothy A. Lee. Jour. Phys. Chem., 40, 169-176. 1936.
- 95 Pasteurization of New York State wines. C. S. Pederson, H. E. Goresline, and E. A. Beavens. Ind. & Eng. Chem., 27, 1257-1265. 1935.

- 96 The influence of neutral salts on the optical rotation of gelatin, III: Effect of the halides of lithium, sodium, rubidium, and caesium. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 57, 2337-2342. 1935. *un*
- 97 The influence of neutral salts on the optical rotation of gelatin, IV: Rotary dispersion of gelatin in sodium iodide solutions. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 57, 2342-2346. 1935. *un*
- 98 The catalytic chlorination of dioxane. J. J. Kucera and D. C. Carpenter. Jour. Amer. Chem. Soc., 57, 2346-2347. 1935. *un*
- 99 Detection and identification of seed-borne parasites. W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1935, 87-92. 1936. *un*
- 100 Ascochyta pisi viciae in seeds of vetch. W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1935, 82-86. 1936. *un*
- 101 Vitamin C content of vegetables, I: Spinach. D. K. Tressler, G. L. Mack, and C. G. King. Food Res., 1, 1-7. 1936. *un*
- 102 The relationship of composition to quality in goat's milk. J. C. Marquardt. The Goat World, 20, No. 11, 1-5. 1935. *un*
- 103 Frozen cherries for cherry ice cream. J. C. Hening. Ice Cream Trade Jour., 31, 11, 16. 1935. *un*
- 104 Artificial culture of isolated embryos of tree fruits with particular reference to fruit breeding. H. B. Tukey. Proc. 14th Int. Hort. Congress, 1936. Sect. I, Theme 1, Communications, 1935. *un*
- 105 Suggestions for the breeding of nut trees. G. L. Slate. Northern Nut Growers Assoc. Rpt., 26, 36-41. 1935. *un*
- 106 Problems in the fruit tree nursery. H. B. Tukey. Amer. Nurseryman, 61, 3-6. 1935. *un*
- 107 Fruit development in relation to orchard practice. H. B. Tukey. Proc. Amer. Pom. Soc., 50, 13-19. 1935. *un*
- 108 The value of the colon test as a means of detecting unsanitary conditions on the farm. M. W. Yale and R. Eglinton. Proc. Int. Assoc. Dairy & Milk Insp., 24, 116-125. 1935. *un*
- 109 A study of the species Lactobacillus plantarum (Orla-Jensen) Bergey, et al. C. S. Pederson. Jour. Bact., 31, 217-224. 1936. *un*
- 110 The pasteurization of Concord grape juice. C. S. Pederson. Food Res., 1, 9-27. 1936. *un*
- 111 Pectic enzymes. Z. I. Kertesz. Ergebnisse der Enzymforschung, 5, 233-258. 1936. *un*
- 112 A report of experiments for the control of larvae of Heliothis obsoleta Fabr. on western Long Island during 1935. L. A. Carruth. Jour. Econ. Ent., 29, 205-209. 1936. *un*

- 113 The European red mite problem on prunes in western New York. T. W. Reed. Jour. Econ. Ent., 29, 546-550. 1936.
- 114 Mass liberation of an oriental fruit moth parasite. D. M. Daniel. Jour. Econ. Ent., 29, 459-461. 1936.
- 115 Preservation of grape juice, II: Factors controlling the rate of deterioration of bottled Concord juice. D. K. Tressler and C. S. Pederson. Food Res., 1, 87-97. 1936.
- 116 The pear midge in relation to fruit set and the timing of control sprays. F. G. Munding. Jour. Econ. Ent., 29, 1058-1063. 1936.
and
- 117 Tar oil/lubricating oil sprays in relation to rosy aphid control and to winter injured trees. F. Z. Hartzell. Jour. Econ. Ent., 29, 556-561. 1936.
- 118 Detecting recontamination of pasteurized milk by bacteriological methods. W. H. Chilson, M. W. Yale, and R. Eglinton. Jour. Dairy Sci., 19, 337-343. 1936.
- 119 Further studies on the use of larvicides for control of the fruit tree leafroller with special reference to lead arsenate and supplements. P. J. Chapman and R. W. Dean. Jour. Econ. Ent., 29, 561-570. 1936.
- 120 The vitamin C content of vegetables, II: Peas. G. L. Mack, D. K. Tressler, and C. G. King. Food Res., 1, 231-235. 1936.
- 121 The influence of artificial illumination and other factors on the population and distribution of the codling moth. D. L. Collins and William Machado.
- *122 The acid and base combining capacity of egg albumin. D. C. Carpenter. ~~Jour. Amer. Chem. Soc.~~
- 123 The persistence of Hypholoma incertum Peck about tree stumps. F. C. Stewart. Mycologia, 28, 445-450. 1936.
- 124 Influence of the medium on the optimum temperature of incubation of agar plates prepared from milk samples. C. S. Pederson and M. W. Yale. Amer. Jour. Pub. Health, 26, 344-349. 1936.
- 125 Further studies of the composition of media for the bacteriological analysis of milk. C. S. Bowers and G. J. Hucker. Amer. Jour. Pub. Health, 26, 350-353. 1936.
- 126 The status of the generic term Bacterium Ehrenberg 1828. R. S. Breed and H. J. Conn. Jour. Bact., 31, 517-518. 1936.
- 127 What yield of rooted shoots may be expected from mother plantations of Malling apple and quince rootstocks? H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 33, 338-345. 1936.
- 128 Losses of vitamin C during the cooking of vegetables. Faith Fenton, D. K. Tressler, and C. G. King. Jour. Nutrition, 12, 285-295. 1936.

*Paper withdrawn; not indexed.

- 129 The Escherichia-Aerobacter group of bacteria in dairy products. M. W. Yale. B. W. Hammer Panegyric, 197-208. 1937.
- 130 Chemical studies on the open-pollinated, top-cross, and hybrid inbred strains of yellow sweet corn in relation to the quality of the canned product. R. R. Jenkins and C. B. Sayre. Food Res., 1, 199-216. 1936.
- 131 Factors influencing the vitamin C content of vegetables. D. K. Tressler, G. L. Mack, and C. G. King. Amer. Jour. Pub. Health, 26, 905-909. 1936.
- 132 The influence of method of sterilization equipment upon development of oxidized flavor in milk. R. C. Dahlberg and D. C. Carpenter. Jour. Dairy Sci., 19, 541-552. 1936.
- 133 A new reagent for potassium. A. W. Clark and C. O. Willits. Ind. & Eng. Chem., Anal. Ed., 8, 209-210. 1936.
- 134 Development of cherry and peach fruits as affected by destruction of the embryo. H. B. Tukey. Bot. Gaz., 98, 1-24. 1936.
- 135 A proximate germination test for non-after-ripening peach seed. H. B. Tukey and M. S. Barrett. Plant Phys., 11, 629-633. 1936.
- 136 A phase rule study of the calcium arsenates. G. W. Pearce and L. B. Norton. Jour. Amer. Chem. Soc., 58, 1104-1108. 1936.
- 137 Beverages from rhubarb. W. F. Walsh and D. K. Tressler. Fruit Prod. Jour., 15, 262-263. 1936.
- 138 The preservation of grape juice, III: Studies on the cool storage of grape juice. C. S. Pederson. Food Res., 1, 301-305. 1936.
- 139 Preservation of grape juice, IV: Pasteurization of juices or musts prepared from several varieties of grapes. C. S. Pederson, E. A. Beavens, and H. E. Goresline. Food Res., 1, 325-335. 1936.
- 140 Chromosome structure, X: An X-ray experiment. B. R. Nebel. Genetics, 21, 605-614. 1936.
- 141 The crystal structure of metaldehyde. L. Pauling and D. C. Carpenter. Jour. Amer. Chem. Soc., 58, 1270-1273. 1936.
- 142 The electron diffraction study of paraldehyde. D. C. Carpenter and L. O. Brockway. Jour. Amer. Chem. Soc., 58, 1274-1278. 1936.
- 143 The accuracy of certain methods used in the analysis of sauerkraut. C. S. Pederson and C. D. Kelly. Food Res., 1, 277-286. 1936.
- 144 The relationship of composition to quality in goat's milk, II. J. C. Marquardt. The Goat World, 21, No. 7, 1-10. 1936.
- 145 Methods for inspection of commercial legume inoculants. A. W. Hofer. Jour. Amer. Soc. Agron., 28, 655-671. 1936.
- 146 Metaxenia in apples, V. B. R. Nebel. Jour. Pom. & Hort. Sci., 14, 203-204. 1936.

- 147 Procedure used in an analytical and mycological study of seed wheat.
W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1936, 89-91. 1936.
- 148 Prevalence and significance of fungous associates of pea seeds. W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1936, 101-107. 1936.
- 149 Some observations on the decline in viability of Festuca rubra commutata.
S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1936, 76-79. 1936.
- 150 Pathogenic associates of tomato seed: Their prevalence, relation to field disease, and elimination. J. H. Miller and W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1936, 76-79. 1936.
- 151 Vitamin C in vegetables, IV: Ascorbic acid oxidase. Z. I. Kertesz, R. B. Dearborn, and G. L. Mack. Jour. Biol. Chem., 116, 717-725. 1936.
- 152 Metaxenia in apples. B. R. Nebel. Jour. Heredity, 27, 345-349. 1936.
- 153 The influence of neutral salts on the optical rotation of gelatin, V: Rotary dispersion of gelatin in sodium bromide solution. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 58, 2438-2441. 1936.
- 154 On the state of ascorbic acid in plant tissues. G. L. Mack. Nature, 138, 505-506. 1936.
- 155 Zell Forschung und Neuzüchtung beim Obst und bei der Rebe. B. R. Nebel. Ser. Grundlagen und Fortschritte im Garten und Weinbau, 29, 1-58. 1937.
- 156 Storage experiments with pollen of cultivated fruit trees. B. R. Nebel and M. L. Ruttle. Jour. Pomol. & Hort. Sci., 14, 347-359. 1937.
- 157 A note on feeding vitamin A and D concentrate in cod-liver oil to calves. A. C. Dahlberg and L. A. Maynard. Jour. Dairy Sci., 20, 59-61. 1937.
- 158 Chromosome structure, IX: Tradescantia reflexa Raf. and Trillium erectum L. B. R. Nebel and M. L. Ruttle. Amer. Jour. Bot., 23, 652-663. 1936.
- 159 Chromosome structure, XI: Hordeum vulgare L. and Secale cereale L. Cytologia, Fugii Jubilee Vol., 1, 553-568. 1937.
- 160 Chromosome structure, XIII: Meiosis in Dissosteira carolina L. B. R. Nebel and M. L. Ruttle. Zeitschrift für Zellforschung und mikroskopische Anatomie, 26, 281-292. 1937.
- 161 Vitamin C in vegetables, III: The oxidation of ascorbic acid by metallic catalysts. G. L. Mack and Z. I. Kertesz. Food Res., 1, 377-382. 1936.
- 162 Vitamin C content of vegetables, V: Cabbage. Stella Gould, D. K. Tressler, C. G. King. Food Res., 1, 427-434. 1936.
- 163 Chromosome structure, XII: Further radiation experiments with Tradescantia. B. R. Nebel. Amer. Jour. Bot., 24, 365-372. 1937.

Ruttle and
B. R. Nebel

- 164 A comparison of pressure and centrifugal homogenization of ice cream mixes. J. C. Hening. Jour. Dairy Sci., 19, 707-714. 1936.
- 165 A relation between seed attachment and carpel symmetry and development in *Prunus*. H. B. Tukey. Science, 84, 513-515. 1936.
- 166 The germination of secondary dormant tomato seeds and their formation. A. L. Shuck. Proc. Intern. Seed Testing Assoc., 8, 136-158. 1936.
- 167 Codling moth control with lead arsenate substitutes. S. W. Harman and T. W. Reed. Jour. Econ. Ent., 30, 82-86. 1937.
- 168 Reactions of aphids to colored insecticides. J. B. Moore. Jour. Econ. Ent., 30, 305-309. 1937.
- 169 Control of oyster-shell scale on apple by means of tar oils, tar-lubricating oils, and lubricating oils containing dinitro-ortho-cyclo-hexyl-phenol. F. Z. Hartzell and J. B. Moore. Jour. Econ. Ent., 30, 651-653. 1937.
- 170 The control of septic sore throats. G. J. Hucker. Amer. Jour. Pub. Health, 27, 313-320. 1937.
- 171 Factors controlling the growth of toxinproducing micrococci. G. J. Hucker and W. C. Haynes. Amer. Jour. Pub. Health, 27, 590-594. 1937.
- 172 The presence of mastitis streptococci in the mammary udder tissue. G. J. Hucker. Proc. 29th Ann. Conv. Intern. Assoc. Milk Dealers, Prod. Sect., 87-92. 1936.
- 173 The significance of the *Escherichia-Aerobacter* group of bacteria in ice cream. M. W. Yale. Proc. 36th Ann. Conv. Intern. Assoc. Ice Cream Manuf. 1936.
- 174 Embryo abortion in the peach in relation to chemical composition and season of fruit ripening. H. B. Tukey and F. A. Lee. Bot. Gaz., 98, 586-597. 1937.
- 175 Vitamin C in vegetables, VI: A critical investigation of the volumetric oxidation method for the determination of ascorbic acid. G. L. Mack and D. K. Tressler. Jour. Biol. Chem., 118, 735-742. 1937.
- 176 The survival of *Streptococcus pyogenes* in cheddar cheese. G. J. Hucker and J. C. Marquardt. New York State Assoc. Dairy & Milk Inspectors 10th Ann. Rpt., 171-174. 1936.
- 177 The reation of the corn ear worm and certain other insects to light traps. L. A. Carruth and T. W. Kerr, Jr. Jour. Econ. Ent., 30, 297-305. 1937.
- 178 The microbiological flora on the surface of limburger cheese. C. D. Kelly. Jour. Dairy Sci., 20, 239-264. 1937.
- 179 The effects of light traps upon a codling moth infestation--a consideration of four years' data. D. L. Collins and William Machado. Jour. Econ. Ent., 30, 422-427. 1937.
- 180 Stickers and spreaders used in lead arsenate sprays for codling moth control. S. W. Harman. Jour. Econ. Ent., 30, 404-407. 1937.

- 181 On the determination of plant enzymes. Z. I. Kertesz. Plant Physiol., 12, 845-851. 1937.
- 182 Desirable changes in standard media and incubation temperature. R. S. Breed. N. Y. State Assoc. Dairy & Milk Inspectors, 10th Ann. Rpt., 107-121. 1937.
- 183 The significance of the cell count in milk. R. S. Breed and G. J. Hucker. New York State Assoc. Dairy & Milk Inspectors, 10th Ann. Rpt., 205-220. 1937.
- 184 Chemical treatments helpful in germination tests of seeds. W. F. Crosier, S. R. Patrick, and Lloyd Taylor. Phytopath., 27, 797-798. 1937.
- 185 Control of the spruce gall aphid and other important nursery insect pests. F. L. Gambrell. Amer. Nurseryman, 65, No. 7, 3-6. 1937.
- 186 The classification of the genus Streptococcus. G. J. Hucker. Proc. 2nd Intern. Congress for Microbiology, 127-130. 1936.
- 187 The relation between the size of apple seedling rootstocks and size of orchard trees. K. D. Brase and H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 34, 298-304. 1937.
- 188 Breeding hardy Muscat grapes. Richard Wellington. Proc. Amer. Soc. Hort. Sci., 34, 421-425. 1937.
- 189 The size of fat globules in goat's milk. J. C. Marquardt. The Goat World, 22, No. 4, 1-4. 1937.
- 190 Changes in hydrogen-ion concentration in the growing apple fruit. Olav Einset. Die Gartenbaumwissenschaft, 11, 319-323. 1938.
- 191 Cucurbita hybrids. G. P. VanEseltine. Proc. Amer. Soc. Hort. Sci., 34, 577-581. 1937.
- 192 Zinc injury in germination tests. W. F. Crosier, S. R. Patrick, and C. O. Willits. Proc. Intern. Seed Testing Assoc., 9, 257-262. 1937.
- 193 Studies upon the copper fungicides, IV: The fungicidal value of the copper oxides. J. G. Horsfall, R. W. Marsh, and H. Martin. Ann. Applied Biol., 24, 867-882. 1937.
- 194 Cuprous oxide as a seed protectant. C. J. Hickman, J. G. Horsfall, and L. Ogilvie.
- 195 Cheese flavor investigations. J. C. Marquardt. Amer. Creamery & Poultry Prod. Rev., 83, No. 28, 1-9. 1937.
- 196 Abnormal germination resulting from improperly galvanized germinator trays. W. F. Crosier, S. R. Patrick, and M. T. Munn. Phytopath., 27, 867-868. 1937.
- 197 Vitamin C in vegetables, VII: Lima beans. D. K. Tressler, G. L. Mack, and R. R. Jenkins. Food Res., 2, 175-181. 1937.
- 198 The breeding of hardy seedless grapes. A. B. Stout. Proc. Amer. Soc. Hort. Sci., 34, 416-420. 1937.

- 199 Pectic enzymes, I: Influence of the hydrogen-ion concentration on the action of pectin-methylesterase. Z. I. Kertesz. Jour. Biol. Chem., 121, 589-598. 1937.
- 200 Further phase rule studies of the calcium arsenates. G. W. Pearce and A. W. Avens. Jour. Amer. Chem. Soc., 59, 1258-1261. 1937.
- 201 Methods for the manufacture of smoked type cheese. J. C. Marquardt. Nat. Butter & Cheese Jour., 28, No. 9. 1937.
- 202 A study of sugaring curds in the manufacture of cheddar cheese. J. C. Marquardt. Nat. Butter & Cheese Jour., 28, No. 10. 1937.
- 203 Results of the treatment of cheese milk or fresh curds with cured cheese. J. C. Marquardt. Nat. Butter & Cheese Jour., 28, No. 11. 1937.
- 204 Cooperative research in wine making at Geneva, N. Y. H. E. Goresline and D. K. Tressler. Amer. Wine & Liquor Jour., 1937 (June), 20, 32. 1937.
- 205 Comparison of solid with liquid media as a means of determining the presence of lactose-fermenting bacteria in pasteurized milk. M. W. Yale. Amer. Jour. Pub. Health, 27, 564-569. 1937.
- 206 The relation of lead to arsenic in spray residues from lead arsenate. G. W. Pearce and A. W. Avens. Jour. Econ. Ent., 31, 594-597. 1938.
- 207 Losses of vitamin C during the cooking of Swiss chard. Faith Fenton, D. K. Tressler, S. C. Camp, and C. G. King. Jour. Nutrition, 14, 631-640. 1937.
- 208 The gas-producing species of the genus *Lactobacillus*. C. S. Pederson. Jour. Bact., 35, 95-108. 1938.
- 209 Losses of vitamin C during the cooking of frosted foods. Faith Fenton and D. K. Tressler. Food Res., 3, 409-415. 1938.
- 210 The influence of neutral salts on the optical rotation of gelatine, VI: Rotary dispersion of gelatin in sodium chloride solutions. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 59, 2213-2216. 1937.
- 211 Vitamin C content of vegetables, VIII: Frozen peas. R. R. Jenkins, D. K. Tressler, and G. A. Fitzgerald. Food Res., 3, 133-140. 1938.
- 212 Losses of vitamin C during the cooking of carrots. Faith Fenton, D. K. Tressler, S. C. Camp, and C. G. King. Food Res., 3, 403-408. 1938.
- 213 The effect of using tryptone glucose milk agar and 32° C incubation on the bacterial colony count of ice cream. M. W. Yale and R. C. Hickey. Jour. Dairy Sci., 20, 755-760. 1937.
- 214 The value of chemical seed treatments in germination studies. W. F. Crosier and S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1937, 117-125. 1938.

- 215 The pathogenicity of Fusarium spp. in commercial pea seed. W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1937, 112-116. 1938.
- 216 Chromosome structure. B. R. Nebel and M. L. Ruttle. The Collecting Net, 12, No. 7. 1937.
- 217 Losses of vitamin C during the cooking of Northern Spy apples. Katherine M. Curran, D. K. Tressler, and C. G. King. Food Res., 2, 549-557. 1937.
- 218 Pectic enzymes, II: Pectic enzymes of tomatoes. Z. I. Kertesz. Food Res., 3, 481-487. 1938.
- 219 Plant parts of deciduous fruits which give evidence of being favorable for tissue culture. H. B. Tukey. Proc. Nat. Acad. Sci., 23, 577-580. 1937.
- 220 Changes in composition of granular and powdered fertilizers in the soil. C. B. Sayre and A. W. Clark. Jour. Amer. Soc. Agron., 30, 30-37. 1938.
- 221 Influence of chemical and soil factors upon the germination of seeds of small grains. W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1937, 126-129. 1938.
- 222 Commercial significance of hard seeds in peas. S. R. Patrick and W. F. Crosier. Proc. Assoc. Off. Seed Anal. N. Amer., 1937, 146-148. 1938.
- 223 Depolarization of muscle and nerve membranes by organic compounds. Rudolf Huber and B. R. Nebel. The Collecting Net, 12, No. 9. 1937.
- 224 Vitamin C content of vegetables, IX: Influence of the method of cooking on vitamin C content of cabbage. Marylizabeth Wellington and D. K. Tressler. Food Res., 3, 311-316. 1938.
- 225 Use of the gray flagella stain for slime-forming bacteria. A. W. Hofer and J. K. Wilson. Stain Technol., 13, 75-76. 1938.
- 226 Simple methods for the preparation and freezing of fruits and vegetables intended for storage in lockers. D. K. Tressler. Ice & Refrigeration, 94, 301-303. 1938.
- 227 The strawberry root weevil, Brachyrhinus ovatus L., as a pest of conifers in nursery plantings. F. L. Gambrell. Jour. Econ. Ent., 31, 107-113. 1938.
- 228 Southern corn shipments and their relation to corn ear worm infestations on Long Island. L. A. Carruth. Jour. Econ. Ent., 31, 256-259. 1938.
- 229 The fluorescence readings of the strains of the species of Lolium. M. T. Munn. Proc. Assoc. Off. Seed Anal. N. Amer., 1937, 136-137. 1938.
- 230 Experiment on rearing apple maggot adults. R. W. Dean. Jour. Econ. Ent., 31, 241-244. 1938.
- 231 Control of eye-spotted bud moth on apple by means of lubricating oil containing dinitro-o-cyclohexylphenol. F. Z. Hartzell, J. B. Moore, and D. E. Greenwood. Jour. Econ. Ent., 31, 249-252. 1938.

- 232 Experiments for control of the pine needle scale, *Chionaspis pinifoliae* Fitch. F. L. Gambrell. Jour. Econ. Ent., 31, 183-186. 1938.
- 233 The scurfy scale and its control. O. H. Hammer. Jour. Econ. Ent., 31, 244-249. 1938.
- 234 Cytological observations on colchicine. B. R. Nebel. Biol. Bul., 73, 351-352. 1937.
- 235 Recent problems on Long Island in the control of bean insects. H. C. Hockett. Jour. Econ. Ent., 31, 266-270. 1938.
- 236 Red copper oxide up-to-date. R. F. Suit. Amer. Rose Ann., 1938, 153-157. 1938.
- 237 Effects of orchard practices on natural enemies of the white apple leafhopper. H. M. Steiner. Jour. Econ. Ent., 31, 232-240. 1938.
- 238 Further studies with lead arsenate substitutes for codling moth control. S. W. Harman and J. B. Moore. Jour. Econ. Ent., 31, 223-226. 1938.
- 239 Seed sterilization. A. W. Hofer and H. C. Hamilton. Proc. Soil Sci. Soc. Amer., 2, 253-254. 1938.
- 240 Methods of testing cultures of root nodule bacteria for efficiency. A. W. Hofer. Proc. Soil Sci. Soc. Amer., 2, 311-313. 1938.
- 241 Preservation of grape juice, V: Pasteurization of grape and apple juices for storage or immediate fermentation. E. A. Beavens, H. E. Goresline, and C. S. Pederson. Food Res., 3, 467-479. 1938.
- 242 The cytological and genetical significance of colchicine. B. R. Nebel and M. L. Ruttle. Jour. Heredity, 29, 2-9. 1938.
- 243 Disintegration of paper board for bacteriological examination. J. R. Sanborn. Amer. Jour. Pub. Health, 28, 576-578. 1938.
- 244 Varieties of vegetables suitable for freezing. W. T. Tapley.
- 245 The number of legume bacteria in commercial cultures as related to nodule formation. A. W. Hofer. Jour. Amer. Soc. Agron., 30, 451-460. 1938.
- 246 Standard agar counts compared with counts on improved agars at 32° C. M. W. Yale. Amer. Jour. Pub. Health, 28, 148-154. 1938.
- 247 The Khalili as a parent for breeding early grapes. Richard Wellington. Proc. Amer. Soc. Hort. Sci., 35, 76-79. 1938.
- 248 Dwarf fruit trees. H. B. Tukey. Amer. Nurseryman, 67, No. 9, 1938.
- 249 Stock and cion terminology. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 35, 378-382. 1938.
- 250 Suitable paper wrappers and containers for food. J. R. Sanborn. Amer. Jour. Pub. Health, 28, 571-578. 1938.

- 251 Losses of vitamin C during the cooking of certain vegetables. Faith Fenton and D. K. Tressler. Jour. Home Econ., 30, 717-722. 1938.
- 252 The development of pink color in sauerkraut. C. S. Pederson and C. D. Kelly. Food Res., 3, 583-588. 1938.
- 253 Growth-promoting substances in the rooting of soft wood cuttings of deciduous fruits. K. D. Brase. Proc. Amer. Soc. Hort. Sci., 35, 431-437. 1938.
- 254 Growth patterns of plants developed from immature embryos in artificial culture. H. B. Tukey. Bot. Gaz., 99, 630-665. 1938.
- 255 Reasonable sanitary standards for paper products. J. R. Sanborn. Paper Trade Jour., 106, No. 12, 1-3. 1938.
- 256 The effect of feeding mangels or dried beet pulp to cows on the development of oxidized flavor in milk. J. C. Hening and A. C. Dahlberg. Jour. Dairy Sci., 21, 345-352. 1938.
- 257 The occurrence of apple blossoms with prolonged central axes and its bearing upon flower morphology. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 35, 117-127. 1938.
- 258 The flagellation of bacteria. H. J. Conn and Gladys E. Wolfe. Science, 87, 283-284. 1938.
- 259 Some common mints and their hybrids. ~~Mabel~~ L. Ruttle. The Herbarist, 1938, No. 4, 17-29. 1938.
- 260 Observations on the system ascorbic acid-glutathione-ascorbic acid oxidase. Z. I. Kertesz. Biochem. Jour., 33, 621-625. 1938.
- 261 ~~Effect of bordeaux mixture and its various elements on transpiration. Observations on the system ascorbic acid-glutathione-ascorbic acid oxidase.~~ Effect of bordeaux mixture and its various elements on transpiration. J. G. Horsfall and A. L. Harrison. Jour. Agr. Res., 58, 423-443. 1939.
- 262 Research with rootstocks for fruit trees and ornamental plants in the United States of America. H. B. Tukey.
- 263 The flash pasteurization of apple juice. C. S. Pederson and D. K. Tressler. Ind. & Eng. Chem., 30, 954-959. 1938.
- 264 The vitamin C content of sauerkraut. C. S. Pederson, G. L. Mack, and W. L. Athawes. Food Res., 4, 31-45. 1939.
- 265 On the alleged ascorbic acid component of liver esterase. Z. I. Kertesz. Arkiv. F r Kemi, Min. Och Deol., 12B, No. 57, 1-4. 1938.
- 266 The cause of loss of vitamin C from bottled tomato juice. D. K. Tressler and Katherine M. Curran. Jour. Home Econ., 30, 487-488. 1938.
- 267 Vitamin C in vegetables, XI: Storage temperatures for frosted vegetables. R. R. Jenkins, D. K. Tressler, and G. A. Fitzgerald. Ice & Cold Storage, 41, No. 483, 100-101. 1938.

- 268 The effect of moisture on soil as a medium for bacterial growth.
H. J. Conn and Mary A. Darrow. Soil Science, 46, 365-377. 1938.
- 269 The influence of neutral salts on the optical activity of proteins and amino acids. D. C. Carpenter. Cold Spring Harbor Symposia on Quantitative Biology, 6, 244-251. 1938.
- 270 Flagella staining as a routine test for bacteria. H. J. Conn and Gladys E. Wolfe. Jour. Bact., 36, 517-520. 1938.
- 271 Studies on the control of gas in Limburger cheese. C. D. Kelly. Jour. Dairy Sci., 22, 299-307. 1939.
- 272 Bacteria, enzymes, and vitamins--indices of quality in frozen vegetables. D. K. Tressler. Refrig. Eng., 36, 319-321. 1938.
- 273 Importance of refrigeration in conserving the vitamin C content of fresh vegetables. D. K. Tressler. Ice & Cold Storage, 41, 141-142. 1938.
- 274 Lactic acid-producing bacteria in fermentation and food spoilage. C. S. Pederson. Food Res., 3, 317-321. 1938.
- 275 The influence of substances on the optical rotation of gelatin, VII: Rotary dispersion of gelatin in urea solutions. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 60, 2288-2294. 1938.
- 276 Chemical control of molds when germinating lima beans. W. F. Crosier and Carrie Nelson. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 189-194. 1939.
- 277 Injuries to seedlings induced by chemicals dissolving from germinator trays. W. F. Crosier and S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 253-254. 1939.
- 278 The treatment of seeds with indolebutyric acid and its effects. Dolores E. Weimer. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 263-268. 1939.
- 279 Pectic enzymes, III: The heat inactivation of tomato pectin-methoxylase (pectase). Z. I. Kertesz. Food Res., 4, 113-116. 1939.
- 280 Canada bluegrass seed is sensitive to germinative conditions. S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 247-248. 1939.
- 281 Hardshell in peas and beans. W. F. Crosier and S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 221-226. 1939.
- 282 Sources of lead in maple syrup and a method for its removal. C. O. Willits and C. J. Tressler, Jr. Food Res., 3, 449-452. 1938.
- 283 A study of quality variations in summer and winter made cheese. J. C. Marquardt. Jour. Dairy Sci., 21, 5. 1938.
- 284 Some observations regarding noxious weed seed determinations. Mary E. Woodbridge. Proc. Assoc. Off. Seed Anal. N. Amer., 1938, 113-117. 1939.

- 285 Chemical elimination of saprophytes during laboratory germination of seed peas. W. F. Crosier and S. R. Patrick. Jour. Agr. Res., 58, 397-422. 1939.
- 286 A simple method of measuring the interfacial friction of dusted seeds. R. F. Suit and J. G. Horsfall. Phytopath., 29, 200-204. 1939.
- 287 Freezing of fruits and vegetables in lockers. D. K. Tressler. Refrig. Eng., 36, 233-235. 1938.
- 288 A study of the rate of occurrence of certain weed seeds in replicate analyses of the seed of timothy (Phleum pratense). Mary E. Woodbridge. Proc. Intern. Seed Testing Assoc., 11, 5-24. 1939.
- 289 The influence of hydrogen-ion concentration and salt on the surface flora of limburger cheese. C. D. Kelly and J. C. Marquardt. Jour. Dairy Sci., 22, 309-320. 1939.
- 290 The preparation and painting of maple sugar producing equipment. C. O. Willits and C. J. Tressler, Jr. Jour. Agr. Res., 59, 151-158. 1939.
- 291 Reduction of milk losses in milk plants. A. C. Dahlberg, J. C. Henning, and H. L. Durham. Intern. Assoc. Milk Dealers Bul., 10, No. 1, 11-20. 1938.
- 292 Dwarfing of cucurbits sprayed with bordeaux mixture. J. G. Horsfall, G. E. R. Hervey, and R. F. Suit. Jour. Agr. Res., 58, 911-927. 1939.
- 293 Vitamin C in vegetables, X: Snap beans. G. L. Mack and C. G. King. Food Res., 4, 309-316. 1939.
- 294 Cytogenetic results with colchicine. B. R. Nebel. Biol. Zentralblatt, 59, 79-87. 1939.
- 295 Further studies on seed sterilization. A. W. Hofer and H. C. Hamilton. Soil Sci. Soc. Amer. Proc., 3, 167-168. 1939.
- 296 Dormant spray problems in New York. F. Z. Hartzell. Jour. Econ. Ent., 32, 274-277. 1939.
- 297 The preparation and freezing of certain vegetables in lockers. Clarence DuBois and D. K. Tressler. Refrig. Eng., 39, No. 2, 107-108. 1940.
- 298 A histological study of the developing fruit of the sour cherry (Prunus cerasus L.). H. B. Tukey and Oran Young. Bot. Gaz., 100, 723-749. 1939.
- 299 The tarnished plant bug as an apple pest. O. H. Hammer. Jour. Econ. Ent., 32, 259-264. 1939.
- 300 The sanitation of paper milk containers. J. R. Sanborn and R. S. Breed. The Milk Dealer, April, 1939.
- 301 Sanitary condition of paper containers for retail packaging of perishable foods. J. R. Sanborn. Amer. Jour. Pub. Health, 29, 439-442. 1939.
- 302 The element of timing in relation to pea aphid control. High Glasgow. Jour. Econ. Ent., 32, 234-240. 1939.

- 303 Determination of ascorbic acid by an electrometric titration method.
Mary Mann Kirk and D. K. Tressler. Ind. & Eng. Chem., Anal. Ed.,
11, 322-323. 1939.
- 304 Dormant spray mixtures on conifers: Notes on plant tolerance and insect
control. F. L. Gambrell and F. Z. Hartzell. Jour. Econ. Ent., 32,
206-209. 1939.
- 305 Removal of lead in maple syrup by means of base exchange material. C. O.
Willits and C. J. Tressler, Jr. Food Res., 4, 461-468. 1939.
- 306 Use of nutrient solutions and hormones in the water for transplanting
tomatoes and their effect on earliness and total yields. C. B. Sayre.
Proc. Amer. Soc. Hort. Sci., 36, 732-736. 1938.
Chromosome structure:
- 307 /On coiling in chromosomes. B. R. Nebel. Amer. Nat., 73, 289-299. 1939.
- 308 Use of agar slants in determining the sanitary quality of milk. G. J.
Hucker and W. C. Haynes. Amer. Jour. Pub. Health, 29, 651-654. 1939.
- 309 Colchicine and the production of polyploid essential oil plants. Mabel
L. Ruttle. The Herbarist, No. 5, 20-27. 1939.
- 310 Effect of calcium on plant tissues. Z. I. Kertesz. The Canner, 88, No. 7,
26. 1939.
- 311 Studies of top and root growth of young apple trees in soil and peat-soil
mixtures of varying moisture contents. H. B. Tukey and K. D. Brase.
Proc. Amer. Soc. Hort. Sci., 36, 18-27. 1939.
- 312 The carotene (vitamin A) content of fresh and frosted peas. C. R. Stimson,
L. A. Maynard, and D. K. Tressler. Food Res., 4, 475-483. 1939.
- 313 Spraying for red-banded leaf roller and eye-spotted budmoth. S. W. Harman.
Mass. Fruit Growers Assoc., 45th Ann. Meet., 1939, 165-170. 1939.
- 314 Relation of particle size and color to fungicidal and protective value
of cuprous oxide. J. W. Heuberger and J. G. Horsfall. Phytopath., 29,
303-324. 1939.
- 315 A characterization of Bacterium radiobacter (Beijerinck and van Delden)
Lohnis. A. W. Hofer. Jour. Bact., 41, 193-224. 1941.
- 316 The distribution of nicotine between water and petroleum oils. L. B.
Norton. Ind. & Eng. Chem., 32, 241-244. 1940.
- 317 Experiments in plum pollination. Olav Einset. Gartenwissenschaft, 13,
318-326. 1939.
- 318 Effect of calcium on canned tomatoes. Z. I. Kertesz. The Canner, 88,
No. 24, 14-16. 1939.
- 319 The behavior of Malling apple rootstocks in the nursery. H. B. Tukey and
K. D. Brase. Proc. Amer. Soc. Hort. Sci., 36, 113-115. 1939.

- 320 Observations on Mazzard and Mahaleb seedlings bench-grafted to varieties of sweet and sour cherries. K. D. Brase. Proc. Amer. Soc. Hort. Sci., 36, 110-112. 1939.
- 321 Occurrence and longevity of Ascochyta pisi Lib. in seeds of winter vetch, Vicia villosa Roth. W. F. Crosier. Jour. Agr. Res., 59, 683-698. 1939.
- 322 Effect of fruit thinning on size, color, and yield of peaches and on growth and blossoming of the tree. H. B. Tukey and Olav Einset. Proc. Amer. Soc. Hort. Sci., 36, 314-319. 1938.
- 323 Correlation of number of seed to weight of fruit in the apple. Olav Einset. Gartenbau wissenschaft, 13, 351-353. 1939.
- 324 Proposed changes in the scoring of cheddar cheese. J. C. Marquardt. Nat. Butter & Cheese Jour., 30, ~~March~~ 1939. 4, 12.
- 325 A study of winter and summer made cheddar cheese. J. C. Marquardt. Nat. Butter & Cheese Jour., 30, ~~March~~ 1939. 9, 25.
- 326 The ascorbic acid (vitamin C) content of broccoli, cauliflower, endive, cantaloup, parsnip, New Zealand spinach, kohlrabi, lettuce, and kale. Katherine Wheeler, D. K. Tressler, and C. G. King. Food Res., 4, 593-604. 1939.
- 327 Pectic enzymes, IV: Structural considerations in connection with the enzymic hydrolysis of pectins. Jour. Amer. Chem. Soc., 61, 2544-2548. 1939.
- 328 Standards for rating cheddar cheese. J. C. Marquardt. Jour. Dairy Sci., 22, 430-431. 1939.
- 329 Silicotungstic acid determination of nicotine: Errors involved and a new technic for the steam distillation of nicotine. A. W. Avens and G. W. Pearce. Ind. & Eng. Chem., Anal. Ed., 11, No. 9. 505-509. 1939.
- 330 The preparation of commercial calcium arsenate for use as an orchard insecticide. G. W. Pearce and A. W. Avens. Jour. Econ. Ent., 33, 159-162. 1940.
- 331 Cooperative research on fruit juices at Geneva, N. Y. C. S. Pederson, E. A. Beavens, and D. K. Tressler. Fruit Prod. Jour., 18, 330-331. 1939.
- 332 The flavor of milk as affected by the level of feeding dairy cows. J. C. Hening and A. C. Dahlberg. Jour. Dairy Sci., 22, 883-888. 1939.
- 333 Chromosome structure. B. R. Nebel. Bot. Rev., 5, 563-626. 1939.
- 334 Taxonomic relationships of Alcaligenes, Spp. to certain soil saprophytes and plant parasites. H. J. Conn and Gladys E. Wolfe. Jour. Bact., 39, 207-226. 1940.
- 335 The effect of soil moisture on the acid content of tomatoes--a preliminary report. F. A. Lee and C. B. Sayre. Food Res., 5, 69-72. 1940.

- 336 The determination of carotene in fresh and frozen vegetables: Carotene content of green snap beans and sweet corn. W. I. Zimmerman, D. K. Treesler, and L. A. Maynard. Food Res., 5, 93-101. 1940.
- 337 The influence of organic electrolytes and non-electrolytes upon the membrane potentials of muscle and nerve. Rudolf H^uber and B. R. Nebel. Jour. Cell. & Comp. Physiol., 13, 195-218. 1939.
- 338 The influence of sampling on the accuracy of the tenderometer. F. A. Lee. The Canner, 89, No. 12, 13. 1939.
- 339 The ineffectiveness of certain seed treatments to reveal origin of red clover seed. Dolores E. Weimer. Proc. Assoc. Off. Seed Anal. N. Amer., 1939, 106-108. 1940.
- 340 Freezing foods on the farm. D. K. Tressler. Refrig. Eng., 40, 30-31. 1940.
- 341 The flow of cream through narrow glass tubes. G. W. Scott-Blair, J. C. Henning, and A. Wagstaff. Jour. Phys. Chem., 43, 853-864. 1939.
- 342 Goat's milk and its supervision. J. C. Marquardt. Jour. Milk Technol., 2, 280-285. 1939.
- 343 Moisture vapor proofness of wrapping materials used on frozen foods. C. W. DuBois and D. K. Tressler. Paper Trade Jour., 109, No. 20, 15-18. 1939.
- 344 Improved method for the rapid estimation of lead in maple products. C. O. Willits and C. J. Tressler, Jr. Jour. Assoc. Off. Agr. Chem., 23, 411-416. 1940.
- 345 Partial vapor pressure from nicotine solutions at 25°. L. B. Norton, C. R. Bigelow, and W. B. Vincent. Jour. Amer. Chem. Soc., 62, 261-264. 1940.
- 346 Preservation of fruit products. C. S. Pederson and E. A. Beavens. Food Ind., 1940, April, 61-63. 1940.
- 347 Tenderometer readings as an index of quality of fresh asparagus. R. R. Jenkins and F. A. Lee. Food Res., 5, 161-166. 1940.
- 348 Splitting the CONH linkage by means of ultraviolet light. D. C. Carpenter. Jour. Amer. Chem. Soc., 62, 289-291. 1940.
- 349 Chlorazol black E as an acetocarmine auxillary stain. B. R. Nebel. Stain Technol., 15, 69-72. 1940.
- 350 Longevity of pollen in apple, pear, plum, peach, apricot, and sour cherry. B. R. Nebel. Proc. Amer. Soc. Hort. Sci., 37, 130-132. 1940.
- 351 Preliminary observations on physiological and cytological effects of certain hydrocarbons on plant tissues. R. L. Patton and B. R. Nebel. Amer. Jour. Bot., 27, 609-613. 1940.
- 352 Identifying the Festuca species in commerce. M. T. Munn. Proc. Assoc. Off. Seed Anal. N. Amer., 1939, 104-105. 1939-1940.

- 353 Experiences in New York with nonresidue sprays for the codling moth.
S. W. Harman. Jour. Econ. Ent., 33, 340-342. 1940.
- 354 Results from field tests during 1939 for rosy aphid and budmoth control.
F. Z. Hartzell and P. J. Chapman. Jour. Econ. Ent., 33, 336-339. 1940.
- 355 Further observations on basic viscosity of ice cream mixes and a simplified procedure to obtain it. E. S. Penczek and A. C. Dahlberg. Jour. Dairy Sci., 23, 691-700. 1940.
- 356 Maturity studies on new hybrid varieties of sweet corn. F. A. Lee and C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 37, 759-762. 1940.
- 357 A plot arrangement for timing the applications of a control program.
Hugh Glasgow. Jour. Econ. Ent., 33, 358-361. 1940.
- 358 The place of rotenone-bearing insecticides in the control of the elm leaf beetle, Galerucella xanthomelaena Schrank. Jour. Econ. Ent., 33, 264-269. 1940.
- 359 The accuracy of plate counts made from milk products as affected by the temperature of incubation. C. S. Pederson and R. S. Breed. Amer. Jour. Pub. Health, 30, 162-164. 1940.
- 360 Behavior of Malling apple rootstocks in soils of high, medium, and low moisture contents. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 37, 305-310. 1940.
- 361 Growth and development of the embryo and fruit of the peach as affected by ringing and defoliation of the branches. H. B. Tukey and F. A. Lee. Bot. Gaz., 101, 818-838. 1940.
- 362 Breeding autumn-fruiting raspberries. G. L. Slate. Proc. Amer. Soc. Hort. Sci., 37, 574-578. 1940.
- 363 The Ontario grape and its seedlings as parents. Richard Wellington. Proc. Amer. Soc. Hort. Sci., 37, 630-634. 1940.
- 364 Progress in breeding for seedless grapes. A. B. Stout. Proc. Amer. Soc. Hort. Sci., 37, 627-629. 1940.
- 365 Microbiological content of paperboard used in the packaging of foods.
J. R. Sanborn. Amer. Jour. Pub. Health, 30, 247-255. 1940.
- 366 Influence of chemical and thermal treatments on infection of cruciferous seedlings by Alternaria Spp. and Rhizopus nigricans. W. F. Crosier and S. R. Patrick. Proc. Assoc. Off. Seed Anal. N. Amer., 1939, 116-120. 1940.
- 367 Some fungi associated with grass seed. W. F. Crosier and Dolores Weimer. Proc. Assoc. Off. Seed Anal. N. Amer., 1939, 120-124. 1940.
- 368 Root growth and flower production of roses in soil and soil-peat mixtures of varying moisture contents. K. D. Brase. Proc. Amer. Soc. Hort. Sci., 37, 963-966. 1940.

- 369 The calculation of weight average molecular weights during the course of decomposition of homogenous linear polymers. W. H. Durfee and Z. I. Kertesz. Jour. Amer. Chem. Soc., 62, 1196-1198. 1940.
- 370 The elimination of mastitis. G. J. Hucker. Ann. Rpt., New York State Assoc. Dairy & Milk Inspectors, 13, 29-34. 1939.
- 371 Results of a demonstration sale of cherry cocktail. D. K. Tressler and C. S. Pederson. Fruit Prod. Jour., 19, No. 7, 195-197. 1940.
- 372 A comparison of nutrient solutions for transplanting tomatoes and for packing souther plants for shipment. C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 37, 905-909. 1940.
- 373 Pectic enzymes, V: The fate of pectins in the animal body. Z. I. Kertesz. Jour. Nutrition, 20, 289-296. 1940.
- 374 Note on the effect of the calcium treatment on the acid content and pH of canned tomatoes. F. A. Lee and Z. I. Kertesz. The Canner, 90, No. 21, 12. 1940.
- 375 The effect of calcium and potassium fertilizers on the solidity and the calcium and potassium content of canned tomatoes. C. B. Sayre, Z. I. Kertesz, and J. D. Loconti. Jour. Amer. Soc. Agron., 32, 389-394. 1940.
- 376 Size relationships of trees of five varieties of apples on several clonal rootstocks. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 37, 299-304. 1940.
- 377 Determination of carotene in fresh and frozen vegetables by an improved method, II: The carotene content of asparagus and green lima beans. W. I. Zimmerman, D. K. Tressler, and L. A. Maynard. Food Res., 6, 57-68. 1941.
- 378 More accurate determinations of volatile fatty acid and other changes as a means to study cherrad cheese curing. J. C. Marquardt and A. C. Dahlberg. Jour. Dairy Sci., 23, 518-519. 1940.
- 379 Pentatomids attacking tomatoes and experiments on control. F. J. Munding. Jour. Econ. Ent., 33, 275-278. 1940.
- 380 Vitamin C in vegetables, XIII: Storage temperatures for frosted vegetables. R. R. Jenkins, D. K. Tressler, J. C. Moyer, and J. McIntosh. Refrig. Eng., 39, 381-382. 1940.
- 381 Dwarf fruit trees. H. B. Tukey. Gardeners' Chron. of Amer., May, 1940.
- 382 Development of the female reproductive system in Rhagoletis pomonella Walsh (Dipt.: Trypetidae). R. W. Dean. Ann. Ent. Soc. Amer., 35, 397-410. 1942.
- 383 A rapid objective method for determining the quality of frozen peas. F. A. Lee. Ind. & Eng. Chem., Anal. Ed., 13, 38-39. 1941.
- 384 The boundary tension of gallium. G. L. Mack, F. E. Bartell, and J. K. Davis. Jourl Phys. Chem., 45, 846-851. 1941.

- 385 Influence of rate of freezing and temperature of storage on quality of frozen meat. C. W. DuBois and D. K. Tressler. Proc. Inst. Food Technol., ~~1940~~ 167-179. 1940. 1,
- 386 The determination of the quality of vegetables. F. A. Lee. Proc. Inst. Food Technol., 1, 33-38. 1940.
- 387 The ratio of lead to arsenic in spray residues from lead arsenate, II. G. W. Pearce and A. W. Avens. Jour. Econ. Ent., 33, 918-920. 1940.
- 388 Containers for apple and other fruit juices pasteurized by the flash method. C. S. Pederson, H. G. Beattie, and E. A. Beavens. Proc. Inst. Food Technol., 1, 205-211. 1940.
- 389 The effect of processing on the vitamin C content of foods. C. G. King and D. K. Tressler. Proc. Inst. Food Technol., 1, 123-132. 1940.
- *390 The calcium arsenates. G. W. Pearce and A. W. Avens.
- 391 Polarographic determination of ascorbic acid. Mary Mann Kirk. Ind. & Eng. Chem., Anal. Ed., 13, 625. 1941.
- 392 The effect of different cooking methods on the vitamin C content of quick frozen vegetables. Jennie McIntosh and D. K. Tressler. Jour. Home Econ., 32, 692-695. 1940.
- 393 A presumptive test for the oral contamination of drinking utensils. L. A. Dick and G. J. Hacker. Jour. Milk Technol., 3, 307-313. 1940.
- 394 The effect of headspace on the keeping quality of bottled wines. C. S. Pederson, H. E. Goresline, A. L. Curl, and E. A. Beavens. Ind. & Eng. Chem., 33, 304-307. 1941.
- 395 Studies of the bulk fermentation process for making sparkling cider. D. K. Tressler, R. F. Celmer, and E. A. Beavens. Ind. & Eng. Chem., 33, 1027-1031. 1941.
- 396 The spore germination of bacteria commonly found in paper and paper products. R. S. Breed. Tech. Assoc. Pulp & Paper Ind., Tech. Assoc. Papers, Ser. 23, No. 1, 72-74. 1940.
- 397 The whence and whither of milk sanitation. R. S. Breed. Can. Pub. Health Jour., 1940, 411-423. 1940.
- 398 The distribution of nicotine and its compounds between water and vegetable oils. L. B. Norton. Ind. & Eng. Chem., 33, 812-813. 1941.
- 399 Value of salt in cheese making. J. C. Marquardt and L. Resi. Nat. Butter & Cheese Jour., 31, No. 10, 1-3. 1940.
- 400 Improving milk and milk fat production. J. C. Marquardt. The Goat World, 25, 1-4. 1940.
- 401 Ascorbic acid content of pigmented fruits, vegetables, and their juices. Mary Mann Kirk and D. K. Tressler. Food Res., 6, 395-411. 1941.

* Paper withdrawn; not indexed.

- 402 The effect of feeding apple sauce on induced diarrhea in rats. Z. I. Kertesz, Martha S. Walker, and C. M. McCay. Amer. Jour. Digestive Dis., 8, 124-128. 1941.
- 403 Changes in the vitamin C content of Bartlett pears in cold and gas storage. D. K. Tressler and J. C. Moyer. Food Res., 6, 373-376. 1941.
- 404 Factors affecting the survival of Streptococcus pyogenes in cheese. Jour. Milk Technol., 3, 326-333. 1940.
- 405 Dextrose and corn sirup for frozen desserts. A. C. Dahlberg and E. S. Penczek. Proc. Intern. Assoc. Ice Cream Mnf., 40, 31-39. 1941.
- 406 Milking machines: Their operation and effect upon milk production and mastitis. A. C. Dahlberg. Intern. Assoc. Milk Dealers Bul., 13, 336-340. 1941.
- 407 Codling moth control studies, 1940. S. W. Harman and D. E. Greenwood. Jour. Econ. Ent., 34, 268-270. 1941.
- 408 The use of petroleum oils as insecticides, I: Determination of the amount of oil deposited on apple bark in dormant spraying. G. W. Pearce, A. W. Avens, and P. J. Chapman. Jour. Econ. Ent., 34, 202-206. 1941.
- 409 The use of petroleum oils as insecticides, II: Some factors affecting the amount of oil deposited on apple bark in dormant spraying. P. J. Chapman, G. W. Pearce, and A. W. Avens. Jour. Econ. Ent., 34, 207-212. 1941.
- 410 Identification of calcium pectate as the tissue-firming compound formed by the treatment of tomatoes with calcium chloride. J. D. Loconti and Z. I. Kertesz. Food Res., 6, 499-508. 1941.
- 411 Two Buprestid cane-borers of brambles in New York State and experiments on control. F. G. Munding. Jour. Econ. Ent., 34, 532-537. 1941.
- 412 A method for quickly determining the pure seed content of bluegrass. Bette Cullinan. Proc. Assoc. Off. Seed Anal. N. Amer., 1940, 81-83. 1941.
- 413 Bacterial contamination of seeds. A. W. Hofer and H. C. Hamilton. Soil Sci. Soc. Amer. Proc., 5, 264-265. 1941.
- 414 Radioactive tracer methods for the determination of the deposition of arsenic in the silk worm. L. B. Norton and Roy Hansberry. Jour. Econ. Ent., 34, 431-437. 1941.
- 415 The quality of seed farmers grow and plant—a seeder survey. L. E. Everson. Proc. Assoc. Off. Seed Anal. N. Amer., 1940, 75-77. 1941.
- 416 Influence of phytohormones on germination and growth of cereals. W. F. Crosier, S. R. Patrick, and Dolores Weimer. Proc. Assoc. Off. Seed Anal. N. Amer., 1940, 83-86. 1941.
- 417 The limitations of Chaenomeles lagenaria Wilsonii as a horticultural plant. G. L. Slate. Proc. Amer. Soc. Hort. Sci., 38, 471. 1941.

- 418 Some observations on the codling moth control problem in eastern New York. O. H. Hammer. Mass. Fruit Growers Assoc. Rpt., 47th Ann. Meet., 133-140. 1941.
- 419 The effect of seed treatment on the stand and yield of peas in New York. The Canner, 92, Nos. 6, 56, 58, 60, 62; No. 7, 16, 18. 1941.
- 420 Recent advances in the chemistry of the proteins. D. C. Carpenter. Jour. Chem. Educ., 18, 274-276. 1941.
- 421 A proposed method for the bacteriological examination of flat surfaces. W. G. Walter and G. J. Hucker. Amer. Jour. Pub. Health, 31, 487-490. 1941.
- 422 Nutrient or starter solutions and vitamin B for transplanting tomatoes. C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 38, 489-495. 1941.
- 423 Attraction of the apple fruit fly, Rhagoletis pomonella, to protein baits. Jour. Econ. Ent., 34, 123. 1941.
- 424 Methods for the bacteriological examination of milk bottle caps, hoods, and closures. J. R. Sanborn and R. S. Breed. Ann. Rpt. N. Y. State Assoc. Dairy & Milk Inspectors, 14, 317-323. 1941.
- 425 Response of germinants from beans, corn, and peas to seed treatments with hormones and mercurials. W. F. Crosier and C. E. Heit. Proc. Assoc. Off. Seed Anal., 1940, 88-92. 1941.
- 426 The penetration of calcium into canned whole tomatoes. Z. I. Kertesz and J. D. Loconti. The Canner, 92, No. 10, 11-13. 1941.
- 427 ^{Accuracy and} ~~Significance and accuracy~~ of bacterial counts from paper and paperboard. R. S. Breed and J. R. Sanborn. Paper Trade Jour., 113, 24-29. 1941.
- 428 Natural fruit flavors for ~~Varaschino~~-type cherries. F. A. Lee and E. A. Beavens. Food Ind., 13, No. 7, 52-54. 1941.
- 429 Failure of seedlings of apple, peach, pear, and rose to respond favorably to vitamin B. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 38, 339-340. 1941.
- 430 Three-year performance of sixteen varieties of apples on ~~Malling~~ IX rootstocks. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 38, 321-327. 1941.
- 431 Synthetic soil as a bacteriological culture medium. H. J. Conn and Jean E. Conn. Soil Sci., 52, 121-136. 1941.
- 432 Results of a demonstration sale of apple raspberry juice. C. S. Pedersoh, H. G. Beattie, and E. A. Beavens. Fruit Prod. Jour., 20, 227-228. 1941.
- 433 Boiling point elevation of sucrose solutions. C. J. Tressler, Jr., W. I. Zimmerman, and C. O. Willits. ~~Food Research Council~~ Jour. Phys. Chem., 45, 1242-1245. 1941.

- 434 Deleading maple sirup by clarification. C. J. Tressler, Jr., and W. I. Zimmerman. Food Ind., 13, No. 10, 52-53. 1941.
- 435 The production of muskmelons in the greenhouse as an aid in the breeding program. W. D. Enzie. Proc. Amer. Soc. Hort. Sci.,
- 436 A technic used in self-pollinating the muskmellon, Cucumis melo. W. D. Enzie.
- 437 Induced polyploidy in floriculture. S. L. Emsweller and Mabel L. Ruttle. Amer. Nat., 75, 310-328. 1941.
- 438 The effect of inoculation on maturity of canning peas in New York State. A. W. Hofer and J. K. Wilson. Soil Sci. Soc. Amer. Proc., 6, 183-186. 1942.
- 439 Value of pigmentation in classifying Actinomycetes--a preliminary report. H. J. Conn and Jean E. Conn. Jour. Bact., 42, 791-799. 1941.
- 440 ~~Observations on the relation of darris sprays to~~ Mexican bean beetle. ~~control~~ H. C. Hockett. Jour. Econ. Ent., 34, 566-571. 1941.
- 441 A comparative study of standard agars for determining bacterial counts from water. W. L. Mallmann and R. S. Breed. Amer. Jour. Pub. Health, 31, 341-343. 1941.
- 442 Timing cabbage worm treatments. G. E. R. Hervey. Amer. Econ. Ent., 34, 572-575. 1941.
- 443 Fertilizer placement for vegetable crops and possibilities of improved methods. C. B. Sayre. Fert. Rev.,
- 444 ~~A comparison of three procedures for~~ Determining volatile fatty acids in ~~cheddar and Limburger~~ cheese. J. C. Marquardt and A. C. Dahlberg. Nat. Butter & Cheese Jour., 32, No. 8, 40-42. 1941.
- 445 Economic losses due to the activities of microorganisms. J. R. Sanborn and Raphael A. Gillotte. Paper Trade Jour., May, 33-37. 1941.
- 446 An attempt to judge the tenderness of vegetables and meats by means of the tenderometer. C. W. DuBois and F. A. Lee. Proc. Inst. Food Technol., 1941, 37-41. 1941.
- 447 Structure of plant chromosomes with particular emphasis on number of chromonemata. B. R. Nebel. Cold Spring Harbor Symp. in Quantitative Biol. 1941.
- 448 Processing and storage of fruit juice. C. S. Pederson, H. G. Beattie, and E. A. Beavens. Proc. Inst. Food Technol., 1941, 75-83. 1941.
- 449 The preparation and processing of peach, pear, and plum juices. E. A. Beavens and H. G. Beattie. The Canner, 24, No. 21, 15-18, 20. 1942.
- 450 Determining volatile acids in cheese. J. C. Marquardt and A. C. Dahlberg. Nat. Butter & Cheese Jour., 32, No. 8, 40-44. 1941.

- 451 Developments in the microbiology of paper and paperboard products. J. R. Sanborn. Modern Packaging, 14, No. 12. 1941.
- 452 Height and diameter of budlings of five varieties of apples on Malling rootstocks in the nursery. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 39, 245-246. 1941.
- 453 Developments in the homogenization of ice cream mixes. J. C. Hening. Ice Cream Field, 38, 14, 34-36. 1941.
- 454 The use of petroleum oils as insecticides, III: Some correlations between oil deposit and the control of fruit tree leafroller and other apple pests. P. J. Chapman, G. W. Pearce, and A. W. Avens. Jour. Econ. Ent., 34, 639-647. 1941.
- 455 The performance of Malling apple rootstocks in the nursery as regards stand of lining out stock and production of nursery trees. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 39, 247-252. 1941.
- 456 Laboratory germination of belladonna (Atropa belladonna) seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1941, 84-87. 1942.
- 457 Approximate germination tests of dormant seeds by excising embryos. C. E. Heit and Carrie Nelson. Proc. Assoc. Off. Seed Anal., 1941, 87-89. 1942.
- 458 New Zealand spinach germination studies. C. E. Heit and M. T. Munn. Proc. Assoc. Off. Seed Anal., 1941, 90-95. 1942.
- 459 Hot water for dishwashing in public eating establishments. W. G. Walter and G. J. Hucker.
- 460 Progress in cheese research in the United States. J. C. Marquardt. Monthly Jour. Agr. Pract. & Sci.,
- 461 Split seeds in peas and beans. W. F. Crosier. Proc. Assoc. Off. Seed Anal., 1941, 66-69. 1942.
- 462 Some observations in the germination of grass seeds. W. F. Crosier and Bette Cullinan. Proc. Assoc. Off. Seed Anal., 1941, 69-74. 1942.
- 463 The adaptive enzymes of certain strains of yeast. H. E. Rhoades. Jour. Bact., 42, 99-116. 1941.
- 464 Mold count as an index to tomato juice quality. W. C. Haynes. Canning Age, 22, 438, 439, 458. 1941.
- 465 Identification of the white particles found in ripened cheddar cheese. F. L. Dorn and A. C. Dahlberg. Jour. Dairy Sci., 25, 31-36. 1942.
- 466 Note on invertase activity in identical mixtures in the liquid and frozen state. Z. I. Kertesz. Jour. Amer. Chem. Soc., 64, 2577-2578. 1942.
- 467 Time interval between full bloom and fruit ripening for several varieties of apples, pears, peaches, and cherries. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 40, 133-140. 1942.

- 468 Chemical changes accompanying the growth and development of the seed and fruit of the Elberta peach. F. A. Lee and H. B. Tukey. Bot. Gaz., 104, 348-355. 1942.
- 469 Gross morphology and histology of the developing fruit of the apple. H. B. Tukey and J. O. Young. Bot. Gaz., 104, 3-25. 1942.
- 470 Protein aldehyde plastics, I: The combination of formaldehyde with acid and rennet casein. D. C. Carpenter and F. E. Lovelace. Ind. & Eng. Chem., 34, 759-765. 1942.
- 471 Characteristics of different types of nicotine sprays, I: Nicotine residues. L. B. Norton and C. B. Billings. Jour. Econ. Ent., 34, 630-635. 1941.
- 472 Determining the maturity of frozen vegetables, II: A rapid objective method for whole kernel corn. F. A. Lee, Dominic DeFelice, and R. R. Jenkins. Ind. & Eng. Chem., Anal. Ed., 14, 240-241. 1942.
- 473 Observations on the composition of cheddar cheeses. J. C. Narquardt and M. W. Yale. Nat. Cheese Jour., 32, No. 12, 16-24. 1941.
- 474 High-temperature pasteurization from the small operator's viewpoint. A. C. Dahlberg. Bul. Intern. Assoc. Milk Dealers, 34, 174-178. 1942.
- 475 Single service containers for distribution of fluid milk. J. R. Sanborn. Jour. Amer. Vet. Med. Assoc., 51, 477-480. 1942.
- 476 Ascorbic acid content of five quick-frozen vegetables as affected by composition of cooking utensil and volume of cooking water. Jennie A. McIntosh, D. K. Tressler, and Faith Fenton. Jour. Home Econ., 34, 314-318. 1942.
- 477 The use of petroleum oils as insecticides, IV: The efficiency of dormant-type oils in relation to their composition. G. W. Pearce, P. J. Chapman, and A. W. Avens. Jour. Econ. Ent., 35, 211-220. 1942.
- 478 An investigation of the mineral oil treatment for corn ear worm control. L. A. Carruth. Jour. Econ. Ent., 35, 227-233. 1942.
- 479 The place of concentrated sprays in the pea aphid control program. Hugh Glasgow. Jour. Econ. Ent., 35, 649-653. 1942.
- 480 Note on the determination of the maturity of frozen peas. F. A. Lee. Ind. & Eng. Chem., Anal. Ed., 14, 241. 1942.
- 481 Validity of the genus *Alcaligenes*. H. J. Conn. Jour. Bact., 44, 353-360. 1942.
- 482 A method of separating cream which affects coiling off after freezing and thawing. J. C. Henning. Ice Cream Trade Jour., 38, No. 7, 20, 48, 49, 51. 1942.
- 483 Pathogenic bacteria in public places. W. G. Walter and G. J. Hucker. Soap & San. Chem., 18, No. 2, 99-105. 1942.

- 484 Sanitizing effect of alkyl-dimethyl-benzyl-ammonium chloride on beverage glasses. W. G. Walter and G. J. Hucker. The Sanitarian, June-July. 1942.
- 485 Germinating seeds of southern grasses. Bette Cullinan. Proc. Assoc. Off. Seed Anal., 1941, 74-76. 1942.
- 486 Studies relating to soft curd milk. J. C. Marquardt. The Milk Dealer, 31, No. 8, 27-28. 1942.
- 487 Curd strength of evaporated milk. J. C. Marquardt. Jour. Dairy Sci., 25, 427-433. 1942.
- 488 Chromosomal effects of low X-ray doses on five-day Tradescantia microspores. L. D. Marinelli, B. R. Nebel, Norman Giles, and D. R. Charles. Amer. Jour. Bot., 29, 866-874. 1942.
- 489 Studies on rotenone and other organic insecticides for codling moth control. Jour. Econ. Ent., 35, 223-226. 1942.
- 490 Catalase determination: A simplified apparatus. R. R. Thompson. Ind. & Eng. Chem., Anal. Ed., 14, 585. 1942.
- 491 Calcium oxide and sugar in cheese manufacture. J. C. Marquardt. Nat. Butter & Cheese Jour., 33, No. 8, 40-42. 1942.
- 492 Lima beans respond to seed treatment. G. L. McNew. The Canner, 94, No. 17, 10-12. 1942.
- 493 The production of clover seed. Leroy Everson. Proc. Assoc. Off. Seed Anal., 1941, 82-84. 1942.
- 494 Some seed control field problems. M. T. Munn and B. E. Clark. Proc. Assoc. Off. Seed Anal., 1941, 103-104. 1942.
- 495 A review of the microbiology of commercial sugar and related sweetening agents. G. J. Hucker and C. S. Pederson. Food Res., 7, 459-480. 1942.
- 496 Gas production in storage molasses. G. J. Hucker and R. F. Brooks. Food Res., 7, 481-494. 1942.
- 497 Relation of the number of leucocytes in milk to streptococcus infections of the bovine udder. G. J. Hucker. Jour. Milk Technol., 5, 323-333. 1942.
- 498 Beta hemolytic streptococci isolated from public room floors. W. G. Walter and G. J. Hucker. Jour. Inf. Dis., 71, 237-240. 1942.
- 499 Public health compliance by manufacturers of paper for packaging perishable foods. J. R. Sanborn. Jour. Milk Technol., 5, 88-93. 1942.
- 500 Results of a demonstration sale of fruit juice blends. H. G. Beattie and C. S. Pederson. Fruit Prod. Jour., 21, Apr. No., 227, 240, 251, 253. 1942.

- 501 Comparative cytology of a sterile intra- and fertile intervarietal tetraploids of Antirrhinum majus L. A. H. Sparrow, M. L. Ruttle, and B. R. Nebel.
- 502 Should chemically treated pea seed be inoculated? George L. McNew and Alvin W. Hofer. The Canner, 94, No. 19, 11, 12, 24. 1942.
- 503 The influence of lime on the toxicity of lead arsenate to cabbage worms. G. E. R. Hervey and G. W. Pearce. Jour. Econ. Ent., 35, 554-558. 1942.
- 504 A method for the direct determination of sulfur. G. L. Mack and J. M. Hamilton. Ind. & Eng. Chem., Anal. Ed., 14, 604-606. 1942.
- 505 Objective methods for determining the maturity of vegetables: Frozen whole kernel corn. F. A. Lee and D. DeFelice.
- 506 The effect of the rate of freezing and temperature of storage on the quality of frozen poultry. Clarence W. DuBois, Donald K. Tressler, and Faith Fenton.
- 507 Effect of mill operations on the number of bacteria found in paper and paper board products. J. R. Sanborn.
- 508 Lipoid oxidase studies: I. A method for the determination of lipoxidase activity. R. J. Sumner. Ind. and Eng. Chem., Anal. Ed., 15, 14-15, 1943.
- 509 Lipoid oxidase studies: II. The specificity of the enzyme lipoxidase. R. J. Sumner. Jour. Biol. Chem., 146,
- 510 Lipoid oxidase studies: III. The relationship between carotene oxidation and the enzymic peroxidation of unsaturated fats. R. J. Sumner and J. B. Sumner. Jour. Biol. Chem., 146,
- 511 Lipoid oxidase studies: IV. The lipoxidase content of commercial soybean meals. R. J. Sumner and D. K. Tressler.
- 512 A flagella staining technic for soil bacteria. Paul J. Fisher and Jean E. Conn. Stain Tech., 17, 117-122. 1942.
- 513 Growth stimulation of peas by tetra-chloro-para-benzoquinone, a fungicidal seed protectant. George L. McNew. Science, 96, 118-119. 1942.
- 514 The effect of different cooking methods on the vitamin C content of quick-frozen broccoli. Barbara Barnes, ~~and~~ Donald K. Tressler and Faith Fenton. Food Res., 8, 13-26. 1943.
- 515 The history of standard methods for the examination of dairy products of the American Public Health Association. Robert S. Breed. Pa. Assoc. Dairy Sanitarians, 18th Ann. Rpt., 141-154. 1942.
- 516 The determination of thiamin in vegetables. James C. Moyer and Donald K. Tressler. Ind. & Eng. Chem., Anal. Ed., 14, 788-790. 1942.

- 517 Acidified vegetable juice blends. H. G. Beattie and Carl S. Pederson. Food Res., 8, 45-53. 1943.
- 518 The thiamin content of fresh and frozen vegetables. James C. Moyer and Donald K. Tressler. Food Res., 8, 58-61. 1943.
- 519 A medium adapted to the bacteriophage of *Rhizobium leguminosarum*. Theresa Campbell and A. W. Hofer. Jour. Bact., 45, 406-407. 1943.
- 520 Semi-quantitative determinations of bacteriophage in soils. Elizabeth J. Bottcher and A. W. Hofer. Jour. Bact., 45, 407-408. 1943.
- 521 The reaction of formaldehyde with l-Asparagine. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 64, 2899-2902. 1942.
- 522 Influences of heating upon the properties of milk for cheese making. J. C. Marquardt. Nat. Cheese Inst. Pub., Mimeograph Ser. 1942.
- 523 Note on invertase activity in identical mixtures in the liquid and frozen state. Z. I. Kertesz. Jour. Amer. Chem. Soc., 64, 2577-2578. 1942.
- 524 Recent advances in fruit and vegetable juice preparation and preservation. D. K. Tressler, Carl S. Pederson and H. G. Beattie. Ind. & Eng. Chem., 35, 96-100. 1943.
- 525 Recent developments in freezing foods. Domenic DeFelice. Ind. & Eng. Chem., 35, 26-28. 1943.
- 526 Losses of vitamins which may occur during the storage of dehydrated vegetables. Donald K. Tressler, James C. Moyer and Katherine A. Wheeler. Amer. Jour. Pub. Health, 33, 975-979. 1943.
- 527 The determination of the toughness of frozen asparagus. F. A. Lee. Food Res., 8, 249-253. 1943.
- 528 *Micrococcus rubens* Migula 1900. Robert S. Breed. Jour. Bact., 45, 455-457. 1943.
- 529 Quality control for the plant too small to have a technical laboratory. Robert S. Breed. Int. Assoc. Milk Dealers Bul., 35, No. 10, 152-156. 1943.
- 530 Losses of Vitamins which may occur during the cooking of dehydrated vegetables. Faith Fenton, B. Barnes, J. C. Moyer, Katherine Wheeler and D. K. Tressler. Amer. Jour. Public Health, 33, 799-806. 1943.
- 531 Particle size of sulphur and copper fungicides in relation to apple scab and cedar-apple rust control. J. M. Hamilton, D. H. Palmiter and G. L. Mack. Phytopath., 33, 533-550. 1943.
- 532 Trials of organic materials in pre-harvest sprays for cherries. D. H. Palmiter and J. M. Hamilton. Phytopath., 33, 683-690. 1943.

- 533 Preliminary tests with Uramon in foliage sprays to supply nitrogen to fruit trees. J. M. Hamilton, D. H. Palmiter and L. C. Anderson. Proc. Amer. Soc. Hort. Sci., 42, 123-126. 1943.
- 534 A possible non-enzymatic mechanism of changes occurring in the pectic substances and other polysaccharides in living plants. Z. I. Kertesz. Plant Physiol., 18, 308-309. 1943.
- 535 The nutritive value of dehydrated vegetables. J. C. Moyer. Jour. Amer. Diet. Assoc., 19, 13-17. 1943.
- 536 Relation of composition to the efficiency of foliage or summer-type petroleum fractions. P. J. Chapman, G. W. Pearce and A. W. Avens. Jour. Econ. Ent., 36, 241-247. 1943.
- 537 Chromosome length in relation to transmission frequency of maize trisomes. John Einset. Genetics, 28, 349-364. 1943.
- X 538 Determining moisture in dehydrated vegetables. F. A. Lee & J. C. Moyer. Food Ind., 1943.
- 539 Fertilizer responses of Black Raspberry in western New York in demonstrational and experimental layouts. R. C. Collison and G. L. Slate. Proc. Amer. Soc. Hort. Sci., 42, 463-466. 1943.
- 540 An evaluation of the use of French hybrid wine grapes in breeding hardy grapes for the eastern United States. G. D. Oberle. Proc. Amer. Soc. Hort. Sci., 42, 413-417. 1943.
- 541 Effect of seed borne microorganisms on germination. Willard Crosier. Int. Crop Improvement Assoc. Ann. Rpt., 1941, 22-25. 1942.
- 542 Simplification of laboratory control procedures for market milk. Robert S. Breed. Amer. Jour. Pub. Health, 33, 386-392. 1943.
- 543 The thiamin content of fresh and frozen peas and corn before and after cooking. Barbara Barnes and Donald K. Tressler. Food Res., 8, 420-427. 1943.
- 544 The reaction of formaldehyde with 1 (♂)-aspartic and 1 (♂)-glutamic acids. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 65, 1161-1165. 1943.
- 545 Further studies on rotenone and other organic insecticides for codling moth control. S. W. Harman. Jour. Econ. Ent., 36, 200-204. 1943.
- 546 A second report on the best parents in strawberry breeding. George L. Slate. Proc. Amer. Soc. Hort. Sci., 43, 175-179. 1943.
- 547 The pigment production of Actinomyces coelicolor and A. violaceus-ruber. Jean E. Conn. Jour. Bact., 46, 133-149. 1943.

- 548 Certain packaging requirements for dehydrated vegetables. J. R. Sanborn and G. J. Hucker. Paper Trade Jour., 116, No. 17, 27-33. 1943.
- 549 Preparation and preservation of juices from certain small fruits. Carl S. Pederson and H. G. Beattie. Fruit Prod. Jour., 22, 260-264; 281, 287. 1943.
- 550 Changes occurring in fruit juices during storage. H. G. Beattie, K. A. Wheeler and Carl S. Pederson. Food Res., 8, 395-404. 1943.
- 551 The buffering effect of fruit juices. Carl S. Pederson and H. G. Beattie. Food Res., 8, 405-408. 1943.
- X 552 A source of muskmelon mosaic resistance found in the oriental pickling melon, Cucumis melo Var. Conomon. W. D. Enzie. Proc. Amer. Soc. Hort. Sci., 43, 1943.
- 553 Seasonings, their effect on maintenance of quality in storage of frozen ground pork and beef. C. W. DuBois and D. K. Tressler. Proc. Inst. Food Technol., 1943, 202-207. 1943.
554. The maturity of raw lima beans as judged by means of an improved tenderometer. F. A. Lee. Food Ind., 15, 70-71; 132. 1943.
- 555 Effect of inoculation on yield of canning peas in New York State. A. W. Hofer. Soil Sci., 56, 117-126. 1943.
- 556 Preliminary results from the use of freezing plates for locker plant freezing and farm freezing and storage cabinets with observations on farm-operated cabinets. Clarence W. DuBois and Donald K. Tressler. Refrigerating Eng., 46, 25-30; 68. 1943.
- 557 The dwarfing effect of an intermediate stem-piece of Malling IX scionwood on double-worked apple trees of Baldwin, Delicious, Early McIntosh and McIntosh. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 42, 357-364. 1943.
- 558 Chemical seed protectants as laboratory fungicides. Willard Crosier. Assoc. Off. Seed Anal. News Letter, 17, No. 2, 27-28. 1943.
- 559 Chemical treatment of cabbage seed. Willard Crosier. Assoc. Off. Seed Anal., News Letter, 17, No. 3, 10-12. 1943.
- X 560 Varietal adaptability of New York State vegetables to dehydration. J. C. Moyer, et al. The Canner,
- 561 Some new problems in sauerkraut manufacture. Carl S. Pederson. Proc. Inst. Food Technol., 1943, 170-175. 1943.
- 562 Pyrex glass tubing as a substitute for metal pipes in food and dairy plants. G. J. Hucker and Robert E. Thomas. Jour. Milk Technol., 6, 197-213. 1943.
- 563 The isoelectric point of asclepain. D. C. Carpenter and F. E. Lovelace. Jour. Amer. Chem. Soc., 65, 2364-2365. 1943.

- 564 The ascorbic acid, thiamin, riboflavin, and carotene content of asparagus and spinach in the fresh, stored and frozen state both before and after cooking. Ella G. Gleim, D. K. Tressler and Faith Fenton. Food Res., 9, 471-490. 1944.
- X 565 The reaction of certain bacterial growth stimulants in tomato, carrot and cabbage juices to vitamins and other growth factors. Theresa E. Campbell and G. J. Hucker.
- 566 The riboflavin requirements of certain lactic acid bacteria. Theresa E. Campbell and G. J. Hucker. Food Res., 9, 197-205. 1944.
- 567 An attack of fire-blight upon trees of Pyrus betulaefolia. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 43, 129-130. 1943.
- 568 The congeniality of some American varieties of apples on the Malling rootstocks. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 43, 143-146. 1943.
- 569 The uncongeniality of the McIntosh apple when top-worked onto Virginia crab. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 43, 139-142. 1943.
- 570 Determination of Agrobacterium radio-bacter in soil. A. W. Hofer. Soil Sci. Soc. Amer. Proc., 8, 248-249. 1944.
- 571 A quick method for evaluating treatments in grape leafhopper control and for analyzing the heterogeneity of infestation previous to treatments. F. Z. Hartzell and J. L. Horsfall. Jour. Econ. Ent., 37, 219-224. 1944.
- 572 San Jose Scale control experiments. P. J. Chapman, A. W. Avens and G. W. Pearce. Jour. Econ. Ent., 37, 307. 1944.
- 573 A comparison of dust and spray programs for codling moth control. S. W. Harman. Jour. Econ. Ent., 37, 208-211. 1944.
- 574 Comparative laboratory and field germination of onion seed. B. E. Clark. Proc. Assoc. Off. Seed Anal., 1942, 90-99. 1943.
- 575 Snow-on-the-mountain (Euphorbia marginata) seed data: A rapid method of detecting viability. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1942, 78-82. 1943.
- 576 Persistent hard seededness in Early Perfection peas. Willard Crosier and Stewart Patrick. Proc. Assoc. Off. Seed Anal., 1942, 114-118. 1943.
- 577 International analysis certificates prove efficient. Bette Cullinan. Proc. Assoc. Off. Seed Anal., 1942, 67-68. 1943.
578. Weed trends in red and alsike clover seed since 1911. Leroy Everson. Proc. Assoc. Off. Seed Anal., 1942, 68-69. 1943.
- 579 Materials and methods in controlling seed-contaminating micro-organisms. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1942, 104-108. 1943.

- 580 Toxicity to seedlings of zinc from germinator trays. Helen L. Munn and E. V. Staker. Proc. Assoc. Off. Seed Anal., 1942, 82-88. 1943.
- 581 Baldheads in beans: Occurrence and influence on yields. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1942, 118-123. 1943.
- 582 Germination response of vernalized *Taraxacum* seed. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1942, 88-90. 1943.
- 583 Effect of side dressings of different sodium and nitrogenous salts on yield of beets. C. B. Sayre and John I. Shafer, Jr. Proc. Amer. Soc. Hort. Sci., 44, 453-456. 1944.
- 584 The performance of seedlings derived from selfing and crossing the McIntosh apple. Richard Wellington and G. H. Howe. Proc. Amer. Soc. Hort. Sci., 44, 273-279. 1944.
- 585 Cytological basis for sterility in induced autotetraploid lettuce, *Lactuca sativa* L. John Einset/ Amer. Jour. Bot., 31, 336-342. 1944.
- 586 A second report on the breeding of autumn-fruiting red raspberries. G. L. Slate and R. F. Suit. Proc. Amer. Soc. Hort. Sci., 44, 283-288. 1944.
- 587 Fertilizer experiments with strawberries in Oswego County, New York. R. C. Collison. Proc. Amer. Soc. Hort. Sci., 44, 295-298. 1944.
- 588 Protein-aldehyde plastics. II. The reaction of formaldehyde with deaminized casein. D. C. Carpenter and F. E. Lovelace. Ind. & Eng. Chem., 36, 680-682. 1944.
- 589 Lima bean seed treatment on Long Island. H. S. Cunningham. Phytopath., 34, 790-798. 1944.
- 590 Slime-producing coliform and coliform-like bacteria. J. R. Sanborn. Jour. Bact., 48, 211-217. 1944.
- 591 Some physiological responses of deciduous fruit trees to petroleum oil sprays. Geo. D. Oberle, G. W. Pearce, P. J. Chapman and A. W. Avens. Proc. Amer. Soc. Hort. Sci., 45, 119-130. 1944.
- 592 Chemical seed protectants used as disinfectants during germination of cucurbit seeds. Willard Crosier. Assoc. Off. Seed Anal. News Letter, 18, No. 2, 3-6. 1944.
- 593 The cause of variation in the relationship between acidity and hydrogen-ion concentration among lactic acid bacteria. Carl S. Pederson and Josephine V. Bagg. Jour. Bact., 48, 559-566. 1944.
- 594 A study of certain members of the genus *Corynebacterium*. R. F. Brooks and G. J. Hucker. Jour. Bact., 48, 295-312. 1944.

- 595 Flagellation of Azotobacter. Alvin W. Hofer. Jour. Bact., 48, 697-701. 1944.
- 596 The herbicidal action of 2, 4 dichloro-phenoxyacetic and 2, 4, 5 trichloro-phenoxyacetic acid on bindweed, *Convolvulus arvensis*. Charles L. Hamner and H. B. Tukey. Science, 100, 154-155. 1944.
- 597 Relation of spray materials to russetting of Delicious and Golden Delicious apples. D. H. Palmiter. Proc. Amer. Soc. Hort. Sci., 45, 113-118. 1944.
- 598 Some fungi found in seed stocks during recent years. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1943-44, 99-102. 1944.
- 599 Progress in methods of slime control. J. R. Sanborn. Paper Trade Jour., 119, 37-42. 1944.
- 600 Methods and problems in raspberry breeding. George L. Slate. Proc. Amer. Soc. Hort. Sci., 45, 255-258. 1944.
- 601 Recent findings on laboratory germination and longevity of New Zealand spinach seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1943-44, 115-120. 1944.
- 602 Laboratory determination of viability in extreme dormant seed. C. E. Heit. News Letter Assoc. Off. Seed Anal., 18, No. 5, 3-5. 1944.
- 603 Variations in type and germinability of commercial lots of peach seed used by the nursery trade. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 45, 203-210. 1944.
- 604 The outline classification used in the Bergey Manual of Determinative Bacteriology. Robert S. Breed, E. G. D. Murray and A. Parker Hitchens. Jour. Bact., 48, 255-260. 1944.
- 605 Selective herbicidal action of midsummer and fall applications of 2, 4 dichlorophenoxyacetic acid. C. L. Hamner and H. B. Tukey. Bot-Gaz., 106, 232-245. 1944.
- 606 Symposium on coliform organisms in pasteurized milk; The utilization of laboratory control methods. Robert S. Breed. N. Y. State Assoc. Milk Sanitarians Ann. Rpt., 18, 148-158. 1945.
- 607 The excised-embryo method of testing the germinability of fruit tree seed with particular reference to peach seed. H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 45, 211-219. 1944.
- 608 The value of bacteriophage in classifying certain soil bacteria. H. J. Conn, Elizabeth J. Bottcher and Challiss Randall. Jour. Bact., 49, 359-373. 1945.
- 609 Differences in congeniality of two sources of McIntosh apple budwood propagated on rootstock USDA 227. H. B. Tukey and K. D. Brase. Proc. Amer. Soc. Hort. Sci., 45, 190-194. 1944.
- X 610 Chemical control of seed-borne fungi while germinating peas and sweet corn. W. F. Crosier. Phytopath., 35, 1945.

- 611 The blanching of vegetables for freezing: The effect of different types of potable water on the nutrients of peas and snap beans. Joanne Whitcombe and Frank A. Lee. Food Res., 10, 465-468. 1945.
- 612 A new plant insecticide for the control of the European corn borer. Bailey P. Pepper and L. A. Carruth. Jour. Econ. Ent., 38, 59-66. 1945.
- X 613 Control of fungi when germinating corn seed. Willard Crosier. Phytopath., 35, 1945.
- 614 Aerosol application of growth regulators to retard abscission of apple fruits. H. B. Tukey and C. L. Hamner. Science, 101, 253-254. 1945.
- 615 Possible place of DDT in the codling moth program for western New York. S. W. Harman. Jour. Econ. Ent., 38, 280-281. 1945.
- X 616 The thermal degradation of pectinic acids. Z. I. Kertesz.
- 617 DDT to control *Glossonotus crataegi*. Ellsworth H. Wheeler. Jour. Econ. Ent., 38, 274. 1945.
- 618 DDT and Ryanex to control Oriental fruit moth on quince. Ellsworth H. Wheeler. Jour. Econ. Ent., 38, 281-282. 1945.
- 619 Soybean sprout production - a germination problem. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1943-44, 153. 1944.
- 620 The use of alcohol-insoluble solids as a reference base for the calculation of vitamin values. Frank A. Lee. Ind. & Eng. Chem., Anal. Ed., 17, 719-720. 1945.
- 621 Pectic enzymes: VI. The use of an ion-exchange resin for the complete removal of pectin-methylesterase from commercial pectinases. Z. I. Kertesz. Jour. Biolog. Chem., 160, 149-154. 1945.
- X 622 The vitamin content of Alderman peas at several stages of maturity. F. A. Lee and Joanne Whitcombe. Proc. Inst. Food Technol.,
- 623 Observation of Bacteriophage through a light microscope. A. W. Hofer and O. W. Richards. Science, 101, 466-468. 1945.
- 624 The indophenol-xylene extraction method for ascorbic acid and modifications for interfering substances. Willard B. Robinson and Elmer Stotz. Jour. Biolog. Chem., 160, 217-225. 1945.
- 625 Observations on growth differences of sweet and sour cherries grafted onto Mazzard and Mahaleb body stocks. K. D. Brase. Proc. Amer. Soc. Hort. Sci., 46, 211-214. 1945.

- 626 Differences in after-ripening requirements of several sources and varieties of peach seed. R. F. Carlson and H. B. Tukey. Proc. Amer. Soc. Hort. Sci., 46, 199-202. 1945.
- 627 Morphological changes in peach seedlings following after-ripening treatments of the seed. H. B. Tukey and R. F. Carlson. Bot. Gaz., 106, 431-440. 1945.
- 628 Breaking the dormancy of peach seed by treatment with thiourea. H. B. Tukey and R. F. Carlson. Plant Physiol., 20, 505-516. 1945.
- 629 The reaction of formaldehyde with 1(-)-histidine. D. C. Carpenter. Jour. Amer. Chem. Soc., 67, 1247-1249. 1945.
- X 630 The comparative potency of several growth-regulating substances in combination with various carriers, with special reference to their herbicidal value. C. L. Hamner and H. B. Tukey. Bot. Gaz.
- X 631 The freezing preservation of green soybeans and sprouted soybeans, with special reference to the vitamin content. F. A. Lee and Joanne Whitcombe. Jour. Amer. Dietetic Assoc.,
- 632 Some aspects of the ascorbic acid variations in commercially canned tomato juice. Willard B. Robinson, Elmer Stotz and Z. I. Kertesz. Jour. Nutrition, 30, 435-442. 1945.
- 633 Constituents of the insecticidal resin of the yam bean, Pachyrrhizus arosus. L. B. Norton and Roy Hansberry. Jour. Amer. Chem. Soc., 67, 1609-1614. 1945.
- 634 Retardation of pre-harvest drop of apples through aerosol application of growth-regulating substances. H. B. Tukey and C. L. Hamner. Proc. Amer. Soc. Hort. Sci., 46, 102-108. 1945.
- 635 The spontaneous origin of polyploid apples. John Einset. Proc. Amer. Soc. Hort. Sci., 46, 91-93. 1945.
- X 636 The protein-formaldehyde reaction: The question of methylene bridges and the unreactivity of benzoyl-d(-)-alanine toward formaldehyde. D. C. Carpenter. Archives Biochem.,
- 637 The electronic blanching of vegetables. J. C. Moyer and E. H. Stotz. Science, 102, 68-69. 1945.
- 638 A review of Micrococcus enterotoxin food poisoning. Wm. C. Haynes and G. J. Hucker. Food Res., 11, 281-297. 1946.
- X 639 A growth factor in certain vegetable juices. Dorothea Metcalf, D. C. Carpenter and G. J. Hucker. Jour. Bact.,

- 640 A rapid field test for quaternary ammonium salts used as bactericides. R. F. Brooks and G. J. Hucker. Jour. Milk and Food Technol., 11, No. 3. 1948.
- 641 Improvement in keeping quality of succulent plants and cut flowers by treatment under water in partial vacuum. C. L. Hamner, H. B. Tukey and R. F. Carlson. Science, 102, 332-333. 1945.
- 642 The fermentation of glucose by certain gram-positive, nonspore-forming anaerobic bacteria. Carl S. Pederson. Jour. Bact., 50, 475-479. 1945.
- 643 Histological changes in bindweed and sow thistle following applications of 2, 4 Dichlorophenoxyacetic Acid in herbicidal concentrations. H. B. Tukey, C. L. Hamner and Barbara Imhofe. Bot. Gaz., 107, 62-73. 1945.
- 644 The influence of the rate of freezing on the quality, palatability and nutritional value of peas and snap beans. F. A. Lee, W. A. Gortner and Joanne Whitcombe. Ind. & Eng. Chem., 38, 341-346. 1946.
- 645 Retention of ascorbic acid in solid fruit and vegetable juice concentrates. Mary Mann Moyer. Food Res., 11, 516-520. 1946.
- 646 The control of ragweed pollen production with 2, 4 dichlorophenoxyacetic acid. Frederick G. Smith and Charles L. Hamner. Science, 103, 473-474. 1946.
- 647 A method for harvesting experimental plots of cannery peas. John F. Davis. Jour. Amer. Soc. Agron., 37, 963-966. 1945.
- 648 Substitutes for ethyl alcohol. H. J. Conn and Mary A. Darrow. Stain Technol., 20: 115-117. 1945.
- 649 Effect of DDT sprays on European red mite populations in eastern New York. R. W. Dean. Jour. Econ. Ent., 38, 724-725. 1945.
- 650 Tests of DDT and other new insecticides for control of cauliflower worms on Long Island. H. C. Hockett. Jour. Econ. Ent., 39, 184-188. 1946.
- 651 Oriental fruit moth control with DDT and Ryanex and their effect upon parasite populations. E. H. Wheeler and A. A. LaPlante, Jr. Jour. Econ. Ent., 39, 211-215. 1946.
- 652 Fat formation in F. lycopersecl. Robert F. Witter and Elmer Stotz. Archives Biochem., 9, 331-339. 1946.
- X 653 Carotene retention in carrots. Frank A. Lee and William T. Tapley.
- 654 Chromosome studies in Rubus. John Einset. Gentes Herbarum, VII, 181-192. 1947.

- 655 Food packaging studies: I. Durability of certain nonmetal materials for bulk packaging. R. F. Brooks, Robert E. Thomas and G. J. Hucker. Modern Packaging, 19, No. 10, 152-154. 1946.
- 656 Food packaging studies: II. Moisture vapor protection by certain non-metal bulk packages. R. E. Thomas, R. F. Brooks and G. J. Hucker. Modern Packaging, 19, No. 11, 143, 174, 176. 1946.
- 657 Food packaging studies: III. Significance of moisture vapor transmission rate of nonmetal packaging materials in protecting dehydrated vegetables. R. F. Brooks and G. J. Hucker. Modern Packaging, 19, No. 12, 144-145, 178, 180, 182. 1946.
- 658 Food packaging studies: IV. The significance of moisture vapor transmission rate in protecting frozen meat against moisture loss. Dorothea Metcalf, Wm. P. Van Eseltine and G. J. Hucker. Modern Packaging, 20, No. 1, 147-149. 1946.
- 659 Rate of development of milky disease in Japanese beetle populations. J. A. Adams and E. H. Wheeler. Jour. Econ. Ent., 39, 248-254. 1946.
- 660 DDT for codling moth control in western New York in 1945. S. W. Harman. Jour. Econ. Ent., 39, 208-210. 1946.
- 661 The reaction of the pea aphid to DDT in various formulations. Hugh Glasgow. Jour. Econ. Ent., 39, 195-199. 1946.
- 662 Carbol crystal violet. H. J. Conn. Stain Technol., 21, 31-32. 1946.
- 663 The European chafer, Amphimallon majalis Razoumowsky--investigations relating to its control in lawns. F. L. Gambrell. Jour. Econ. Ent., 39, 168-173. 1946.
- 664 The effect of various insecticidal dust mixtures on the incidence of the cabbage aphid. G. E. R. Hervey. Jour. Econ. Ent., 39, 265. 1946.
- 665 The varietal response of cucumbers to applications of DDT for the control of cucumber beetles and bacterial wilt. G. E. R. Hervey and W. T. Schroeder. Jour. Econ. Ent., 39, 403-404. 1946.
- 666 Nitrogen fixation by mixed cultures of Rhizobium. Alvin W. Hofer. Soil Sci. Soc. Amer. Proc., 10; 202-205. 1946.
- 667 Pectic enzymes, VII. The preparation of tomato pectin-methylesterase. McCulloch, R. J., J. C. Moyer and Z. I. Kertesz. Arch. Biochem., 10, 479-484. 1946.
- 668 The control of spittle insects in strawberry plantings. F. G. Munding. Jour. Econ. Ent., 39, 299-305. 1946.
- 669 Comparative absorption readings obtained with spectrophotometers of varied type. H. J. Conn and Elmer Stotz. Stain Technol., 21, 49-54. 1946.
- 670 Filters suitable for separating bacteria from bacteriophage. H. J. Conn. Jour. Bact., 52, 489-491. 1946.

- 671 Internal breakdown of cabbage as related to nitrogen fertilizer and yield. John Shafer, Jr., and C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 47, 340-342. 1946.
- 672 A comparison of methods for harvesting experimental plots of cabbage. J. F. Davis. Proc. Amer. Soc. Hort. Sci., 47, 327-330. 1946.
- 673 Ascorbic acid content of strawberry varieties and selections at Geneva, N. Y. in 1945. George L. Slate and W. B. Robinson. Proc. Amer. Soc. Hort. Sci., 47, 219-223. 1946.
- 674 Growth behavior of four apple varieties on Manchurian crab seedling rootstocks in the nursery. Karl D. Brase. Proc. Amer. Soc. Hort. Sci., 48, 236-240. 1946.
- 675 The blanching of vegetables by electronics. James C. Moyer and Elmer Stotz. Food Technol., 1, 252-257. 1947.
- 676 Effect of processing and storage on the quality and ascorbic acid content of sauerkraut. Carl S. Pederson and H. G. Beattie. Food Packer, 27, 44-48; 78. 1946.
- X 677 Ascorbic acid content of apple varieties and seedlings at Geneva, N. Y. in 1944-1945. G. H. Howe and W. B. Robinson. Proc. Amer. Soc. Hort. Sci.
- 678 The activity of certain cationic germicides. G. J. Hucker, R. F. Brooks, Dorothea Metcalf and Wm. Van Eseltine. Food Technol., 1, 321-344. 1947.
- 679 Changes which occur in apple tissue upon treatment with various agents and their relation to the natural mechanism of softening during maturation. Jean H. Griffin and Z. I. Kertesz. Bot. Gaz., 108, 279-285. 1946.
- 680 Spergon discoloration of seeds during germination. Willard Crosier and David Dudgeon. News Letter, Assoc. Off. Seed Anal., 19, No. 8. 1946.
- 681 The "Browning (Maillard) Reaction" in heated solutions of uronic acids. Joan L. Seaver and Z. I. Kertesz. Jour. Amer. Chem. Soc., 68, 2178-2179. 1946.
- 682 A chromosomal chimera of the Northern Spy apple. John Einset, H. Weston Blaser and Barbara Imhofe. Jour. Heredity, 37, 265-266. 1946.
- 683 Changes in food reserves and respiratory capacity of bindweed tissues accompanying herbicidal action of 2,4-Dichlorophenoxyacetic Acid. F. G. Smith, C. L. Hamner and R. F. Carlson. Plant Physiol., 22, 58-65. 1947.
- 684 Aneuploidy in relation to partial sterility in autotetraploid lettuce, Lactuca sativa L. John Einset. Amer. Jour. Bot., 34, 99-105. 1947.

- 685 Pectic enzymes: VIII: A comparative investigation of the pectin-methylesterase of the tomato fruit and molds. R. J. McCulloch and Z. I. Kertesz. Arch. Biochem., 13, 217-229. 1947.
- 686 Significance of bacteria in frozen vegetables. Carl S. Pederson. Food Res., 12, 429-438. 1947.
- 687 DDT for control of the apple maggot. R. W. Dean. Jour. Econ. Ent., 40, 183-189. 1947.
- 688 The relationship between Lactobacillus acidophilus (Moro) Holland and Lactobacillus casei (Orla-Jensen) Holland. Carl S. Pederson. Jour. Bact., 53, 407-415. 1947.
- 689 Color formation in furfural systems. R. G. Rice, Z. I. Kertesz and E. H. Stotz. Jour. Amer. Chem. Soc., 69, 1798-1800. 1947.
- 690 A re-investigation of auxin action in the diastase-charcoal model system. F. G. Smith, William E. Langeland and Elmer Stotz. Plant Physiol., 22, 300-307. 1947.
- 691 Substitution of sodium for part of the potassium in mixed fertilizers. Charles B. Sayre and M. T. Vittum. Jour. Amer. Soc. Agron., 39, 153-161. 1947.
- 692 Phosphorus deficiency in relation to nitrate reduction test. Isabel Dimmick. Can. Jour. Res., C, 25, 271-273. 1947.
- 693 An analysis of the DDT spray program for controlling codling moth. S. W. Harman. Jour. Econ. Ent., 40, 256-258. 1947.
- 694 Experience with DDT on apples, 1946 experimental results. S. W. Harman. Proc. N. Y. State Hort. Soc., 92, 37-42. 1947.
- 695 DDT and other insecticides for squash borer control. L. A. Carruth and G. E. R. Hervey. Jour. Econ. Ent., 40, 716-721. 1947.
- 696 Nutritional sprays on grapes. G. L. Mack and N. J. Shaulis. Phytopath., 37, 14-15. 1947.
- 697 Chromosome numbers of apple varieties and sports. John Einset and Barbara Imhofe. Proc. Amer. Soc. Hort. Sci., 50, 45-50. 1947.
- 698 Insecticidal efficiency of saturated petroleum fractions. G. W. Pearce, P. J. Chapman and B. E. H. Frear. Ind. and Eng. Chem., 40, 284-293. 1948.
- 699 Germinating freshly harvested winter barley and wheat. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1946, 151-152. 1946.

- 700 Some observations on Spergon-treated seeds. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1946, 159-164. 1946.
- 701 Is it necessary to soak garden beet seed? S. F. Patrick. Proc. Assoc. Off. Seed Anal., 1946, 150-151. 1946.
- 702 Germination and vitality in sweet pea seed stocks. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1946, 137-140. 1946.
- 703 Germination and fungus content of Vicland oats. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1946, 152-158. 1946.
- 704 Bacteriophage under the ordinary microscope. Alvin W. Hofer. Jour. Bact., 53, 781-792. 1947.
- 705 Laboratory germination results with certain flower seeds. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1946, 141-149. 1946.
- 706 Determining the vitality of red kidney beans. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1946, 188-190. 1946.
- 707 Life cycle of *Macrostes divinus* (Uhl.) in relation to carrot yellows in western New York. G. E. R. Hervey and W. T. Schroeder. Jour. Econ. Ent., 40, 505-508. 1947.
- 708 Soil bacteria similar in morphology to *Mycobacterium* and *Corynebacterium*. H. J. Conn and Isabel Dimmick. Jour. Bact., 54, 291-303. 1947.
- 709 A colorimetric determination of anthocyanin pigments in strawberries and strawberry products. Ernest Sondheimer and Z. I. Kertesz. Anal. Chem., 20, 245-248. 1948.
- 710 The preservation of apple juice by freezing. F. A. Lee, H. G. Beattie, W. B. Robinson and C. S. Pederson. Fruit Prod. Jour. and Amer. Food Mnf., 26, 324-326. 1947.
- 711 The cooling of vegetables after blanching. J. C. Moyer and K. C. Holgate. Food Ind., 19, 1370-1371; 1472-1473. 1947.
- 712 Apple juice with original character retained. Carl S. Pederson. Fruit Prod. Jour., 26, No. 10, 294-313. 1947.
- 713 The effect of freezing preservation and maturity on the vitamin content of summer squash. F. A. Lee, W. T. Tapley & Joanne Whitcombe. Jour. Amer. Dietetic Assoc., 24, 595-597. 1948.
- 714 The freezing preservation of baked apples. F. A. Lee. Fruit Prod. Jour. & Amer. Food Mnf., 26, 366-367. 1947.
- 715 The determination of alcohol-insoluble solids and sugar contents of vegetables. J. C. Moyer and K. C. Holgate. Anal. Chem., 20, 472-474. 1948.

- 716 The effect of the rate of freezing on the bacterial content of frozen vegetables. W. P. VanEseltine, Lois Nellis, F. A. Lee and G. J. Hucker. Food Res., 13, 271-280. 1948.
- 717 A comment on flagellation and motility. H. J. Conn and R. P. Elrod. Jour. Bact., 54, 681-687. 1947.
- 718 The effect of 2,4-dichlorophenoxyacetic acid on the respiratory metabolism of bean stem tissue. Frederick G. Smith. Plant Physiol. 23, 70-83. 1948.
- 719 Some results with filbert breeding at Geneva, N. Y. George L. Slate. Northern Nut Growers' Assoc., 38th Ann. Rpt., 94-100. 1947.
- 720 Spectrophotometric estimation of tryptophan. D. C. Carpenter. Anal. Chem., 20, 536-538. 1948.
- X 721 Enzymes acting on pectic substances. Z. I. Kertesz and R. J. McColloch. Advances in Carbohydrate Chem.
- 722 Effect of copper injury on Concord grape. R. F. Suit. Phytopath. 38, 457-466. 1948.
- 723 Report on protein evaluation in fish and animal products. F. J. Kokoski. Jour. Assoc. Off. Agr. Chem., 30, 609-613. 1947.
- 724 The black fungi on grains of oats. Willard Crosier. NewsLetter, Assoc. Off. Seed Anal., 21, No. 4, 21-25. 1947.
- 725 Onion juice concentrate prepared by freezing concentration. F. A. Lee, H. G. Beattie & Carl S. Pederson. Fruit Prod. Jour., 27, 141, 153. 1948.
- 726 Soil bacteria of the genus *Arthrobacter*. H. J. Conn and Isabel Dimmick. Soil Sci., 65, 349-351. 1948.
- 727 Oils in dormant sprays to control European fruit lecanium and cottony peach scale. E. H. Wheeler & G. D. Oberle. Jour. Econ. Ent., 41, 186-189. 1948.
- 728 Chimera sports of apples. John Einset, H. Weston Blaser & Barbara Imhofe. Jour. Heredity, 38, 371-376. 1947.
- 729 Flower seed expected germination values. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1947, 173-174. 1947.
- 730 Germinating *Dracaena indivisa* seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1947, 163-166. 1947.
- 731 Germinating certain southern grass seeds. Bette Cullinan. Proc. Assoc. Off. Seed Anal., 1947, 162-163. 1947.

- 732 The tolerance of seeds to DDT. S. R. Patrick, W. F. Crosier and C. E. Heit. Proc. Assoc. Off. Seed Anal., 1947, 166-169. 1947.
- 733 Arasan slurry as a disinfectant of germinating seeds. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1947, 170-171. 1947.
- 734 Preliminary notes on frost prevention under cold frame glass by sprinkling the glass with cold water. C. H. Dearborn. Proc. Amer. Soc. Hort. Sci., 51, 493-496. 1948.
- 735 Experiments on the application of dormant oils as mists. James L. Brann, Jr., A. W. Avens, and R. W. Dean. Jour. Econ. Ent., 41, 180-185. 1948.
- 736 Insecticidal and phytotoxic properties of plant dips used for the control of the European chafer. F. L. Gambrell and A. C. Mason. Jour. Econ. Ent., 41, 258-263. 1948.
- 737 DDT and benzene hexachloride in sprays to control peach tree borer. A. A. LaPlante, Jr. & E. H. Wheeler. Jour. Econ. Ent., 41, 240-244. 1948.
- 738 Some effects of season, fruit crop, and nitrogen fertilization on the mineral composition of McIntosh apple leaves. John C. Cain & Damon Boynton. Proc. Amer. Soc. Hort. Sci., 51, 13-22. 1948.
- 739 On the toxicology of 4, 6 dinitro-o-cresol as an aphid ovicide. P. J. Chapman & A. W. Avens. Jour. Econ. Ent., 41, 190-198. 1948.
- 740 Red-banded leaf roller control in western New York in 1947. S. W. Harman. Jour. Econ. Ent., 41, 210-212. 1948.
- 741 Field nursery tests with newly harvested and one or two year stored Lovell peach seed. Karl D. Brase. Proc. Amer. Soc. Hort. Sci., 51, 258-262. 1948.
- 742 Breeding autumn-fruiting raspberries: Third report. George L. Slate. Proc. Amer. Soc. Hort. Sci., 51, 301-303. 1948.
- X 743 Factors affecting the use and phyto-toxicity of DDT and other insecticides for squash borer control. L. A. Carruth and W. L. Howe. Jour. Econ. Ent., 42, 1949.
- 744 Some effects of pruning severity and training on Fredonia and Concord grapes. Nelson Shaulis & G. D. Oberle. Proc. Amer. Soc. Hort. Sci., 51, 263-270. 1948.
- 745 Weeding sweet corn with 2, 4-D: Effects of timing, rates and varieties. C. H. Dearborn, R. D. Sweet & J. R. Havis. Proc. Amer. Soc. Hort. Sci., 51, 536-540. 1948.
- 746 The occurrence of spontaneous triploids and tetraploids in apples. John Einset. Proc. Amer. Soc. Hort. Sci., 51, 61-63. 1948.

- 747 Experiments on the control of the eastern raspberry fruitworm, *Byturus rubi* Barber. F. G. Mundinger. Jour. Econ. Ent., 41, 436-440. 1948.
- 748 On the mode of action of petroleum oils as ovicides. E. H. Smith and G. W. Pearce. Jour. Econ. Ent., 41, 173-180. 1948.
- 749 An unusually heat-resistant pectolytic factor from tomatoes. R. J. McColloch and Z. I. Kertesz. Arch. Biochem., 17, 197-199. 1948.
- X 750 Synthesis and properties of triacetic acid. Robert F. Witter and Elmer Stotz. Jour. Biol. Chem.
- X 751 Colorimetric determination of acetyl-acetone and related diketones. Robert F. Witter, Jeanette Snyder and Elmer Stotz. Jour. Biol. Chem.
- 752 Early and total yields of tomatoes as affected by time of seeding, topping the plants, and space in the flats. Charles B. Sayre. Proc. Amer. Soc. Hort. Sci., 51, 367-370. 1948.
- 753 The determination of 4-6 dinitro-o-cresol on bark surfaces and some of its applications. A. W. Avens, P. J. Chapman, and G. W. Pearce. Jour. Econ. Ent., 41, 432-435. 1948.
- 754 The use of the tenderometer for the determination of the firmness of apples, peaches and pears. F. A. Lee and G. D. Oberle. Fruit Prod. Jour. & Amer. Food Mnf., 27, 244-246. 1948.
- 755 Plum Curculio control with chlorinated hydrocarbon insecticides in 1947. R. W. Dean. Jour. Econ. Ent., 41, 524-525. 1948.
- 756 DDT, Ryanex, and benzene hexachloride for the control of the elm leaf beetle, *Galerucella xanthomelanea* Schrank. F. L. Gambrell. Jour. Econ. Ent., 41, 770-773. 1948.
- 757 Experiment with DDT for control of the potato leafhopper, *Empoasca fabae* Harris, on apple nursery stock. F. L. Gambrell. Jour. Econ. Ent., 41, 651-653. 1948.
- 758 The anthocyanin of strawberries. Ernest Sondheimer and Z. I. Kertesz. Jour. Amer. Chem. Soc., 70, 3476-3479. 1948.
- 759 Seed treatments with DDT and DDT-fungicide mixtures. Willard F. Crosier. Newsletter, Assoc. Off. Seed Anal., 22, No. 2, 46-48. 1948.
- 760 Effect of nitrogen on corn in western New York in 1947. M. T. Vittum. Jour. Amer. Soc. Agron., 40, 657-659. 1948.
- 761 The effect of sunlight on the ascorbic acid content of strawberries. Willard B. Robinson. Jour. Agr. Res., 78, 257-262. 1949.

- 762 Dehulled grains in seedstock of oats. Willard Crosier. Assoc. Off. Seed Anal. NewsLetter, 22, No. 2, 49-50. 1948.
- 763 Thermal maceration of plant tissues. W. B. Robinson, J. C. Moyer and Z. I. Kertesz. Plant Physiol., 24, 317. 1949.
- 764 To reduce color loss in strawberry preserves. Z. I. Kertesz and Ernest Sondheimer. Food Industries, 20, 1300-1302; 1401-1410. 1948.
- 765 Some inter-relationships between calcium, magnesium and potassium in one year old McIntosh apple trees grown in sand culture. John C. Cain. Proc. Amer. Soc. Hort. Sci., 51, 1-12. 1948.
- 766 The most abundant groups of bacteria in soil. H. J. Conn. Bact. Rev., 12, 257-273. 1948.
- X 767 Problems in the construction and operation of a pilot plant for food research. J. C. Moyer, K. C. Holgate and D. B. Hadd. Food Technol.
- 768 Separation of a crystalline globulin from tomato juice and determination of the isoelectric point. D. C. Carpenter and W. C. Smith. Archiv. Biochem., 23, 45-48. 1949.
- 769 Cancelled.
- 770 Recent developments of practical significance in the field of pectic enzymes. R. J. McColloch and Z. I. Kertesz. Food Tech., 3, 94-96. 1949.
- 771 Effect of freezing rate on vegetables. Frank A. Lee & Willis A. Gortner. Refrig. Eng., 57, 148-151; 184-185. 1949.
- X 772 A colorimetric method for the determination of peroxidase in plant material. F. G. Smith, W. B. Robinson and Elmer Stotz.
- X 773 A color method for the determination of phenol oxidase in plant material. F. G. Smith and Elmer Stotz.
- 774 Composition of the juices of some French hybrid grapes grown in New York. George D. Oberle. Fruit Var. and Hort. Dig., 4, 47-51. 1949.
- 775 Germination trials on open-pollinated peach pits from known seed parents. George D. Oberle and H. O. Bennett. Proc. Amer. Soc. Hort. Sci., 53, 221-225. 1949.
- 776 Comparative usefulness of various calcium salts in the firming of canned and frozen sliced apples. K. C. Holgate and Z. I. Kertesz. Fruit Prod. Jour. & Amer. Food Mnf., 28, 37-38, 42. 1948.

- 777 Effect of freezing rate on fruites. F. A. Lee, Willis A. Gortner and Joanne Whitcombe. Food Technol., 3, 164-169. 1949.
- 778 Color change of strawberry anthocyanin with D-glucose. Ernest Sondheimer and Frank A. Lee. Science, 109, 331-332. 1949.
- 779 The use of ascorbic acid in preventing oxidative changes in apple juice. K. C. Holgate, J. C. Moyer & Carl S. Pederson. Fruit Prod. Jour. & Amer. Food Mnf., 28, 100-102; 112. 1948.
- 780 The Genus *Pediococcus*. Carl S. Pederson. Bact. Rev., 13, 225-232. 1949.
- X 781 The 25-year hard seed soaking experiment. M. T. Munn. Proc. Assoc. Off. Seed Anal.,
- X 782 Some seed-borne fungi of flowers. Willard Crosier & C. E. Heit. Proc. Assoc. Off. Seed Anal.,
- X 783 Some significant seed cases. M. T. Munn. Proc. Assoc. Off. Seed Anal.,
- X 784 Susceptibility of winter eggs of the European red mite to petroleum oil and dinitro compounds. P. J. Chapman & G. W. Pearce. Jour. Econ. Ent.
- 785 Laboratory germination results with herb and drug seed. C. E. Heit. Proc. Assoc. Off. Seed Anal.,
- 786 Effect of sodium salts and rate of seeding on the yield of beets. C. B. Sayre & M. T. Vittum. Agron. Jour., 41, 235-239. 1949.
- 787 Chromosome numbers of apple varieties and sports. John Einset and Barbara Imhofe. Proc. Amer. Soc. Hort. Sci., 53, 197-201. 1949.
- 788 Germination of pea seeds treated with bird repellents and/or fungicides. Willard Crosier. Newsletter, Assoc. Off. Seed Anal., 22, No. 4, 7-11. 1948.
- X 789 The harefoot mushroom, *Coprinus lagopus* Fr., in seed structures of several plants. S. R. Patrick, W. F. Crosier, C. E. Heit and Elizabeth McSwain. Mycologia,
- X 790 Contact toxicity of several formulations of DDT to first instar oriental fruit moth larvae. A. A. LaPlante, Jr. Jour. Econ. Ent.,
- 791 The oriental beetle as a turf pest associated with the Japanese beetle in New York. J. Alfred Adams. Jour. Econ. Ent., 42, 366-371. 1949.

- 792 Factors affecting the resistance of certain Cucurbits to the squash borer. W. L. Howe. Jour. Econ. Ent., 42, 321-326. 1949.
- 793 *Cyclocephala borealis* as a turf pest associated with the Japanese beetle in New York. J. Alfred Adams. Jour. Econ. Ent., 42, 626-628. 1949.
- X 794 Influence of temperature upon germination of corn seed. Willard Crosier. News Letter, Assoc. Off. Seed Anal.,
- 795 The red-banded leaf roller problem in 1948. E. H. Glass and P. J. Chapman. Proc. N. Y. State Hort. Soc., 1949, 179-189. 1948.
- 796 Corn earworm control with DDT and other insecticides. George D. Butler, Jr., & L. A. Carruth. Jour. Econ. Ent., 42, 457-461. 1949.
- 797 Laboratory evaluation of larvicides for red-banded leaf roller and notes on injury to grapes. E. F. Taschenberg. Jour. Econ. Ent., 42, 629-632. 1949.
- 798 The viability of seeds fumigated with Acrylon. W. F. Crosier & E. H. Glass. Jour. Econ. Ent., 42, 646-649. 1949.
- 799 Apple ice and apple ice cream. J. C. Henning. Fruit Prod. Jour. & Amer. Food Mnf., 28, 365, 381. 1949.
- 800 Ripening studies of New York grapes grown in 1948 for juice manufacture. W. B. Robinson, N. J. Shaulis & C. S. Pederson. Fruit Prod. Jour. & Amer. Food Mnf., 29, No. 2, 36, 37, 54, 62. 1949.
- 801 Effects of weed control sprays of salt and salt plus sodium nitrate on the stand and yield of canning beets. C. H. Dearborn. Proc. Amer. Soc. Hort. Sci., 56, 275-278. 1951.
- 802 *Fusarium* strains causing pea and bean root-rot. Otto A. Reinking. Phytopath., 40, 664-683. 1950.
- 803 The survival of apple seedlings in 1948 as affected by grade, planting distance and treatments applied to tops and roots at planting time. D. R. Rodney & Roger W. Bledsoe. Proc. Amer. Soc. Hort. Sci., 56, 210-212. 1951.
- 804 Effect of freezing rate on meat appearance, palatability and vitamin content of beef. F. A. Lee, Robert F. Brooks, A. M. Pearson John I. Miller and Frances Volz. Food Res., 15, 8-15. 1950.
- 805 Corn earworm control with insecticidal dusts on western Long Island, 1949. George D. Butler, Jr., & L. A. Carruth. Jour. Econ. Ent., 42, 930-933. 1950.

- 806 Treatment of blackberry seed to secure first-year germination. C. E. Heit & G. L. Slate. Proc. Amer. Soc. Hort. Sci., 55, 297-301. 1950.
- 807 Sweet cherry breeding. Richard Wellington & Robert C. Lamb. Proc. Amer. Soc. Hort. Sci., 55, 263-264. 1950.
- X 808 Chemical control of wild mustard in canning peas and its effect on productivity. C. H. Dearborn. Proc. Amer. Soc. Hort. Sci.,
- 809 Effect on sweet corn productivity of four compounds of 2, 4-D sprayed post emergence above or below the corn foliage. C. H. Dearborn. Report N. E. Weed Control Conf. 1949.
- 810 The germination of high-moisture content seeds fumigated with Carbacryl. Willard F. Crosier. Proc. Off. Seed Anal., 1949, 117-121. 1949.
- 811 An appraisal of some chlorinated hydrocarbons and organic phosphate insecticides for grape berry moth control. E. F. Taschenberg. Jour. Econ. Ent., 43, 76-81. 1950.
- 812 Germinating castor bean seed in the laboratory. C. E. Heit. Proc. Assoc. Off Seed Anal., 1949, 114-117. 1949.
- 813 A soil fumigation test for pea root rot control. Otto A. Reinking and A. G. Newhall. Phytopath., 40, 879-882. 1950.
- 814 Summer control of orchard mites in eastern New York. R. W/. Dean. Jour. Econ. Ent., 43, 167-171. 1950.
- 815 Comparative yields of five varieties of tomatoes harvested at mature-green and at red-ripe maturity. C. B. Sayre, W. D. Pew, & Max E. Patterson. Proc. Amer. Soc. Hort. Sci., 56, 337-342. 1951.
- 816 Parathion injury to apple foliage and fruit. E. H. Glass. Jour. Econ. Ent., 43, 146-151. 1950.
- 817 Supplements in DDT sprays for control of the grape berry moth. E. F. Taschenberg, A. W. Avens and James A. Cox. Jour. Econ. Ent., 43, 152-157. 1950.
- 818 Orchard mite control experiments in western New York. P. J. Chapman and S. E. Lienk. Jour. Econ. Ent., 43, 309-314. 1950.
- 819 The physiological characters of Bacillus coagulans (Bacillus Thermoacidurans). Maurice E. Becker & Carl S. Pederson. Jour. Bact., 59, 717-725. 1950.
- 820 Preliminary studies on the habits, rates of infestation and control of the wooly apple aphid in nursery plantings. F. L. Gambrell & H. C. Young, Jr., Jour. Econ. Ent., 43, 463-465. 1950.

- 821 Observations on the control of white grubs in nursery plantings. F. L. Gambrell & L. F. Strickland. Jour. Econ. Ent., 43, 550-552. 1950.
- 822 Pectic enzymes. Z. I. Kertesz. The Enzymes, Vol. 1, Pt. 2, 745-768. 1951.
- 823 Studies of the fate of radioactive 2, 4-dichlorophenoxyacetic acid in bean plants. R. W. Holley, Frank P. Boyle & D. B. Hand. Archives Biochem., 27, 143-151. 1950.
- 824 Biology and host relationships of the squash borer. W. L. Howe. Jour. Econ. Ent., 43, 480-483. 1950.
- 825 Reactions of the squash borer to certain insecticidal soil treatments. W. L. Howe. Jour. Econ. Ent., 43, 549-550. 1950.
- 826 A simple turbidity tester. Z. I. Kertesz. The Canner, 110, 15-16. 1950.
- 827 A progress report on the use of fortified oil emulsions in weeding grapes. N. J. Shaulis. Proc. Amer. Soc. Hort. Sci., 56, 203-209. 1951.
- 828 A preliminary report on the response of virus-infected Montmorency cherry trees to nitrogen fertilizer. John C. Cain and K. G. Parker. Phytopath., 41, 661-664. 1951.
- 829 Effect of soil fertility level on the performance of eight strains of Danish Ballhead cabbage. M. T. Vittum & R. E. Foster. Proc. Amer. Soc. Hort. Sci., 56, 257-260. 1951.
- 830 The preparation and storage of freestone peach juice and nectar. Frank A. Lee & Carl S. Pederson. Food Tech., 4, 466-468. 1950.
- 831 ~~Cancelled~~. Superseded by 856
- 832 Control of browning in frozen sliced apples. Frank A. Lee, Faith Fenton and Helen Baker Stevens. Food Tech., 5, 114-116. 1951.
- 833 Indexing hosts for sour cherry ring-spot and yellows. H. C. Young, Jr. Phytopath., 41, 479-480. 1951.
- 834 On the development of off-flavor during the storage of frozen raw peas. F. A. Lee & A. C. Wagenknecht. Food Res., 16, 239-244. 1951.
- 835 Blackberry breeding. G. L. Slate & L. G. Klein. Proc. Amer. Soc. Hort. Sci., 57, 158-162. 1951.
- 836 Some results from the breeding of red raspberries. G. L. Slate & L. G. Klein. Proc. Amer. Soc. Hort. Sci., 57, 155-157. 1951.
- 837 Vegetables and Mushrooms. Frank A. Lee. "Foods" by Jacobs, Chap. XXVII, 1212-1347. 1951.

- 838 The value of mercuric chloride treated cucurbit seedlings with abnormal primary roots. Willard F. Crosier. Proc. Assoc. Off Seed Anal., 1950, 91-100. 1950.
- 839 Nasturtium seed germination. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1950, 100-104. 1950.
- 840 Phenyl mercury acetate as a laboratory fungicide. Willard F. Crosier. Proc. Assoc. Off. Seed Anal., 1950, 104-106. 1950.
- 841 Germination of sensitive flower seed kinds and varieties with suggested methods for testing in the laboratory. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1950, 107-117. 1950.
- 842 Birdsfoot trefoil - a New York seed crop. Bette Cullinan. Proc. Off. Seed Anal. Assoc., 1950, 118-119. 1950.
- 843 Lettuce seed germination problems. M. T. Munn. Proc. Off. Seed Anal. Assoc., 1950, 119-122. 1950.
- 844 The apple flea weevil. F. G. Munding. Jour. Econ. Ent., 44, 28-33. 1951.
- 845 Tests with Dieldrin for control of larvae of the Japanese beetle in turf. J. A. Adams. Jour. Econ. Ent., 44, 127-128. 1951.
- 846 An objective method for measuring the effect of freezing rate on asparagus. Frank A. Lee & George A. Johannessen. Food Tech., 5, 263-265. 1951.
- 847 Orchard mite studies in 1950. S. E. Lienk & P. J. Chapman. Jour. Econ. Ent., 44, 301-306. 1951.
- 848 Evaluation of some new insecticides for apple maggot control. R. W. Dean. Jour. Econ. Ent., 44, 147-153. 1951.
- 849 Laboratory rearing of grape berry moth. E. F. Taschenberg. Jour. Econ. Ent., 44, 256-258. 1951.
- 850 Apomixis in American polyploid blackberries. John Einset. Amer. Jour. Bot., 38, 768-772. 1951.
- 851 A study of the auxins in cabbage using counter-current distribution. R. W. Holley, F. P. Boyle, H. K. Durfee and Ann D. Holley. Arch. Biochem. and Biophysics, 32, 192-199. 1951.
- 852 Boost your quality control and you'll sell more kraut. C. S. Pederson and W. B. Robinson. Food Packer, 32, No. 4, 32-33; No. 5, 30-31. 1951.
- 853 A greenhouse procedure for determining relative safeness of arsenical spray materials using alfalfa as test plant. G. L. Mack & J. M. Smith.

- 854 Fruits and nuts. Frank A. Lee. Jacob's "Foods", Chap. XXVIII, 1348-1589. 1951.
- 855 Influence of the presence or absence of the European red mite on two-spotted spider mite abundance. S. E. Lienk & P. J. Chapman. Jour. Econ. Ent., 44, 623. 1951.
- 856 Insecticidal efficiency of petroleum fractions and synthetic isoparaffins. G. W. Pearce & P. J. Chapman. Adv. in Chem. No. 7, 1952. (Combined with 863).
- 857 Measurement and control of color in the canning of tomato juice. W. B. Robinson, J. R. Ransford & D. B. Hand. Food Technol., 5, 314-319. 1951.
- 858 The design and construction of a pilot plant tomato juice line. J. C. Moyer, K. C. Holgate, R. L. LaBelle & D. B. Hand. Ind. & Eng. Chem., 43, 1874-1880. 1951.
- 859 Chromosome numbers of apple varieties and sports III. John Einset & Barbara Lamb. Proc. Amer. Soc. Hort. Sci., 58, 103-108. 1951.
- 860 Control of the Peach Tree Borer and the Lesser Peach Tree Borer in New York. E. H. Smith. Jour. Econ. Ent., 44, 685-690. 1951.
- 861 Chimeral sports of grapes. John Einset & Barbara Lamb. Jour. Heredity, 42, 159-162. 1951.
- 862 Tree spray oils. E. H. Smith. Adv. in Chem. Series, No. 7, 1952.
- X 863 Insecticidal efficiency of petroleum fractions and synthetic isoparaffins: II. Response of three unrelated pest species. P. J. Chapman & G. W. Pearce. Adv. in Chem.,
- X 864 Effect of different sources and rates of fertilizer materials on the pH and N, P, K, and Mg content of the soil to which they were applied. M. T. Vittum, D. J. Lathwell & G. Stanford. Proc. Soil Sci. Soc. Amer.,
- 865 Blackening of seedlings of broad and velvet beans. Willard Crosier. Proc. Off. Seed Anal. Assoc., 1951, 99-102. 1951.
- 866 Consideration of hard seeds of crotalaria. Willard Crosier & Stella Etheredge. Proc. Assoc. Off. Seed Anal., 1951, 90-95. 1951.
- 867 The quality of sauerkraut preserved in tin and glass. C. S. Pederson & W. B. Robinson. Food Technol., 6, No. 2, 48-49. 1952.
- 868 The identification of alcohols in dilute aqueous solutions. A. D. Holley & R. W. Holley. Anal. Chem., 24, 216-218. 1952.

- 869 Studies of the fate of radioactive 2, 4-dichlorophenoxyacetic Acid in Bean Plants: II. A water-soluble transformation product of 2, 4-D. R. W. Holley. Arch. Biochem. & Biophys., 35, 171-175. 1952.
- 870 A study of methods for the measurement of tomato juice color. W. B. Robinson, T. Wishnetsky, J. R. Ransford, W. L. Clark and D. B. Hand. Food Technol., 6, 269-275. 1952.
- X 871 A blossom end rot of apples in New York caused by Botrytis. D. H. Palmiter. Plant Disease Reporter.
- 872 Black raspberry breeding. George L. Slate & Leo G. Klein. Proc. Amer. Soc. Hort. Sci., 59, 266-268. 1952.
- 873 Laboratory germination of seed of delphinium species, types and varieties. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1951, 78-83. 1952.
- 874 A simple practical method for the determination of the size distribution of suspended particles in tomato juice and other macerated tomato products. Lillian B. Kimball and Z. I. Kertesz. Food Technol., 6, 68-71. 1952.
- 875 Some observations on the germination of flax seed. Willard F. Crosier. NewsLetter, Off. Seed Anal. Assoc., 26, No. 1, 9-12. 1952.
- 876 Germination studies with sensitive muskmelon seedstocks. C. E. Heit. Proc. Off. Seed Anal. Assoc., 1951, 71-78. 1952.
- 877 A nonpoisonous disinfectant for seed laboratory use. Willard F. Crosier. Proc. Assoc. Off. Seed Anal., 1951, 127-130. 1951.
- 878 The kinetics of the oxidation of strawberry anthocyanin by hydrogen peroxide. Ernest Sondheimer & Z. I. Kertesz. Food Res., 17, 288-298. 1952.
- 879 Ascorbic acid formation in potato tuber slices. Frederick G. Smith. Plant Physiol., 27, 736-744. 1952.
- 7 X 880 The reaction of formaldehyde with D - threonine. D. C. Carpenter. Jour. Franklin Hist..
- 881 Paper chromatography of nucleic acid derivatives. D. C. Carpenter. Anal. Chem., 24, 1203-1204. 1952.
- 882 Spontaneous Polyploidy in cultivated apples. John Einset. Proc. Amer. Soc. Hort. Sci., 59, 291-302. 1952.
- 883 Cucurbits seed germination. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1951, 133-139. 1951.

- 884 The loss of chlorophyll in green peas during frozen storage and analysis. A. C. Wagenknecht, Frank A. Lee & Frank P. Boyle. Food Res., 17, 343-350. 1952.
- 885 Evaluation of acaricides against three species of orchard mites. S. E. Lienk, P. J. Chapman and Andre Myburgh. Jour. Econ. Ent., 45, 292-297. 1952.
- 886 Control of peach tree borer and lesser peach tree borer. E. H. Smith. Jour. Econ. Ent., 45, 611-615. 1952.
- 887 The source of bacteria in processing and their significance in frozen vegetables. G. J. Hucker, R. F. Brooks and A. J. Emery. Food Technol., 6, 147-155. 1952.
- 888 Influence of tree and winter injury on the lesser peach tree borer. E. H. Smith & R. W. Harris. Jour. Econ. Ent., 45, 607-610. 1952.
- 889 The removal of N-o-nitrophenoxycetyl and N-chloroacetyl groups from peptides. R. W. Holley & Ann D. Holley. Jour. Amer. Chem. Soc., 74, 3069-3074. 1952.
- 890 Chemical weed control in nursery tree rows. O. F. Curtis, Jr. Proc. Amer. Soc. Hort. Sci., 60, 109-116. 1952.
- 891 Fertilization, pruning, and a leaf mottle condition in relation to the behavior of Italian prunes in western New York. J. C. Cain and Damon Boynton. Proc. Amer. Soc. Hort. Sci., 59, 53-60. 1952.
- 892 Control of pear psylla. F. G. Munding. Jour. Econ. Ent., 45, 934-939. 1952.
- 893 Ethylene injury to nursery trees in cold storage. O. F. Curtis, Jr. & D. R. Rodney. Proc. Amer. Soc. Hort. Sci., 60, 104-108. 1952.
- 894 A comparison of ammonium and nitrate nitrogen for blueberries. John C. Cain. Proc. Amer. Soc. Hort. Sci., 59, 161-166. 1952.
- 895 Soil chemicals in evergreen seedbeds. F. L. Gambrell & C. E. Heit. Amer. Nurseryman, 95, 9-10. 1952.
- 896 Currant borer control studies. E. F. Taschenberg. Jour. Econ. Ent., 46, 394-400. 1953.
- 897 Testing forage crop seeds for trueness-to-type. B. E. Clark. Proc. Assoc. Off. Seed Anal., 1952, 49-51. 1952.
- 898 Responses of apple trees to mite infestations: I.
P. J. Chapman, S. E. Lienk and O. F. Curtis, Jr. Jour. Econ. Ent. 45, 815-821. 1952.

- 899 A new stepwise degradation of peptides. R. W. Holley & Ann D. Holley. Jour. Amer. Chem. Soc., 74, 5445-5448. 1952.
- 900 Systematic relationships of the lactic acid bacteria. C. S. Pederson. Bact. Reviews, 16, 228-235. 1952.
- 901 Further studies on the control of grape berry moth with synthetic organic insecticides. E. F. Taschenberg. Jour. Econ. Ent., 46, 77-84. 1953.
- 902 Evaluation of petroleum and vegetable oils on grape berry moth eggs. E. F. Taschenberg. Jour. Econ. Ent., 46, 85-91. 1953.
- 903 Factors affecting the bacterial flora in fermenting vegetables. C. S. Pederson & Margaret N. Albury. Food Res., 18, 290-300. 1953.
- 904 Spacing and fertility level studies with a determinate-type tomato. M. T. Vittum & W. T. Tapley. Proc. Amer. Soc. Hort. Sci., 61, 334-342. 1953.
- 905 Resistance of European red mite to parathion. S. E. Lienk, R. W. Dean, P. J. Chapman & A. A. LaPlante. Jour. Econ. Ent., 45, 1082. 1952.
- 906 Effect of temperature on the color, lycopene and carotene content of detached and of vine-ripened tomatoes. C. B. Sayre, W. B. Robinson and T. Wishnetsky. Proc. Amer. Soc. Hort. Sci., 61, 381-387. 1953.
- 907 The effect of trellis height and training systems on the growth and yield of Concord grapes under a controlled pruning severity. Nelson Shaulis, Keith Kimball and John P. Tomkins. Proc. Amer. Soc. Hort. Sci., 62, 221-227. 1953.
- 908 On the relation between spectral changes and pH of the anthocyanin pelargonidin 3-monoglucoside. Ernest Sondheimer. Jour. Amer. Chem. Soc., 75, 1507-1508. 1953.
- 909 Similarity of the Clark Dwarf and East Malling rootstock VIII: Karl D. Brase. Proc. Amer. Assoc. Hort. Sci., 61, 95-98. 1953.
- 910 Control of the European chafer, Amphimallon majalis Raz., on deciduous nursery stock in situ. F. L. Gambrell & H. Tashiro. Jour. Econ. Ent., 46, 956-960. 1953.
- 911 Some sclerotia-forming fungi in commercial seedstocks. Willard Crosier & Stewart Patrick. Proc. Assoc. Off. Seed Anal., 1952, 114-117. 1953.
- 912 Steric inhibition of amide resonance and its possible significance in enzyme action. Robert W. Holley. Science, 117, 23-25. 1953.
- 913 Improvement of the flavor of dehydrated vegetables by the addition of vegetable juice concentrate. Frank A. Lee, J. C. Hening & C. S. Pederson. Food Technol., 7, 162-164. 1953.

- 914 Evaluation of insecticides for pea insect control. A. C. Davis & K. G. Swenson. Jour. Econ. Ent., 46, 321-323. 1953.
- 915 Results of 1952 tests with fungicide mixtures for the control of apple scab and quince rust. D. H. Palmiter & F. H. Emerson. Plant Disease Reporter, 37, 11-13. 1953.
- 916 Longevity of hard seeds in winter vetch. Willard Crosier & Stewart Patrick. Proc. Assoc. Off. Seed Anal., 1952, 74-80. 1953.
- 917 Notes on the inheritance of some characters in the sweet cherry, Prunus avium. Robert C. Lamb. Proc. Amer. Soc. Hort. Sci., 61, 293-298. 1953.
- 918 Mushrooms on seeds of side oats grama. Willard Crosier and Stewart Patrick. Newsletter, Assoc. Off. Seed Anal., 26, No. 4, 7-8, 1952.
- 919 The effect of nitrogen and potassium fertilizers on the performance and mineral composition of apple trees. John C. Cain. Proc. Amer. Soc. Hort. Sci., 62, 46-52. 1953.
- 920 Laboratory germination of Centaurea and Gypsophila Species, types and varieties. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1952, 101-104. 1953.
- 921 The absorption and distribution of mineral nutrients in apple trees as affected by nutrient supply. John C. Cain. Proc. Amer. Soc. Hort. Sci., 62, 53-66. 1953.
- 922 Participation of ascorbic acid in the destruction of anthocyanin in strawberry juice and model systems. Ernest Sondheimer & Z. I. Kertesz. Food Res., 18, 475-479. 1953.
- 923 Observations on coated and pelleted flower and vegetable seeds. C. E. Heit & M. T. Munn. Proc. Assoc. Off. Seed Anal., 1952, 141-142. 1952.
- 924 Seed-borne disease determinations highly beneficial. M. T. Munn. Proc. Assoc. Off. Seed Anal., 1952, 131-134. 1952.
- 925 Black kernel smudge of wheat seed. Willard F. Crosier. Proc. Intern. Seed Test. Assoc., 18, 205-217. 1954.
- 926 Experiments for the control of the European chafer, Amphimallon majalis Raz., in turf. II. F. L. Gambrell. Jour. Econ. Ent., 46, 761-765. 1953.
- 927 The effect of season, pruning severity and trellising on some chemical characteristics of Concord and Fredonia grape juice. Nelson Shaulis & W. B. Robinson. Proc. Amer. Soc. Hort. Sci., 62, 214-220. 1953.

- X 928 Evaluation of acaricides on orchard mites in 1952. S. E. Lienk & P. J. Chapman. Jour. Econ. Ent.,
- 929 Corn earworm control on Long Island. Robert G. Howe & A. C. Davis. Jour. Econ. Ent., 47, 94-97. 1954.
- 930 The influence of salt and temperature on the microflora of sauerkraut fermentation. C. S. Pederson & Margaret N. Albury. Food Technol., 8, 1-5. 1954.
- X 931 Low temperature organisms in frozen vegetables. G. J. Hucker. Food Technol.,
- 932 A critical examination of objective methods for maturity assessment in frozen peas. F. A. Lee, Jeanne Whitcombe & J. C. Hening. Food Technol., 8, 126-133. 1954.
- 933 Chromatographic analysis of organic acids in tomato juice, including the identification of pyrrolidonecarboxylic acid. A. C. Rice & C. S. Pederson. Food Res., 19, 106-114. 1954.
- 934 Factors influencing growth of Bacillus coagulans in tomato juice: I. Size of inoculum and oxygen concentration. A. C. Rice & C. S. Pederson. Food Res., 19, 115-123. 1954.
- 935 Factors influencing growth of Bacillus Coagulans in tomato juice: II. Acidic constituents of tomato juice and specific acids. A. C. Rice & C. S. Pederson. Food Res., 19, 124-133. 1954.
- 936 Relationship between certain laboratory tests and the field germination of sweet corn. B. E. Clark. Proc. Assoc. Off. Seed Anal., 1953, 42-44. 1953.
- 937 Effect of rate of freezing on pork quality, appearance, palatability and vitamin content. Frank A. Lee, R. F. Brooks, A. M. Pearson, J. I. Miller and J. J. Wanderstock. Jour. Amer. Dietetic Assoc., 30, 351-354. 1954.
- 938 A second report on the breeding of purple raspberries. G. L. Slate & L. G. Klein. Proc. Amer. Soc. Hort. Sci., 63, 262-264. 1954.
- 939 Flavor and color evaluation of canning crops grown on soil treated with insecticides. J. C. Hening, A. C. Davis and W. B. Robinson. Food Technol., 8, 227-229. 1954.
- 940 Effects of DDT-bordeaux sprays and fertilizer programs on the growth and yield of Concord grapes. E. F. Taschenberg & Nelson Shaulis. Proc. Amer. Soc. Hort. Sci., 66, 201-208. 1955.
- 941 The tenderization of peas during vining. J. C. Moyer, L. J. Lynch & R. S. Mitchell. Food Technol., 8, 358-360. 1954.

- 942 Measurement of color and its application to food quality grades. D. B. Hand, W. B. Robinson, T. Wishnetsky & J. R. Ransford. Agr. and Food Chem., 1, 1209-1212. 1953.
- 943 The effect of some cultural practices and of size of crop on the subsequent winter hardiness of apple trees. R. D. Way. Proc. Amer. Soc. Hort. Sci., 63, 163-166. 1954.
- 944 Hot water tolerance of cucurbit seeds. Willard Crosier & Philena Townley. Proc. Assoc. Off. Seed Anal., 1953, 61-65. 1953.
- 945 Hybrids between blackberries and raspberries. John Einset & Charlotte Pratt. Proc. Amer. Soc. Hort. Sci., 63, 257-261. 1954.
- 946 Effect of processing conditions on the gross viscosity of tomato juice. D. B. Hand, J. C. Moyer, J. R. Ransford & J. C. Hening. Food Technol., 9, 228-235. 1955.
- 947 Factors influencing the degree of settling in tomato juice. W. B. Robinson, Lillian B. Kimball, J. R. Ransford, J. C. Moyer & D. B. Hand. Food Technol., 10, 109-112. 1956.
- X 948 Processing conditions affecting the yield of tomato juice. J. C. Moyer, J. R. Ransford, R. L. LaBelle & D. B. Hand. Food Technol.,
- 949 The synthesis of L-histidyl peptides. R. W. Holley & Ernest Sondheimer. Jour. Amer. Chem. Soc., 76, 1326-1328. 1954.
- 950 Description of a virus which destroys the root nodule bacteria of peas. A. W. Hofer. Soil Science, 77, 435-436. 1954.
- 951 Cabbage maggot control in late cabbage. A. C. Davis, K. G. Swenson & M. E. Patterson. Jour. Econ. Ent., 47, 475-479. 1954.
- 952 Effectiveness of DDT for cabbage caterpillar control in western New York, 1944 and 1953. G. E. R. Hervey & K. G. Swenson. Jour. Econ. Ent., 47, 564-567. 1954.
- 953 "Giant" sports of grapes. John Einset & Charlotte Pratt. Proc. Amer. Soc. Hort. Sci., 63, 251-256. 1954.
- 954 Further studies of insecticides for apple maggot control. R. W. Dean. Jour. Econ. Ent., 47, 479-485. 1954.
- 955 2, 4-D residues in sprayers. O. F. Curtis, Jr., Proc. N. E. Weed Control Conf., 1957, 286-292. 1957.
- 956 Reduction of pea virus spread by insecticide applications. K. G. Swenson, A. C. Davis & W. T. Schroeder. Jour. Econ. Ent., 47, 490-493. 1954.

- 957 Comparison of the tenderometer and maturometer for measuring the quality of raw peas. C. B. Sayre. Proc. Amer. Soc. Hort. Sci., 63, 371-377. 1954.
- 958 Imides from asparagine and glutamine. Ernest Sondheimer & Robert W. Holley. Jour. Amer. Chem. Soc., 76, 2467-2470. 1954.
- 959 The synthesis of peptide of L-glutamine by the carbobenzoxy-azide method. Ernest Sondheimer & Robert W. Holley. Jour. Amer. Chem. Soc., 76, 2816-2818. 1954.
- 960 Blueberry chlorosis in relation to leaf pH and mineral composition. J. C. Cain. Proc. Amer. Soc. Hort. Sci., 64, 61-70. 1954.
- 961 Pleospora herbarum Wallr. and other fungi in seeds of sweet alyssum. W. F. Crosier & C. E. Heit. Plant Dis. Reporter, 38, 286-289. 1954.
- 962 Abnormality of corn seedlings caused by a bird repellent. Willard Crosier. Newsletter, Assoc. Off. Seed Anal., 28, No. 1, 5-8. 1954.
- 963 Chemical changes taking place in the lipids during the storage of frozen raw vegetables. Frank A. Lee. Food Res., 19, 515-520. 1954.
- 964 Factors influencing the susceptibility of the plum curculio to lead arsenate. E. H. Smith. Jour. Econ. Ent., 47, 871-879. 1954.
- 965 The ovicidal action of parathion in control of the peach tree borer. E. H. Smith & A. W. Avens. Jour. Econ. Ent., 47, 912-917. 1954.
- 966 Aphid transmission of a bean yellow mosaic virus. K. G. Swenson. Jour. Econ. Ent., 47, 1121-1123. 1954.
- 967 Septoria avenae and other fungi of oats. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1954, 182-185. 1955.
- 968 Field evaluation of insecticides against codling moth. E. H. Glass. Jour. Econ. Ent., 47, 1093-1101. 1954.
- 969 Some seed-borne fungi of flowers. W. F. Crosier & C. E. Heit. Proc. Assoc. Off. Seed Anal., 1954, 100-103. 1955.
- X 970 A possible greenhouse procedure for testing alfalfa seedlings for trueness-to-type. L. W. Nittler. Proc. Assoc. Off. Seed Anal.,
- 971 Effect of dilution upon mold counts of small fruits by the Howard method. K. H. Steinkraus, Janet M. Copeland & Carl S. Pederson. Food Technol., 9, 118-119. 1955.
- 972 Factors influencing the mold count of raspberries. K. H. Steinkraus, Janet M. Copeland & Carl S. Pederson. Food Technol., 9, 124-125. 1955.

- 973 Cytological and genetical identification of the primary trisomics of the tomato.. C. M. Rick & D. W. Barton. Genetics, 39, 640-666. 1954.
- 974 The determination of acetyl groups in pectic substances. Z. I. Kertesz & M. I. Lavin. Food Res., 19, 627-632. 1954.
- 975 The surface darkening of sliced beets. Walter L. Clark & J. C. Moyer. Food Technol., 9, 308-313. 1955.
- 976 Hard seed longevity and value experiments. M. T. Munn. Proc. Assoc. Off. Seed Anal.,
- 977 Dormant spray oils for the arborist. E. H. Smith. Nat. Shade Tree Conf. Proc., 30, 48-64. 1954.
- 978 The effect of K and Mg on the absorption of nutrients by apple trees in sand culture. John C. Cain. Proc. Amer. Soc. Hort. Sci., 65, 25-31. 1955.
- 979 Effect of drying conditions on moisture retention and density of dehydrated peas. D. B. Hand, J. C. Moyer & A. C. Wagenknecht. Food Technol., 9, 219-222. 1955.
- 980 X-disease virus: II. Relationship of anthocyanosis in certain X-diseased Prunus species to foliar carbohydrate accumulation. R.M. Gilmer. Phytopath.,
- 981 The accumulation of arginine in plants afflicted with iron-deficiency type chlorosis. R. W. Holley & J. C. Cain. Science, 121, 172-173, 1955.
- 982 The identification of volatile constituents of Concord grape juice. R. W. Holley, Brigitta Stoyla & Ann D. Holley. Food Res.,
- 983 The Catawba grape in New York: I. Some fruiting characteristics of the cane and shoot. John Tomkins & Nelson Shaulis. Proc. Amer. Soc. Hort. Sci., 66, 209-213. 1955.
- 984 The Catawba grape in New York: II. Some effects of severity of pruning on the production of fruit and wood. John Tomkins & Nelson Shaulis. Proc. Amer. Soc. Hort. Sci., 66, 214-219. 1955.
- 985 Foliage as a source of secondary inoculum for tomato anthracnose. M. E. Pantidou & W. T. Schroeder. Phytopath.,
- 986 Development of the embryo sac in some American blackberries. Charlotte Pratt & John Einset. Amer. Jour. Bot.,

- 987 A comparison of chlorotic and green blueberry leaf tissue with respect to free amino acid and basic cation contents. John C. Cain & Robert W. Holley. Proc. Amer. Soc. Hort. Sci., 65, 49-53. 1955.
- 988 Host range and variable pathogenesis of the necrotic ring spot virus in the genus *Prunus*. R. M. Gilmer. Plant Disease Reporter, 39, 194-201. 1955.
- 989 Entomology and its future. P. J. Chapman. Jour. Econ. Ent., 48, 491-494. 1955.
- 990 A chemical study of the progressive development of off-flavor in frozen raw vegetables. Frank A. Lee, A. C. Wagenknecht & J. C. Hening. Food Res., 20, 289-297. 1955.
- 991 Effect of plant spacing on growth and yield of Concord grapes. Nelson Shaulis & Keith Kimball. Proc. Amer. Soc. Hort. Sci., 66, 192-200. 1955.
- X 992 The need for and some limitations of "defrost indicators" for frozen foods. Z. I. Kertesz. Bul. Advisory Bd. Quartermaster Res. & Devel.
- 993 The influence of seed treatments upon bushel weight and seeding rate. W. F. Crosier, L. D. Herink & P. M. Townley. News Letter Assoc. Off. Seed Anal., 29, No. 1, 20-30. 1955.
- X 994 Enzymatic removal of the protecting group in peptide synthesis. Robert W. Holley. Jour. Amer. Chem. Soc.,
- 995 The relationship between the cleavage of purine ribosides by bacterial spores and the germination of the spores. N. L. Lawrence. Jour. Bact., 70, 583-587. 1955.
- 996 The effect of sunlight on mixtures of vegetable oils and pigments. Frank A. Lee. Nature, 176, 463-464. 1955.
- 997 Control of Stewart's Bacterial Wilt of corn by foliar application of streptomycin sprays. John J. Natti. Plant Dis. Reporter, 39, 386-390. 1955.
- 998 Production of milky disease spores on artificial media. K. H. Steinkraus & H. Tashiro. Science, 121, 873-874. 1955.
- 999 Codling moth resistance to DDT in New York. E. H. Glass & Bart Flori. Jour. Econ. Ent., 48, 598-599. 1955.

- 1000 Further studies on control of potato aphid on tomatoes. E. F. Taschenberg & A. W. Avens. Jour. Econ. Ent., 48, 685-688. 1955.
- 1001 The cleavage of adenosine by spores of Bacillus cereus. N. L. Lawrence. Jour. Bact., 70, 577-582. 1955.
- 1002 Summer control of the apple aphid, Aphis pomi DeG. E. H. Glass & P. J. Chapman. Jour. Econ. Ent., 48, 695-697. 1955.
- 1003 Parathion, EPN, dieldrin and methoxychlor for control of the plum curculio on prunes. E. H. Smith, Mary M. Grainger & A. W. Avens. Jour. Econ. Ent., 49, 14-18. 1956.
- 1004 Further studies on the ovicidal action of parathion to eggs of the peach tree borer. E. H. Smith. Jour. Econ. Ent., 48, 727-731. 1955.
- 1005 Photometric determination of total phosphorus in feeding stuffs and fertilizers. George F. Rickey & A. W. Avens. Jour. Assoc. Off. Agr. Chem., 38, 898-903. 1955.
- 1006 Induced variation among the heterofermentative lactic acid bacteria. C. S. Pederson & Margaret N. Albury. Jour. Bact., 70, 702-708. 1955.
- 1007 Variation in bacterial flora of low-salt cucumber brines. C. S. Pederson & Margaret N. Albury. Appl. Microbiol., 4, 259-263. 1956.
- X 1008 Lipoxidase activity and off-flavor in under blanched frozen corn-on-the-cob. A. C. Wagenknecht. Food Res.,
- 1009 The action of lipoxidase in frozen raw peas. A. C. Wagenknecht & Frank A. Lee. Food Res., 21, 605-610. 1956.
- X 1010 The investigation of bitter flavor in carrots: I. A spectrophotometric method for the estimation of bitterness. Ernest Sondheimer, Wendell F. Phillips & J. D. Atkin. Food Res.,
- 1011 The pigments of sour cherries: I. The anthocyanin pigments. Kuang C. Li & A. C. Wagenknecht. Jour. Amer. Chem. Soc., 78, 279-280. 1956.
- 1012 Preliminary studies on laboratory germination of bells of Ireland (Molucella laevis) seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1955, 60-63. 1956.
- 1013 The excised embryo method for testing germination quality of dormant seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 1955, 108-117. 1956.
- 1014 Is chemical injury of oats augmented by mechanical damage? W. F. Crosier. Proc. Assoc. Off. Seed Anal., 1955, 75-79. 1956.

- 1015 Evaluation of various fungicides and application schedules in the control of diseases of cherry nursery stocks. R. M. Gilmer. Plant Dis. Reporter, 39, 762-770. 1955.
- 1016 Imported mahaleb seeds as carriers of necrotic ring spot virus. R. M. Gilmer. Plant Dis. Reporter, 39, 727-728. 1955.
- 1017 The effect of pH on the utilization of glutamic acid, glutamine and their derivatives by Lactobacillus arabinosus. Ernest Sondheimer & Dorothy C. Wilson. Archiv. Biochem & Biophys., 61, 313-323. 1956.
- 1018 The effect of sunlight on crude lipids extracted from fresh and frozen vegetables. Frank A. Lee. Food Res., 21, 254-263. 1956.
- 1019 Soil and other substrates for the evaluation of mercury-treated grains. Willard F. Crosier. Proc. Assoc. Off. Seed Anal., 1955, 122-124. 1956.
- 1020 Silicones as lubricants for pea seed protectants. J. J. Natti & W. T. Schroeder. Plant Disease Reporter, 39, 909-913. 1955.
- 1021 Responses of apple trees to mite infestations: II.

S. E. Lienk, P. J. Chapman & O. F. Curtis, Jr., Jour. Econ. Ent., 49, 300-353. 1956.
- 1022 Trunk growth as a guide to controlled pruning in peaches: Effects of nitrogen and pruning. John C. Cain & R. J. Mehlenbacher. Proc. Amer. Soc. Hort. Sci., 67, 139-143. 1956.
- 1023 Host range studies on pea enation mosaic. F. L. McEwen & W. T. Schroeder. Plant Dis. Reporter, 40, 11-14. 1956.
- 1024 An evaluation of newer insecticides for control of DDT-resistant cabbage loopers. F. L. McEwen & G. E. R. Hervey. Jour. Econ. Ent., 49, 385-387. 1956.
- 1025 The association of nutrient composition of Concord grape petioles with deficiency symptoms, growth and yield. Nelson Shaulis & Keith Kimball. Proc. Amer. Soc. Hort. Sci., 68, 141-156. 1956.
- 1026 Factors contributing to the increase of downy mildew of broccoli in New York State and its Control with Fungicides and Agrimycin. J. J. Natti, G. E. R. Hervey & C. B. Sayre. Plant Dis. Reporter, 40, 118-124. 1956.
- 1027 (Combines with J. P. # 1009).
- 1028 Absorption and metabolism of urea by leaves of coffee, cacao and banana. John C. Cain. Proc. Amer. Soc. Hort. Sci., 67, 279-286. 1956.

- 1029 The sampling of small fruits for composition and nutritional studies. Nelson Shaulis. Proc. Amer. Soc. Hort. Sci., 68, 576-586. 1956.
- 1030 Sulfur, Karathane and Actidione for control of powdery mildew of wheat. Willard Crosier & Michael Szkolnik. Plant Dis. Reporter, 40, 337-339. 1956.
- 1031 Effect of ionizing radiations on pectin. Z. I. Kertesz, Bruce H. Morgan, L. W. Tuttle & Margaret Levin. Radiation Res., 5, 372-381. 1956.
- 1032 Effects of ionizing radiations on plant tissues: I. Quantitative measurements of the softening of apples, beets and carrots. R. E. Glegg, Frank P. Boyle, L. W. Tuttle, D. E. Wilson & Z. I. Kertesz. Radiation Res., 5, 127-133. 1956.
- X 1033 Growth of young apple trees weeded with CMU, Crag, Sesin, MH or Dalapon. O. F. Curtis, Jr. Proc. N. C. Weed Control Conf..
- 1034 The foliage susceptibility of some species of Cucurbitaceae to tomato anthracnose-inciting fungi. Maria E. Pantidou & W. T. Schroeder. Plant Dis. Reporter, 40, 432-436. 1956.
- 1035 The influence of temperature upon the sauerkraut fermentation. C. S. Pederson. Food Packer, 37, 26, 28, 31. 1956.
- 1036 The quality of sauerkraut as affected by salt-acid ratio. C. S. Pederson, Margaret N. Albury & W. B. Robinson. Food Packer, 37, July, 28, 29; Aug. 26. 1956.
- 1037 The ascorbic acid content of sauerkraut. C. S. Pederson, Joanne Whitcombe & W. B. Robinson. Food Technol., 10, 365-367. 1956.
- 1038 The occurrence of sholinesterase in eggs of the peach tree borer and milkweed bug and its relationship to the ovicidal action of parathion. E. H. Smith & A. C. Wagenknecht. Jour. Econ. Ent., 49, 777-783. 1956.
- 1039 The major anthocyanin pigments of the wild strawberry (Fragaria vesca). Ernest Sondheimer & Carole B. Karash. Nature, 178, 648-649. 1956.
- 1040 Influence of cauliflower mosaic and turnip mosaic viruses on yields of cabbage in New York State. J. J. Natti. Plant Dis. Reporter, 40, 591-595. 1956.
- 1041 After-effect in the degradation of cellulose and pectin by gamma rays. R. E. Glegg & Z. I. Kertesz. Science, 124, 893-894. 1956.
- 1042 Longevity of Seeds exposed to dry heat. Willard Crosier. Proc. Assoc. Off. Seed Anal., 1956, 72-73. 1956.

- 1043 The influence of vining on the development of off-flavor in frozen raw peas. Frank A. Lee, A. C. Wagenknecht & Rosemary J. Graham. Food Research, 21, 666-670. 1956.
- X 1044 The preparation of lipase from peas (Pisum sativus) and the activity of steapsin and pea lipase on pea crude lipid. F. A. Lee, A. C. Wagenknecht & Rosemary J. Graham. Arch. Biochem. & Biophys.,
- 1045 Spacing and fertility level studies with a paste-type tomato. M. T. Vittum & W. T. Tapley. Proc. Amer. Soc. Hort. Sci., 69, 323-326. 1957.
- 1046 The comparative value of various indexing hosts in detecting stone fruit viruses. R. M. Gilmer & K. D. Brase. Plant Dis. Reporter, 40, 767-770. 1956.
- 1047 Effect of gamma radiation on cellulose. R. E. Glegg & Z. I. Kertesz. Jour. Polymer Sci., 26, 289-297. 1957.
- 1048 Effects of ionizing radiations on plant tissues: II. Softening of different varieties of apples and carrots by gamma rays. Frank P. Boyle, Z. I. Kertesz, R. E. Glegg & M. C. Connor, Jr. Food Res., 22, 89-95. 1957.
- 1049 The influence of oxygen and water on the after-effect in cellulose degradation by gamma rays. R. E. Glegg. Radiation Res., 6, 469-473. 1957.
- X 1050 The control of insect and mite pests of orchard crops in north-eastern United States. P. J. Chapman. Proc. 10th Intern. Congress Ent.
- 1051 Field and laboratory evaluation of lead arsenate, wettable sulfur, and hydrated lime against the plum curculio. E. H. Smith. Jour. Econ. Ent., 50, 177-183. 1957.
- 1052 The occurrence of cholinesterase in insect eggs and its role in the ovicidal action of organophosphates. E. H. Smith & A. C. Wagenknecht. Proc. 10th Intern. Congr. Ent.
- 1053 New York vineyard weed control trials in 1956. Nelson Shaulis, T. D. Jordan & Harold Sweet. Proc. N. E. Weed Control Conf., 11, 52-57. 1957.
- 1054 The behavior of some stone fruit virus isolates in cucumber and a new differential cucurbit host for a stone fruit virus. R. M. Gilmer. Plant Dis. Reporter.,

- 1055 Bitter flavor in carrots: III. The isolation of a compound with spectral characteristics similar to hydrocarbon extracts of bitter carrots. Ernest Sondheimer. Food Res., 22, 296-299. 1957.
- X 1056 An instrument for evaluating the texture of fruits and vegetables. J. C. Moyer, D. E. Wilson & D. B. Hand. Food Technol.,
- X 1057 An experimental grape stemmer. J. C. Moyer. Food Eng.,
- 1058 Evaluation of organic phosphorus insecticides for grape leaf-hopper control. E. F. Taschenberg. Jour. Econ. Ent., 50, 411-414. 1957.
- 1059 Evapotranspiration rates for alfalfa and vegetable crops in New York State. N. H. Peck, M. T. Vittum & R. D. Miller. Agron. Jour., 50, 109-112. 1958.
- X 1060 Imides from asparagine and glutamine: II. Alpha-aminoglutarimide. Ernest Sondheimer & Robert W. Holley. Jour. Amer. Chem. Soc.,
- 1061 A method for rearing the plum curculio under laboratory conditions, including some biological observations. E. H. Smith. Jour. Econ. Ent., 50, 127-190. 1957.
- X 1062 Problems, experience and research in insect and mite control. P. J. Chapman,. Ann. Rpt. Mass. Fruit Growers Assoc.,
- X 1063 The effect of alternate freezing and thawing on the total flora of frozen vegetables. G. J. Hucker & Elizabeth Russell David. Food Technol.,
- X 1064 The effect of alternate freezing and thawing on the total flora of frozen chicken pies. G. J. Hucker & Elizabeth Russel David. Food Technol.,
- 1065 Control of peach leaf curl with omadine and of brown rot with omadine and certain antibiotics. Michael Szkolnik & J. M. Hamilton. Plant Dis. Reporter, 41, 289-292. 1957.
- 1066 Omadine, a promising new organic fungicide for the control of blossom blight of pears. J. M. Hamilton & Michael Szkolnik. Plant Dis. Reporter, 41, 301-302. 1957.
- 1067 Performance of omadine, AC 5223 and other promising fungicides in the control of apple scab and cedar-apple rust. J. M. Hamilton & Michael Szkolnik. Plant Dis. Reporter, 41, 293-300. 1957.

- X 1068 Micrococcus aurantiacus Adametz and Wichmann, 1888. R. S. Breed & G. J. Hucker. Intern. Bul. Bact. Nomenclature & Taxom.,
- X 1069 The status of the genus Micrococcus Cohn, 1872. Robert S. Breed & G. J. Hucker. Intern. Bul. Bact. Nomenclature & Taxom.,
- 1070 The lipides of green peas. A. C. Wagenknecht. Jour. Amer. Oil Chem. Soc., 34, 509-513. 1957.
- 1071 Bitter flavor in carrots: IV. The isolation and identification of 3-methyl-6-methoxy-8-hydroxy-3, 4-dihydroisocoumarin from bitter carrots. Ernest Sondheimer. Jour. Amer. Chem. Soc., 79, 5036-5039. 1957.
- 1072 The occurrence of resistance to TDE (DDD) in the red-banded leaf roller. E. H. Glass. Jour. Econ. Ent., 50, 674-676. 1957.
- 1073 Studies on the milky disease organisms: I. Parasitic growth and sporulation of Bacillus popilliae Dutky. K. H. Steinkraus. Jour. Bact., 74, 621-624. 1957.
- 1074 Studies on the milky disease organisms: II. Saprophytic growth of Bacillus popilliae Dutky. K. H. Steinkraus. Jour. Bact., 74, 625-632. 1957.
- 1075 Enzyme action and off-flavor in frozen peas. A. C. Wagenknecht & Frank A. Lee. Food Res., 23, 25-31. 1958.
- 1076 Efficiency of Oils and Other Early Season Treatments for the control of the European Red Mite, Metatransychus ulmi (Koch).
- X 1077 The effect of breaking the skin on the cross-circulation drying of green beans. J. C. Moyer, W. B. Robinson, H. R. Pallesen & D. B. Hand. Food Technol.,
- X 1078 Occurrence of asparagine and malic acid in sour cherries. Kuang C. Li & A. C. Wagenknecht. Science,
- 1079 The relative effectiveness of various insecticide-fungicide treatments on lima beans after several months storage. F. L. McEwen, J. J. Natti, G. E. R. Hervey & W. T. Schroeder. Jour. Econ. Ent., 50, 775-777. 1957.
- 1080 Host range and transmission of the pea enation mosaic virus. F. L. McEwen, W. T. Schroeder & A. C. Davis. Jour. Econ. Ent., 50, 770-775. 1957.
- 1081 The effect of blanching on the carbonyl content of the crude lipid during the storage of frozen peas. Frank A. Lee. Food Res.,

- 1082 A germinator designed for slant roll tests. B. E. Clark. Proc. Assoc. Off. Seed Anal., 47, 183-184. 1957.
- 1083 Laboratory germination of annual phlox seed. C. E. Heit. Proc. Assoc. Off. Seed Anal., 47, 154-157. 1957.
- 1084 Control of downy mildew of broccoli with antibiotics and fungicides. J. J. Natti. Plant Dis. Reporter, 41, 780-788. 1957.
- 1085 Three interesting fungi of flower seeds. W. F. Crosier & C. E. Heit. Proc. Assoc. Off. Seed Anal., 47, 191-196. 1957.
- 1086 Studies on milky disease organisms: III. Variability among strains of Bacillus popilliae Dutky sporulating on artificial media. K. H. Steinkraus & Margaret L. Provvidenti. Jour. Bact., 75, 38-42. 1958.
- 1087 Causes of scald in red tart cherries. R. L. LaBelle, J. C. Moyer W. B. Robinson & D. B. Hand. Food Technol., 12, 94-98. 1958.
- 1088 Laboratory germination and vigor as compared to soil tests and field performance in flower seed. C. E. Heit. Proc. Amer. Assoc. Off. Seed Anal., 47, 126-135. 1957.
- 1089 Objective evaluation of color and consistency in peach puree. D. E. Wilson, J. C. Moyer, W. B. Robinson & D. B. Hand. Food Technol., 11, 479-482. 1957.
- 1090 Fungi involved and methods of conducting cold tests. W. F. Crosier. Proc. Assoc. Off. Seed Anal., 47, 185-190. 1957.
- X 1091 The effect of variations in pruning severity on the growth, yield and fruit soluble solids of Concord grapes. Keith Kimball & Nelson Shaulis. Proc. Amer. Soc. Hort. Sci.,
- X 1092 Enzymes active in the intact spore. Norman L. Lawrence. Proc. Amer. Inst. Biolog. Sci.,
- X 1093 The occurrence of plasmalogens in the lipides of green peas. A. C. Wagenknecht. Science.,
- X 1094 The blanching process. Frank A. Lee. Adv. in Food Res., VIII
- X 1095 The quality of dehydrated peas in relation to maturity. J. C. Moyer, W. B. Robinson, H. R. Pallenon & D. B. Hand. Food Technol.,

- X 1096 Selective action of protectant fungicides upon Rhizobium. A. W. Hofer. Soil Sci.,
- 1097 Value of insecticide-fungicide combination treatments as protectants for seed of cucumber and winter squash. J. J. Natti, W. T. Schroeder, G. E. R. Hervey & F. L. McEwen. Plant Dis. Reporter,
- X 1098 Chlorotic fleck, an Eriophyid mite injury of Myrobalan plum. R. M. Gilmer & F. L. McEwen. Jour. Econ. Ent.,
- X 1099 The inheritance of certain fruit characters in the apple. L. G. Klein. Amer. Soc. Hort. Sci. Proc.,