

FINDING AID: 17-141

RECORD GROUP: RG 17 - Agriculture

SERIES: B-VII - Publications of the Food Research Institute of the Research Branch

BAN Number/BOX: 1996-01237-1 - boxes 1-3

DESCRIPTION: The finding aid is a box list which gives the file number, date, author, title of the article, and journal in which the article appeared.

INSTRUCTIONS: The following information is required to order a box:

RG No.:

BAN No.:

Box No.:

DATE: July 1999

1996-97/238

17-141

1996-01237-1

boxes 1-3

Publications

Finding Aid
17-141

Food Research Institute

Canada Department of Agriculture

see ALSO MANUSCRIPT

CARDS

1959 - 1965 -

1972?

①

PROCESSING SECTION - REPRINTS

- Box 1*
- M. Aref: 1. The effects of various sweetening agents of frozen strawberries for preserve manufacture. Aref, M., A.P. Sidwell, and E.M. Litwiller. Food Tech. 10(7): 293-297. 1956.
- (see Tape)
2. Some effects of sweeteners on frozen fruits used for preserve manufacture. Bockian, A.H. and M. Aref. Food Tech. 12(8): 393-397. 1958.
3. The sun-drying of Egyptian fruits. Aref, M. Alex. Journ. of Agr. Res. 7(1): 89-104. 1959.
4. Possible utilization of fruits' waste material in the United Arab Republic. Aref, M., and Farid Soliman. Alex. Journ. of Agr. Res. 8(1): 173-181. 1960.
5. Informativni bilten. Birz Za Unapredende industrije za Preradu Ribe - Sadar. Aref, M. 3(10): 212-245. 1961.
6. The cold-storage of Egyptian fruits l-limes. Aref, M., M.K. Abo-El-Dahab, and E.M. Ahmed. Alex. Journ. of Agr. Res. 9(1): 105-124. 1961.
7. Preservative effect of different preservatives on orange syrup. El-Tabey Shehata, A.M., M. Aref. Alex. Journ. of Agr. Res. 10(2): 117-125. 1962.
8. Effect of canning operations on vitamin C content of Guava. Barakat, M.R., M. Aref, and M.M. Mansour. Alex. Journ. of Agr. Res. 10(2): 97-105. 1962.
9. The sun-drying of Egyptian fruits 2) mangos (*mangifera indica*). Aref, M. Alex. Journ. of Agr. Res. 10: 85-96. 1962.
10. Fisheries development possibilities in Nyasaland. Aref, M., W. Steen, and G.R. Valran. F.A.O. 1761: 1-47. 1963.
11. Peanut Butter: production and uses in development of new food products. El-Shirbini, A.M.A., M. Aref, A.M. El-Tabey Shehata and M.R. Barakat. Alex. Journ. of Agr. Res. 11(1): 65-76. 1963.
12. Amélioration de l'industrie du traitement du poisson. Aref, M. F.A.O. 1914: 1-51. 1964.
13. Fish and Fish-Processing in the Republic of Mali. 1. The Present Status of the Fisheries. M. Aref and A. Timbely. Alex. Journ. of Agr. Res. 12(1): 17-32. 1964.

(2)

- M.M. Aref: 14. Fish and Fish-Processing in the Republic of Mali. 2. Exploratory Investigations and Trials on Fish-Processing Methods. M. Aref and A. Timbely. Alex. Journ. of Agr. Res. 12(1): 53-69. 1964.
15. Fish and Fish-Processing in the Republic of Mali. 3. On the Destruction of Dried-Fish by the Dermestid Insects. M. Aref, A. Timbely and J. Daget. Alex. Journ. of Agr. Res. 12(2): 95-110. 1964.
16. A simple objective method for the estimation of odors. M. Aref. Alex. Journ. of Agr. Res. 13(1): 209-217. 1965.
17. A new method for processing turkey rolls. Aref, M.M., and N.W. Tape. Can. Food Industries 37(12): 15-18. 1966., Poultry Meat, June 1967, A-19.
18. Protein denaturation in frozen fish. I. Changes in cod muscle in the unfrozen state, with some further observations on the principles underlying the cell fragility method. Love, R.M., M.M. Aref, N.K. Elerian, J.I.M. Ironside, Eleanor K. Mackay and M.S. Varcla. J. Sci. Fd. Agric. 16: 259-266. 1965.
19. Measurement of applied mechanical pressure during processing of turkey rolls. Voisey, P.W., and M.M. Aref. Food Technol. 21: 169-171. 1967.
20. The present status of liquid nitrogen freezing of foods. Aref, M.M. Can. Inst. of Food Technol. J. 1(1): 11-16. 1968.
21. Cryogenic freezing of foods. Aref, M.M. Can. Food Industries 39(2): 20-24. 1968. end N.W. Tape
22. Use of maple syrup for wine and liquor production. Aref, M.M./Can. Food Ind. 39(3): 34-38. 1968.
23. Microwave processing comes of age. Aref, M.M. Can. Food Indust. 39(10): 34-37. 1968.
24. A pilot-plant continuous-process microwave oven. Aref, M.M., E.J. Brach //, and N.W. Tape. Can. Inst. Food Technol. 2: 37-41. 1969.
25. Poultry freezer-burn: a review. Aref, M.M. and F.E. Payne. Can. Food Industries 40(10): 26-27, 35-36. 1969.
26. Method for producing a composite body of poultry meat. Can. Patent. Aref, M.M. and N.W. Tape. Can. Patent No. 864477, issued Feb. 23, 1971.
- ✓ 27. Inactivation of alpha-amylase in wheat flour with microwaves. Aref, M.M. J. Microwave Power 7(3): 215-221, 1972.

PROCESSING SECTION - REPRINTS

E.A.M. Asselbergs

- ✓ 1. The peeling of apples with infra-red radiation. Asselbergs, E.A.M. and W.D. Powrie. Food Technol. 10: 297-298. 1956. (570.11/6-1 - 28.02.38)
2. Effects of sodium sorbate and ascorbic acid on attempted gamma radiation pasteurization of apple juice. Asselbergs, E.A.M., W.E. Ferguson and E.F. MacQueen. Food Technol. 12: 156-158. 1958.
3. Blanching of celery and apples by infra-red shows flavor, texture, appearance gains. Asselbergs, E.A.M., W.P. Mohr, J.G. Kemp and A.R. Yates. Quick Frozen Foods. Feb. 1959. 2/(1) 45.⁺ (570.11/6-1 - 28.02.38)
4. Effect of sodium metabisulphite, antibiotics, and gamma irradiation on the shelf life of prepeeled potatoes at room temperature. Asselbergs, E.A.M., W.E. Ferguson and W.P. Mohr. Applied Microbiol. 8: 311-314. 1960.
5. Studies on the application of infrared in food processing. Asselbergs, E.A.M., W.P. Mohr and J.G. Kemp. Food Technol. 14: 449-453. 1960. (570.11/6-1 - 28.02.38)
6. Size of sample for maturity determination of canning corn. Cannon, H.B., E.A.M. Asselbergs and W.P. Mohr. Food Technol. 14: 619-621. 1960.
7. Studies in the application of infra-red for the production of French fries. Mohr, W.P., E.A.M. Asselbergs and W.E. Ferguson. Amer. Potato J. 37: 268-273. 1960. (570.11/6-1 - 28.02.38)
8. Studies on tomato paste, pulp and puree. Asselbergs, E.A.M., L.H. Lyall and W.P. Mohr. Can. Food Industr. November: 43-45. 1960.
9. Studies on processed potato products. Asselbergs, E.A.M., P. Saidak and H. Hamilton. Can. Food Industr. April 1961. (570.11/6-1 - 28.02.38)
10. The color of raw tomato juice. Asselbergs, E.A.M., G.W. Wyszecki, and W.P. Mohr. Food Technol. 15: 156-159. 1961.
11. Determination of water-holding capacity of ground cooked lean meat. Asselbergs, E.A.M. and J.R. Whitaker. Food Technol. 15: 392-394. 1961.
12. New developments in infra-red radiation. Asselbergs, E.A.M. Food in Canada 21(10): 36-38. 1961. (570.11/6-1 - 28.02.38)

(4)

PROCESSING SECTION - REPRINTS

E.A.M. Asselbergs (cont)

13. Infrared radiation meter. Kemp, J.G., R. Bedford and
E.A.M. Asselbergs. Agric. Engineering 42(1): 30. 1961
(570.11/6-1 28.02.38)

14. Cooked on delivery. Asselbergs, E.A.M. and M.S. Chan.
Food in Canada. Feb. 21-22. 1962.

(570.11/6-2 - 28.03.04)

(5)

DAIRY SECTION - REPRINTS

D.C. Beckett 1. Determination of bulk density, particle density and particle
see Elliott,
Libson, Emmons,
Riel) size distribution in skimmilk powder. Beckett, D.C.,
 D.B. Emmons and J.A. Elliott. XVI Intern. Dairy Congr.
 Vol. C: 913-922. 1962.

(6)

STORAGE SECTION - REPRINTS

A.B. Durkee

(see P.A. Poapst)

1. Possible presence of indolyl-3-acetic acid in malus. Durkee, A.B. and P.A. Poapst. Nature 193(4812): 273-274. 1962.
(570.11/8-3 - 28.02.37)
2. The detection of some indoles and related compounds on paper chromatograms. Durkee, A.B. and J.C. Sirois. J. Chromatog. 13: 173-180. 1964.
(570.11/8-3 - 28.02.37)
3. Acidic indoles in cold-stored McIntosh apples. Durkee, A.B. and P.A. Poapst. Agric. and Food Chem. 13: 135. 1965.
(570.11/8-3 - 28.02.37)
4. Phenolic constituents in core tissues and ripe seed of McIntosh apples. Durkee, A.B. and P.A. Poapst. Agric. and Food Chem. 13: 137-139. 1965.
(570.11/8-3 - 28.02.37)
5. Arbutin and a related glucoside in immature pear fruit. Durkee, A.B., F.S. Johnston, P.A. Thivierge and P.A. Poapst. J. Pi. Sci. 33(5): 461-463. 1968.
6. A mild procedure for the extraction and fractionation of anthocyanin, proanthocyanin and other polyphenols of apple peel. Durkee, A.B. and J.D. Jones. Phytochemistry 8:903-911. 1969.
- No. 149 7. The nature of tannin in rapeseed (*Brassica campestris*). Durkee, A.B. Phytochemistry 10: 1583-1585. 1971.

(7)

K.E. Eapen

1. New process for the production of better-quality rapeseed oil and meal. Effect of heat treatments on enzyme destruction and color of rapeseed oil. Eapen, K.E., N.W. Tape, and R.P.A. Sims. J. of Amer. Oil Chem. Soc. 45: 194-196. 1968.
2. New Process for the Production of Better Quality Rapeseed Oil and Meal. II. Detoxification and dehulling of rapeseeds - feasibility study. Eapen, K.E., N.W. Tape and R.P.A. Sims. J. Amer. Oil Chem. Soc. 46: 52-55. 1969.

(8)

MICROBIOLOGY SECTION - REPRINTS

J.A. Elliott

1. An appraisal of abbreviated methods of determining the total solids content of milk. Elliott, J.A., C.G. Hickman and A. Langlois. Can. J. Animal Sci. 39: 209-216. 1959.
2. The application of incomplete block rank analysis to the taste panel evaluation of experimental cheese. Elliott, J.A. and D.C. Beckett. XV Intern. Dairy Congr. 3: 1935-1941. 1959.
(570.11/3-2 - 55.21.01)

- see D.C. Beckett
C.A. Gibson
D.B. Emmons
T. Nakae
E.W. Seitz
3. Soin des machines à traire et des caoutchoucs. Elliott, J.A. and C.K. Johns. Quebec Laitier 9: 30, 47. 1960.

4. Pediococci in Canadian Cheddar cheese. Elliott, J.A. and H.T. Milligan. Can. Inst. of Food Technol. 1: 61-63. 1968.

5. Mastitis. Elliott, J. C.D.L. Ph.D. Thesis. 1982 revised 1983.

#157

6. Rennin detection in cheese with the passive indirect hemagglutination test. Can. Inst. Food Technol. J. 4: 16-18, 1971

#185

7. Sediment in milk pouches - A milk market defect. J.A. Elliott & D.B. Emmons. Modern Dairy.

(9)

DAIRY SECTION - REPRINTS

- D.B. Emmons 1. Phage and Cheddar cheesemaking. Emmons, D.B. Can. Dairy and Ice Cream J. 38(3). 1959.
- (see Beckett) 2. A Curd firmness test for Cottage cheese. Emmons, D.B., W.V. Price. McGugan J. of Dairy Sci. 42: 553-556. 1959.
3. Factors affecting the pH of Skimmilk coagulation by lactic culture. Emmons, D.B., W.V. Price, and A.M. Swanson. J. of Dairy Sci. 42: 589-597. 1959.
4. Tests to measure syneresis and firmness of Cottage cheese coagulum, and their application in the Curd-making process. Emmons, D.B., W.V. Price, and A.M. Swanson. J. of Dairy Sci. 42: 866-869. 1959.
5. Effects of skimmilk heat treatments on Cottage cheese manufacture. Emmons, D.B., A.M. Swanson, and W.V. Price. J. of Dairy Sci. 42: 1020-1031. 1959.
6. Recent developments in Cottage cheese manufacturing procedures. W.V. Price, A.M. Swanson, and D.B. Emmons. J. of Dairy Sci. 42: 2005-2008. 1959.
7. Quality Requirements for Cottage cheese. Emmons, D.B. Can. Dairy and Ice Cream J. Feb. 23, 24, 26, 28. 1960.
8. Pour un fromage Cottage de choix. Emmons, D.B. Le Quebec Laitier. May: 18, 20, 22, 24. 1960.
9. Manufacture of Cottage cheese. Recent developments and important steps that influence the quality of the product. Emmons, D.B. Can. Dairy and Ice Cream. J. 39(7): 21, 22, 24, 25. 1960.
10. Effects of lactic cultures on acidity and firmness of cottage cheese coagulum. Emmons, D.B., and W.V. Price. J. of Dairy Sci. 43: 480-490. 1960.
11. The creaming of Cottage cheese. Emmons, D.B., and W.V. Price. Can. Dairy and Ice Cream. J. 40(7): 23, 24, 25, 60. 1961. Milk Dealer 50: 56, 57, 70, 71, 74. July 1961.
12. Packaging creamed Cottage cheese. Emmons, D.B., and W.V. Price, Can. Dairy and Ice Cream. J. 40(9): 23, 24, 53. 1961. Milk Dealer 50: 34, 35, 54, 56. Sept. 1961.
13. Mechanical creaming of Cottage cheese. Can. Dairy and Ice Cream. J. 40(8): 45, 46, 48, 49. 1961. Emmons, D.B. and W.V. Price. Milk Dealer 50: 34, 35, 66, 70, 71, 74. 1961.

DAIRY SECTION - REPRINTS

- D.B. Emmons 14. Effect of strain of starter culture and of manufacturing procedure on bitterness and protein breakdown in Cheddar cheese.
Contr. No. Emmons, D.B., W.A. McGugan, J.A. Elliott and Pamela M. Morse.
J. Dairy Sci. 45: 332-342. 1962. (570.11/3-2 - 55.21.01)
15. Effect of combining singled-strain cultures as cheese starters on bitterness in Cheddar cheese at six months of age. Emmons, D.B., W.A. McGugan, J.A. Elliott and Pamela M. Morse. J. Dairy Sci. 45: 595-600. 1962. (570.11/3-2 - 55.21.01)
16. Comparison of bitter flavor in cheese with quinine sulfate solutions. Emmons, D.B., W.A. McGugan, J.A. Elliott and Pamela M. Morse. J. Dairy Sci. 45: 798-799. 1962.
- 3 17. Recent research in the manufacture of Cottage cheese. Emmons, D.B. Dairy Sci. Abstr. 25: 129-137, 175-182. 1963. (570.11/3-2 - 55.21.01)
- 28 18. Sensitive test for lactic-streptococcal agglutinins. Emmons, D.B., J.A. Elliott and D.C. Beckett. J. Dairy Sci. 48: 1245-1246. 1965. (570.11/3-5 - 55.21.10)
- 33 19. Modification of the curd firmness test for Cottage cheese. Voisey, P.W. and D.B. Emmons. J. Dairy Sci. 49: 93-96. 1966.
- 40 20. Lactic-Streptococcal Agglutinins in Milk and Blood. Emmons, D.B., J.A. Elliott and D.C. Beckett. XVII. Intl. Dairy Congr. D:2 : 499-508. 1966.
21. Dairy research in Canada, 1958-1964. Emmons, D.B. Dairy Sci. Abstr. 28: 389-406. 1966.
- 34 22. Effect of lactic-streptococcal agglutinins in milk on curd formation and manufacture of Cottage cheese. Emmons, D.B., J.A. Elliott, and D.C. Beckett. J. Dairy Sci. 49: 1357-1366. 1966.
- 51 23. Factors causing bottom sludge in the manufacture of Cottage cheese. Emmons, D.B., J.A. Elliott, and D.C. Beckett. Can. Dairy Ice Cream J. 46(5): 22-24. 1967.
- 66 24. Frozen and freeze-dried Cottage cheese. Emmons, D.B., D.C. Beckett, and I.W. Tape. Can. Inst. of Food Technol. J. 1(1): 8-10. 1966.
- # 137 25. Milk-based puddings and custards could open profitable new markets for dairies. Emmons, D.B., Elizabeth Larmond and D.C. Beckett. Modern Dairy 49(3): 17-21. 1970.

Contr. No.

- 143 26. Inactivation of pepsin in hard water. Emmons, D.B.
J. Dairy Sci. 53: 1177-1182, 1970.
- 159 27. Cheddar cheese manufacture with pepsin and rennet.
Emmons, D.B., A. Petrasovits, R.H. Gillan and J.M. Main.
Can. Inst. Food Technol. J. 4: 31-37. 1971.
- 164 28. Determination of total solids in heterogeneous heat-sensitive
foods. Emmons, D.B., Elizabeth Larmond, and D.C. Beckett.
J. Assoc. of Official Analyt. Chem. 54: 1403-1405. 1971.
- 169 29. Dairy Research - a review of recent and current activity.
Emmons, D.B. Food in Canada 34(4): 62-64, 1972.
- 174 30. Dairy Research - New developments in products processing
and packaging. Emmons, D.B. Food in Canada 34(5):
30-32. 1972.
- 173 31. Physical properties and storage stability of milk-based
puddings made with various starches and stabilizers.
Emmons, D.B., D.C. Beckett and Elizabeth Larmond.
Can. Inst. Food Sci. and Technol. J. 5: 72-76. 1972
- Misc. Chicago conference updates information on processing and
utilization of whey. Emmons, D.B. Modern Dairy, Sept/7:

(12)

MICROBIOLOGY SECTION - REFERENCES

W.E. Ferguson

(see Yates,
Asselbergs)

1. Resazurin reduction by microorganisms in fresh frozen vegetables. Ferguson, W.E., A.R. Yates and A.H. Jones. Food Technology 12: 641-644. 1958.
2. Factors affecting the development of "Bacillus coagulans" in fresh tomatoes and in canned tomato juice. Jones, A.H. and W.E. Ferguson. Food Technol. 15: 107-111. 1961. (28.26.07)
3. The preservation of *erwinia tracheiphila* by freeze-drying. Ferguson, W.E. and V.W. Nuttall. Can. J. Bot. 42: 333-335. 1964.
4. The effects of Gamma Radiation on bananas. Ferguson, W.E., and A.R. Yates. Food Technol. 20: 105-107. 1966.

D. FROELICH

(13)

J.J. Gether

1. The non-volatile acids of succulent plants exhibiting a marked diurnal oscillation in their acid content. II. Demonstration of Piscidic Acid as one of the predominating acids in *Opuntia ficus-indica* L. Nordal, A. J.J. Gether and G. Haustveit. *Acta Chem. Scand.* 20(5): 1431-1432. 1966.

(14)

DAIRY SECTION - REPRINTS

C. A. Gibson
(see Riel)

1. Ozone for controlling mold on Cheddar cheese. Gibson, C.A., J.A. Elliott and D.C. Beckett. Can. Dairy & Ice Cream J. 39(12): 24,26,28. 1960. (55.21.02)
2. Survival of strains of lactic streptococci during frozen storage. Gibson, C.A., G.B. Landerkin and Pamela M. Morse. J. Dairy Res. 32: 151-156. 1965. (570.11/3-6 - 83.00.03)
3. Effects of additives on the survival of Lactic Streptococci in frozen storage. Gibson, C.A., G.B. Landerkin and Pamela M. Morse. Applied Microbiology 14(4): 665-669. 1966.

15

V.R. Harwalkar

- Publication No. 1. Effect of dietary phenylalanine and tryptophan on brain serotonin. Wang, H.L., V.R. Harwalkar and H.A. Weisman. Archives of Biochem. and Biophys. 97: 181-184. 1962.
2. Effect of dissociating agents on physical properties of fat globule membrane fractions. V.R. Harwalkar and J.R. Brunner. J. Dairy Sci. 48: 1139-1148. 1965.
3. Electrophoretic differentiation of fresh and incubator reject eggs. Harwalkar, V.R. Can. Inst. Food Technol J. 1: 150-153. 1968.
- 110 4. Low-ash lactalbumin as a by-product of lactose production. Harwalkar, V.R. and D.B. Emmons. Can Inst. Food Technol. J. 2: 9-11. 1969.
- 154 5. Isolation of bitter and astringent fractions from Cheddar cheese. Harwalkar, V.R. and J.A. Elliott. J. Dairy Sci. 54: 8-11. 1971.
- 155 6. Production of bitter flavor components by Lactic cultures. Harwalkar, V.R. and E.W. Seitz. J. Dairy Sci. 54: 12-14. 1971.
- 171 7. Characterization of an astringent flavor fraction from Cheddar cheese. Harwalkar, V.R. J. Dairy Sci. 55 735-741. 1972.
- 172 8. Influence of hydrogen ion concentration on extractability and flavor of bitter and astringent flavor components from Cheddar cheese and cultured milk. Harwalkar, V.R. J. Dairy Sci. 55: 742-743. 1972.
- 180 9. Isolation and partial characterization of an astringent fraction from milk and nonfat dry milk. Harwalkar, V.R. J. Dairy Sci. 55: 1400-1404. 1972

(16)

Contr. No.

175

1. Osmotic dehydration - A cheap and simple method of preserving mangoes, bananas and plantains.
Hope, G.W. and D.G. Vitale. J. Bulletin IDRC Monograph - 004e. 1972

(17)

DAIRY SECTION - REPRINTS

C.K. Johns

see Elliott,
Seitz)
Landerkin

1. Lactobacilli in Cheddar cheese. Johns, C.K. and Shirley E. Cole. J. Dairy Research 26: 157-161. 1959.
2. Detecting recontamination of pasteurized products. Johns, C.K. Can. Dairy & Ice Cream J. 38(4): 34,38. 1959.
3. Staphylococcus aureus in Cheddar cheese. Takahashi, I. and C.K. Johns. J. Dairy Sci. 42: 1032-37. 1959.
4. Applications and limitations of quality tests for milk and milk products. A Review. Johns, C.K. J. Dairy Sci. 42: 1625-50. 1959.
5. The value of preliminary incubation in bacteriological test for milk. Johns, C.K. and I. Berzina. XV Int. Dairy Congress 3: 1293-1302. 1959. (570.11/3-1 - 55.16.02)
6. Appraisal of methods for assessing the sanitary quality of milk. Johns, C.K. C.D.A. Public. 1084. 1960.
7. Preliminary incubation of raw milk samples. Johns, C.K. J. Milk and Food Technol. 23(5): 137-141. 1960. (570.11/3-1 - 55.16.02)
8. Further observations on testing milk for penicillin. Johns, C.K. J. Milk & Food Technol. 23(9): 266-268. 1960.
9. Testing Cheddar cheese for extraneous matter. Murphy, F.B. and C.K. Johns. Can. Dairy & Ice Cream J. 39(10): 28,30,32,34. 1961.
10. Is cooling of milk being over-emphasized? Johns, C.K. Can. Dairy & Ice Cream J. 40(2): 25,26,27. 1961. (570.11/3-1 - 55.16.02)
11. A comparison of techniques for assessing the bacteriological condition of milking machines. Johns, C.K. and A.D. McClure. J. Milk & Food Technol. 24(11): 362-366. 1961. (570.11/3-1 - 55.16.02)
12. High quality milk. Johns, C.K. C.D.A. Public. 844. 1962.
13. Are we using chemical sterilisers correctly? Johns, C.K. Dairy Engineering. 79: 156-160. May 1962.
14. The coliform count of raw milk as an index of udder cleanliness. Johns, C.K. XVI Int. Dairy Congr. 8:1. 1962. (570.11/3-1 - 55.16.02)
15. The influence of conditions on the farm on the hygienic quality of milk. (Design of cow shed, milking equipment, cooling). Johns, C.K. XVI Int. Dairy Congr. 35-56. 1962.

DAIRY SECTION - READING

- Johns 16. Milk control on reception. Johns, C.F. Milk Hygiene, VIII: Monograph Series, No. 48, 223-237. 1962.
(570.11/3-1 - 55.16.02)
17. A Canadian looks at British dairying. Johns, C.F. Dairy Engineering. August 1963. (570.11/3-1 - 55.16.02)
18. Sanitary milk production in Scandinavia and Britain. Johns, C.F. J. Milk & Food Technol. 26(6): 188-192. 1963.
(570.11/3-1 - 55.16.02)
19. Relation between milk production conditions and results of bacteriological tests with and without preliminary incubation of samples. Johns, C.F., L.F.L. Clegr, A.G. Legatt, and J.P. Nesbitt. J. Milk & Food Technol. 27(11): 326-332. 1964.
(570.11/3-1 - 55.16.02)
20. Effects of preliminary incubation on the bacterial flora of bulk-tank milks produced in three different Canadian milk sheds. Johns, C.K. and G.B. Landerkin. J. Dairy Sci. 52: 1935-1940. 1969.

19

~~BEST~~
F.B. Johnston

(see P.A. Poapst)

Phillips

1. The isolation of nucleoli from ungerminated pea embryos. Johnston, F.B., G. Setterfield and H. Stern. J. Biophysic. and Biochem. Cytol. 6: 53-57. 1959.
2. Some chemical properties of isolated pea nucleoli. Stern, H., F.B. Johnston and G. Setterfield. J. Biophysic. and Biochem. Cytol. 6: 57-60. 1959.
3. Fine structure in cells of pea and wheat embryos. Setterfield, G., H. Stern and F.B. Johnston. Can. J. Botany 37: 65-72. 1959.
4. Science and food processing. Johnston, F.B. A.I.C. Review. March-April: 15-25. 1962.
5. A bibliography of potato quality. Johnston, F.B., N.W. Tape and J.G. Armstrong. Dept. publication. June 1965.
6. The non-volatile organic acids of some fresh fruits and vegetables. Johnston, F.B., and M.M. Hammill. Can. Inst. of Food Technol. J 1(1): 3-5. 1968.
7. Distribution of mineral constituents and dry matter in the potato tuber. Johnston, F.B., I. Hoffman, and A. Petrasovits. Amer. Potato J. 45(8): 287-292. 1968.
8. Relationships of sugar, acid and phenolic constituents of apple leaves and fruits. Johnston, F.B., L.P. Spangelo, R. Watkins, and M.M. Hammill. Can. J. Plant Sci. 48: 473-477. 1968.
9. Effect of storage on the size distribution and amylose/amylopectin ratio in potato starch granules. Johnston, F.B., Branko Urbas, and G. Khanzada. Amer. Potato J. 45(9): 315-321. 1968.
10. Compositional and fruit quality relationships in apple fruit and leaves. Johnston, F.B., L.P. Spangelo, R. Watkins, and M.M. Hammill. Can. J. Plant Sci. 49: 403-4. 1969.
11. Starch and dry matter content of Netted Gem in Relation to French Fry texture. Johnston, F.B., E. Kenkars and A.C. Nunes. Amer. Potato J. 47(3): 87-93. 1970.
12. Ascorbic acid in red raspberry fruit and leaves. Fejer, S.O., F.B. Johnston, L.P.S. Spangelo and Madeleine M. Hammill. Can. J. Plant Sci. 457-461. 1970.

138

112

Storage Section - Reprints

J.D. Jones

1. The respiration climacteric in the apple. Production of ethylene and fatty acids in fruit attached to and detached from the tree. Meigh, D.F., J.D. Jones and A.C. Hulme. Phytochemistry 6:1507-1515. 1967.
2. Thin-layer chromatography, ultraviolet and fluorescence spectra of some fluorene-9-carboxylic acid derivatives (morphactins). Parups, E.V., and J.D. Jones. J. Chromatog. 36: 313-324. 1968.

(21)

PROTEINS
MICROBIOLOGY SECTION - REPRINTS

Box 2

M. Kalab

1. Electrophoretic separation of soluble mushroom proteins in acrylamide gel. Kalab, M. and Z. Matloch. *Planta Medica* 14: 126-130. 1966.

2. Gel filtration of native and modified pig serum lipoproteins. Kalab, M. and W.G. Martin. *J. Chromatogr.* 35: 230-237. 1968.

3. Electrophoresis of pig serum lipoproteins in agarose gel. Kalab, M. and W.G. Martin. *Analyt. Biochem.* 24: 218-225. 1968.

4. Type V Hyperlipoproteinemia. A study of a patient and family. Nixon, J.C., W.G. Martin, M. Kalab and G.J. Monahan. *Clin. Biochem.* 2: 389-398. 1969.

136 5. Factors affecting the Ellman determination of sulphydryl groups in skimmilk powder and gels. Kalab, M. *J. Dairy Sci.* 53: 711-718. 1970.

158 6. Heat-induced milk gels. II. Preparation of gels and measurement of firmness. Kalab, M., P.W. Voisey and D.B. Emmons. *J. Dairy Sci.* 54: 178-181. 1971.

161 7. Heat-induced milk gels. III. Physical factors influencing the firmness. Kalab, M., D.B. Emmons and P.W. Voisey. *J. Dairy Sci.* 54(8): 638-642.

176 8. Heat-induced milk gels. IV. Nutritional evaluation. Kalab, M., G.H. Anderson, and R.P.A. Sims. *J. Dairy Sci.* 55: 1073-1076. 1972.

179 9. Heat-induced milk gels. V. Some chemical factors influencing the firmness. Kalab, M. and E.B. Emmons. *J. Dairy Sci.* 55: 1225-1231. 1972.

(22)

MICROBIOLOGY SECTION - REPRINTS

G.B. Landerkin

(see also Gibson)

1. Organisms associated with septicemia in the honeybee, *Apis mellifera*. Landerkin, G.B., and H. Katzenelson. Can. J. Microbiol. 5: 169-172. 1959.
2. Microbial induction of Corrosion in aircraft aluminium alloy sheet. Landerkin, G.B. and A.J. Le Cheminant. Can. Aeronautics and Space J. 14(4): 131-135. 1968.
3. Investigation of factors contributing to the bacterial count of bulk-tank milk. I. Influence of two-day storage and effect on results of preliminary incubation. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. J. Dairy Sci 51: 1182-1187. 1968.
4. Investigation of factors contributing to the bacterial count of bulk-tank milk. II. Bacteria in milk from individual cows. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. J. Dairy Sci. 51: 1188-1191. 1968.
5. Investigation of factors contributing to the bacterial count of bulk-tank milk. III. Increase in count, from cow to bulk tank, and effects of refrigerated storage and preliminary incubation. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. J. Dairy Sci. 51: 1192-1206. 1968.

(23)

PROCESSING SECTION - REPRINTS

- M.E. Larmond 1. Methods for Sensory Evaluation of Food. Larmond, M. Elizabeth. CDA Publication 1284. 1967.
2. Sensory Evaluation of Foods - Marketing tool for "repeat" sales. Larmond, M. Elizabeth. Can. Food Ind. 39(4): 21-27. 1968.
3. Frozen geese quality as affected by sex and breed. Larmond, M. Elizabeth, A. Petrasovits, E.S. Merritt, and N.W. Tape. J. Food Sci. 33 (4): 349-352. 1968.
4. The effect of low level Gamma Irradiation on peaches. Food Irradiation 8(4): 2-9. 1968. Larmond, M. Elizabeth, and A.A. Hamilton.
5. Application of multiple paired comparisons in studying the effect of aging and finish on beef tenderness. Larmond, Elizabeth, A. Petrasovits and Pamela Hill. Can J. Animal Sci. 49: 51-58. 1969.
- * 134 6. Eating quality of chicken broilers as influenced by age and sex. Elizabeth Larmond and Edwin T. Moran, Jr. Can. Inst. Food Food Technol. J. 2: 185-187. 1969.
- * 131 7. Dressing, grading and meat yields with broiler chicken breed. Moran, E.T. Jr., H.L. Orr and E. Larmond. Food Technol. 24(1): 73-78. 1970.
- * 146 8. Production efficiency, grades and yields with the large white turkey as related to sex and age. Moran, E.T., Jr., H.L. Orr and E. Larmond. Poultry Sci. XLIX : 476-493. 1970.
- * 140 9. Eating quality of two basic breeds of broiler chickens and their crosses. Larmond, Elizabeth, E.T. Moran, Jr., and Chong Ik Kim. Can Inst. Food Technol. J. 3: 63-65. 1970.
- # 156 10. Texture of baked beans - A comparison of several METHODS of measurement. Voisey, Peter W. and Elizabeth Larmond. J. of Textured Studies 2:96-109. 1971.
- * 162 11. Eating quality of large white turkeys as influenced by age and sex. Larmond, Elizabeth, A. Petrasovits and Edwin T. Moran. Jr., Can. Inst. Food Technol. J. 4:75-79. 1971.
- * 167 12. The effect of feeding diets containing white fishmeal on acceptability and flavor intensity of roasted broiler chickens. Dean, Paul, F.G. Proudfoot, Elizabeth Larmond and J.R. Aitkens. Can J. Anim. Sci. 51: 15-20. 1971.
- * 168 13. Sex and age related production efficiency, grades and yields with the small white broiler-fryer type turkey. Moran, Jr., E.T., H.L. Orr and E. Larmond. Poultry Sci. 50(2): 411-425. 1971.

REPRINTS - M.E. LARMOND

- 181 14. Relationship between Warner-Bratzler and sensory determinations of beef tenderness by the method of paired comparisons. Larmond, Elizabeth and A. Petrasovits. Can. Inst. of Food Sci. and Technol. J. 5:138-144. 1972.
- 187 15. Temperature effect on the organoleptic quality of barbecued chickens. Larmond, E., J. Gilbert & E. Todd. Food Science.

(25)

LIPID SECTION - REPRINTS

M. Lepage
(see Negishi)

1. Plant phospholipids. Isolation and structure of glycerophosphoryl inositol. Lepage, M., R. Mumma and A.A. Benson. J. Am. Chem. Soc. 82: 3713. 1960.
2. The plant sulfolipid. Isolation and properties of sulfo-glycosyl glycerol. Lepage, M., H. Daniel and A.A. Benson. J. Am. Chem. Soc. 83: 157. 1961.
3. The plant sulfolipid. Identification of 6-sulfo-quinovose. Daniel, H., M. Miyano, R.O. Munna, I. Yagi, M. Lepage, I. Shibuya and A.A. Benson. J. Am. Chem. Soc. 83: 1765. 1961.
4. Isolation, purification and physical characterization of 6-sulfo-D-quinovopyranosyl-(1 \rightarrow 1')-D-glycerol. Lepage, M. Dissertation Abstracts 22(8). 1962.
5. Separation de la solanine, de la chaconine et de la solanidine par chromatographie sur couches minces. R. Faquin et M. Lepage. J. Chromatog. 12: 57-62. 1963.
6. The separation and identification of plant phospholipids and glycolipids by two-dimensional thin-layer chromatography. Lepage, M. J. Chromatog. 13: 99-103. 1964.
(570.11/4-5 - 23.00.21)
7. Isolation and characterization of an esterified form of steryl glucoside. Lepage, M. J. Lipid Research 5: 587-592. 1964.
(570.11/4-5 - 23.00.21)
8. Identification and Composition of Turnip Root Lipids Lepage, M. Lipids 2: 244-250. 1967.
9. L'utilisation de l'acide valérique- ^{14}C et la synthèse de lipides marqués par les bactéries cellulolytiques du rumen *in vitro*. Nidiroy-lou, M. and M. Lepage. Can. J. Biochem. 45: 1739-1793. 1967.
10. Carotenoids of wheat flour: Their anti-oxidant composition. Lepage, M. and R. Boch. Cereal Chem. 45: 600-614. 1968.
11. Pollen lipids attractive to honeybees. Lepage, M. and R. Boch. Lipids 3: 530-534. 1968.
12. The lipid components of white potato tubers (*Solanum tuberosum*). Lepage, M. Lipids 3: 477-481. 1968.
13. Phospholipid, protein, and nucleic acid increases in protoplasm and membrane structures associated with development of extreme freezing resistance in black locust tree cells. Siminovitch, D., B. Rheaume, K. Pomeroy, and M. Lepage. Cryobiology 5: 202-225. 1968.

(26)

EE Lists

DAIRY SECTION - RECENTS

W.A. McCuscan

- (see Emmons,
Riel, Wojtowicz)
1. A chromatographic method of detecting foreign fats in butterfat. McCuscan, W.A. XV Internat. Dairy Congr. 3: 1534-38. 1959.
 2. The chemist in agriculture - 7. McCuscan, W.A. Dairy Technol. Prof. Public Serv. 49: 14-15. Oct. 1961.
 3. Analysis of neutral volatiles in Cheddar cheese. McCuscan, W.A. and Shirlie G. Howsam. J. Dairy Sci. 45: 495-500. 1962. (570.11/3-3 - 55.21.04)
 4. The development of Cheddar cheese flavor. McCuscan, W.A. Can. Food Ind. 34(9): 44-49. 1963.
 5. Collections of gas chromatographic fractions for identification by infrared spectrophotometry. Shearer, D.A., F.C. Stone and W.A. McCuscan. The Analyst 88: 147-149. 1963.
 6. Alkaline phosphatase in Cheddar cheese made from raw and heat-treated milk. McCuscan, W.A. and Shirlie G. Howsam. J. Dairy Sci. 47: 139-146. 1964. (570.11/3-3 - 55.21.04)
 7. Unusual flavor defect in cheese similar to that of feline urine (*Felis libyca domesticus*). McCuscan, W.A., and J. Emmons. J. Dairy Sci. 50: 1495-1496. 1967.
 8. Neutral volatiles in Cheddar cheese made according to with and without starter culture. McCuscan, Shirlie G. Howsam, D.A. Elliott, and B.B. Emmons. J. Dairy Sci. 55: 177-185. 1972.
 9. Loss of flavor components in GLC columns and a test for its occurrence. McCuscan, W.A. and Shirlie G. Howsam. Agric. and Food Chem. 20: 1089. 1972.

27

F McKilligan

see M. Lepage
T. Negishi)

R.P.A. Sims

1. A survey of amino acid content of theuredospores of some races of wheat rust (*Puccinia Graminis*). McKilligan, Mary E. Can. J. Chem. 38: 244-247. 1960. (85.03.02)
2. Lipid changes in maturing oil-bearing plants. III. Changes in lipid classes in flax and safflower oils. McKilligan, Mary E. and R.P.A. Sims. JAOCs 40: 108-113. 1963. (570.11/4-2 - 23.00.10)
3. The endosperm lipids of three Canadian wheats. McKilligan, Mary E. and R.P.A. Sims. JAOCs 41: 340-344. 1964. (570.11/4-6 - 36.05.01)
4. Studies of the phospholipids, glycolipids and sterols of wheat endosperm. McKilligan, Mary E. JAOCs 41: 554-557. 1964. (570.11/4-6 - 36.05.01)
5. Lipid Changes in Maturing Oil-Bearing Plants. IV. Changes in Lipid Classes in Rape and Crambe Oils. McKilligan, Mary E. J. Am. Oil Chem. Soc. 43(7): 461-465. 1966.
6. Lecithins and lyssolecithins of wheat flour. McKilligan, Mary E. J. Am. Oil Chem. Soc. 44: 200-201. 1967.
7. Low-temperature anaerobic extraction of free and bound lipid from wheat flour. McKilligan, Mary E., R.P.A. Sims, F.B. Johnston, and J.C. Nes. Cereal Chem. 45(5): 512-519. 1968.
- No. 142 8. Residual lipids of hexane-extracted rapeseed meal. McKilligan, M.E. and J.A.G. Larose. J. Amer. Oil Chem. Soc. 47: 256-258. 1970.

DAIRY SECTION - REPRINTS

Mellors

1. The distribution and metabolism of β -tocopherol in the rat.
Mellors, A., and M. McC. Barnes. Br. J. Nutr. 20: 69-77. 1966.
2. Effect of quinones and quinols on mitochondrial peroxidation.
Mellors a., and A.L. Tappel. Fed. Proc. 25: 3097. 1966.
3. Quinones and quinols as inhibitors of lipid peroxidation. Lipids 1:
282-284. 1966. Mellors, A. and A.L. Tappel.
4. The inhibition of mitochondrial peroxidation by ubiquinone and
ubiquinol. Mellors, A. and A.L. Tappel. J. Biol. Chem. 241:
4353-4356. 1966.
5. β -N-Acetylglucosaminase in bovine milk. Mellors, A. Can. J.
Biochem. 46:451-455. 1968.
6. Glycosidases in bovine milk: α mannosidase and its inhibition
by zwitterions. Mellors, A., and V.R. Harwalkar. Can. J.
Biochem. 46: 1351-1356. 1968.
7. The purification and properties of an amylase-like amylomucinase from
bovine milk. Mellors, A. Can. J. Biochem. 47: 174- . 1969.

(29)

CARBOHYDRATE SECTION - REPRINTS

Dr. V.L.N. Murty

1. Toluene-p-sulphonylation of methyl 6-O-trityl- α -D-manno-pyranoside: Synthesis of 2,4,Di-O-Mannose. V.L.N. Murty and I.R. Siddiqui. Carbohyd. Res. 10: 477-480. 1969.
- 125 2. Synthesis of the 2,3- and 3,4-dimethyl ethers of D-mannose. Murty, V.L.N. and I.R. Siddiqui. Carbohyd. Res. 11: 273-275. 1969.

(30)

MICROBIOLOGY SECTION - REFRENTS

- Nakae
1. Volatile fatty acids produced by some lactic acid bacteria.
I. Factors influencing production of volatile fatty acids
from casein hydrolysate. Nakae, T. and J.A. Elliott.
J. Dairy Sci. 48: 287-292. 1965.
 2. Volatile fatty acids produced by some lactic acid bacteria.
II. Selective formation of volatile fatty acids by degrad-
ation of amino acids. Nakae, T. and J.A. Elliott.
J. Dairy Sci. 48: 293-299. 1965.

(31)

LIPID SECTION - REPRINTS

T. Negishi

1. The use of saran wrap to protect chromatoplates during their exposure to iodine vapor. Negishi, T., Mary E. McKillican and Marius LePage. J. Lipid Res. 5: 486. 1964.
(570.11/4-4 - 23.00.20)

(32)

PROCESSING SECTION - REPRINTS

A.C. Nunes

Contr. No.
96

1. An electronic recording amylograph. Voisey, P.W. and A.C. Nunes.
Can. Inst. of Food Technol. J. 1: 128-132. 1968.

(33)

STORAGE SECTION - REPRINTS

W.R. Phillips
(see Poapst)

1. The effect of irradiation on the development of storage disorders of apples. Phillips, W.R., K.F. MacQueen and P.A. Poapst. Proc. of the 10th Intern. Congr. of Refrigeration 3: 176-180. 1959. (570.11/8-6 - 28.28.11)
2. The use of the jacketed room system for fresh fruit and vegetable storage. Lentz, G.P. and W.R. Phillips. Proc. of the 10th Intern. Congr. of Refrigeration. 3: 309-314. 1959. (570.11/8-5 - 28.28.10)
3. Controlled atmosphere storage of apples. Supplement to Storage of apples - Publication 776. Phillips, W.R. and P.A. Poapst. September 1959.
4. The use of the jacketed room system for the storage of apples. Phillips, W.R., C.P. Lentz, E.A. Cooke and W.M. Rutherford. Can. Refrigeration and air conditioning. Dec. 1961. (570.11/8-5 - 28.28.10)
5. Apple storage, other fruits and vegetables. Phillips, W.R. Can. Food Industries. July 1962.
6. Gamma irradiation of apples. Phillips, W.R. Can. Food Industries. August 1963. (570.11/8-3 - 28.02.37)
(570.11/8-4 - 28.28.08)
7. Note on the effect of CO₂ and O₂ mixtures on the growth of apple scab cultures. Can. J. Plant Sci. 43: 227. 1963. Julien, J.B. and W.R. Phillips.
8. Note on the effect of CO₂ and O₂ mixtures on the growth of apple scab lesions on McIntosh apple. Phillips, W.R., and J.B. Julien. Phytoprotection 47: 114-115. 1964.
9. Handbook on the Storage of Fruits and Vegetables. Phillips, W.R., and J.I. Armstrong. CDA Publ. 1240. 1967.
10. Controlled-atmosphere generator for apple storage. R.L. Scott, W.R. Phillips and F.D. Johnston. Transactions of the ASAE 11(1): 120-122. 1968.

STORAGE SECTION - REPRINTS

P.A. Poapst
(see Phillips
Durkee)

1. Maturation of McIntosh apples in relation to starch loss and abscission. Poapst, P.A., G.M. Ward and W.R. Phillips. Can. J. Plant Sci. 39: 257-263. 1959.
(570.11/8-6 - 28.28.11)
2. The influence of temperature on the rate of acid loss in McIntosh apples. Poapst, P.A. and W.R. Phillips. Can. J. Plant Sci. 40: 736-744. 1960.
(570.11/8-6 - 28.28.11)
3. The effect of small quantities of carbon monoxide on McIntosh apples in controlled atmosphere storage. Poapst, P.A., W.R. Phillips, F.B. Johnston and A.E. Durkee. Can. J. Plant Sci. 45: 605-607. 1965.
4. Effects of a soil humic compound on root initiation. Nature 213(5076): 598-599. 1967. Schäffer M., and P.A. Poapst.
5. A modified root initiation test for auxins and inhibitors. Poapst, P.A., A.E. Durkee, and C.J. Nelson. Can. J. Plant Sci. 47: 263-265. 1967.
6. Root-differentiating properties of some aromatic substances in the apple and pear fruit. Poapst, P.A., A.E. Durkee. J. Hort. Sci. 42: 429-447. 1967.
7. Identification of ethylene in gibberellin- α -treated potatoes. Poapst, P.A., A.E. Durkee, W.A. McCusker, and F.B. Johnston. J. Sci. Ed. Agric. 19: 325-326. 1962.
- No. 130 8. Root-differentiating properties of some glycosides and polycyclic phenolic compounds found in apple and pear fruits. Poapst, P.A., A.E. Durkee and F.B. Johnston. J. Hort. Sci. 45: 69-74. 1970.
- No. 114 9. Effect of a soil fulvic acid on stem elongation in peas. Poapst, P.A., C. Genier and M. Schnitzer. Plant and Soil 32: 367-372. 1970.
- No. 148 10. A storage disorder in Kennebec potatoes caused by high concentrations of maleic hydrazide. Can. J. Plant Sci. 50: 591-593. 1970. Poapst, P.A. and C. Genier.
- No. 152 11. Fulvic acid and adventitious root formation. Poapst, P.A. and M. Schnitzer. Soil Biol. Biochem. 3: 215-219. 1971.
- No. 154 12. Effects of different after-ripening treatments on germination and endogenous growth inhibitors in rosa rugosa. F.J. Svejda & P.A. Poapst. Can. J. Plant Sci. 104: 1-58 (Nov. 1972)

PROTEIN SECTION - REPRINTS

J.R. Quinn

1. Multiple bovine myoglobin inhibition of cytochrome c reduction by xanthine oxidase. Quinn, J.R. and A.M. Pearson. Nature 201 (4922): 928-929. 1964.
 2. Detection and isolation of multiple myoglobins from beef muscle. Quinn, J.R., A.M. Pearson and J.R. Brunner. J. Food Sci. 29: 422-428. 1964.
 3. Characterization studies of three myoglobin fractions from bovine muscle. Quinn, J.R. and A.M. Pearson. J. Food Sci. 29: 429-434. 1964.
 4. The browning produced on heating fresh pork. II. The nature of the reaction. J. Food Sci. 31: 184. 1966. Pearson, A.M., G.S. Paladgis, M.E. Spooner, and J.R. Quinn.
- 186 5. Conversion of bovine myoglobin into multiple, charge-heterogeneous subfractions. J.R. Quinn. J. Food Science.
- 188 6. The reduction of ferric myoglobin by Amphonine on acrylamide gel electrofocusing. Quinn, J.R. J. Chromatog.

(36)

DAIRY SECTION - REPRINTS

- R.H. Riel (see A.H. White) 1. Variation in fat constants of genuine Canadian milk fat. Riel, R.H. J. Assoc. of Official Agric. Chemists: 494-503. May 1955.
2. Washed and nonwashed butter. II. Chemical factors. Riel, R.H., A.H. White and W.A. McGuigan. J. Dairy Sci. 39: 1351-1356. 1956.
3. Use of annato for coloring butter. Riel, R.H. and C.A. Gibson. J. Dairy Sci. 41: 624-629. 1958.
4. Properties of Canadian milk fat specific gravity. Riel, R.H. XIV Intern. Dairy Congr. 2: 1-7. 1958.
5. Specifications for the colour of butter. Riel, R.H. XV Intern. Dairy Congr. 3: 1616-1624. 1959.
6. Specifications for the spreadability of butter. Riel, R.H. J. Dairy Sci. 9: 1224-1230. 1960.
7. Further studies on annato butter color. Riel, R.H. and D.C. Beckett. Can. Dairy & Ice Cream J. 39: 44,46,66. 1960.
8. The use of starter distillate for flavoring butter. Riel, R.H. and C.A. Gibson. Food Technology 15: 136-140. 1961.
9. Les facteurs de tartinabilité du beurre. Riel, R.H. Le Québec Laitier 21: 10-12. 1962. Industr. Lait, Paris (194): 312-315. 1962.
10. Physico-chemical characteristics of Canadian butterfat. Louine and saponification values. Riel, R.H. XVI Intern. Dairy Congr. 3: 23-32. 1962.
11. Physico-chemical characteristics of Canadian milk fat. Unsaturated fatty acids. Riel, R.H. J. Dairy Sci. 46: 102-106. 1963.

(37)

MICROBIOLOGY SECTION - REPRINTS

Seitz

1. Cultural and physiological characteristics of Chromobacterium violaceum bergonzini. Seitz, E.W. M. Sc. Thesis Oregon State Univ. Corvallis. 1959.
2. A pigment-producing spoilage bacterium responsible for violet discoloration of refrigerated market milk and cream. Seitz, E.W., P.R. Elliker and W.E. Sandine. Applied Microbiology 9(4): 287-290. 1961.
3. Studies on diacetyl production by Streptococcus diacetilactis. Matuszewski et al. Seitz, E.W. Ph.D. Thesis Oregon State University, Corvallis. 1962.
4. Distribution of diacetyl reductase among bacteria. Seitz, E.W., W.E. Sandine, P.R. Elliker and E.A. Day. J. Dairy Sci. 46: 186-189. 1963.
5. Studies on diacetyl biosynthesis by Streptococcus diacetilactis. Seitz, E.W., W.E. Sandine, P.R. Elliker and E.A. Day. Can. J. Microbiol. 9: 431-441. 1963.
6. Free proline in normal and in crown-gall tumor tissue of tomato and tobacco. Seitz, E.W. and R.M. Hochster. Life Sciences 3: 1033-1037. 1964.
7. Lysopine in normal and in crown-gall tumor tissue of tomato and tobacco. Seitz, E.W. and R.M. Hochster. Can. J. Bot. 42: 1000-1004. 1964.
8. Active transport of L-Valine by Streptococcus diacetilactis. Seitz, E.W. and R.M. Hochster. J. Dairy Sci. 48: 1282-1236. 1965.
9. Effect of carbon dioxide, oxygen, and nitrogen on growth rate of Streptococcus diacetilactis 18-16 in Elliker's medium. Seitz, E.W. J. Dairy Sci. 49: 1565-1567. 1966.

CARBOHYDRATE SECTION - REPRINTS

I.R. Siddiqui

1. The structure of polysaccharide synthesized by a streptococcus isolated from a "ropy fermentation". The value of infrared spectroscopy in polysaccharide studies. Barker, S.A., F. Pautard, I.R. Siddiqui and M. Stacey. Chemistry and Industry: 1450-1451. 1955.
2. Structure of the capsular polysaccharide of aerobacter aerogenes (N.C.T.C. 418). Barker, S.A., A.B. Foster, I.R. Siddiqui and M. Stacey. J. Chem. Soc. 472: 2358-2367. 1958.
3. Structure of an acidic polysaccharide elaborated by aerobacter areogenes (N.C.T.C. 8172, Klebsiella type 64). Barker, S.A., A.B. Foster, I.R. Siddiqui and M. Stacey. Nature 181: 999. 1958.
4. Uronic acid determination. Barker, S.A., A.B. Foster, I.R. Siddiqui and M. Stacey. Talanta 1: 216-218. 1958.
5. 3, 5 Di-O-methyl-D-galactose, a new methylated sugar from a fully methylated polysaccharide of Gibberella Fujikuroi (Fusarium Moniliforme). Siddiqui, I.R. and G.A. Adams. Can. J. Chem. 38: 2029-2032. 1960.
6. An alternative synthesis of 5-O-methyl-L-arabinose. Siddiqui, I.R., C.T. Bishop and G.A. Adams. Can. J. Chem. 39: 1595-1600. 1961.
7. An extracellular polysaccharide from Gibberella Fujikuroi (Fusarium Moniliforme). Siddiqui, I.R. and G.A. Adams. Can. J. Chem. 39: 1683-1694. 1961.
8. Activity coefficients of non-electrolytes in aqueous solutions of sugars. Foster, A.G. and I.R. Siddiqui. J. Chem. Soc. 964: 4906-4908. 1961.
9. Synthesis of 4-O-methyl-L-arabinose. Siddiqui, I.R. and C.T. Bishop. Can. J. Chem. 40: 233-235. 1962.
10. The behavior of D-galacturonic and D-mannuronic acid in dilute aqueous sodium hydroxide. Siddiqui, I.R. and C.B. Purves. Can. J. Chem. 41: 382-386. 1963.
11. Constitution of an arabinogalactomannan from honey. Siddiqui, I.R. Can. J. Chem. 43: 421-425. 1965.
(570.11/1-1 - 36.17.01)
12. Isolation and characterization of disaccharides from royal jelly. Siddiqui, I.R. and B. Furgala. J. Apicultural Research. 4: 89-94. 1965.
(570.11/1-2 - 36.17.02)

Contribution

No.
18

27

(39)

CARBOHYDRATE SECTION - REPRINTS

- I.R. Siddiqui 13. The structure of the carbohydrate moiety of a glycopeptide from royal jelly. Siddiqui, I.R. and B. Furgala. J. Apic. Res. 5(2): 113-120. 1966.
- No. 41
- No. 50 15. An extracellular polysaccharide from Xanthomonas Campestris. Siddiqui, I.R. Carbohyd. Res. 4: 284-291. 1967.
- No. 49 14. An extracellular polysaccharide from Arthrobacter viscosus. Siddiqui, I.R. Carbohyd. Res. 4: 277-283. 1967.
- No. 57 16. Partial toluene-p-sulphonylation studies of methyl 6-O-trityl- α -D-galactofuranoside. Part I. Synthesis of 2,5-dimethyl ethers of D-galactose. Siddiqui, I.R. and B. Urbas. Carbohyd. Res. 5: 210-217. 1967.
- No. 59 17. Isolation and characterization of oligosaccharides from honey. Part I. Disaccharides. Siddiqui, I.R. and B. Furgala. J. Apiculture Res. 6(3): 139-145. 1967.
- No. 62 18. Centose; a branched trisaccharide containing α -D-(1 \rightarrow 2) and α -D-(1 \rightarrow 4) glycosidic linkages. Carbohyd. Res. 6: 250-252. 1968.
- No. 78 19. Partial toluene-p-sulphonylation studies of methyl 6-O-trityl- β -D-alactofuranoside. Part II. Synthesis of 2,3,6- and 3,5,6-trimethyl ethers of D-galactose. Siddiqui, I.R. and B. Urbas. Carbohyd. Res. 7: 10-12. 1968.
- No. 76 20. Isolation and characterization of oligosaccharides from honey. Part II. Trisaccharides. Siddiqui I.R., and Basil Furgala. J. Apic. Res. 7(1): 51-59. 1968.
- No. 105 21. Preferential toluene-p-sulphonylation of methyl 6-O-trityl- α -D-mannofuranoside: synthesis of 3,5-di-O-methyl-D-mannose. Siddiqui, I.R. and V.L.J. Murty. Carbohyd. Res. 8: 477-481. 1969.
- No. 107 22. Preferential toluene-p-sulphonylation of methyl 6-O-trityl- α -D-mannofuranoside. Part II. Synthesis of 3,5,6-tri-O-methyl-D-mannose. Carbohyd. Res. 9: 344-346. 1969.
- * 151 23. DEAE-cellulose carbonate form. A useful medium for fractionating polysaccharides. Carbohyd. Res. 16: 452-454. 1971. Siddiqui, I.R. and P.J. Wood.
24. The Sugars of Honey. Siddiqui, I.R. p. 285-309. In Advances in Carbohydrate Chemistry and Biochemistry. Vol. 25. 1970.
- # 160 25. Structural investigation of water-soluble, rape-seed (*Brassica campestris*) polysaccharides. Siddiqui, I.R. and P.J. Wood. Carbohyd. Res. 17: 97-108. 1971.

Contribution
No.

- 178 26. Structural investigation of water-soluble rapeseed (*Brassica campestris*) polysaccharides. Part II. An acidic arabinogalactan. Siddiqui, I.R. and P.J. Wood. Carbohydr. Res. 24: 1-9. 1972.

(41)

LIPID SECTION - REPRINTS

R.P.A. Sims

(see
McKillican)

Eugen

Lyngsøe

Cope

1. The effect of relative concentrations on the efficiency of separation of polar and nonpolar lipids by alumina column chromatography. Sims, R.P.A. and J.C. Mes. JAOCS 38: 229-231. 1961. (570.11/4-2 - 23.00.10)
2. Lipid changes in maturing oil-bearing plants. I. Gross changes in safflower and flax. Sims, R.P.A., W.G. McGregor, A.G. Plessers and J.C. Mes. JAOCS 38: 273-276. 1961. (570.11/4-2 - 23.00.10)
3. Lipid changes in maturing oil-bearing plants. II. Changes in fatty acids composition of flax and safflower seed oils. Sims, R.P.A., W.G. McGregor, A.G. Plessers and J.C. Mes. JAOCS 38: 276-279. 1961. (570.11/4-2 - 23.00.10)
4. Formation of heteropoly blue by some reduction procedures used in the micro-determination of phosphorus. Sims, R.P.A. The Analyst 86(1026): 584-590. 1961. (570.11/4-2 - 23.00.10)
5. Lipids and biochemical mechanisms. Sims, R.P.A. Chem. in Canada. Nov. 1961: 30,32. (570.11/4-4 - 23.00.20)
6. The use of iodine vapor as a general detecting agent in the thin-layer chromatography of lipids. Sims, R.P.A. and J.A.G. Larose. JAOCS 39: 232. 1962. (570.11/4-2 - 23.00.10)
7. A note on the use of partially-overloaded β -ray ionization detectors in gas chromatography. Sims, R.P.A. J. Chromatog. 8: 538-540. 1962. (570.11/4-2 - 23.00.10)
8. Autoxidation and Antioxidants. Vol. II. Sims, R.P.A. Oxidative Polymerisation. Ed. W.O. Lundberg. Chapt. 15: 629-682. 1962.
9. Oilseed Crops. Research and development by plant breeder and chemist. R.P.A. Sims, Agric. Inst. Review. May-June. 1963. (570.11/4-2 - 23.00.10)
10. Changes in the fatty acid composition of the seeds of three oil-bearing species during increasing seed maturity. Sims, R.P.A. Can. J. Plant Sci. 44: 217-218. 1964. (570.11/4-2 - 23.00.10)

(42)

LIPID REVIEW - REPRINTS

R.P.A. Sims

11. New food products and processes from FRI. Sims, R.P.A. Chemistry in Canada 18(6): 25-28. 1966.
12. A simple device for preparative TLC. Sims, R.P.A., G.M. Ings, M.E. McKillican, J.A.G. Larose. Lipids 1:452-453. 1966.
13. Training in Food Science & Technology at Canada's Food Research Institute. Sims, R.P.A., and N.W. Tape. Food Technol. 21(7): 76-30. 1967.
14. The heart of the problem. Sims, R.P.A. Agric. Inst. Rev. Nov-Dec. 1967. 22(6): 21-23. 1967
15. The program and philosophy of the Food Research Institute. Sims, R.P. Can. Inst. of Food Technol. J. 1(1): A14-A17. 1968.
16. Des Aliments Pour Demain. Sims, R.P.A. Can. Home Economics J. April 1968. Vol. 18(2): 15-18. 1968.
17. A basis for measuring the intensity of wheat flour pigments. Sims, R.P.A. and M. Lepare. Cereal Chem. 45: 605-611. 1968.
- * 18. Gambling on Goodness. Sims, R.P.A. Can. Food Industr. 41(6): 50-52, 1970.
- #165 19. Edible protein products from Cruciferae seed meals. Sims, R.P.A. J. Amer. Oil Chem. Soc. 48:733-736. 1971

(43)

* Macneese - Rapeseed + Sunflower Protein

Contribution

No.

1. The action of actinomycin D and diepoxybutane on recombination of two closely linked loci in Hordeum. Sinha, R.P. and S.B. Helgason. Can. J. Genet. Cytol. 11:745-751. 1969.
2. Competence for genetic transformation and the release of DNA from Bacillus Subtilis. Biochem. Biophys. Acta. 232: 61-71. 1971. Sinha, R.P. and V.N. Iyer.
3. Recombination deficiency without concomitant ultraviolet or mitomycin hypersensitivity. Sinha, R.P. and V.N. Iyer. Genetics. 68: s63. 1971.
4. Isolation and some distinctive properties of a new type of recombination-deficient mutant of Bacillus Subtilis. J. Moec. Biol. Sinha, R.P. and V.N. Iyer.

(44)

Contribution
No.

1. The action of actinomycin D and diepoxybutane on recombination of two closely linked loci in *Hordeum*. Sinha, R.P. and S.B. Helgason. Can. J. Genet. Cytol. 11:745-751. 1969.
2. Competence for genetic transformation and the release of DNA from *Bacillus Subtilis*. Biochem. Biophys. Acta. 232: 61-71. 1971. Sinha, R.P. and V.N. Iyer.
3. Recombination deficiency without concomitant ultraviolet or mitomycin hypersensitivity. Sinha, R.P. and V.N. Iyer. Genetics. 68. s63. 1971.
4. Isolation and some distinctive properties of a new type of recombination-deficient mutant of *Bacillus Subtilis*. J. Moec. Biol. Sinha, R.P. and V.N. Iyer.

(45)

J.J. Stroz

1. Trends in the food industry. Stroz, J.J. Chem. in Canada.
20(6): 25-30. 1968.

2. Oilseeds - a major food resource of the future. Stroz, J.J.
Canadian Food Industries 40(5): 33-38. 1969.

D.W. Stanley

(46)

PROCESSING SECTION - REPRINTS

1. Tape 1. Mode of action of nystatin on some filamentous fungi. Tape, N.W., R.A. Cappellini and B.H. Davis. Phytopathology 50 (2): 163-169. 1960.
- (see Johnston)
Aref, Sims / Eapen
2. Mushroom Flavor. Tape, N.W. Mushroom News: 9(12): 4-5. 1961.
3. Viscosity of potato flake slurries. Tape, N.W. Food Technol. 19: 180-182. 1965.
- (570.11/6-2 - 28.03.04.)
4. How to grow mushrooms. Tape, N.W. Can. Dep. Agr. Publ. No. 1205. 1965.
5. Pilot plant unit for fluidized-bed freezing and drying. Scott, K.R., N.W. Tape, and M.M. Aref. Food Technol. 21(8): 38-44. 1967.
6. Quality evaluation of irradiated Pakistani rice. Tape, N.W., and W.E. Ferguson. Food Irrad. 7(1-2): A22-25. 1966. (no reprints available)
7. Dehydrated wheat-fish mixtures. Perkins, C.H., N.W. Tape and Z.I. Sabry. Can. Inst. of Food Technol. J. 1: 113-116, 1968.
8. Fluidized Bed Processing. A potential road to - costs and + quality. Tape, N.W. Can. Food Ind. 39(5): 23-25. 1968.
9. Is irradiation bad? Tape, N.W. Canadian Food Industries 39(12): 30-32. 1968.
10. Future trends in food processing and marketing. Tape, N.W. Can. J. Public Health, December: 467-470. 1968.
11. The marriage of food technology and nutrition. Tape, N.W. and Z.I. Sabry. World Review of Nutrition and Dietetics 10: 1-12. 1969.
12. Physical properties of the potato tuber. Voisey, Peter W., N.W. Tape and M. Kloek. Can. Inst. Food Technol. 2: 98-103. 1969.
13. Food processing - a nutritional problem? Tape, N.W. Can. Food Ind. 40(12): 36-38. 1969.
- #147 14. Application of microwave energy in food manufacture. Tape, N.W. Can. Inst. Food Technol. J. 3: 39-43. 1970.
- # 139 15. Rapeseed - Canada's soybean. Tape, N.W. Can. Food Ind. 41(5): 45-49. 1970.
- # 126 16. The dehydration of foods and some new methods of drying. Tape, N.W. Can. Food Industr. 41(8): 29-31, 1970.
- #144 17. Production of rapeseed flour for human consumption. Tape, N.W., Z.I. Sabry and K.E. Eapen. Can. Inst. Food Food Technol. 3: 78-81, 1970.

(47)

CARBOHYDRATE SECTION - REPRINTS

Box 3

B. Urbas

see S.d.1971

1. Occurrence of D-glucuronic acid in tamarack arabinogalactan.
Urbas, B., C.T. Bishop and G.A. Adams. Can. J. Chem. 41: 1522-1524. 1963.
2. Isolation and some structural features of a polysaccharide from birch sap. Urbas, B., G.A. Adams and C.T. Bishop. Can. J. Chem. 42: 2093-2100. 1964.
3. Methyl 4-deoxy-4-mercaptop-D-ribofuranoside. Whistler, Roy L., W.E. Dick, T.R. Ingle, R.M. Rowell and B. Urbas. J. Organic Chem. 29: 3723-3725. 1964.
4. 1,6-Anhydro-5, 6-dideoxy-6-mercaptop-D-xylo-hexofuranose. Whistler, Roy L. and B. Urbas. J. Organic Chem. 30: 2721-2723. 1965.
5. Synthesis of purine and pyrimidine nucleosides of thicpentoses. Urbas, B., in R.L. Whistler. J. Organic Chem. 31: 313. 1966.
6. Absolute configuration of (-)- α -Hydroxy- α -(m-Hydroxyphenyl)-Proionic acid. Deljac, A., K. Palenovic, and B. Urbas. Recueil 86: 765-766. 1967.
7. Low molecular weight carbohydrates from potato (*Solanum tuberosum*). Urbas, B. Can. J. Chem. 46: 41-53. 1968.

INSTROZ TRENDS IN THE FOOD INDUSTRY 1968
OILSEED - A MAJOR FOOD RESOURCE OF THE FUTURE

- W.W. Watanabe 1. Microwave processing of wieners. 1. Composition and method of preparation. W. Watanabe and N.W. Tape. Can. Inst. Food Technol. 2: 64-68. 1969. 121
2. Microwave processing of wieners. 2. Effect on micro-organisms. 127 W. Watanabe and N.W. Tape. Can. Inst. Food Technol. 2: 104-107. 1969.
3. Gamma irradiation of commercial and microwave processed wieners. 131 Watanabe, W., N.W. Tape and Elizabeth Larmond. Can. Inst Food Technol. 2: 181-184. 1969.

(49)

DAIRY SECTION - REFERENCES

A.H. White

1. Washed and nonwashed butter. I. Flavor quality and curd content. White, A.H., D.M. Beattie and R.R. Riel. J. Dairy Sci. 39: 261-267. 1956.
2. Washed and nonwashed butter. III. Microbiological aspects. White, A.H. and K.N. Smith. J. Dairy Sci. 39: 1359-63. 1956.
3. The elimination of washing in butter manufacture. White, A.H., R.R. Riel and D.M. Beattie. Intern. Dairy Congress. XIV. Vol. 2. 1957.

(SD)

Publication
No.

- 145 1. Carbohydrates of Nosema apis spores. Wood, P.J.
I.R. Siddiqui, J.W. Vandermeer and T.A. Gochnauer.
Carbohyd. Res. 15: 154-158. 1970.
- 153 2. Determination of methanol and its application to
measurement of pectin ester content and pectin methyl
esterase activity. Wood, P.J. and I.R. Siddiqui
Analytical Biochem. 39: 418-428. 1971.
- 163 3. Gas-liquid chromatography of butaneboronates of
carbohydrates and their trimethylsilyl ethers.
Wood, P.J. and I.R. Siddiqui. Carbohyd. Res. 19: 283-286.
1971.
- 166 4. Isolation and structural studies of a water-soluble
galactan from potato (*Solanum tuberosum*) tubers.
Wood, P.J. and I.R. Siddiqui. Carbohyd. Res. 22:
212-220. 1972

(SI)

DAIRY SECTION - PRINTS

M.B. Wojtowicz

1. Quelques observations sur les composants volatils de l'arome du fromage Cheddar. Wojtowicz, M.B. and W.A. McGugan. Qualitas Plantarum et Materiae Vegetabilis. XI: 282-285. 1964.

(52)

MICROBIOLOGY SECTION - REPRINTS

- A.R. Yates 1. Observations on *Byssochlamys nivea* isolated from cucumber brine.
(see Asselbergs Yates, A.R. and W.E. Ferguson. Can. J. Bot. 41: 1599-1601. 1963.
Ferguson) (570.11/5-1 - 28.22.08)
2. Growth of *Byssochlamys Nivea* in various carbon dioxide atmospheres. Yates, A.R., A. Seaman, and M. Woodbine. Can. J. Microb. 13: 1120-1123. 1967.
3. Ascospore germination in *Byssochlamys nivea*. Can. J. Microb. 14: 319-325. 1968. Yates, A.R., A. Seaman and M. Woodbine.
4. Production of pectic enzymes by *Byssochlamys nivea*. Yates, A.R. and D.B. Mooney. Can. Inst. of Food Technol. J. 1: 106-109. 1968.
5. Comparison of liquid nitrogen and conventional freezing methods on bacterial count in frozen vegetables. Yates, A.R. and M.M. Aref. Can. Inst. Food Technol. 2: 1-2. 1969. 109
6. Has the mighty microbe been defeated? Yates, A.R. Can. Food Indust. 40(4): 26-27. 1969.
7. Process biochemistry. Yates, A.R. Can. Food Industr. 40(7): 20-23. 1969.

R. J. Wask Measuring the texture of Coated Spaghetti

D F Wood Water of Red meat in Sausage formulation

S. H. Yu A Fluorescence Microscopic Study Cheese

G ZARANDAS Methionine metabolism in the digestive tract of sheep

(53)

File #

Food Research Institute

Publications

1963--present

These articles are filed sequentially according to the numbers assigned by FRI at the time of publication.

OF = on file

CANADIAN DAIRY CONFERENCE TAB - 1963

Reprints Food Technology Section Division of Biosciences
NATIONAL RESEARCH COUNCIL 1948

(54)

Numbered Publications of the Food Research Institute

(O) Box 3

- 1963 OF 1. McKilligan, Mary E., and R.P.A. Sims. 1963. Lipid changes in maturing oil-bearing plants. III. Changes in lipid classes in flax and safflower oils. *J. Amer. Oil Chem. Soc.* 40: 108-113.
- OF 2. Sims, R.P.A. 1963. Oilseed Crops. Research and development by plant breeder and chemist. *Agric. Inst. Review* 18(3): 9-12.
- OF 3. Emmons, D.B. 1963. Recent research in the manufacture of cottage cheese. *Dairy Sci. Abstr.* 25: 129-137, 175-182.
- OF 4. Julian, J.B., and W.R. Phillips. 1963. Note on the effect of CO₂ and O₂ mixtures on the growth of apple scab cultures. *Can. J. Plant Sci.* 43: 227.
- OF 5. McKilligan, Mary E., and R.P.A. Sims. 1964. The endosperm lipids of three Canadian wheats. *J. Amer. Oil Chem. Soc.* 41: 340-344.
- OF 6. Phillips, W.R. 1963. Gamma irradiation of apples. *Can. Food Ind.* 34(8): 38-4.
- OF 7. McGugan, W.A. 1963. Cheddar cheese flavor development. *Food Ind.* 34(9): 44-4.
- OF 8. Lepage, M. 1964. The separation and identification of plant phospholipids and glycolipids by two-dimensional thin-layer chromatography. *J. Chromatog.* 13: 99-103.
- OF 9. Yates, A.R., and W.E. Ferguson. 1963. Observations on *byssochlamys nivea* isolated from cucumber brine. *Can. J. Botany* 41: 1599-1601.
- 1964 OF 10. Durkee, A.B., and J.C. Sirois. 1964. The detection of some indoles and related compounds on paper chromatograms. *J. Chromatog.* 13: 173-180.
- OF 11. Ferguson, W.E., and V.W. Nuttall. 1964. The preservation of *Erwinia tracheiphila* by freeze-drying. *Can. J. Botany* 42: 333-335.
12. McGugan, W.A., and Shirlie G. Houssam. 1964. Alkaline phosphatase in Cheddar cheese made from raw and heat-treated milk. *J. Dairy Sci.* 47: 139-146.
- OF 13. Sims, R.P.A. 1964. Changes in the fatty acid composition of the seeds of three oil-bearing species during increasing seed maturity. *Can. J. Plant Sci.* 44: 217-218.
- OF 14. McKilligan, Mary E. 1964. Studies of the phospholipids, glycolipids and sterols of wheat endosperm. *J. Amer. Oil Chem. Soc.* 41: 554-557.
- OF 15. Negishi, T., Mary E. McKilligan, and Marius Lepage. 1964. The use of Saran wrap to protect chromatoplates during their exposure to iodine vapor. *J. Lipid Res.* 5: 486.
- OF 16. Lepage, M. 1964. Isolation and characterization of an esterified form of steryl glucoside. *J. Lipid Res.* 5: 587-592.
- OF 17. Johns, C.K., L.F.L. Clegg, A.G. Leggatt, and J.M. Nesbitt. 1964. Relation between milk production conditions and results of bacteriological tests with and without preliminary incubation of samples. *J. Milk & Food Technol.* 27(11): 326-332.

- 1965 OF18. Siddiqui, I.R. 1965. Constitution of an arabinogalactomannan from honey. *Can. J. Chem.* 43: 421-425.
- OF19. Durkee, A.B., and P.A. Poapst. 1965. Storage disorders in fruit. Acidic indoles in cold-stored McIntosh apples. *Agric. and Food Chem.* 13: 135.
- OF20. Durkee, A.B., and P.A. Poapst. 1965. Browning Reactions in Fruit. Phenolic constituents in core tissues and ripe seed of McIntosh apples. *Agric. and Food Chem.* 13: 137-139.
- OF21. Tape, N.W. 1965. Viscosity of potato flake slurries. *Food Technol.* 19: 180-182.
- OF22. Nakae, T., and J.A. Elliott. 1965. Volatile fatty acids produced by some lactic acid bacteria. I. Factors influencing production of volatile fatty acids from casein hydrolysate. *J. Dairy Sci.* 48: 287-292.
- OF23. Nakae, T., and J.A. Elliott. 1965. Volatile fatty acids produced by some lactic acid bacteria. II. Selective formation of volatile fatty acids by degradation of amino acids. *J. Dairy Sci.* 48: 293-299.
- OF24. Gibson, C.A., G.B. Landerkin, and Pamela M. Morse. 1965. Survival of strains of lactic streptococci during frozen storage. *J. Dairy Res.* 32: 151-156.
- 1967 OF25. Poapst, P.A., A.B. Durkee, and S.H. Nelson. 1967. A modified bean root initiation test for auxins and inhibitors. *Can. J. Plant Sci.* 47: 263-268.
- OF26. Poapst, P.A., and A.B. Durkee. 1967. Root-differentiating properties of some simple aromatic substances of the apple and pear fruit. *J. Hort. Sci.* 42: 429-438.
- OF27. Siddiqui, I.R., and B. Furgala. 1965. Isolation and characterization of disaccharides from royal jelly. *J. Apic. Res.* 4: 89-94.
- OF28. Emmons, D.B., J.A. Elliott, and D.C. Beckett. 1965. A sensitive test for lactic-streptococcal agglutinins. *J. Dairy Sci.* 48: 1245-1246.
- OF29. Seitz, E.W., and R.M. Hochster. 1965. Active transport of L-Valine by Streptococcus diacetilactis. *J. Dairy Sci.* 48: 1282-1286.
- OF30. Poapst, P.A., W.R. Phillips, F.B. Johnston and A.B. Durkee. 1965. The effect of small quantities of carbon monoxide on McIntosh apples in controlled atmosphere storage. *Can. J. Plant Sci.* 45: 605-607.
- OF31. Ferguson, W.E., A.R. Yates, K.F. MacQueen, and J.A. Robb. 1966. The effects of gamma radiation on bananas. *Food Technol.* 20: 105-107.
- OF32. Schnitzer, M., and P.A. Poapst. 1967. Effects of a soil humic compound on root initiation. *Nature* 213(5076): 598-599.
- OF33. Voisey, P.W., and D.B. Emmons. 1966. Modification of the curd firmness test for Cottage cheese. *J. Dairy Sci.* 49: 93-96.

- OF 34. Emmons, D.B. 1966. Dairy research in Canada, 1958-1964. *Dairy Sci. Abstr.* 28: 389-406.
- OF 35. Phillips, W.R., and J.B. Julien. 1966. Note on the effect of CO₂ and O₂ mixtures on the growth of apple scab lesions on McIntosh apple. *Phytoprotection* 47: 114-115.
- OF 36. McKillican, Mary E. 1966. Lipid changes in maturing oil-bearing plants. IV. Changes in lipid classes in rape and crambe oils. *J. Amer. Oil Chem. Soc.* 43: 461-465.
- OF 37. Sims, R.P.A. 1966. New food products and processes from FRI. *Chem. in Canada* 18(6): 25-28.
- OF 38. Gibson, C.A., G.B. Landerkin, and Pamela M. Morse. 1966. Effects of additives on the survival of Lactic Streptococci in frozen storage. *Applied Microbiol.* 14(4): 665-669.
- OF 39. Tape, N.W., and W.E. Ferguson. 1966. Quality evaluation of irradiated Pakistani rice. *Food Irradiation* 7(1-2): A22-25.
- OF 40. Emmons, D.B., J.A. Elliott, and D.C. Beckett. 1966. Lactic-Streptococcal agglutinins in milk and blood. XVII. *Intl. Dairy Congr.* D.2: 499-508.
- OF 41. Siddiqui, I.R., and B. Furzala. 1966. The structure of the carbohydrate moiety of a glycopeptide from royal jelly. *J. Apic. Res.* 5(2): 113-120.
- OF 42. Hidiroglou, H., and M. Lepage. 1967. L'utilisation de l'acide valérique-14C et la synthèse de lipides marqués par les bactéries cellulolytiques du rumen in vitro. *Can. J. Biochem.* 45: 1789-1793.
- OF 43. Emmons, D.B., J.A. Elliott, and D.C. Beckett. 1966. Effect of lactic-streptococcal agglutinins in milk on curd formation and manufacture of Cottage cheese. *J. Dairy Sci.* 49: 1357-1366.
- OF 44. Aref, M.M., and N.W. Tape. 1966. A new method for processing turkey rolls. *Can. Food Industries* 37(12): 15-18.
- OF 45. Sims, R.P.A., G.M. Ings, M.E. McKillican, and J.A.G. Larose. 1966. A simple device for preparative TLC. *Lipids* 1: 452-453.
- OF 46. Seitz, E.W. 1966. Effect of carbon dioxide, oxygen, and nitrogen on growth rate of *Streptococcus diacetilactis* 18-16 in Elliker's medium. *J. Dairy Sci.* 49: 1565-1567.
- OF 47. Voisey, P.W., and M.M. Aref. 1967. Measurement of applied mechanical pressure during processing of turkey rolls. *Food Technol.* 21: 169-171.
- OF 48. McKillican, Mary E. 1967. Lecithins and lyssolecithins of wheat flour. *J. Amer. Oil Chem. Soc.* 44: 200-201.
- OF 49. Siddiqui, I.R. 1967. An extracellular polysaccharide from *Arthrobacter viscosus*. *Carbohydrate Res.* 4: 277-283.

(57)

- OF50. Siddiqui, I.R. 1967. An extracellular polysaccharide from Zanthomonas Campestris. Carbohydrate Res. 4: 284-291.
- OF51. Emmons, D.B., J.A. Elliott, and D.C. Beckett. 1967. Factors causing bottom sludge in the manufacture of Cottage cheese. Can. Dairy Ice Cream J. 46(5): 22-24.
- OF52. Yates, A.R., A. Seaman, and M. Woodbine. 1967. Growth of Byssochlamys Nivea in various carbon dioxide atmospheres. Can. J. Microbiol. 13: 1120-1123.
- OF53. Lepage, M. 1967. Identification and composition of turnip root lipids. Lipids 2: 244-250.
- OF54. Sims, R.P.A., and N.W. Tape. 1967. Training in food science and technology at Canada's Food Research Institute. Food Technol. 21(7): 76-80.
- OF55. McGugan, W.A., and D.B. Emmons. 1967. Unusual flavor defect in cheese similar to the odor of feline urine (*Felis libyca domesticus*). J. Dairy Sci. 50: 1495-1496.
- OF56. Scott, K.R., N.W. Tape, and M.M. Aref. 1967. Pilot plant unit for fluidized-bed freezing and drying. Food Technol. 21(8): 38-44.
- OF57. Siddiqui, I.R., and B. Urbas. 1967. Partial toluene-p-sulphonylation studies of methyl 6-O-trityl- α -D-galactofuranoside. Part 1. Synthesis of 2,5-dimethyl ethers of D-galactose. Carbohydrate Res. 5: 210-217.
- OF58. Sims, R.P.A. 1967. The heart of the problem. Agric. Inst. Rev. 22(6): 21-23.
- OF59. Siddiqui, I.R., and B. Furgala. 1967. Isolation and characterization of oligosaccharins from honey. Part 1. Disaccharides. J. Apic. Res. 6(3): 139-145.
- 1968 OF60. Lermond, M. Elizabeth, and H.A. Hamilton. 1968. The effect of low level Gamma Irradiation on peaches. Food Irradiation 8(4): 2-9.
- OF61. Urbas, B. 1968. Low molecular weight carbohydrates from potato (*Solanum tuberosum*). Can. J. Chem. 46: 49-53.
- OF62. Siddiqui, I.R., and B. Furgala. 1968. Centose: A branched trisaccharide containing α -D-(1 \rightarrow 2) and α -D-(1 \rightarrow 4) glycosidic linkages. Carbohydr. Res. 6: 250-252.
- OF63. Johnston, F.B., and M.M. Hammill. 1968. The non-volatile organic acids of some fresh fruits and vegetables. Canadian Inst. of Food Technol. J. 1: 3-5.
- OF64. Aref, M.M. 1968. The present status of liquid nitrogen freezing of foods. Can. Inst. of Food Technol. J. 1: 11-16.
- OF65. Sims, R.P.A. 1968. The program and philosophy of the Food Research Institute. Can. Inst. of Food Technol. J. 1(1): A14-A17.

(58)

- OF 66. Emmons, D.B., D.C. Beckett, and N.W. Tape. 1968. Frozen and freeze-dried Cottage cheese. Can. Inst. of Food Technol. J. 1: 8-10.
- OF 67. Aref, M.M. 1968. Cryogenic freezing of foods. Can. Food Industries 39(2): 20-24.
- OF 68. Aref, M.M., and N.W. Tape. 1968. Use of maple syrup for wine and liquor production. Can. Food Ind. 39(3): 34-38.
- OF 69. Sims, R.P.A. 1968. Des aliments pour demain. Can. Home Economics J. 18(2): 15-18.
- OF 70. Eapen, K.E., N.W. Tape, and R.P.A. Sims. 1968. New process for the production of better-quality rapeseed oil and meal. I. Effect of heat treatments on enzyme destruction and color of rapeseed oil. J. Amer. Oil Chem. Soc. 45: 194-196.
- OF 71. Yates, A.R., A. Seaman, and M. Woodbine. 1968. Ascospore germination in Byssochlamys nivea in various carbon dioxide atmospheres. Can. J. Microbiol. 14: 319-325.
- OF 72. Lermond, M. Elizabeth. 1968. Sensory evaluation of foods - marketing tool for "repeat" sales. Can. Food Indust. 39(4): 21-27.
- OF 73. Mellors, A. 1968. β -Acetylglucosaminase in bovine milk. Can. J. Biochem. 46: 451-455.
- OF 74. Landerkin, G.B., and A.W. Le Cheminant. 1968. Microbial induction of corrosion in aircraft aluminium alloy sheet. Can. Aeronautics and Space J. 14(4): 131-135.
- OF 75. Scott, K.R., W.K. Phillips, and F.B. Johnston. 1968. Controlled-atmosphere generator for apple storage. Transactions of the Amer. Soc. Agric. Engineers 11(1): 120-122.
- OF 76. Siddiqui, I.R., and B. Furgala. 1968. Isolation and characterisation of oligosaccharides from honey. Part II. Trisaccharides. J. Apic. Res. 7: 51-59.
- OF 77. Elliott, J.A., and H.T. Mulligan. 1968. Pediococci in Canadian Cheddar cheese. Can. Inst. of Food Technol. 1: 61-63.
- OF 78. Siddiqui, I.R., and B. Urbas. 1968. Partial toluene-p-sulphonylation studies of methyl 6-O-trityl-D-galactofuranoside. Part II. Synthesis of 2,5,6- and 3,5,6-trimethyl ethers of D-galactose. Carbohydr. Res. 80: 80-82.
- OF 79. McGugan, W.A., Shirlie G. Howsam, J.A. Elliott, D.B. Emmons, B. Reiter, and M. Elisabeth Sharpe. 1968. Neutral volatiles in Cheddar cheese made aseptically with and without starter culture. J. Dairy Res. 35: 237-245.
- OF 80. Tape, N.W. 1968. Fluidized bed processing. A potential road to - costs and + quality. Can. Food Ind. 39(6): 22-25.

- OF81. Marmon, Elizabeth, A. Petrasovits, E.S. Merritt, and N.W. Tape. 1968. Frozen yeast quality as affected by sex and breed. *J. Food Sci.* 33(4): 21-27. 1968.
- OF82. Stroz, J.J. 1968. Trends in the food industry. *Chem. in Canada* 20(6): 25-30.
- OF83. Poepst, P.A., A.B. Durkee, W.A. McGugan, and F.B. Johnston. 1968. The identification of ethylene in gibberellic acid treated potatoes. *J. Sci. Fd. Agric.* 19: 325-326.
- OF84. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. 1968. Investigation of factors contributing to the bacterial count of bulk-tank milk. I. Influence of two-day storage and effect on results of preliminary incubation. *J. Dairy Sci.* 51: 1182-1187.
- OF85. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. 1968. Investigation of factors contributing to the bacterial count of bulk tank milk. II. Bacteria in milk from individual cows. *J. Dairy Sci.* 51: 1188-1191.
- OF86. Morse, Pamela M., H. Jackson, C.H. McNaughton, A.G. Leggatt, G.B. Landerkin, and C.K. Johns. 1968. Investigation of factors contributing to the bacterial count of bulk-tank milk. III. The build-up in count, from cow to the bulk-tank, and the effects of refrigerated storage and preliminary incubation (13°C/18 hr.). *J. Dairy Sci.* 51: 1192-1206.
- OF87. Yates, A.R., and D.B. Mooney. 1968. Production of pectic enzymes by *Exysochlaena nivea*. *Can. Inst. Food Technol. J.* 1: 106-109.
- OF88. Parups, E.V., and J.D. Jones. 1968. Thin-layer chromatography, ultraviolet and fluorescence spectra of some fluorene-9-carboxylic acid derivatives (morphactins). *J. Chromatog.* 36: 318-324.
- OF89. Perkins, C.K., N.W. Tape, and Z.I. Sabry. 1968. Dehydrated wheat-fish mixtures. *Can. Inst. Food Technol. J.* 1: 113-116.
- OF90. Aref, M.M. 1968. Microwave processing comes of age. *Can. Food Indust.* 39(10): 34-37.
- 1969 OF91. Tape, N.W., and Z.I. Sabry. 1969. The recent marriage of food technology and nutrition. *World review of Nutrition & Dietetics* 10: 1-12.
- OF92. Johnston, F.B., I. Hoffman, and A. Petrasovits. 1968. Distribution of mineral constituents and dry matter in the potato tuber. *Amer. Potato J.* 45(8): 287-292.
- OF93. Durkee, A.B., F.B. Johnston, P.A. Thivierge and P.A. Poepst. 1968. Arbutin and a related glucoside in immature pear fruit. *J. Food Sci.* 33(5): 461-463.
- OF94. Johnston, F.B., L.P. Spangelo, R. Watkins, and M.M. Hammill. 1968. Relationship of sugar, acid and phenolic constituents of apple leaves and fruits. *Can. J. Plant Sci.* 48: 473-477.
- OF95. McKillican, Mary E., R.P.A. Sims, F.B. Johnston, J. Mes. 1968. Low temperature, anaerobic extraction of free and bound lipid from wheat flour. *Cereal Chem.* 45(5): 512-519.

- OF96. Voisey, P., and A. Nunes. 1968. An electronic recording amylograph. Can. Inst. Food Technol. J. 1: 128-132.
- OF97. Johnston, F.B., Branko Urbas, and G. Khanzada. 1968. Effect of storage on the size distribution and amylose-amylopectin ratio in potato starch granules. Amer. Potato J. 45(9): 315-321.
- OF98. Sims, R.P.A., and M. Lepage. 1968. A basis for wheat flour pigment measurement. Cereal Chem. 45: 605-611.
- OF99. Mellors, A., and V.R. Harwalkar. 1968. Glycosidases in bovine milk: α -mannosidase and its inhibition by Zwitterions. Can. J. Biochem. 46: 1351-1356.
- OF100. Lepage, M., and R.P.A. Sims. 1968. Carotenoids of wheat flour. Their identification and composition. Cereal Chem. 45: 600-604.
- OF101. Lepage, M. 1968. The Lipid components of white potato tubers (Solanum tuberosum). Lipids 3: 477-481.
- OF102. Siminovitch, D., B. Rheaume, K. Pomeroy and M. Lepage. 1968. Phospholipid, protein and nucleic acid increases in protoplasm and membrane structures associated with development of extreme freezing resistance in black locust tree cells. Cryobiology 5: 202-225.
- OF103. Harwalkar, V.R. 1968. Electrophoretic differentiation of fresh and incubator reject eggs. J. Can. Inst. Food Technol. 1: 150-153.
- OF104. Tape, N.W. 1968. Is Irradiation dead? Can. Food Indust. 39(12): 30-32.
- OF105. Siddiqui, I.R., and V.L.N. Murty. 1968. Preferential toluene- ρ -sulphonylation of methyl 6-O-trityl- α -D-mannofuranoside: Synthesis of 3,5-di-O-methyl-D-mannose. J. Carbohydr. Res. 8: 477-481.
- OF106. Lepage, M., and R. Boch. 1968. Pollen lipids attractive to honey bees. Lipids 3: 530-534.
- OF107. Siddiqui, I.R. 1969. Preferential toluene- ρ -sulphonylation of methyl 6-O-trityl- α -D-mannofuranoside. Part II. Synthesis of 3,5,6-tri-O-methyl-D-mannose. Carbohydr. Res. 9: 344-346.
- OF108. Eapen, K.E., N.W. Tape, and R.P.A. Sims. 1969. New process for the production of better quality rapeseed oil and meal. II. Detoxification and dehulling of rapesseds - feasibility study. J. Amer. Oil. Chem. Soc. 46: 52-55.
- OF109. Yates, A.R., and M.M. Aref. 1969. Comparison of liquid nitrogen and conventional freezing methods on bacterial count in frozen vegetables. Can. Inst. Food Technol. J. 2: 1-2.
- OF110. Harwalkar, V.R., and D.B. Emmons. 1969. Low-ash lactalbumin as a by-product of lactose production. Can. Inst. Food Technol. J. 2: 9-11.
- OF111. Mellors, A. 1969. The purification and properties of an amino acid amyl- amidase from bovine milk. Can. J. Biochem. 47: 173-178.

- 8 -
- 1970 OF
- OF112. Fejer, S.O., F.B. Johnston, and M.M. Hammill. 1970. Ascorbic acid in red raspberry fruit and leaf. *Naturwissenschaften*. Can. J. Plant Sci. 50: 457-461.
- OF113. Yates, A.R. 1969. Has the mighty microbe been defeated? Can. Food Indust. 40(4): 26-27, 40-41.
- OF114. Poapst, P.A., C. Genier, and M. Schnitzer. 1970. Effect of a soil fulvic acid on stem elongation in peas. Plant and Soil 32: 367-372.
- X115. Aref, M.M. 1969. Improvement of food industries in developing countries. (Alexandria J. of Agric. Res.)
- OF116. Aref, M.M., E.J. Brach, and N.W. Tape. 1969. A pilot plant continuous-process microwave oven. Can. Inst. Food Technol. J. 2: 37-41.
- OF117. Durkee, A.B. and J.D. Jones. 1969. A mild procedure for the extraction and fractionation of anthocyanin proanthocyanin and other polyphenols of apple peel. Phytochemistry 8: 909-9
- OF118. Larmond, M. Elizabeth, A. Petrosovits, and Pamela Hill. 1969. Application of multiple paired comparisons in studying the effect of aging and finish on beef tenderness. Can. J. Animal Sci. 49: 51-58.
- OF119. Murty, V.L.N., and I.R. Siddiqui. 1969. Toluene-p-sulphonylation of methyl 6-O-trityl-D-mannopyranoside. Synthesis of 2,4-di-O-methyl-D-mannose. Carbohydr. Res. 10: 477-480.
- OF120. Voisey, P.W., N.W. Tape and M. Kloek. 1969. Physical properties of the potato tuber. Can. Inst. Food Technol. J. 2: 98-103.
- OF121. Watanabe, W. and N.W. Tape. 1969. Microwave processing of wieners. I. Composition and method of preparation. Can. Inst. Food Technol. 2: 64-68.
- OF122. Yates, A.R. 1969. Process biochemistry. Can. Food Industr. 40(7): 20-23.
- OF123. Johnston, F.B., L.P. Spangelo, R. Watkins and Madeleine M. Hammill. 1969. Compositional and fruit quality relationships in apple fruit and leaves. Can. J. Plant Sci. 49: 403-407.
- OF124. Stroz, J. 1969. Oilseeds - Food resource of the future. Can. Food Industr. 40(5): 33-38.
- OF125. Murty, V.L.N. and I.R. Siddiqui. 1969. Synthesis of the 2,3- and 3,4-dimethyl ethers of D-mannose. Carbohydr. Res. 11: 273-275.

- OF126. Tape, N.W. 1968. Preservation of foods. Can. Food Ind. 41(8): 29-31.
- OF127. Watanabe, W., and N.W. Tape. 1969. Microwave processing of wieners. II, Effect on micro-organisms. Can. Inst. Food Technol. J. 2: 104-107.
- OF128. Aref, M.M., and F.E. Payne. 1969. Poultry freezer-burn. A review. Can. Food Industr. 40(10): 26-27, 35-36.
- OF129. Tape, N.W. 1969. Food processing - a nutritional problem? Can. Food Industr. 40(12): 36-38.
- OF130. Poapst et al. 1970. Root-differentiating properties of some glycosides. J. Hort. Sci. 45: 69-74.
- OF131. Moran, E.T., Jr., Orr, H.L., and Elizabeth Larmond. 1970. Dressing, grading and meat yields with broiler chicken breed. Food Technol. 24: 73-78.
- OF132. Johns, C.K., and G.B. Landerskin. 1969. Effects of preliminary incubation on the bacterial flora of bulk tank milks produced in three different Canadian milk sheds. J. Dairy Sci. 52: 1935-1940.
- OF133. Watanabe, W., N.W. Tape, and Elizabeth Larmond. 1969. Gamma irradiation of commercial and microwave processed wieners. Can. Inst. Food Technol. 2: 181-184.
- OF134. Larmond, Elizabeth, and Edwin T. Moran, Jr. 1969. Eating quality of chicken broilers as influenced by age and sex. Can. Inst. Food Technol. J. 2: 185-187.
- OF135. Aref, M.M. 1970. Low temperature preservation of foods. Can. Food Industr. 41(12): 39-41.
- OF136. Kalab, M. 1970. Factors affecting the Ellman determination of sulphydryl in skimmilk powder and gels. J. Dairy Sci. 53: 711-718.
- OF137. Emmons, D.B., M.E. Larmond, and D.C. Beckett. 1970. Milk-based puddings and custards. Modern Dairy 49(3): 17-21.
- OF138. Johnston, F.B., E. Kankars and A.C. Nunes. 1970. Starch and dry matter in potatoes and their relation to French-fry texture. Amer. Potato J. 47(3): 87-93.
- OF139. Tape, N.W. 1970. Rapeseed - Canada's Soybean. Canadian Food Industr. 41(5): 45-49.
- OF140. Larmond, Elizabeth, E.T. Moran, Jr., and Chong ik Kim. 1970. Eating quality of two basic breeds of broiler chickens and their crosses. Can. Inst. Food Technol. J. 3: 63-65.
- OF141. Sims, R.P.A. 1970. Gambling on goodness. Can. Food Industr. 41(6): 50-52.

(63)

- OF142. McKillican, M.E. and J.A.G. Larose. 1970. Residual lipids of hexane-extracted rapeseed meal. *J. Amer. Oil Chem. Soc.* 47: 256-258.
- OF143. Emmons, D.B. 1970. Inactivation of pepsin in hard water. *J. Dairy Sci.* 53: 1177-1182.
- OF144. Tape, N.W., Z.I. Sabry, K.E. Eapen. 1970. Production of rapeseed flour for human consumption. *Can. Inst. Food Technol. J.* 3: 78-81.
- OF145. Wood, P.J., I.R. Siddiqui, J.W. Vandermeer and T.A. Gochnauer. 1970. Carbohydrates of Nosema apis spores. *Carbohydr. Res.* 15: 154-158.
- OF146. Moran, E.T., Jr., H.L. Orr and E. Larmond. 1970. Production efficiency, grades and yields with the large white turkey as related to sex and age. *Poultry Sci.* XLIX(2): 475-493.
- OF147. Tape, N.W. 1970. Application of microwave energy in food manufacture. *Can. Inst. Food Technol. J.* 3: 39-43.
- OF148. Poapst, P.A. and C. Genier. 1970. A storage disorder in Kennebec potatoes caused by high concentrations of maleic hydrazide. *Can. J. Plant Sci.* 50: 591-593.
- 1971/149. OF Durkee, A.B. 1971. The nature of tannin in rapeseed (*Brassica campestris*). *Phytochemistry J.* 10: 1583-1585.
- OF150. Dean, P., F.G. Proudfoot, Elizabeth Larmond, and J.R. Aitken. 1971. Effect of feeding diets containing white fish meal on acceptability and flavor intensity of roasted broiler chickens. *Can. J. Animal Sci.* 51: 15-20. ~~1971~~
- OF151. Siddiqui, I.R. and P.J. Wood. 1971. DEAE-cellulose carbonate form, a useful medium for fractionating polysaccharides. *Carbohydr. Res.* 16: 452-454.
- OF152. Poapst, P.A. and M. Schnitzer. 1971. Fulvic acid and adventitious root formation. *Soil Biology Biochem.* 3: 215-219.
- OF153. Wood, P.J. and I.R. Siddiqui. 1971. Determination of methanol and its application to measurement of pectin ester content and pectin methyl esterase activity. *J. Analyt. Biochem.* 39: 418-428.
- OF154. Harwalkar, V.R. and J.A. Elliott. 1971. Isolation of bitter and astringent fractions from Cheddar cheese. *J. Dairy Sci.* 54: 3-11.
- OF155. Harwalkar, V.R. and E.W. Seitz. 1971. Production of bitter flavor components by lactic cultures. *J. Dairy Sci.* 54: 12-14.

- OF 157. Elliott, J.A. and D.B. Emmons. 1971. Rennin detection in cheese with the passive indirect hemagglutination test. Can. Inst. Food Technol. J. 4: 16-18.
- OF 158. Malab, M., Voissey, P.W. and Emmons, D.B. 1971. Heat-induced milk gels. III. Preparation of gels and measurement of firmness. J. Dairy Sci. 54: 179-181.
- OF 159. Emmons, D.B., A. Petrasovits, R.H. Gillan and J.M. Bain. 1971. Cheddar cheese manufacture with papain and rennet. Can. Inst. Food Technol. J. 4: 31-37.
- OF 160. Siddiqui, I.R. and P.J. Wood. 1971. Structural investigation of water-soluble rape seed (*Brassica campestris*) polysaccharides. Part 1. Rape seed amyloid. Carbohyd. Res. 17: 97-106.
- OF 161. Malab, M., D.B. Emmons and P.W. Voissey. 1971. Heat-induced milk gels. III. Physical factors influencing the firmness. J. Dairy Sci. 54(5): 638-642.
- OF 162. Larmond, Elizabeth, A. Petrasovits and E.T. Moran, Jr. 1971. Breeding quality of large white turkeys as influenced by age and sex. Can. Inst. Food Technol. J. 4: 75-79.
- OF 163. Wood, P.J. and I.R. Siddiqui. 1971. Gas-liquid chromatography of butaneboronates of carbohydrates and their trimethylsilyl ethers. Carbohyd. Res. 19: 283-286.
- OF 164. Emmons, D.B., Elizabeth Larmond and D.C. Beckett. 1971. Determining total solids in foods using a large sample freeze-drier and vacuum-oven. J. of the Assoc. of Official Analytical Chemists. 54: 1403-1405.
- OF 165. Sims, R.P.A. 1971. Edible protein products from cruciferae seed meals. J. Amer. Oil Chem. Soc. 48: 733-736.
- 972 OF 166. Wood, P.J. and I.R. Siddiqui. 1972. Isolation and structural studies of water-soluble galactan from potato (*Solanum tuberosum*) tubers. Carbohyd. Res. 22: 212-220.
- OF 167. McGugan, W.A. and Shirlie Hoveam. 1971. Loss of flavor components in glc columns and a test for its occurrence. J. Agric. and Food Chem.
- OF 168. Moran, E.T., Jr., H.L. Orr and E. Larmond. 1971. Sex and age related production efficiency, grades and yields with small white broiler-fryer type turkey. Poultry Sci. 50: 411-425.

- 12
- OF 169. Emmons, D.B. 1972. A review of recent and current research activity in relation to the dairy processing field. *Food in Canada* 34(4): 62-64.
- OF 170. Aref, M.M. 1972. Inactivation of Alpha-Amylase in wheat flour with microwaves. *J. Microwave Power*. 7(3): 215-221.
- OF 171. Harwalkar, V.R. 1972. Characterization of an astringent flavor fraction from Cheddar cheese. *J. Dairy Sci.* 55: 735-741.
- OF 172. Harwalkar, V.R. 1972. Influence of hydrogen ion concentration on extractability and flavour of bitter and astringent flavour components from Cheddar cheese and cultured milk. *J. Dairy Sci.* 55: 742-743.
- OF 173. Emmons, D.B., D.C. Beckett and Elizabeth Larmond. 1972. Physical properties and storage stability of milk-based puddings made with various starches and stabilizers. *Can. Inst. Food Technol. J.* 5:72-76.
- OF 174. Emmons, D.B. 1972. The Dairy Industry. New developments in products, processing and packaging. *Food in Canada* 34(5):30-32.
- OF 175. Hope, G.W. and D.G. Vitali. 1972. Osmotic dehydration - A simple method of preserving bananas, mangoes and plantain. *J. Bullet. Internat. Develop. Res. Centre. IDRC Monograph -004e.*
- OF 176. Kalab, M., G.H. Anderson and R.P.A. Sims. 1972. Heat-induced milk gels. IV. Nutritional evaluation. *J. Dairy Sci.* 55:1073-10
- X 177. Leslie, A.J., J.D. Summers and J.D. Jones. 19 . Characterization of rapeseed components. *Can. J. Anim. Sci.*
- OF 178. Siddiqui, I.R. and P.J. Wood. Structural investigation of water-soluble rapeseed (*Brassica Campestris*) Polysaccharides. Part II. An acidic arabinogalactan. *Carohyd. Res.* 24:1-9. 1972.
- OF 179. Kalab, M. and D.B. Emmons. 1972. Heat-induced milk gels. V. Some chemical factors influencing the firmness. *J. Dairy Sci.* 55: 1225-1231.
- OF 180. Harwalkar, V.R. 1972 . Isolation and partial characterization of an astringent fraction from milk. *J. Dairy Sci.* 55:1400-1404.
- OF 181. Larmond, Elizabeth and A. Petrasovits. 1972 . Relationship between Warner-Bratzler and Sensory Determinations of beef tenderness by the method of paired comparisons. *Can. Inst. Food Technol. J.* 5: 138-144.
- X 182. Svejda, F.J. and P.A. Poapst. 197 . Effect of different after-ripening treatments on germination and endogenous growth factors in Rosa Rugosa. *Can. J. Plant Sci.*

(66)

169. Emmons, D.B. 1972. A review of recent and current research activity in relation to the dairy processing field. *Food in Canada* 34(4): 62-64.
170. Aref, M.M. 1972. Inactivation of Alpha-Amylase in wheat flour with microwaves. *J. Microwave Power*. 7(3): 215-221.
171. Harwalkar, V.R. 1972. Characterization of an astringent flavor fraction from Cheddar cheese. *J. Dairy Sci.* 55: 735-741.
172. Harwalkar, V.R. 1972. Influence of hydrogen ion concentration on extractability and flavor of bitter and astringent flavor components from Cheddar cheese and cultured milk. *J. Dairy Sci.* 55: 742-743.
173. Emmons, D.B., D.C. Beckett and Elizabeth Larmond. 1972. Physical properties and storage stability of milk-based puddings made with various starches and stabilizers. *Can. Inst. Food Technol. J.* 5: 72-76.
174. Emmons, D.B. 1972. The Dairy Industry. New developments in products, processing and packaging. *Food in Canada* 34(5): 30-32.
175. Hope, G.W. and D.G. Vitali. 1972. Osmotic dehydration - A simple method of preserving bananas, mangoes and plaintain. *J. Bulletin Intern. Develop. Res. Centre. IDRC Monograph -004e.*
176. Kalab, M., G.H. Anderson and R.P.A. Sims. 1972. Heat-induced milk gels. IV. Nutritional evaluation. *J. Dairy Sci.* 55: 1073-1076.
177. Leslie, A.J., J.D. Summers and J.D. Jones. 197 . Characterization of rapeseed components. *Can. J. Anim. Sci.*
178. Siddiqui, I.R. and P.J. Wood. 1972. Structural investigation of water-soluble rapeseed (*Brassica Campestris*) Polysaccharides. II. An acidic arabinogalactan. *Carbohydr. Res.* 24: 1-9.
179. Kalab, M. and D.B. Emmons. 1972. Heat-induced milk gels. V. Some chemical factors influencing the firmness. *J. Dairy Sci.* 55: 1225-1231.
180. Harwalkar, V.R. 1972. Isolation and partial characterization of an astringent fraction from milk. *J. Dairy Sci.* 55: 1400-1404.
181. Larmond, Elizabeth and A. Petrasovits. 1972. Relationship between Warner-Bratzler and sensory determinations of beef tenderness by the method of paired comparisons. *Can. Inst. Food Technol. J.* 5: 138-144.
182. Fejer, S.O., F.B. Johnston and M.M. Hammill. 197 . The inheritance of ascorbic acid in red raspberry. *Can. J. Genet. and Cyt.*

183 Voisey, Peter W. and Elizabeth Larmond. 197 . Exploratory evaluation of instrumental techniques for measuring some textural characteristics of cooked spaghetti. Cereal Sci. Today

184. Svejda, F.J. and P.A. Poapst. 1972. Effects of different after-ripening treatments on germination and endogenous growth inhibitors in Rosa Rugosa. Plant Sci.
185. Elliott, J.A. and D.B. Emmons. Sediment in milk pouches - A market milk defect. Modern Dairy.
186. Quinn, J.R. Conversion of bovine myoglobin into multiple, charge-Heterogeneous subfractions. J. Food Science.
187. Larmond, E., J. Gilbert & E. Todd. Temperature effect on the organoleptic quality of barbecued chickens. Food Science.
188. Quinn, J.R. 197. The reduction of ferric myoglobin by Amphonine on acrylamide gel electrofocusing. J. Chromatog.

(68)