List of Publications

- 1. Cruess, W.V., S. Leonard, J. Ponting and A. Lane. Aug. 1946. Prune juice experiments. The Fruit Products Journal and American Food Manufacturer 25(12):363-367, 377.
- 2. Leonard, Sherman, Bor Shiun Luh and Elly Hinreiner. Dec. 1953. Flavor evaluation of canned cling peaches. Food Technology 7(12):480-485.
- 3. Luh, Bor Shiun, Sherman Leonard and Wesley Dempsey. Feb. 1954. Pectic substances of Pearson and San Marzano tomatoes. Food Research 19(1):146-153.
- 4. Leonard, Sherman, Bor Shiun Luh, Elly Hinreiner and Marion Simone. Oct. 1954. Maturity of Bartlett pears for canning. Food Technology 8(10):478-482.
- 5. Luh, Bor Shiun, W.H. Dempsey and Sherman Leonard. Dec. 1954. Consistency of pastes and puree from Pearson and San Marzano tomatoes. Food Technology 8(12):576-580.
- 6. Luh, B.S., S.J. Leonard, D.S. Patel and L.L. Claypool. Dec. 1955. Volatile reducing substances in canned Bartlett pears. Food Technology 9(12):639-642.
- 7. Dame, Charles, Jr., S.J. Leonard, B.S. Luh and G.L. Marsh. Jan. 1956. The influence of ripeness on the organic acids, sugars, and pectin of canned Bartlett pears. Food Technology 10(1):28-33.
- 8. Simone, Marion, Sherman Leonard, Elly Hinreiner and Rose Marie Valdes. June 1956. Consumer studies on sweetness of canned cling peaches. Food Technology 10(6):279-282.
- 9. Luh, B.S., S.J. Leonard and H.J. Phaff. July 1956. Hydrolysis of pectic materials and oligouronides by tomato polygalacturonase. Food Research 21(4):448-455.
- 10. Hoos, J.W., S.J. Leonard and B.S. Luh. Oct. 1956. Effect of 2,4,5-trichlorophenoxyacetate acid spray on organic acids, pectin, and quality of canned apricots. Food Research 21(5):571-582.
- 11. Postlmayr, H.L., B.S. Luh and S.J. Leonard. Dec. 1956. Characterization of pectin changes in freestone and clingstone peaches during ripening and processing. Food Technology 10(12):618-625.
- 12. Onaga, D.M., B.S. Luh and S.J. Leonard. Feb. 1957. Quality evaluation and chemical composition of soy sauce. Food Research 22(1):83-88.
- 13. Joslyn, M.A., Sherman Leonard, Elly Hinreiner and Bruno Filice. March 1957. Effect of sirup composition on flavor and texture of canned clingstone peaches. Food Technology 11(3):170-176.

- 14. Leonard, Sherman, B.S. Luh and E.M. Mrak. Feb. 1958. Factors influencing drained weight of canned clingstone peaches. Food Technology 12(2):80-85.
- 15. Pangborn, Rose Marie, and Sherman J. Leonard. June 1958. Factors influencing consumer opinion of canned Bartlett pears. Food Technology 12(6):284-290.
- 16. Luh, B.S., S.J. Leonard and G.L. Marsh. July 1958. Storage changes in tomato juice. Food Technology 12(7):380-384.
- 17. Claypool, L.L., Sherman Leonard, B.S. Luh and Marion Simone. July 1958. Influence of ripening temperature, ripeness level, and growing area on quality of canned Bartlett pears. Food Technology 12(7):375-380.
- 18. Luh, B.S., Sherman Leonard and G.L. Marsh. July 1958. Objective criteria for storage changes in tomato paste. Food Technology 12(7):347-351.
- 19. Saravacos, George, B.S. Luh and Sherman J. Leonard. Aug. 1958. Ion-exchange chromatography of amino acids in tomato juice. Food Research 23(4):329-337.
- 20. Pangborn, Rose Marie, Marion J. Simone, Sherman J. Leonard and George Garnatz. Dec. 1958. Comparison of mass panel and household consumer responses to canned cling peaches. Food Technology 12(12):693-698.
- 21. Saravacos, G., B.S. Luh and S.J. Leonard. Dec. 1958. Effect of fertilizers on quality and composition of tomato juice. Food Research 23(6):648-655.
- 22. Luh, B.S., S.J. Leonard and E.M. Mrak. May 1959. Drained weight of canned apricots. Food Technology 13(5):253-257.
- 23. Luh, B.S., S.J. Leonard and G. Niketic. June 1959. Aseptisches eindosen von pfirsich- und aprikosennektar. Fruchtsaft-Industrie 4(3):103-109.
- 24. Leonard, Sherman, Rose Marie Pangborn and B. S. Luh. July 1959. The pH problem in canned tomatoes. Food Technology 13(7):418-419.
- 25. Pangborn, Rose Marie, Sherman Leonard, Marion Simone and B. S. Luh. Aug. 1959. Freestone peaches. I. Effect of sucrose, citric acid, and corn syrup on consumer acceptance. Food Technology 13(8):444-447.
- 26. Simone, Marion, L.L. Claypool, S.J. Leonard and B.S. Luh. Dec. 1959. Sweetness and acidity adjustment in canned Bartlett pears. Food Technology 13(12):727-729.
- 27. Luh, B.S., S.J. Leonard and D.S. Patel. Jan. 1960. Pink discoloration in canned Bartlett pears. Food Technology 14(1):53-56.
- 28. Villarreal, Fidel, B.S. Luh and S.J. Leonard. March 1960. Influence of ripeness level on organic acids in canned tomato juice. Food Technology 14(3):176-179.
- 29. Leonard, Sherman, B.S. Luh and Rose Marie Pangborn. Sept. 1960. Effect of sodium chloride, citric acid and sucrose on pH and palatability of canned tomatoes. Food Technology 14(9):433-436.

- 30. Jennings, W.G., S. Leonard and R.M. Pangborn. Nov. 1960. Volatiles contributing to the flavor of Bartlett pears. Food Technology 14(11):587-590.
- 31. Yamaguchi, M., F.D. Howard, B.S. Luh and S.J. Leonard. Dec. 1960. Effect of ripeness and harvest dates on the quality and composition of fresh canning tomatoes. Proceedings, American Society for Horticultural Science 76:560-567.
- 32. Luh, B.S., Fidel Villarreal, S.J. Leonard and M. Yamaguchi. Dec. 1960. Effect of ripeness level on consistency of canned tomato juice. Food Technology 14(12):635-639.
- 33. 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.
- 34. Wright, J.R., J.C. Lingle, W.J. Flocker and S.J. Leonard. Dec. 1962. The effects of irrigation and nitrogen fertilization treatments on the yield, maturation, and quality of canning tomatoes. Proceedings, American Society for Horticultural Science 81:451-457.
- 35. O'Brien, Michael, George K. York, John H. MacGillivray and Sherman J. Leonard. Aug. 1963. Bulk handling of canning tomatoes. Food Technology 17(8):1050-1055. (copy in binder is: July 1963, Food Technology 17(7):96-101)
- O'Brien, Michael, L.L. Claypool, S.J. Leonard, G.K. York and J.H. MacGillivray. Nov. 1963. Causes of fruit bruising on transport trucks. Hilgardia 35(6):113-124.
- O'Brien, Michael, L.L. Claypool and Sherman J. Leonard. Dec. 1963. Effect of mechanical vibrations on fruit damage during transportation with special reference to cling peaches. Food Technology 17(12):106-109.
- 38. Everson, Gladys J., Joanne Chang, Sherman Leonard, B.S. Luh and Marion Simone. Jan. 1964. Aseptic canning of foods. II. Thiamine retention as influenced by processing method, storage time and temperature, and type of container. Food Technology 18(1):84-86.
- 39. Leonard, Sherman, B.S. Luh, Marion Simone and Gladys Everson. Jan. 1964. Aseptic canning of foods. I. Preparation and processing procedures. Food Technology 18(1):81-84.
- 40. Everson, Gladys J., Joanne Chang, Sherman Leonard, B.S. Luh and Marion Simone. Jan. 1964. Aseptic canning of foods. III. Pyridoxine retention as influenced by processing method, storage time and temperature, and type of container. Food Technology 18(1):87-88.
- 41. York, G.K., M. O'Brien, F.H. Winter, Dagmar Tombropoulos and S.J. Leonard. Jan. 1964. Sanitation in mechanical harvesting and bulk handling of canning tomatoes. Food Technology 18(1):97-100.
- 42. Luh, B.S., C.G. Gonzalez-Acuna, S. Leonard, M. Simone and G.J. Everson. Feb. 1964. Aseptic canning of foods. V. Chemical and flavor changes in strained beef. Food Technology 18(2):90-93.

- 43. Luh, B.S., C.G. Gonzalez-Acuna, S. Leonard and M. Simone. Feb. 1964. Aseptic canning of foods. VI. Hematin and volatile sulfur compounds in strained beef. Food Technology 18(2):94-96.
- 44. Luh, B.S., S. Leonard, M. Simone and Fidel Villarreal. March 1964. Aseptic canning of foods. VII. Strained lima beans. Food Technology 18(3):105-108.
- 45. 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.
- 46. Leonard, Sherman. April 1964. Brief review of the problems in developing boysenberry products. Food Technology 18(4):114-117, 119.
- 47. Sgarbieri, Valdemiro Carlos, Miroslawa Hec and Sherman J. Leonard. 1966. Estudo bioquimico de algumas variedades de banana cultivadas no Brasil. Coletanea do Instituto de Tecnologia de Alimentos 1:527-558.
- 48. York, G.K., M. O'Brien, Dagmar Tombropoulos, F.H. Winter and S.J. Leonard. Jan. 1967. Relation of fruit damage to quality and consistency of tomato concentrates. Food Technology 21(1):69-71.
- 49. 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.), <u>Proceedings of the First International Congress of Food Science and Technology, Volume 1</u>, Gordon and Breach Science Publishers, New York.
- 50. Chen, Pictiau, Michael O'Brien, Frank Winter and S.J. Leonard. Dec. 1970.

 Mechanical means of harvesting berries. Transactions of the ASAE (American Scoety of Agricultural Engineeers) 13(6):795-798.
- 51. Leonard, Sherman. 1971. Tomato juice and tomato juice blends. p.438-460, IN: Donald K. Tressler and Maynard A. Joslyn (eds.), <u>Fruit and Vegetable Juice Processing Technology</u>, 2nd ed., Avi Publishing Co., Westport, Connecticut.
- 52. Ogawa, J.M., Sherman Leonard, B.T. Manji, Elaine Bose and Cecilia J. Moore. April 1971. *Monilinia* and *Rhizopus* decay control during controlled ripening of freestone peaches for canning. Journal of Food Science 36(2):331-334.
- 53. Fridley, R.B., P.A. Adrian, L.L. Claypool, A.D. Rizzi and S.J. Leonard. June 1971. Mechanical harvesting of cling peaches. California Agricultural Experiment Station Bulletin No. 851, 29 pp.
- 54. Chen, Pictiau, James J. Mehlschau, Frank Winter and Sherman J. Leonard. Dec. 1971. Experimental harvesting and in-field freezing of boysenberries. Transactions of the ASAE (American Society of Agricultural Engineers) 14(6):1011-1014.
- O'Brien, Michael, Sherman J. Leonard, George Marsh and Norman A. Olson. June 1972. Processing losses of tomatoes as affected by harvesting and handling procedures. Transactions of the ASAE (American Society of Agricultural Engineers) 15(3):563-565, 568.

- 56. Leonard, Sherman. 1974. Apricots and apricot processing. pp. 60-67, IN: A. H. Johnson and M. S. Petterson (eds.), <u>Encyclopedia of Food Technology</u>, Avi Publishing Company, Westport, Connecticut.
- 57. Leonard, Sherman, and Frank Winter. Feb. 1974. Pilot application of freezeheat peeling of tomatoes. Journal of Food Science 39(1):162-165.
- 58. Leonard, S.J., R.L. Merson, G.L. Marsh, G.K. York, J.R. Heil and T. Wolcott. April 1975. Flame sterilization of canned foods: An overview. Journal of Food Science 40(2):246-249.
- 59. Leonard, S.J., G. Marsh, R.L. Merson, G. York, J.E. Buhlert, J.R. Heil and T. Wolcott. April 1975. Quality evaluation of canned fruit cocktail experimentally processed by Steriflamme. Journal of Food Science 40(2):257-258.
- 60. Leonard, S.J., G.L. Marsh, R.L. Merson, G.K. York, J.R. Heil, S. Freyer, T. Wolcott and Ali Ansar. April 1975. Comparative procedures for calculating Steriflamme thermal processes. Journal of Food Science 40(2):250-253.
- 61. Leonard, Sherman, George L. Marsh, R.L. Merson, George K. York, J.E. Buhlert, J.R. Heil and T. Wolcott. April 1975. Chemical, physical, and biological aspects of canned whole peeled tomatoes when thermally processed by steriflamme. Journal of Food Science 40(2):254-256.
- 62. Leonard, S.J. June 1975. Steriflamme: visao geral. Boletim do Instituto de Technologia de Alimentos 42:1-13.
- 63. York, George K., J.R. Heil, George L. Marsh, Ali Ansar, R.L. Merson, T. Wolcott and Sherman Leonard. July 1975. Thermobacteriology of canned whole peeled tomatoes. Journal of Food Science 40(4):764-769.
- 64. O'Brien, Michael, Sherman J. Leonard and George L. Marsh. Aug. 1975. Color determination for loads of processing tomatoes. Transactions of the American Society of Agricultural Engineers 18(4):745-747.
- 65. Leonard, Sherman, Frank Winter, J.R. Heil, P. Chen and J.J. Mehlschau. Nov 1975. Freezing of mechanically harvested boysenberries. Journal of Food Science 40(6):1280-1282.
- 66. Leonard, Sherman, G.L. Marsh, G.K. York, R.L. Merson, J.R. Heil, T. Wolcott and A. Ansar. July 1976. Flame sterilization of some tomato products and fruits in 603 x 700 cans. Journal of Food Science 41(4):828-832.
- 67. Leonard, Sherman, Rose Marie Pangborn and Dagmar Tombropoulos. July 1976. Influence of processing variables on flavor stability of pear puree. Journal of Food Science 41(4):840-844.
- 68. Leonard, Sherman, G.L. Marsh, G.K. York, J.R. Heil, T. Wolcott and S. Coggins. Sept. 1976. Determination of a flame sterilization process for apricot halves in 303 x 406 cans. Journal of Food Science 41(5):1222-1224.
- 69. Leonard, Sherman J., G.L. Marsh, J.E. Buhlert, D. Tombropoulos and J.R. Heil. Jan. 1977. Consequences of damage on the utilization characteristics, yield and

- quality of processed tomatoes. Journal of Food Processing and Preservation 1(1):79-90.
- 70. Leonard, Sherman J., G.L. Marsh, D. Tombropoulos, J.E. Buhlert and J.R. Heil. Jan. 1977. Evaluation of tomato condition in bin loads of processing tomatoes harvested at different levels of ripeness. Journal of Food Processing and Preservation 1(1):55-68.
- 71. Birnbaum, D.G., Sherman Leonard, J.R. Heil, J.E. Buhlert, T.K. Wolcott and A. Ansar. April 1977. Microbial activity in heated and unheated tomato serum concentrates. Journal of Food Processing and Preservation 1(2):103-118.
- 72. Leonard, Sherman, G.L. Marsh, J.E. Buhlert, J.R. Heil, T.K. Wolcott and D.G. Birnbaum. July 1977. Microbial stability and remanufacturing characteristics of high solids tomato concentrates. Journal of Food Processing and Preservation 1(3):191-206.
- Marsh, George L., James Buhlert and Sherman Leonard. Oct. 1977. Effect of degree of concentration and of heat treatment on consistency of tomato pastes after dilution. Journal of Food Processing and Preservation 1(4):340-346.
- 74. Leonard, Sherman, George L. Marsh, George K. York, J.R. Heil and T. Wolcott. Oct. 1977. Evaluation of tomato canning practices using flame sterilization. Journal of Food Processing and Preservation 1(4):313-323.
- 75. Marsh, G.L., S.J. Leonard, J.E. Buhlert and M.R. Vilas. July 1979. Yield and quality of catsup produced to a standard solids and consistency level. I. Method of determining the amount of tomato solids required. Journal of Food Processing and Preservation 3(3):189-193.
- Marsh, G.L., S.J. Leonard and J.E. Buhlert. July 1979. Yield and quality of catsup produced to a standard solids and consistency level. II. Influence of handling practices, break temperature and cultivar. Journal of Food Processing and Preservation 3(3):195-212.
- 77. Leonard, Sherman. 1980. Tomato juice and tomato juice blends. p.548-572, IN: P.E. Nelson and D.K. Tressler (eds.), Fruit and Vegetable Juice Processing, 3rd ed., Avi Publishing Co., Westport, Connecticut.
- 78. Cameron, Mark S., Sherman J. Leonard and Ericka L. Barrett. May 1980. Effect of moderately acidic pH on heat resistance of *Clostridium sporogenes* spores in phosphate buffer and in buffered pea puree. Applied and Environmental Microbiology 39(5):943-949.
- 79. Marsh, George L., James E. Buhlert and Sherman J. Leonard. June 1980. Effect of composition upon Bostwick consistency of tomato concentrate. Journal of Food Science 45(3):703-706, 710.
- 80. Goldoni, Jose Santo, Saburo Kojima, Sherman Leonard and J.R. Heil. June 1980. Growing spores of P.A. 3679 in formulations of beef heart infusion both. Journal of Food Science 45(3):467-470, 475.

- 81. Carroad, Paul A., Sherman J. Leonard, Juliana R. Heil, Teresa K. Wolcott and R. Larry Merson. June 1980. High vacuum flame sterilization: Process concept and energy use analysis. Journal of Food Science 45(3):696-699.
- 82. Merson, R.L., S.J. Leonard, Ernesto Mejia and J. Heil. Dec. 1980. Temperature distributions and liquid-side heat transfer coefficients in model liquid foods in cans undergoing flame sterilization heating. Journal of Food Process Engineering 4(2):85-98.
- 83. Leonard, S.J., and B.S. Luh. 1981. Steriflamme heat processing of canned fruits and vegetables. p.260-270, IN: S.M. Chang et al. (eds.), Recent Advances in Food Science and Technology, Volume I, Oils, Fats and Oilseeds, Fruits and Vegetables, Grain Storage and Processing, Hua Shiang Yuan Publishing Co., Taipei, Taiwan.
- 84. Leonard, Sherman. May 1981. Correlacao entre o tamanho do pessego e a qualidade do produto industrializado no municipio de Pelotas, Rio Grande do Sul (Correlation between peach size and the industrilzied product quality in Pelotas, Rio Grande do Sul). Ciencia e Cultura 33(5):690-698.
- 85. Schweingruber, Peter J., Paul A. Carroad, Sherman J. Leonard, Julianna R. Heil, Teresa K. Wolcott, Michael O'Mahony and Alfred Wilson. Sept. 1981. Evaluation of instrumental methods for firmness measurement of fresh and canned clingstone peaches. Journal of Texture Studies 12(3):389-399.
- Seet, S.T., J.R. Heil, S.J. Leonard and W. Duane Brown. April 1983. High vacuum flame sterilization of canned diced tuna: Preliminary process development and quality evaluation. Journal of Food Science 48(2):364-369, 374.
- 87. Heil, J.R., P.A. Carroad, R.L. Merson and Sherman Leonard. Aug. 1983. Development of high vacuum flame processes for sliced peaches and pears. Journal of Food Science 48(4):1106-1112, 1123.
- 88. Leonard, S.J., J.R. Heil, P.A. Carroad, R.L. Merson and T.K. Wolcott. Oct. 1983. High vacuum flame sterilized fruits: Storage study on sliced clingstone peaches, sliced Bartlett pears, and diced fruit. Journal of Food Science 48(5):1484-1491.
- 89. O'Mahony, M., L. Buteau, K. Klapman-Baker, I. Stavros, J. Alvord, S.J. Leonard, J.R. Heil and T.K. Wolcott. Dec. 1983. Sensory evaluation of high vacuum flame sterilized Clingstone peaches, using ranking and signal detection measures with minimal cross-sensory interference. Journal of Food Science 48(6):1626-1631.
- Leonard, Sherman, Katsumichi Osaki and Julianna Heil. Jan. 1984. Monitoring flame sterilization processes. Food Technology 38(1):47-50, 83.
- 91. Leonard, S.J., J.R. Heil, P.A. Carroad, R.L. Merson and T.K. Wolcott. Feb. 1984. High vacuum flame sterilized fruits: Influence of can type on storage stability of vacuum packed peach and pear slices. Journal of Food Science 48(1):263-266.

- 92. Heil, Julianna R., Sherman Leonard and Hugo Patino. April 1984. Microbiological evaluation of commercial fluming of tomatoes. Food Technology 38(4):121-126.
- 93. Leonard, Sherman J., Richard L. Merson, George L. Marsh and Julianna R. Heil. June 1986. Estimating thermal degradation in processing of foods. Journal of Agricultural and Food Chemistry 34(3):392-396.

Reports, Regular Distribution

- 1. Leonard, Sherman, B.S. Luh and Jerry Foytik. Sept. 1955. <u>Cannery Losses for Cling Peaches</u>, 1954 Season. University of California, Berkeley, Agricultural Experiment Station Mimeograph Report No. 180, September 1955, 17 pp.
- 2. Foytik, Jerry, Sherman Leonard and B.S. Luh. Nov. 1955. Cling peach cannery losses. California Agriculture, 9(11):5,16.
- 3. Leonard, Sherman, Bor Shiun Luh, Elly Hinreiner and Marion Simone. Feb. 1957. Bartlett pears for canning. California Agriculture 11(2):10, 15.
- 4. Lamouria, Lloyd H., Richard W. Harris, George H. Abernathy and Sherman J. Leonard. Aug. 1957. Harvester for canning fruit. California Agriculture 11(8):11-12, 14.
- 5. O'Brien, Michael, L.L. Claypool and Sherman Leonard. June 1960. Effect of mechanical vibrations on fruit damage during transportation. American Society of Agricultural Engineers No. 60-311, 9 pp.
- 6. Yamaguchi, M., B.S. Luh, S. Leonard and M. Simone. Nov. 1961. New tomato juice cocktail. California Agriculture 15(11):11.
- 7. Norton, R.A., L.L. Claypool, S.J. Leonard, P.A. Adrian, R.B. Fridley and F.M. Charles. May 1962. Mechanical harvesting of sweet cherries. California Agriculture 16(5):8-10.
- 8. Leonard, Sherman. 1964. Aspectos de pesquisa e tecnologia de alimentos no Brasil e o problema da alimentacao do homem Brasileiro (Food technology aspects of the Brasilian man and his food problem). Arquivos Brasileiros de Nutricao 1964:71-79.
- 9. Leonard, Sherman. Nov. 1964. Industrialização do tomate (Industrialization of tomatoes). Boletim do Campo 183:86-88.
- 10. Leonard, Sherman, and F.H. Winter. April 1971. Fruit freezing Dip process for IQF fruit eliminates syrup but retains flavor, color of fresh. Quick Frozen Foods 33(9):109-110.
- Sgarbieri, V.C., M. Hec, R. Moreira, S. Leonard and C.O. Chichester. July 1971. Factors in the processing of bananas. United Nations Industrial Development Organization monograph.

Reports, Limited Distribution

- 1. Leonard, Sherman. Dec. 1951. Correlation of Size of Cling Peaches to Quality in Finished Product. Progress Report to the Cling Peach Advisory Board, Division of Food Technology, University of California, Davis, 19 pp.
- 2. Leonard, Sherman, and B.S. Luh. Dec. 1953. Relationship of Raw Materials Selection and Handling to Quality of Processed Fruits. Progress Report, Dept. of Food Technology, University of California, Davis, 17 pp.
- 3. Leonard, Sherman, B.S. Luh and Jerry Foytik. Jan. 1955. Some Information Bearing on Diversion Credits for California Cling Peaches--A Preliminary Report. Results of a Pilot Plant Test conducted by the Food Technology Department at request of the Cling Peach Advisory Board, January 1955, 13 pp.
- 4. Leonard, Sherman, B.S. Luh, L.L. Claypool and Marion Simone. Dec. 1957. Canned Freestone Peaches 1956-1957. Progress Report, Departments of Food Technology and Pomology, University of California, Davis, 15 pp.
- Leonard, Sherman, B.S. Luh, Marion Simone and L.L. Claypool. 1959. The Influence of Harvest Maturity and Ripening Procedure on the Quality of Canned Freestone Peaches. Research Progress Report, Departments of Food Science and Technology and Pomology, University of California, Davis, 3 pp.
- 6. Leonard, Sherman. 1959. Relationship of pear handling to processing pears. p.13-16, IN: Summary, April 1959 Meeting, Pear Harvesting, Handling, Processing, University of California, Davis.
- 7. O'Brien, Michael, Sherman Leonard, L.L. Claypool, Gordon Rowe and James A Rock. Jan. 1959. Research in Bulk Handling of Cling Peaches During 1958. Progress Report to the Cling Peach Advisory Board, Departments of Agricultural Engineering, Food Technology and Pomology, University of California, Davis, 12 pp.
- 8. O'Brien, Michael, L.L. Claypool and Sherman Leonard. 1960. Bulk Handling of Cling Peaches--1959. Bins, Mechanical Sampler, Transportation. Research Progress Report, Departments of Agricultural Engineering, Pomology, and Food Science and Technology, University of California, Davis, 32 pp.
- 9. Leonard, S.J., and B.S. Luh. Feb. 1960. Factors Influencing pH, Solids and Drained Weight of Canned Whole Tomatoes, Project No. 69-10 and 69-18. Report to the National Canners Association, 16 pp.
- 10. Fridley, R.B., P.A. Adrian, L.L. Calypool, S.J. Leonard and M. O'Brien. 1961. Mechanical Harvesting of Cling Peaches--1960. Research Progress Report, Departments of Agricultural Engineering, Pomology and Food Science and Technology, University of California, Davis, 39 pp.

- 11. Norton, R.A., L.L. Claypool, R.B. Fridley, P.A. Adrian, S.J. Leonard and F.M. Charles. 1961. Mechanical Harvesting of Sweet Cherries. Research Progress Report, Departments of Pomology, Agricultural Engineering, and Food Science and Technology, University of California, Davis, 21 pp.
- 12. Flocker, W.J., J.C. Lingle, J.H. MacGillivray and S. Leonard. Jan. 1961. Effect of irrigation and nitrogen applications on some quality factors of canning tomatoes. Vegetable Crops Series 111:1-10.
- 13. O'Brien, M., G.K. York, J.H. MacGillivray and S.J. Leonard. July 1961. Bulk Handling of Canning Tomatoes. Research Progress Report, Departments of Agricultural Engineering, Food Science and Technology and Vegetable Crops, University of California, Davis, 24 pp.
- 14. York, George K., Sherman J. Leonard, John H. MacGillivray, Michael O'Brien, Dagmar Tombropoulos and Gordon Rowe. 1962. Report of 1961 Research on the Effect of Mechanical Harvesting and Bulk Handling on the Quality of Processing Tomatoes. Progress Report, Departments of Food Science and Technology, Vegetable Crops and Agricultural Engineering, University of California, Davis, 20 pp.
- 15. Luh, B.S., C.O. Chichester and Sherman J. Leonard. March 1962. Anthocyanin as related to discoloration in canned freestone peaches. p.8-30, IN: Research on Discoloration of Canned Freestone Peaches During 1960 and 1961, Progress Report, University of California, Davis.
- York, George K., Sherman J. Leonard, Michael O'Brien and Frank H. Winter. Feb. 1963. Report of 1962 Research on Mechanical Harvesting and Bulk Handling as Affected by Depth of Bin. Progress Report, Departments of Food Science and Technology and Agricultural Engineering, University of California, Davis, 11 pp.
- 17. Leonard, Sherman. 1964. Enlatamento asseptico de alimentos (Aseptic processing of foods). Centro Tropical de Pesquisas e Technologia de Alimentos, Volume 1.
- 18. Leonard, Sherman John. 1964. A alimentacao nas forcas armadas (Feeding the armed forces). I Congresso de Problemas de Alimentacao da Academia Brasileira de Medicina Militar, 4 pp.
- 19. Leonard, Sherman. 1965. (Recent developments in the processing of) Fruits and vegetables. p.80-83, IN: Proceedings of the Western Hemisphere Nutrition Congress, American Medical Association.
- 20. Leonard, S.J. May 1965. A situacao do problem da industrializacao de frutas, legumes e outros products de oigem vegetal; Situacao da maguinaria para a industria de alimentos. p.346-371, IN: A Industrializacao dos Alimentos no Brasil, Colaboracao do Centro Tropical de Pesquisas e Tecnologia de Alimentos a Fundacao Getulio Vargas, Campinas, Brazil.
- 21. Fridley, R.B., P.A. Adrian, L.L. Claypool, A.D. Rizzi, and Sherman Leonard. 1966. Mechanization of Cling Peach Harvesting. Research Progress Report, Departments of Agricultural Engineering, Pomology and Food Science and Technology, University of California, Davis, 33 pp.

- 22. Claypool, L.L., and S. Leonard. 1966. A Study of the Appropriateness of the Color Discs as a Measure of Grade Quality of Canned Cling Peaches. Report to the Cling Peach Advisory Board, 12 pp.
- Ogawa, Joseph, Sherman Leonard and Frank Winter. 1966. Controlled Ripening of Freestone Peaches. Research Progress Report, Departments of Pomology and Food Science and Technology, University of California, Davis, 10 pp.
- 24. Claypool, L.L., A.A. Hewitt, K. Uriu, F. Byrd and S.J. Leonard. 1967. The Influence of Cultural Factors on the Quality of Cling Peaches. Preliminary Report to the Cling Peach Advisory Board, 19 pp.
- 25. Leonard, Sherman, Ned Vilas and George Marsh. 1967. Consequence of Damage to and Storage of Tomatoes. Research Progress Report to the Canners League of California, 51 pp.
- 26. Leonard, Sherman, and Joseph Ogawa. 1967. Controlled Handling of Freestone Peaches. Progress Report to the Cling Peach Advisory Board, 6 pp.
- 27. Leonard, Sherman, George K. York, Coby Lorenzen and Hans P. Riemann. 1967. Preprocessing Clingstone Peaches. Progress Report, Departments of Food Science and Technology, Agricultural Engineering, and Epidemiology and Preventive Medicine, University of California, Davis, 4 pp.
- 28. Leonard, Sherman, and C.O. Chichester. 1968. Cling Peaches, Color Changes During Processing. Progress Report to the Cling Peach Advisory Board, 9 pp.
- 29. Leonard, Sherman, George K. York, Coby Lorenzen and Hans P. Riemann. 1968. Preprocessing Pear Concentrate. Progress Report, Departments of Food Science and Technology, Agricultural Engineering and Epidemiology and Preventive Medicine, University of California, Davis, 25 pp.
- 30. Leonard, Sherman. 1968. The Concept of Biologically Stable Bulk Stored Foods. Research Progress Report, Department of Food Science and Technology, University of California, Davis, 3 pp.
- 31. Leonard, Sherman, and George L. Marsh. 1968. Consequence of Damage to and Storage of Tomatoes. Research Progress Report, Department of Food Science and Technology, University of California, Davis.
- 32. Leonard, Sherman, Joseph Ogawa and Morris Woskow. Nov. 1968. Controlled Handling of Freestone Peaches. Research Progress Report, Departments of Food Science and Technology and Pomology, University of California, Davis, 8 pp.
- 33. Winter, Frank, and Sherman Leonard. 1969. Infield Freezing of Mechanically Harvested Boysenberries. Progress Report, Department of Food Science and Technology, University of California, Davis, 8 pp.
- 34. Claypool, L.L., K. Uriu, Paul Lasker and S.J. Leonard. 1969. The Influence of Cultural Factors on the Quality of Cling Peaches. Preliminary Report to the Cling Peach Advisory Board, 1 p.

- 35. Leonard, Sherman. Jan. 1969. A New Look at Raw Product Handling and Losses from Damage and Storage with Mechanical Harvesting. National Canners Association News, National Canners Association, Washington, D.C.
- 36. Leonard, Sherman, and George L. Marsh. Dec. 1969. The Consequence of Damage to and the Storage of Tomatoes. Research Progress Report, Department of Food Science and Technology, University of California, Davis, 13 pp.
- 37. Marsh, George, and Sherman Leonard. Jan. 1970. Effect of Damage and Storage on Quality and Yield of Tomato Catsup. Progress Report to the Canners League of California, 2 pp.
- 38. Leonard, Sherman, and George L. Marsh. Feb. 1971. Tomato Color Related to Harvest Practices and Inspection Procedures. Report to the Canners League of California, 25 pp.
- 39. Leonard, Sherman, and George L. Marsh. Feb. 1971. The Influence of Green and Yellow Shoulders and Internal Discoloration on Color of Tomato Concentrate. Report to the State of California, Canning Tomato Advisory Committee, 6 pp.
- 40. Claypool, L.L., K. Uriu, S. Leonard and P.F. Lasker. April 1971. The Influence of Cultural Practices on the Quality of Dixon Cling Peaches. Research Progress Report, Departments of Pomology and Food Science and Technology, University of California, Davis, 42 pp.
- 41. Leonard, Sherman, George Marsh, Jim Buhlert and Julie Heil. Jan. 1972. Determination of the Weight of Sample Required to Accurately Reflect the Color of Tomatoes in a Commercial Delivery. Progress Report to the State of California, Canning Tomato Advisory Committee, 14 pp.
- 42. Leonard, Sherman, George L. Marsh, Jim Buhlert and Julie Heil. Jan. 1972. Influence of Green and Yellow Shoulders and/or Internal Discoloration on Tomato Color. Progress Report to the State of California, Canning Tomato Advisory Committee, 18 pp.
- 43. Leonard, Sherman. Feb. 1972. Yellow Clingstone Peaches. Brazil 1971 Report. Report on Evaluation of the Brazilian Peach Industry, Department of Food Science and Technology, University of California, Davis, ll pp.
- 44. Leonard, Sherman, and George Marsh. April 1972. Summary Report: Tomato Damage. Report to the Canners League of California, 8 pp.
- 45. O'Brien, Michael, S.J. Leonard, J. Buhlert, J. Heil and E. Issacs. Nov. 1972. Development of Subsampling Device in Collaboration with Agricultural Engineering Project. Report to the State of California, Canning Tomato Advisory Committee.
- 46. Leonard, S.J., G.L. Marsh, J. Buhlert, J. Heil and E. Issacs. Nov. 1972. Computerized Study of the Inspection Certificates which Include the Agtron E-5M Color Reading for the Purpose of Relating the State Grade Defects to the Mean Color Value. Report to the State of California, Canning Tomato Advisory Committee.

- 47. Leonard, S.J., G.L. Marsh, J. Buhlert, J. Heil and E. Issacs. Nov. 1972.
 Relationship of Agtron E-5M Reading on Commercial Deliveries to the Aqtron E-5M Color Values and USDA Scores of the Concentrate Produced under Commercial Conditions. Report to the State of California, Canning Tomato Advisory Committee.
- 48. Leonard, Sherman, George Marsh, Jim Buhlert, Julie Heil and Teri Wolcott. Jan. 1974. Influence of Changes in State Inspection Methodology on Harvest Practices and Final Products. Report to State of California, Canning Tomato Advisory Committee.
- 49. Marsh, G.L., J.E. Buhlert and S.J. Leonard. Jan. 1975. Tomato Variety Processing Trials. Research Report for the California Canners League.
- 50. Marsh, G.L., J.E. Buhlert and S.J. Leonard. Aug. 1975. Instructions for the collection of samples and recording of data for the 1975 Joint Industry/USDA Tomato Paste Color Measurement Study. Research Report for the California Canners League.
- 51. Chen, P., R.B. Fridley, J.J. Mehlschau, S.J. Leonard and F. Winter. Oct. 1975. Research Report Mechanical Harvesting of Boysenberries 1969-1975. University of California Research Report, 51 pp.
- 52. Leonard, S., G. Marsh, J. Buhlert, J. Heil and T. Wolcott. Nov. 1975. Soluble Solids and Peelability. Research Report for the Tomato Canning Industry.
- 53. Marsh, G.L., J.E. Buhlert and S.J. Leonard. Jan. 1976. Tomato Variety Processing Trials. Research Report for the California Canners League.
- 54. Marsh, G.L., J.E. Buhlert and S.J. Leonard. Jan. 1977. Tomato Variety Processing Trials. Research Report for the California Canners League.
- 55. Marsh, G.L., J.E. Buhlert and S.J. Leonard. Sept. 1977. Tomato Variety Processing Trials (Preliminary Report). Research Report for the California Canners League, 4 pp.
- 56. Marsh, G.L., J.E. Buhlert, S.J. Leonard, T.K. Wolcott and J.R. Heil. Jan. 1978. Tomato Variety Processing Trials. Progress Report for the California Canners League.
- 57. Leonard, Sherman, Paul Carroad, T.K. Wolcott, Ernie Burton, Al Wilson and J.R. Heil. Jan. 1978. Tomato Fluming Study, 1977. Report to Hunt-Wesson Foods.
- 58. Leonard, Sherman, P.A. Carroad, R.L. Merson, J.R. Heil and T.K. Wolcott. Dec. 1978. Steril-Vac Peach Study 1978--Brief Report of Progress. Progress Report to the Cling Peach Advisory Board.
- 59. Leonard, Sherman, Paul Carroad, Don Metzger, Teri Wolcott, Ernie Burton, Al Wilson and J.R. Heil. Dec. 1978. Tomato Fluming Study--Progress Report and Detailed Report. Report to Hunt-Wesson Foods.

- 60. Marsh, G.L., J.E. Buhlert and S.J. Leonard. 1979. Tomato Product Round Robin Color Studies. Research Report, Department of Food Science and Technology, University of California, Davis.
- Marsh, G.L., J.E. Buhlert, S.J. Leonard, T.K. Wolcott and J.R. Heil. Jan. 1979. Tomato Variety Processing Trials. Report for the Canners League of California.
- 62. Leonard, Sherman, Paul Carroad, R.L. Merson, M. O'Mahony, J.R. Heil, T.K. Wolcott, L. Buteau and P. Schweingruber. Jan. 1980. High Vacuum Flame Sterilized Peach Study. Progress Report presented to the Canners League of California, January 10-11, 24 pp.
- 63. Marsh, G.L., S.J. Leonard, T.K. Wolcott, J.R. Heil and J.E. Buhlert. Jan. 1980. Tomato Variety Processing Trials 1979. Report to the Canners League of California, 19 pp.
- 64. Leonard, Sherman, Paul Carroad, R.L. Merson, J.R. Heil and T.K. Wolcott. Jan. 1980. High Vacuum Flame Sterilized Pear Study. 1979 Progress Report presented to the Pacific Pear Association, 18 pp.
- 65. Marsh, George L., James Buhlert, Sherman Leonard, Teri Wolcott and Julie Heil. July 1980. Color Scoring Tomato Products Objectively. Report to the Canners League of California, 63 pp.
- 66. Marsh, G.L., S.J. Leonard, T.K. Wolcott, J.R. Heil and J.E. Buhlert. Jan. 1981. Tomato Variety Processing Trails 1980. Report to the Canners League of California, 18 pp.
- 67. Leonard, Sherman, Paul Carroad, R.L. Merson, J.R. Heil and T.K. Wolcott. April 1981. High Vacuum Flame Sterilized Pear Study. Final Project Report to the Pacific Pear Association, 28 pp.
- 68. Leonard, Sherman, Paul Carroad, R.L. Merson, M. O'Mahony, J.R. Heil and T.K. Wolcott. May 1981. High Vacuum Flame Sterilized Peach Study. Research Report to the Canners League of California/Cling Peach Advisory Board, 38 pp.
- 69. Marsh, G.L., S.J. Leonard, T.K. Wolcott, J.R. Heil and J.E. Buhlert. Jan 1982. 1981 Tomato Variety Processing Trials. Report to the California League of Food Processors, 19 pp.

List of Abstracts

- 1. Leonard, Sherman, V.C. Sgarbieri, Miroslawa Hec and C.O. Chichester. Oct. 1970. Changes in composition of bananas during ripening. IN: Program and Abstracts of Papers, Second Northeast Regional Meeting, Rhode Island Section, American Chemical Society.
- 2. Leonard, Sherman, and Bor S. Luh. Jan. 1980. Steriflamme heat processing of canned fruits and vegetables. p.44-45 IN: International Symposium on Recent Advances in Food Science and Technology Program, Taipei, Republic of China, January 9-11.

Miscellaneous Items

- 1946 Cruess, W.V., S. Leonard, J. Ponting and A. Lane. August. Prune juice experiments. Appeared in Fruit Prod. Jour. and Amer. Food Manufacaturers. (typed version)
- 1953 Leonard, Sherman and B.S. Luh. December. Relationship of raw materials selection and handling to quality of processed fruits. Presented at AAAS Meeting, Boston, December 11, 1953. (typed version)
- 1956 Leonard, Sherman. January. Advantages of an integrated research program.

 Presented at Raw Products Committee Meeting, Atlantic City, January 19, 1956.

 (typed version)
- 1956 Luh, B.S., S. Leonard and L.L. Claypool. December. Volatile reducing substances in canned freestone peaches. Presented at NCIFT Meeting, December 6, 1956. (typed version)
- 1957 Problem of leaf miner in spinach. Review of discussion, January 3, 1957. (typed version). List of attendees at end of report.
- 1959 Leonard, Sherman. February. Influence of maturity and ripening on quality of freestone peaches and pears. (typed version)
- 1960 New Horizons in Fruit Canning. Brochure.
- 1960 Leonard, Sherman. June. Resultados de um programa semelhante na California. Presented in Campinas, June 18, 1960.
- 1964 Leonard, Sherman. Apricot processing review. (typed version)
- 1979 Marsh, George L., James Buhlert and Sherman Leonard. March. Color scoring tomato products objectively. (typed version)