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C. O. Chichester

Publications

1. Stadtman, F.H., C.O. Chichester and G. Mackinney. 1952. Carbon dioxide production in the browning reaction. *Journal of the American Chemical Society* 74:3194.
2. Chichester, C.O., F.H. Stadtman and G. Mackinney. 1952. On the products of the Maillard reaction. *Journal of the American Chemical Society* 74:3418.
3. Mackinney, G., T. Nakayama, C.D. Buss and C.O. Chichester. 1952. Carotenoid production in *Phycomyces*. *Journal of the American Chemical Society* 74:3456.
- ✓ 4. MacKinney, G. and C.O. Chichester. 1952. Color deterioration in strawberry preserves. *The Canner*. pp.13.
5. Mackinney, G., T. Nakayama, C.O. Chichester and C.D. Buss. 1953. Biosynthesis of carotene in *Phycomyces*. *Journal of the American Chemical Society* 75:236.
6. Mackinney, G., C.O. Chichester and Patricia S. Wong. 1953. Carotenoids in *Phycomyces*. *Journal of the American Chemical Society* 75:5428.
7. Mackinney, G. and C.O. Chichester. 1954. The color problem in foods. IN: *Advances in Food Research* V.
8. Chichester, C.O., Patricia S. Wong and G. Mackinney. May 1954. On the biosynthesis of carotenoids. *Plant Physiology* 29(3):238-241.
9. Mackinney, G., C.O. Chichester and Patricia S. Wong. Dec. 1954. On carotenoid synthesis in *Phycomyces blakesleanus*. *Archives of Biochemistry and Biophysics* 53(2):479-483.
10. Mackinney, G., A. Lukton and C.O. Chichester. 1955 Strawberry preserves by a low temperature process. *Food Technology* 9(7):324-326.
- ✓ 11. Chichester, C.O., T. Nakayama and G. Mackinney. June 1955. Incorporation of labeled leucine into carotene by phycomyces. *Journal of Biological Chemistry* 214(2):515-517.
- ✓ 12. Mackinney, G., C.O. Chichester and T. Nakayama. 1955. The incorporation of glycine carbon into beta-carotene in *Phycomyces blakeslaeanus*. *Biochemical Journal* 60(4):37.
13. Inhoffen, H.H., U. Schwieter, C.O. Chichester and G. Mackinney. 1955. Synthesis of centrally labeled (15,15)-beta-carotene. *Journal of American Chemical Society* 77:1053.
- ✓ 14. Lukton, A., C.O. Chichester and G. Mackinney. Oct. 1955. Characterization of a second pigment in strawberries. *Nature* 176:790.
- ✓ 15. Chichester, C.O., and Clarence Sterling. 1956. Continuous recording of gel deformation in crop and recovery. *Food Research* 21(3):397-401.
- ✓ 16. Chichester, C.O., T. Nakayama and G. Mackinney. 1956. A carbon balance on glycine and glucose in carotene synthesis. *Journal of Biological Chemistry* 221(2):819-822.

- ✓ 17. Lukton, A., C.O. Chichester and G. Mackinney. 1956. The breakdown of strawberry anthocyanian pigment. *Food Technology* 10(9):427-432.
18. Mackinney, G., T. Nakayama and C.O. Chichester. June 1956. On the biosynthesis of carotenoids. *Journal of Biological Chemistry* 22(2):759-763.
- ✓ 19. Sterling, Clarence, and C.O. Chichester. 1956. Autoradiography of water-soluble materials in plant tissues. *Stain Technology* 31(5):227-230.
20. Yokoyama, H., C.O. Chichester, T. Nakayama, A. Lukton and G. Mackinney. 1957. Carotene, 3-C<sup>14</sup> and e-C<sup>14</sup> leucine. *Journal of the American Chemical Society* 79:2029.
- ✓ 21. Chichester, C.O., and Clarence Sterling. 1957. Measuring stress relaxation in starch gels. *Cereal Chemistry* 34(4):233-237.

---

22. Chichester, C.O. 1957. The application of dielectric heating to freeze-drying of fruit. *Food Freezer and Packer*. (no reprints)
- ✓ 23. Nakayama, T., C.O. Chichester, A. Lukton and G. Mackinney. Feb. 1957. Phytoene production in *Phycomyces*. *Archives of Biochemistry and Biophysics* 66(2):310-315.
- ✓ 24. Jackson, S., Suzanne L. Rickter and C.O. Chichester. 1957. Freeze-dying of fruit. *Food Technology* 11(9):468-470.
- ✓ 25. Wuhrmann, J.J., H. Yokohama and C.O. Chichester. 1957. The degradation of leucine-derived carotenes. *Journal of the American Chemical Society* 79:4569.
- ✓ 26. Dame Jr, C, C.O. Chichester and G.L. Marsh. 1957. Studies of processed all-green asparagus. I. Quantitative analysis of soluble compounds with respect to strain and harvest variables and their distribution within the asparagus. *Food Research* 22(6):658-672.
- ✓ 27. Dame Jr, C., C.O. Chichester and G.L. Marsh. 1957. Studies of processed all-green asparagus. II. The effect of post-harvest storage and blanching variables upon the chemical composition of processed asparagus. *Food Research* 22(6):673-681.
- ✓ 28. Hughes, R.E., Jr., C.O. Chichester and Clarence Sterling. 1958. Penetration of maltosaccharides into processed clingstone peaches. *Food Technology* 12(2):111-115.
29. Lahikainen, Toini, M.A. Joslyn and C.O. Chichester. Feb. 1958. Browning reactions. Mechanism of browning of ascorbic acid-citric acid-glycine systems. *Agricultural and Food Chemistry* 6(2):135-139.
- ✓ 30. Little, Angela C, C.O. Chichester and G. Mackinney. 1958. On the color of coffee. II. *Food Technology* 12(10):505-507.
31. Little, Angela C, C.O. Chichester and G. Mackinney. 1958. On color measurements of foods. *Food Technology* 12(8):403-409.
- ✓ 32. Sterling, C., C.O. Chichester and R.E. Hughes, Jr. 1958. Bruising and the "quality" of freestone peaches. *Food Technology* 12(4):196.
33. Chichester and G. Snively (correct order of authors?). 1959. Safety in racing. *A.A.A.M. Journal* 16(12):27-43.

34. Chichester, C.O. 1959. Review of bibliography of foods. *Quarterly Review of Biology* 34(2):172.
- ✓ 35. Wuhrmann, J.J., Marion Simone and C.O. Chichester. 1959. The storage stability of freeze-dried soup mixes. *Food Technology* 13(1):36-40.
- ✓ 36. Chichester, C.O., H. Yokoyama, T.O.M. Nakayama, A. Lukton and G. Mackinney. 1959. Leucine metabolism and carotene biosynthesis. *Journal of Biochemistry* 234(3):598-602.
- ✓ 37. Varma, T.N.R., C.O. Chichester and G. Mackinney. 1959. Effects of starvation and diphenylamine on carotenoids in *Phycomyces*. *Nature* 183:188-189.
38. Chichester, C.O. 1959. Review of chemical analysis of foods. *Quarterly Review of Biology* 34(3):172.

---

39. Chichester, C.O. 1959. Review of process engineering in the food industry. *Quarterly Review of Biology* 34(3):173.
- ✓ 40. Dame Jr, C., C.O. Chichester and G.L. Marsh. 1959. Studies of processed all-green asparagus. III. Qualitative and quantitative studies of non-volatile organic acids by chromatographic techniques. *Food Research* 24(1):20-27.
- ✓ 41. Dame Jr, C., C.O. Chichester and G.L. Marsh. 1959. Studies of processed all-green asparagus. IV. The influence of tin on the solubility of rutin and on the concentration of rutin present in the brines of asparagus processed in glass and tin containers. *Food Research* 24(1):28-36.
42. Simone, Marion, Floyd Carroll and C.O. Chichester. 1959. Differences in eating quality factors of beef from 18- and 30-month steers. *Food Technology* 13:337-340.
43. Chichester, C.O. 1959. The retention of green color in vegetables. *National Canner and Bottler* 121:8-9.
- ✓ 44. Little, Angela C, C.O. Chichester and G. Mackinney. 1959. On the color of coffee. III. Effect of roasting conditions on flavor development for a given color. Role of initial moisture level on roasting characteristics of green coffee beans. *Food Technology* 13:684-688.
45. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1960. *Advances in Food Research IX*.
- ✓ 46. Miller, M.W., and C.O. Chichester. June 1960. The constituents of the crystalline deposits on dried fruit. *Food Research* 25(3):424-428.
- ✓ 47. Sterling, Clarence, and C.O. Chichester. 1960. Sugar distribution in plant tissues cooked in syrup. *Food Research* 25(2):157-160.
48. Chichester, G. Mackinney and H. Yokoyama (is this correct order of authors?). 1960. Formation of carotene *in vitro*. *Nature* 185:687-688.
- ✓ 49. Yokoyama, H., C.O. Chichester and G. Mackinney. 1960. Formation of carotene *in vitro*. *Nature* 185(4714):687-688.
- ✓ 50. Mackinney, G. and C.O. Chichester. 1960. Biosynthesis of carotenoids. pp.205-214, IN: **Comparative Biochemistry of Photoreactive Systems**, Academic Press, New York.

- ✓ 51. Harper, J. and C.O. Chichester. 1960. Freeze drying - Application of dielectric heating to freeze-drying. pp.11-14, IN: **NRC Book - Freeze-Deydration of Foods**, Research and Development Associates.
52. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1961. *Advances in Food Research X*.
53. Chichester and G. Snively (correct order of authors?). 1961. Impact survival levels of head acceleration in man. *Journal of American Space Medicine (or Aerospace Medicine?)* 32(4):316-321.
- ✓ 54. Simone, Marion, F.D. Carroll, C.O. Chichester and J.R. Whitaker. 1961. Quality factors of beef as affected by delayed growth due to protein deficiency. *Animal Science* 20(2):353-357.
55. Snively, George C., Charles Kovacic and C.O. Chichester. 1961. Design of football helmets. *Research Quarterly* 32(2):221-228. American Association for Health, Physical Education and Recreation, National Education Association.
56. Chichester, C.O. 1961. Food pollution. *Chemical Engineering Progress Symposium Series* 57(35):27-30.
57. Chichester, C.O., Nancy Sharrah and Marion Simone. 1960 OR 1961?. Instant bread mix: Studies on dehydration of flavoring material. *Food Technology* 14(12):653-657.
58. Simone, Marion, Nancy Sharrah and C.O. Chichester. 1961. Instant bread mix: Consumer evaluation of prepared bread. *Food Technology* 14(12):657-662.
59. Simpson, Kenneth L., C.O. Chichester and Reese H. Vaughn. 1961. Compounds responsible for the color of black "ripe" olives. *Journal of Food Science* 26(3):227-233.
60. Yamamoto, H., H. Yokoyama, K. Simpson, T.O.M. Nakayama and C.O. Chichester. 1961. Incorporation of 5,10,15 <sup>14</sup>C-farnesol pyrophosphate into *Phycomyces carotenoids*. *Nature* 191(4795):1299-1300.
61. Yamamoto, H., C.O. Chichester and T.O.M. Nakayama. 1961. Color reaction of epoxy and furanoid carotenoids with mercuric chloride. *Analytical Chemistry* 33:1792.
62. Chichester, S.F. Jackson and M.A. Joslyn. 1961. The browning of ascorbic acid. *Food Research* 25(4):484-491.
63. Cho, Duck Hiyon and C.O. Chichester. 1961. Biosynthesis of anthocyanins in radishes. *Food Research* 25(4):507-513.
- ✓ 64. Leonard, S.J., B.S. Luh, C.O. Chichester and Marion Simone. Nov. 1961. Relationship of fresh clingstone peach color to color and grade after canning. *Food Technology* 15(11):492-494.
65. Varma, T.N.R. and C.O. Chichester. 1961. Biosynthesis of carotenoids. *Reviews in Food Technology* 3:109-130.
66. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1962. *Advances in Food Research XI*.
67. Yamamoto, H.Y., C.O. Chichester and T.O.M. Nakayama. 1962. Xanthophylls and the Hill reaction. *Photochemistry and Photobiology* 1:53-57.
68. Varma, T.N.R. and C.O. Chichester. 1962. Incorporation of  $\Delta^3$ -isopentenyl pyrophosphate into lycopene in tomato homogenate. *Archives of Biochemistry and Biophysics* 96:265-269.

69. Varma, T.N.R. and C.O. Chichester. 1962. Incorporation of citral-C<sup>14</sup> and geraniol-C<sup>14</sup> into beta-carotene in carrot root slices; interconversion of citral and geraniol in carrot root slices and by alcohol dehydrogenase. Archives of Biochemistry and Biophysics 96:419-422.
70. Harper, J.C., C.O. Chichester and T.E. Roberts. 1962. Freeze-drying of foods. Agricultural Engineering 43(2):78-81, 90.
71. Ough, C.S., H.W. Berg and C.O. Chichester. 1962. Approximation of per cent brightness and dominant wavelength and some blending application with red wines. American Journal of Enology and Viticulture 13(1):32-39.
72. Simone, Marion, Nancy Sharrah and C.O. Chichester. 1962. Instant bread mix: Variations in flavoring composition. Food Technology 16(2):93-96.
73. Yamamoto, H.Y., C.O. Chichester and T.O.M. Nakayama. 1962. Biosynthetic origin of oxygen in the leaf Xanthophylls. Archives of Biochemistry and Biophysics 96:645-649.
74. Yamamoto, H.Y., T.O.M. Nakayama and C.O. Chichester. 1962. Studies on the light and dark interconversions of leaf xanthophylls. Archives of Biochemistry and Biophysics 97:168-173.
75. Yokoyama, H., T.O.M. Nakayama and C.O. Chichester. 1962. Biosynthesis of beta-carotene by cell-free extracts of *Phycomyces blakesleanus*. Journal of Biological Chemistry 237(3):681-686.
76. Chichester, C.O. 1962. Chemical aspects of food processing. C.S.I.R.O. Food Preservation Quarterly 22(2):25-32.
77. Yokohama, H., C. Chichester and T. Nakayama. 1962. Oxygen requirement in carotenogenesis. Proceedings, Biochemical Society, Biochemical Journal 85(2):11-12.
78. Schanderl, Sigmund H., C.O. Chichester and G.L. Marsh. 1962. Degradation of chlorophyll and several derivatives in acid solution. Journal of Organic Chemistry 27:3865-3868.
79. Chichester, C.O. 1963. Food technological problems in adverse environments. Federation Proceedings 22(6):1447-1450.
80. Nakayama, T.O.M. and C.O. Chichester. 1963. Astringency of persimmons (*Diospyros kaki* L.). Nature 199(4888):72-73.
81. Bourne, M.C., C.O. Chichester and C. Sterling. 1963. Diffusion constants of a maltosaccharide series. Journal of Polymer Science:Part A 1(2):817-821.
82. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1963. Advances in Food Research XII.
83. Slanetz, L.W., C.O. Chichester, A.R. Gaufin and Z.J. Ordal. eds. 1963. **Microbiological Quality of Foods**, Academic Press, New York. 290pp.
84. Chichester, C.O. 1963. Agricultural and food technology in Uruguay: Nutritional Survey of Uruguay. ICNND I:203-281.
85. Chichester, C.O. and T.O.M. Nakayama. 1963. The biosynthesis of carotenoids and vitamin A. pp.475-508, IN: **Biogenesis of Natural Compounds**, Chapter 10. Pergamon Press, New York.
86. Simpson, K.L., A.W. Wilson, E. Burton, T.O.M. Nakayama and C.O. Chichester. Nov. 1963. Modified French press for the disruption of microorganisms. Journal of Bacteriology 86:1126-1127.

87. Neethling, L.P., H.G. Reiber and C.O. Chichester. 1963. Kinetics and mechanism of the alkaline cleavage of citral. National Conference on Nuclear Energy 1963: Application of Isotopes and Radiation, Pretoria, Republic of South Africa. pp.43-49.
88. Neethling, L.P., H.G. Reiber and C.O. Chichester. 1963. Biosynthesis of citral in *Eucalyptus steigeriana*. National Conference on Nuclear Energy 1963: Application of Isotopes and Radiation, Pretoria, Republic of South Africa, pp.451-455.
89. Harper, J.C. and C.O. Chichester. 1963. Improvements in rates of freeze-drying. 1963 Transactions – 10<sup>th</sup> National Vacuum Symposium, American Vacuum Society 1963:47-53.
90. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1964. Advances in Food Research XIII.
- ✓ 91. Luh, B.S., C.O. Chichester, W. Gudel and R. Perez. 1964. Evaluacion de la calidad de los alimentos enlatados venezolanos. Archives Venezolanos de Nutricion 14(2):151-166.
- ✓ 92. Luh, B.S., C.O. Chichester, Henry Co and S.J. Leonard. April 1964. Factors influencing storage stability of canned tomato paste. Food Technology 18(4):159-162.
93. Simpson, K.L., T.O.M. Nakayama and C.O. Chichester. 1964. The performance of a commercial high-temperature ionization chamber for radioisotope analysis of gas chromatography vapors. Journal of Chromatography 13:354-360.
94. Glick, Z., T.O.M. Nakayama and C.O. Chichester. 1964. Some aspects of alicyclic carotenoid synthesis by microorganisms. Proceedings, 1<sup>st</sup> International Congress of Food Science and Technology 1964:411-414.
95. Bourne, M.C. and C.O. Chichester. Sept. 1964. Test of a diffusion measuring apparatus. Journal of Scientific Instruments 41:577-578.
96. Berg, N.W., C.S. Ough and C.O. Chichester. May 1964. The prediction of perceptibility of luminous-transmittance and dominant wave length differences among red wines by spectrophotometric measurements. Journal of Food Science 29(5):661-667.
97. Simpson, K.L., T.O. Nakayama and C.O. Chichester. Dec. 1964. The biosynthesis of yeast carotenoids. Journal of Bacteriology 88:1688-1694.
98. Reyes, Philip, C.O. Chichester and T.O.M. Nakayama. 1964. The mechanism of beta-ionone stimulation of carotenoid and ergosterol biosynthesis in *Phycomyces blakeslieanus*. Biochimica et Biophysica Acta 90:578-592.
99. Simpson, E.L., T.O.M. Nakayama and C.O. Chichester. 1964. The biosynthetic origin of the carboxyl oxygen atoms of the carotenoid pigment, torularhodin. Biochemical Journal 92:508-510.
100. Chichester, C.O. July 1964. Preservation of organoleptic properties and storage problems in freeze-dried foodstuffs. pp.571-579, IN: L. Rey (ed.), **Aspects Theoriques et Industriels de la Lyophilisation**, Hermann, Paris.
101. Stewart, G.F., M.L. Anson, E.M. Mrak and C.O. Chichester. eds. 1965. Monographs in Food Science and Technology. M.A. Amerine, E. Roessler and Rose Marie Pangborn. Science and Technology: Principles of Sensory Evaluation of Food. Academic Press, New York and London. 602pp.
- ✓ 102. Hsia, C.L., B.S. Luh and C.O. Chichester. Feb. 1965. Anthocyanin in freestone peaches. Journal of Food Science 30(1):5-12.

- ✓ 103. Schanderl, Sigmund, G.L. Marsh and C.O. Chichester. 1965. Color reversion in processed vegetables. I. Studies on regreened pea purees. *Journal of Food Science* 30(2):312-316.
- ✓ 104. Schanderl, Sigmund, G.L. Marsh and C.O. Chichester. 1965. Color reversion in processed vegetables. II. Model system studies. *Journal of Food Science* 30(2):317-324.
105. Creasy, L.L., E.C. Maxie and C.O. Chichester. 1965. Anthocyanin production in strawberry leaf disks. *Phytochemistry* 4:517-521.
106. Nakayama, T.O.M. and C.O. Chichester. 1965. Part III: Pigment changes in senescent and stored tissues. pp.439-347, IN: T.W. Goodwin (ed.), **Chemistry and Biochemistry of Plant Pigments**, Academic Press, London.
- 
107. Davies, B.H., W.J. Hsu and C.O. Chichester. 1965. The metabolism of carotenoids in the brine shrimp. *Biochemical Journal* 94:26.
108. Chichester, C.O. ed. 1965. **Research in Pesticides**, Academic Press, New York. 380pp. (Proceedings of the Conference on Research Needs and Approaches to the Use of Agricultural Chemicals from a Public Health Viewpoint, Davis, California, October 1-3, 1964)
109. Yamamoto, H.Y. and C.O. Chichester. 1965. Dark incorporation of  $^{18}\text{O}_2$  into antheraxanthin by bean leaf. *Biochimica et Biophysica Acta* 109:303-308.
110. Chichester, C.O. and T.O.M. Nakayama. 1965. The biosynthesis of carotenoids and vitamin A (revision). IN: P. Bernfeld (ed.), **Biogenesis of Natural Compounds**, Pergamon Press.
111. Yasumatsu, K., T.O.M. Nakayama and C.O. Chichester. Aug. 1965. Flavonoids of sorghum. *Journal of Food Science* 30:663-667.
112. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1966. *Advances in Food Research* 15.
113. Stewart, G.F., M.L. Anson, E.M. Mrak and C.O. Chichester. eds. 1966. *Monographs in Food Science and Technology*. Gerald Reed. Use of Enzymes in Food Processing. Academic Press, New York and London.
114. Macmillan, James D., W. Andrew Maxwell and C.O. Chichester. 1966. Lethal photosensitization of microorganisms with light from a continuous-wave gas laser. *Photochemistry and Photobiology* 5:555-565.
- ✓ 115. Maxwell, W. Andrew, James D. Macmillan and C.O. Chichester. 1966. Function of carotenoids in protection of *Rhodotorula glutinis* against irradiation from a gas laser. *Photochemistry and Photobiology* 5:567-577.
116. Pinto, A. and C.O. Chichester. Oct. 1966. Changes in the content of free amino acids during roasting of cocoa beans. *Journal of Food Science* 31(5):726-732.
117. Song, Pill-Soon, C.O. Chichester and F.H. Stadtman. Dec. 1966. Kinetic behavior and mechanism of inhibition in the Maillard Reaction. I. Kinetic behavior of the reaction between D-glucose and glycine. *Journal of Food Science* 31(6):906-913.
118. Song, Pill-Soon and C.O. Chichester. 1966. Kinetic behavior and mechanism of inhibition in the Maillard Reaction. II. Mechanistic considerations in the reaction between D-glucose and glycine. *Journal of Food Science* 31(6):914-926.

119. Donohue, H.V., Larry K. Lowry, C.O. Chichester and Henry Yokoyama. 1966. The structure of neoxanthin. *Chemical Communications* 1966:807.
120. Stewart, G.F., M.L. Anson, E.M. Mrak and C.O. Chichester. eds. 1966. *Monographs in Food Science and Technology*. C.R. Stumbo. *Thermobacteriology in Food Processing*, Academic Press, New York and London. 236pp.
121. Anson, M.L., C.O. Chichester, E.M. Mrak and G.F. Stewart. eds. 1966. *Monographs in Food Science and Technology*. 1966. G. Reed, *Enzymes in Food Processing*. Academic Press, New York and London. 483pp.
122. Chichester, C.O., H.V. Donohue and T.O.M. Nakayama. 1966. Oxygen reactions of xanthophylls. pp.431-440. IN: Goodwin (ed.), **Biochemistry of Chloroplasts**, Part V of Vol. II. Academic Press, London.

---

123. Lowry, Larry K. and C.O. Chichester. 1967. Beta-Ionone and its effect on the incorporation of <sup>14</sup>C mevalonate into carotenes and high counting fractions in carrot root. *Phytochemistry* 6:367-370.
- ✓ 124. Song, Pill-Soon and C.O. Chichester. Feb. 1967. Kinetic behavior and mechanism of inhibition in the Maillard reaction. III. Kinetic behavior of the inhibition in the reaction between D-glucose and glycine. *Journal of Food Science* 32(1):98-106.
- ✓ 125. Song, Pill-Soon and C.O. Chichester. 1967. Behavior and mechanism of inhibition in the Maillard reaction. IV. Mechanism of the inhibition. *Journal of Food Science* 32(1):107-115.
- ✓ 126. Chichester, C.O. The biosynthesis of carotenoids. 1967. *Pure and Applied Chemistry* 14:215-226.
- ✓ 127. Mallams, A.K., E.S. Waight, B.C.L. Weedon, L. Cholnoky, K. Györgyey, J. Szabolcs, N.I. Krinsky, B.P. Schimmer, C.O. Chichester, T. Nakayama, L. Lowry and H. Yokoyama. 1967. The identity of neoxanthin and foliixanthin. *Chemical Communications*. 1967:484-485.
- ✓ 128. Chichester, C.O. and T.O.M. Nakayama. 1967. The biosynthesis of carotenoids and vitamin A. Chapter 10, pp.641-678, IN: **Biogenesis of Natural Compounds**, 2<sup>nd</sup> Ed. Pergamon Press, New York.
129. Stewart, G.F., C.O. Chichester and E.M. Mrak. eds. 1967. *Monographs in Food Science and Technology*. S.M. Herschdoerfer et al. *Quality Control in the Food Industry*. Academic Press, New York and London. 385pp.
130. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1967. *Advances in Food Research*. D.E. Hathaway et al. Vol. 15. Academic Press, New York. 363pp.
131. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1968. *Advances in Food Research*. R. Bressani et al. Vol. 16. Academic Press, New York. 461pp.
132. Chichester, C.O. 1968. The new breed of food scientist. *The Food Scientist* 6(1):17-23.
133. Graham, H.D., C.O. Chichester, J.C. Ayres, F.R. Blood, R.S. McCutcheon, J.J. Powers, B.S. Schweigert, A.D. Stevens and G. Zweig. 1968. **The Safety of Foods**. Proceedings of a conference held in Mayaguez, Puerto Rico. Avi Publishing Company. 367pp.
134. Planella, I., D.F. Owen, G. Spiller and C.O. Chichester. July 1968. Efecto de diferentes procesos en la calidad proteica de cereales enriquecidos con amino acidos. *Nutricion, Bromatologia, Toxicologia* 7(3):44-48.
135. Planella, I., C.O. Chichester and D. Owen. March 1968. Nutritional changes during proessing. *Nutrition, Bromatologia y Toxicologia* 8(3):65-72. (Copy not available.)

136. Chichester, C.O. 1968. Contribution of food technology in augmenting food production. pp.181-187, Proceedings of Panel sobre "Cultivos Alimenticios y Nutricion Humana," FAO-INCAP Pub Misc. No. 40.
137. Chichester, C.O., J.C. Ayres, S.A. Goldblith, M.A. Joslyn, R.T. Milner, J.J. Powers and B.S. Schweigert. eds. 1969. **101 Problems in Food Science and Technology**, Consumer Protection and Environmental Health Services Administration, PHS, HEW. 192pp.
- ✓ 138. Zorzut, C.M. and C.O. Chichester. 1969. Sullo Stato delle Tecnologie Alimentari Negli Stati Uniti d'America: Indirizzi e Novita' Emersi dalla 84<sup>a</sup> Esposizione Nazionale per le Industrie Alimentari. Public of Istituto de Chimica Agraria dell' Universita' di Bologna, Italy: Industrie Agrarie 7:220-222 (Maggio 1969).
- 
139. Hsia, C.L., B.S. Luh and C.O. Chichester. 1969. Chemistry of anthocyanin in Elberta freestone peaches. p.429-444, IN: J.M. Leitch (ed.), **Proceedings of the First International Congress of Food Science and Technology**, Volume 1, Gordon and Breach Science Publishers, New York.
140. Luh, B.S., C.O. Chichester and S.J. Leonard. 1969. Brown discoloration in canned freestone peaches. p.401-409, IN: J.M. Leitch (ed.), **Proceedings of the First International Congress of Food Science and Technology**, Volume 1, Gordon and Breach Science Publishers, New York.
141. Chichester, C.O, E.M. Mrak and G.F. Stewart. eds. 1969. *Advances in Food Research*, Vol. 17, Academic Press, New York. 300 pp.
- ✓ 142. Chichester, C.O. 1969. Chile: Improving preschool child nutrition. *League for International Food Education Newsletter*. pp.1-2.
- ✓ 143. Hasegawa, Kiyozo, James D. Macmillan, W.A. Maxwell and C.O. Chichester. Jan. 1969. Photosensitized bleaching of beta-carotene with light at 632.8 nm from a continuous-wave gas laser. *Photochemical Photobiology* 9:165-169.
- ✓ 144. Lee, Tung-Ching and C.O. Chichester. Feb. 1969. Geranylgeranyl pyrophosphate as the condensing unit for enzymatic synthesis of carotenes. *Phytochemistry* 8:603-609.
145. Chichester, C.O, E.M. Mrak and G.F. Stewart. eds. 1969. V. Singleton and P. Esau: Phenolic substance sin grapes and wine and their significance. *Advances in Food Research*, Supplement to Vol. 17, Academic Press, New York. 282pp.
146. Yokoyama, Henry and C.O. Chichester. 1969. Enzymatic synthesis of beta-carotene in *Phycomyces*. IN: R.B. Clayton (ed.), **Methods in Enzymology (Steroids and Terpenoids)**, Vol. XV, Academic Press, New York and London.
- ✓ 147. Yanez, E., Diane Ballester, A. Maccioni, Raul Spada, Ita Barja, Nelly Pak, C.O. Chichester, Gonzalo Donoso and Fernando Monckeberg. July 1969. Fish-protein concentrate and sunflower presscake meal as protein sources for human consumption. *The American Journal of Clinical Nutrition* 22(7):878-886.
- ✓ 148. Chichester, C.O. and W.A. Maxwell. 1969. The effects of high intensity visible and ultraviolet light on the death of microorganisms. pp.11-18, IN: **Life Sciences and Space Research VII**, North-Holland Publishing Company.

149. Chichester, C.O. et al. ed. 1969. Monographs in Food Science and Technology. L.A. Goldblatt: Aflatoxin: Scientific background, control and implications. Academic Press, New York and London. 472pp.
150. Chichester, C.O. et al. eds. 1969. Monographs in Food Science and Technology. I.E. Liener: Toxic constituents of plant foodstuffs. Academic Press, New York and London. 500pp.
151. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1969. Monographs in Food Science and Technology. H. Riemann: Food-borne infection. Academic Press, New York and London. 698pp.
152. Chichester, C.O., E.M. Mrak and G.F. Stewart. eds. 1969. Monographs in Food Science and Technology. S.M. Herschdoerfer et al.: Quality control in the food industry, Vol. II. Academic Press, New York and London.
153. Chichester, C.O. and W.A. Maxwell. 1969. The effects of high intensity visible and ultraviolet light on the death of microorganisms. Life Sciences and Space Research Vol. VII. Proceedings of the Open Meeting of Working Group V at the 11<sup>th</sup> Plenary Meeting of COSPAR. Part 2. Contamination and Sterilization. North-Holland Publishing Company, Amsterdam and London. pp.11-18.
- ✓ 154. Planella, I., D.F. Owen, G. Spiller and C.O. Chichester. 1969. The effect of processing on protein value of cereal protein supplements. Proceedings of Western Hemisphere Nutrition Congress II, American Medical Association, Chicago, Illinois. pp.110-113.
155. Blood, F.R., M.O. Amdur, C.O. Chichester, R.E. Gosselin, D.E. Moreland and G.L. Plaa. eds. 1969. P.B. Hammond: Essays in Toxicology. Vol. I, Academic Press. 169pp. (Book series)
- ✓ 156. Katayama, Teruhisa, Henry Yokoyama and C.O. Chichester. 1970. The biosynthesis of astaxanthin. I. The structure of alpha-doradexanthin. International Journal of Biochemistry 1:438-444.
- ✓ 157. Katayama, Teruhisa, Henry Yokoyama and C.O. Chichester. 1970. The biosynthesis of axtaxanhin. II. The carotenoids in Benibyna, *Carassius auratus*, especially the existence of new keto carotenoids, alpha-doradecin and alpha-doradexanthin. Japanese Society of Scientific Fisheries 36(7):702-708.
- ✓ 158. Katayama, Teruhisa, Henry Yokoyama and C.O. Chichester. 1970. The biosynthesis of astaxanthin. III. The carotenoids in sea breams. Japanese Society of Scientific Fisheries 36(7):709-714.
- ✓ 159. El-Tinay, A.H. and C.O. Chichester. 1970. Oxidation of beta-carotene. Site of initial attack. Journal of Organic Chemistry 35:2290-2293.
- ✓ 160. Davies, B.H., Wan-Jean Hsu and C.O. Chichester. 1970. The mechanism of the conversion of beta-carotene into canthaxanthin by the brine shrimp, *Artemia salina* L. (Crustacea: Branchiopoda). Comparative Biochemistry and Physiology 33:601-615.
- ✓ 161. Hsu, Wan-Jean, C.O. Chichester and B.H. Davies. 1970. The metabolism of beta-carotene and other carotenoids in the brine shrimp, *Artemia salina* L. (Crustacea: Branchiopoda). Comparative Biochemistry and Physiology 32:69-79.
- ✓ 162. Reid, M.S., T.H. Lee, H.K. Pratt and C.O. Chichester. 1970. Chlorophyll and carotenoid changes in developing muskmelons. Journal of the American Society of Horticultural Science 95:814-815.

- ✓ 163. Wijesekera, R.O.B. and C.O. Chichester. 1970. A method for the determination of 5-hydroxymethyl-2-furaldehyde in the presence of 2-furaldehyde (furfural). *Journal of Food Science* 35:702.
- ✓ 164. Maxwell, W.A. and C.O. Chichester. 1970. Free radical production in photodynamically inactivated cells of *Rhodotorula glutinis*. pp.68-76, IN: **Life Sciences and Space Research VIII**, North-Holland Publishing Company.
- ✓ 165. Ballester, Diana, R. Rodrigo, J. Nakouzi, C.O. Chichester, E. Yanez and F. Monckeberg. 1970. Rapeseed meal. II. Chemical composition and biological quality of the protein. *Journal of the Science of Food and Agriculture* 21(3):140-142.
- ✓ 166. Ballester, Diana, R. Rodrigo, J. Nakouzi, C.O. Chichester, E. Yanez and F. Monckeberg. 1970. Rapeseed meal. III. A simple method for detoxification. *Journal of the Science of Food and Agriculture* 21(3):143-144.
167. Chichester, C.O. ed. 1970. *Advances in Food Research*, Vol. 18, Academic Press, New York.
168. Chichester, C.O. ed. 1970. *Essays in Toxicology*, Vol. 2, Academic Press, New York.
169. Chichester, C.O. et al. ed. 1970. *Monographs in Food Science and Technology*. M. Glucksman: Gum technology in the food industry. Academic Press, New York and London. 492pp.
170. Chichester, C.O. et al. ed. 1970. *Monographs in Food Science and Technology*. M.A. Joslyn: Methods in food analysis (2<sup>nd</sup> ed.). Academic Press, New York and London. 512pp.
171. Chichester, C.O. ed. 1970. **The Food-People Balance**. Proceedings 6<sup>th</sup> Annual Meeting, National Academy of Engineering, Washington, D.C.
172. Nelson, Norton, C.O. Chichester et al. 1970. Environmental health. pp.831-887, IN: Philip Handler (ed.), **Biology and the Future of Man**, Ch. 19, Oxford University Press, New York.
173. Planella, I., D.F. Owen, G. Spiller and C.O. Chichester. April 1970. The effect of processing on protein value of cereal protein supplements. *Cereal Chemistry*:70-76.
- ✓ 174. Bernhard, Richard A., R.O.B. Wijesekera and C.O. Chichester. Jan. 1971. Terpenoids of cardamon oil and their comparative distribution among varieties. *Phytochemistry* 10(1):177-184.
175. Simpson, K.L., C.O. Chichester and H.J. Phaff. 1971. Carotenoid pigments of yeasts. p.493-515, IN: A.H. Rose and J.S. Harrison (eds.), **The Yeasts, Volume 2, Physiology and Biochemistry of Yeasts**, Academic Press, New York.
- ✓ 176. Maxwell, W.A. and C.O. Chichester. 1971. Photodynamic responses in *Rhodotorula glutinis* in the absence of added sensitizers. *Photochemical Photobiology* 13:259-273.
- ✓ 177. Lowry, Larry K. and C.O. Chichester. 1971. The role of thiamine, leucine and CO<sub>2</sub> in the biosynthesis of carotenes by the mold *Phycomyces blakesleeanus*. *Phytochemistry* 10:323-333.
- ✓ 178. Owen, D.F. and C.O. Chichester. 1971. A process for producing non-toxic rapeseed protein isolate and an acceptable feed by-product. *Cereal Chemistry* 48(2):91-96.

- ✓ 179. McFeeters, Roger F., Clinton O. Chichester and John R. Whitaker. 1971. Purification and properties of chlorophyllase from *Ailanthus altissima* (Tree-of-Heaven). *Plant Physiology* 47:609-618.
  - ✓ 180. Bae, M., T.H. Lee, H. Yokoyama, H.G. Boettger and C.O. Chichester. 1971. The occurrence of plectanixanthin in *Cryptococcus laurentii*. *Phytochemistry* 10:625-629.
  - ✓ 181. Lee, T.H., L.C. Erickson and C.O. Chichester. 1971. An evaluation of the use of grafted fruit for study of carotenoid and chlorophyll changes in regreening 'Valencia' orange peel. *Horticultural Science* 6(3):231-232.
  - ✓ 182. Chichester, C.O. and Roger McFeeters. 19\_\_\_. Pigment degeneration during processing and storage. p.07-719, IN: \_\_\_\_\_. (Latest reference cited is 1969)
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At end of Volume 2 are abstracts and reports.