AUTHOR INDEX OF ABSTRACTS

ABBOTT, C. H., machine for cleaning separator disks, A7
ABMA, R. R., dry skimmilk in breadmaking, A33
ACTON, R. D., self-washing separator, A23
ADAMS, F., precut ice cream cake mold, A27
ADLER, L., butter coloring tablet, A74
ALTMANN, S. W., WIA of continuous churned butter, A22
AIKEN, W. H., resistant sheeting from casein, A78
ALBERTS, R., future of milk solids, A91
ALBERTY, R. A., binding of chloride ion to bovine serum albumin, A4
ALIFAX, R., phosphatase activity in cheese, A10
ALISON, F., detecting the addition of cow's milk to mother's milk, A78
ALLCROFT, R., lead poisoning in cattle and sheep, A5
ALLELMH, R. J., B2 from fermenting plant proteins, A44
ALSTRAND, D. V., sterilizing canned foods, A78
AMBERSON, J. M., mastitis due to Cryptococcus neoformans, A63
ANDERSON, A., central control for multi-dryer operation, A49
ANDERSON, A. E., cow stanchion, A54
ANDERSON, D., skin grafting between bovine twins, A59
ANDERSON, E. O., microscopic grading of raw milk, A43
ANDERSON, G., ice cream hardening room design, A51
ANDERSON, G. W., prophylactic for calf scours, A44
ANDERSON, K. L., performance of Danish HTST pasteurizer, A35
ANDERSON, Z. E., need for fat in diet, A85
ANDRE, E. R., milk defoamer for bottles, A83
ANGELIN, N. G., cottage cheese manufacture, A76
ANONYMOUS, a liquor ice, A95; automatic process for ice cream bar, A13; automatic process for ice cream sandwiches, A13; bulk ice cream in dips, A82; cheese food product, A17; chocolate milk in school lunchroom, A56; citrus flavor for ice cream, A69; cold milk separators, A11; control of mold growth on cheese, A42; creative milk processing, A79; dairy cleaning techniques, A83; flavor for ice cream, A68; fluoridated milk, A84; frozen orange concentrate on milk routes, A11; Gerber fat test for milk, A34; high fat ice cream, A12, A69; ice-cream-arteria, A14; ice cream bon-bons, A13; ice cream cost trends, A12; ice cream flavor preference, A94; ice cream on retail routes, A38; ice cream on retail milk routes, A46;

ice cream parfait pie, A69; ice cream sales analysis, A60; ice cream vendors, A27; insulating overwrap for ice cream carton, A13, A27, A60; legal definition for vegetable fat frozen dessert, A14; low-fat, high-protein ice milk, A60; mechanically refrigerated rail cars for milk, A51; milk sales in half-gallon containers, A55; milk sanitation honor roll, A61; milk venders, A11, A84; novel ice cream retail outlet, A82; nutritional value of chocolate milk, A29; power take off unit for refrigerating trucks, A46; reducing delivery costs, A53; reflective insulation for milk storage rooms, A51; retail ice cream prices, A70; salesmen's auto expense allowance, A79; selling ice cream in food stores, A69; state ice cream standards for 1951, A14; vegetable-fat frozen dessert, A70; walk-in ice cream delivery truck, A13; Yogurt sherbet, A95

BARRICKLE, W. S., HTST mix pasteurization, A26; stabilized fruit for ice cream, A69
ARNOTT, D. R. L., non-washed butter, A74
ARONSON, A. S., statistics and ice cream management, A11
ASSELSTINE, H. G., pushbutton liquid mixing, A94
ASSOCIATION of Food Industry Sanitarians, Inc., Sanitation for the Food Preservation Industries, A49
ATTERLING, J. W. L., test milking apparatus, A44
AVERT, D. W., ice cream can holder, A82
AULL, W. F., Jr., stabilizers for variegated ice cream, A44
AVIDOR, J., whey protein in process cheese, A75
AYRES, D. F., milking machine, A44

BABAD, J., whey protein in process cheese, A75
BACCOCK, S. M., coliform organisms in dairy products, A18
BAIN, J. M., making Canadian cheddar cheese, A75
BAKER, B. E., hydrolysis of casein, A78; sulfite liquor as whey protein precipitant, A11
BAKER, M. L., dwarf Aberdeen-Angus cattle, A93
BALDAUSKI, F. A., chemicals from milk, A93
BALDWIN, R. K., effect of heat on amino acids of casein, A6
BALLARIN, O., equilibrium systems in milk, A90
BALMAIN, J. H., effect of insulin on fat synthesis, A97
BARBER, F. W., evaluation of pasteurization efficiency, A9; HTST ice cream mix pasteurization, A12; mix pasteurization in vacreator, A26

1 Prepared by D. D. Deane.
<table>
<thead>
<tr>
<th>Author</th>
<th>Title and Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>CODIGA, S. M.</td>
<td>milk can punch, A18</td>
</tr>
<tr>
<td>COE, M. R.</td>
<td>dairy products container, A70</td>
</tr>
<tr>
<td>COEIN, G. E.</td>
<td>binding of fatty acids to bovine serum albumin, A4</td>
</tr>
<tr>
<td>COHEN, C.</td>
<td>cheese hoop, A49</td>
</tr>
<tr>
<td>COHEN, M. L.</td>
<td>cheese hoop, A49</td>
</tr>
<tr>
<td>COHN, M. M.</td>
<td>improving city milk supply, A19</td>
</tr>
<tr>
<td>COLE, M. W.</td>
<td>heat processing by steam injection, A35</td>
</tr>
<tr>
<td>CONKLIN, D. B.</td>
<td>field test for quaternaries, A47</td>
</tr>
<tr>
<td>CONKLIN, S.</td>
<td>refrigerated cabinet for composite samples, A28</td>
</tr>
<tr>
<td>CONNER, J. F.</td>
<td>milk can holder, A76</td>
</tr>
<tr>
<td>COOK, R. H.</td>
<td>bovine hyperkeratosis, Al</td>
</tr>
<tr>
<td>COON, H. R., SR.</td>
<td>print butter wrapper, A57</td>
</tr>
<tr>
<td>CORNELL, F. G., JR.</td>
<td>milk tank agitator shaft seal, A66</td>
</tr>
<tr>
<td>COULTER, S. T.</td>
<td>shrinkage in ice cream, A37, A45, A82; spray-drying apparatus, A16</td>
</tr>
<tr>
<td>COURTNEY, J. L.</td>
<td>average standard plate count ratios, A10</td>
</tr>
<tr>
<td>COVE, A. T.</td>
<td>milk fat synthesis, A97</td>
</tr>
<tr>
<td>COX, G. A.</td>
<td>bacterial inhibition by bacteriophage, A50</td>
</tr>
<tr>
<td>CRAIGE, A. H.</td>
<td>fractionation of blood calcium, A43</td>
</tr>
<tr>
<td>CRATER, W. E.</td>
<td>milk can and lid, A81</td>
</tr>
<tr>
<td>CRANE, C. S.</td>
<td>bovine nose tattooing device, A59</td>
</tr>
<tr>
<td>CUNNINGHAM, G. L.</td>
<td>concentrating milk by cold, A76</td>
</tr>
<tr>
<td>DAHLE, C. D.</td>
<td>stabilizers for variegated ice cream, A44</td>
</tr>
<tr>
<td>DAILY, S.</td>
<td>pipe line milking system, A81</td>
</tr>
<tr>
<td>DAM, B. VAN</td>
<td>dry skim milk in breadmaking, A33</td>
</tr>
<tr>
<td>DAVIS, B. D.</td>
<td>binding of fatty acids to bovine serum albumin, A4</td>
</tr>
<tr>
<td>DAVIS, J. G.</td>
<td>Milk Testing, A73</td>
</tr>
<tr>
<td>DAVIS, L. L.</td>
<td>black walnut oil for ice cream, A26</td>
</tr>
<tr>
<td>DEAL, J. F.</td>
<td>ladino clover and milk flavor, A91</td>
</tr>
<tr>
<td>DECK, E. M.</td>
<td>vegetable oils in frozen desserts, A95</td>
</tr>
<tr>
<td>DEGRAFF, H.</td>
<td>nutritive value of milk and sales promotion, A61</td>
</tr>
<tr>
<td>DELAYA, H. M.</td>
<td>delayed cooling of milk and bacterial growth, A50</td>
</tr>
<tr>
<td>DEMETER, K. J.</td>
<td>dairy bacteriology problems, A89</td>
</tr>
<tr>
<td>DEMOTT, B. J.</td>
<td>clarifying market milk, A27</td>
</tr>
<tr>
<td>DESMET, F.</td>
<td>Gerber fat test for cheese, A21</td>
</tr>
<tr>
<td>DIATCENKO, P.</td>
<td>albumins and butter storage quality, A16</td>
</tr>
<tr>
<td>DIETERT, H. W.</td>
<td>moisture tester, A58</td>
</tr>
<tr>
<td>DONALD, H. P.</td>
<td>monozygotic bovine quadruplets, A39</td>
</tr>
<tr>
<td>DONOVAN, W. F.</td>
<td>fresh concentrated milk, A34</td>
</tr>
<tr>
<td>DÖRING, H.</td>
<td>body weight and milk production, A5</td>
</tr>
<tr>
<td>DOWE, R. A.</td>
<td>bovine nose tattooing device, A59</td>
</tr>
<tr>
<td>DUNCAN, G. R.</td>
<td>milk cooler, A94; refrigerated cabinet milk cooler, A93</td>
</tr>
<tr>
<td>DUNCOMBE, W. G.</td>
<td>milk fat synthesis, A97</td>
</tr>
<tr>
<td>DUNKLEY, W. L.</td>
<td>sediment control in homogenized milk, A28</td>
</tr>
<tr>
<td>DUPRE, W. M.</td>
<td>prophylactic for calf scours, A44</td>
</tr>
<tr>
<td>EASTERBROOKS, H. L.</td>
<td>antibiotic treatment of semen, A67; effect of antibiotics in semen on V. fetus, A67; vibriosis in cattle, A63</td>
</tr>
<tr>
<td>EATON, W. A.</td>
<td>paper milk carton, A70</td>
</tr>
<tr>
<td>ECKLUND, O. F.</td>
<td>sterilizing canned foods, A78</td>
</tr>
<tr>
<td>ECKSTEIN, C.</td>
<td>milk cooling device on milking machine, A94</td>
</tr>
<tr>
<td>EDINGSTON, B. H.</td>
<td>bovine brucellosis treatment, A63</td>
</tr>
<tr>
<td>EDMAN, G.</td>
<td>insulated ice cream bags, A38</td>
</tr>
<tr>
<td>EDWARD, D. G., ff.</td>
<td>pleuropneumonia-like organism from bovine genital tract, A15</td>
</tr>
<tr>
<td>EDWARDS, D. W.</td>
<td>artificial insemination device, A54</td>
</tr>
<tr>
<td>EGGERS, G.</td>
<td>two-phase theory of milk secretion, A29</td>
</tr>
<tr>
<td>ELLIKER, P. R.</td>
<td>bacterial spoilage of cottage cheese, A49</td>
</tr>
<tr>
<td>ELLIS, D.</td>
<td>calf thymus tripeptide, A30</td>
</tr>
<tr>
<td>ELRIDGE, F. E.</td>
<td>sydactylism in cattle, A34</td>
</tr>
<tr>
<td>ENGLAND, C. W.</td>
<td>overrun control, A69</td>
</tr>
<tr>
<td>ENGLE, C. E.</td>
<td>milk can punch, A18</td>
</tr>
<tr>
<td>EPSTEIN, E.</td>
<td>nisin assay method, A34</td>
</tr>
<tr>
<td>ERDMAN, I. E.</td>
<td>psychrophilic bacteria in milk and cream, A9</td>
</tr>
<tr>
<td>ERICKSON, C.</td>
<td>frozen confection apparatus, A44</td>
</tr>
<tr>
<td>EVANS, H. M.</td>
<td>can puncturing device, A88</td>
</tr>
<tr>
<td>FABER, J. E., JR.</td>
<td>mastitis organisms and equipment disinfection, A65</td>
</tr>
<tr>
<td>FARNHAM, G. V.</td>
<td>butter dispenser, A75</td>
</tr>
<tr>
<td>FARNHAM, M. G.</td>
<td>enzymes in cheese industry, A17</td>
</tr>
<tr>
<td>FARRALL, A. W.</td>
<td>electric dry-box farm cream coolers, A16, A87</td>
</tr>
<tr>
<td>FASCHING, L. F.</td>
<td>milking machine hanger, A81</td>
</tr>
<tr>
<td>FAULKNER, J. D.</td>
<td>milk control planning for disaster, A83</td>
</tr>
<tr>
<td>FEE, D. C.</td>
<td>sanitary milk bottle capping head, A52</td>
</tr>
<tr>
<td>FISHER, K. C.</td>
<td>price and profit relationship in ice cream, A53</td>
</tr>
<tr>
<td>FISKE, F. H.</td>
<td>sanitation study of milk shakes, A95</td>
</tr>
<tr>
<td>FLEISHMAN, F. F., JR.</td>
<td>cleaning permanent pipelines, A85; glass pipelines, A30</td>
</tr>
<tr>
<td>FLEMING, W. M.</td>
<td>paper container for liquids, A39</td>
</tr>
</tbody>
</table>
FLORA, C. C., black walnut oil for ice cream, A26
FOLLEY, S. J., effect of insulin on fat synthesis, A97; milk fat synthesis, A97
FOLTZ, V. D., bacteriology of margarine, A3
FORGEY, G. W., flexible cheese wrapper, A75
FOREST, H. L., federal pricing program for dairy products, A23
FOWLER, J. O., sterilizing bottled milk, A88
FRAENKEL, G., sources of vitamin B12, A61
FREEMAN, T. R., cheese ripening, A75
FRENCH, C. E., streamlining receiving operations, A52
FRENCH, T. H., milk fatty acid synthesis by goats, A39; lactose synthesis from glucose, A71; milk fat synthesis, A97
FRENTZELL, H. C., sanitary milk bottle capping head, A52
FRIEDMAN, B., nisin assay method, A34
FRUTON, J. S., calf thymus tripeptidase, A30
GADEN, E. L., Jr., preserving milk by radiation, A28
GALESLOOT, Th. E., catalase test for butter, A87; gas in cheese from Leuconostoc species, A89
GALLOWAY, E. J., milk strainer, A6
GARIEPY, V., teat dilator, A59
GAVUMITZ, E. W., cheese industry trends, A17
GELPI, A. J., Jr., control of mold on cheese, A42
GEMMILL, A. V., ice cream plant modernization, A59
GENIN, G., lactose recovery by ion exchange, A21
GENNARO, E. L., pro and con of retail delivery, A53
GIBSON, D. L., non-washed butter, A74; reconstituting dry milk, A33
GIER, E. A., extraneous matter in butter, A73
GILMORE, A. V., ice cream plant modernization, A59
GOLDBLITH, S. A., evaluating food irradiation, A43
GOLDBEN, B. L., dehorning paste applicator, A25
GOODWIN, T. W., parturition and vitamin A blood levels, A35
GORDON, H. C., cold-wall milk cooling tank, A93
GOUR, L. A., effect of heat on milk constituents, A21
GRIMM, A. L., moisture tester, A58
GRAHAM, W. R., iodinating proteins, A44
GRANVILLE, A., Gerber fat test for cheese, A21
GREENE, V. W., non-washed butter, A74
GRELL, W., increasing butter consumption, A87
GRINDROD, G., cocoa-milk beverage concentrate, A56
GROB, M. L., can holder and punch, A76
GROENING, C., homogenizer, A36
GROVES, M. L., separation of alpha-casein, A4
GRÜNFELT, A., whey protein in process cheese, A75
GUILLERMO, A., preparation of lysozyme, A58
GUNNERNER, W. E., automatic half gallon packager, A95
GYORGY, P., ed., Vitamin Methods, vol. II, A73

HAMMERLE, O. A., evaluation of food irradiation, A43
HANKINSON, D. J., oxidized flavor in milk, A97
HANNAY, C. L., yellow pigmented fluid in milk, A21
HANSEN, H. C., clarifying market milk, A27; fat tests on ice cream mixes, A21
HANSON, C. T., B2 from fermenting plant proteins, A44
HANSON, H. G., national program for interstate milk shipments, A60
HARDING, H. G., liquid industrial waste treatment, A52
HARE, J. H., sulphite liquor as whey protein precipitant, A11
HARMON, C. H., cattle watering device, A37
HARP, L. C., milk agitator for milk can, A37
HARRISON, T. B., continuous buttermaking, A87
HARSTICK, W. W., self-cleaning separator, A23; milking machine trap, A25
HARTMAN, L., peroxide determination in fats, A57
HAYWOOD, M. P., bacteria on food handlers' hands, A3
HASKELL, W. H., cleaning of permanent pipelines, A30; coliform bacteria in pasteurized milk, A50
HAVIGHORST, C. R., canned fresh milk, A61
HAYES, R. W., animal food supplement, A88
HAYNES, V. M., non-fat dry milk solids in bread, A6
HEIDE, H. R. E., milk bottle rack, A28
HELDENBRAND, L. E., animal restraining device, A59
HEMLER, V. H., sterilizing canned foods, A78
HENDESSERER, P. L., carton for making ice cream sandwiches, A55
HINLEY, E. J., preserving milk by radiation, A28
HENRARD, F. J. J., metallic surface for churns, A2
HENRICK, J. B., changes in bovine cervical mucus, A37
HERRING, R. L., milk examining pan, A37

ARTHRITIS, S. H., arthritis as an occupational hazard, A21
HERRICK, J. B., changes in bovine cervical mucus, A37
HINLEY, E. J., preserving milk by radiation, A28
HENRARD, F. J. J., metallic surface for churns, A2
HENRICK, J. B., changes in bovine cervical mucus, A37
HERRING, R. L., milk examining pan, A37
Hess, B., mode of action of thyroxin, A30
Hignett, P. G., Ca and P intake and fertility of cattle, A5; P intake and heifer fertility, A68
Hignett, S. L., Ca and P intake and fertility of cattle, A5; P intake and heifer fertility, A68
Hillig, F., effect of excess alkali in WIA determination, A22; WIA of continuous churned butter, A22
Hintz, O. E., pipe-line milking system, A81
Hipp, N. J., separation of alpha-casein, A4
Hirsch, A., antibiotic from lactobacilli, A20; assay methods for nisin, A20; lytic enzyme from lactic streptococci, A19; nisin and pig growth, A57; nisin production by S. lactis, A19
Hodes, H. P., mix pasteurization in vacreator, A26
Hodger, H. M., B12 from fermenting plant proteins, A44
Hodgson, F. G., milk strainer, A37
Hoehl, O., metallic ions in water, A66
Holdaway, C. W., black walnut oil for ice cream, A26
Holland, R. F., glass pipelines, A30
Holm, G. E., need for dairy research, A80
Holm, V., oily flavor in butter, A65
Holt, A. F., sulfanilamide and semen fertility, A67
Honore, R., circulation cleaning of milk plant equipment, A46
Hood, E. G., bacterial spoilage of process cheese, A78
Hoogm, G. de, titration curve of skimmilk, A90
Hoover, R. D., iodinating proteins, A44
Hoofer, S. R., recovery of milk proteins, A77
Hopson, G., future of pen-type barn, A24
Hornung, R. H., synthetic preformed bottle cap, A83
Horton, R., method of making ice cream, A6
Housewater, H. W., milk can cooler, A45
Hovey, V. F., Jr., promoting half-gallon ice cream sales, A14
Hovey, V. F., Sr., building ice cream bulk sales, A70
Huback, E. F., infrared-ray butter softener, A57
Hull, M. E., protein recovery from whey, A58
Hunter, R. W., oxidized flavor in milk, A97
Hunter, G. D., milk fatty acid synthesis by goats, A88
Hunter, G. J. E., bacterial inhibition by bacteria phage, A50
Hutchings, L. M., susceptibility of Br. abortus vaccinated cattle to Br. suis, A41
Hvidsten, H., feed and oxidized flavor in milk, A67
Ingles, J. D., lactalbumin purification, A90
Irvin, O. R., extraneous matter in cheese, A75
Irwin, E. M., emulsifying apparatus, A36; ice cream freezer, A68
Jack, E. L., non-fat dry milk solids in bread, A6
Jacobs, M. G., ed., The Chemistry and Technology of Food and Food Products, vol. 1, 2 and 3, 2nd ed., A73
Jacobs, S. S., lip protector on paper milk bottle, A96
Jacquet, J., red camembert cheese, A64
Jaeger, R. F., mastitis due to Cryptococcus neoformans, A63
Jagenburg, E. R., production of frozen banana puree, A54
Jansse, L. C., composition of Frisian milk, A90
Jensen, C. U., reconstituting dry milk, A33
Johannsson, I., heritability of udder symmetry, A92
Johannsson, Z. A. E., milk-can filler, A81
Johns, A. T., mechanism of propionic acid formation, A20; propionic acid formation by Cl. propionicum, A50; propionic acid production by Veillonella gazogenes, A20
Johns, C. K., dye reduction tests on refrigerated milk, A43; lye solution for milking machine rubber parts, A7; use of chemical germicides, A50
Johnson, A. H., sales merchandizing, A79
Johnson, D. O., milk powder conveyer, A33
Johnson, G. R., progress in milk plant design, A78; single- or multiple-floor plant design, A52
Johnson, H. W., agar dispenser for test tubes, A21; johnin test on cattle, A1
Jones, J. P., paper milk bottle with cream dispenser, A84
Jordan, P., structure of protein molecules, A89
Joyner, L. P., T. foetus transmission during semen collections, A68
Julien, J. F., iron content of butter, A74
Kahlert, W. G., collecting bag for animals, A37
Kaulfleisch, W., dairy barn ventilation, A21; moisture determination of feeds, A80
Kappri, J., plastic mold for frozen confection, A27
Karn, R. H., brucellosis survey, A15
Kastens, M. L., chemicals from milk, A77
Katura, M., aerobic bacteria in rumen, A92; cellulosyic power of rumen contents, A92
Kayat, E., paper container filler for liquids, A39
Keiling, J., rotten spots on surface of hard cheeses, A71
Kentie, A., fatty acids of summer butter, A90
Kimball, T. L., bakers cheese making, A42
King, N., birefringent layer of fat globules, A87; microscopic examination of milk powder, A33; structure of Alfa butter, A1
King, N. B., bovine brucellosis treatment, A63
Kingston, J. A., milking machine, A91
Kipper, A. E., mixing machine for milk drinks, A55
Kirchoff, G. F., dating bottled milk, A55
A114 AUTHOR INDEX OF ABSTRACTS

KITZES, A. S., spray-drying apparatus, A18
KLECZEKOWSKI, A., multiplication of single phage particles, A19
KLECZEKOWSKI, J., multiplication of single phage particles, A19
KLEIN, M., freezing mold defroster, A27
KLOSER, M. M., bakers cheese making, A42
KLOTZ, M. M., Linking of organic ions to bovine serum albumin, A4
KOEVER, C., advancements in ice cream research, A39; freezing fruits for ice cream, A26
KÖGER, M., heritability of color intensity in Herefords, A68
KOEVER, C., advancements in ice cream research, A59; freezing fruits for ice cream, A26
KROHNERT, P., refrigerated milk delivery truck, A28
KRÜGER, M., determination of Cu, Fe and Mn in butter, A41
KRUTSHEER, C. I., lactate determination in milk; tests for neutralizers in milk, A90
KUHNEL, A., color photography in research, A90
KUNDRAT, W., fungistatic wall paints, A3
KÜHNER, J. T., electric heater for stock watering tank, A25
KÜHNEL, A., color photography in research, A90
KUNDIT, W., fungistatic wall paints, A3
KURMANN, J., insulated ice cream bags, A38
KUNKEL, W. C., ice cream can holder, A26
LACKNER, C. E., sediment testing of milk, A38
LAMASTER, J. P., prophylactic for calf scours, A44
LAMB, A. H., bimetallic thermometer, A79
LAMPKIN, G. H., skin grafting between bovine twins, A59
LANTER, J. T., electric heater for stock watering tank, A25
LANE, C. B., cultured milks, A57
LANGENKAMP, R. M., flow line sampler, A52
LARSON, G. M., gas-whipped cream dispenser, A28
LARSSON, A. V., avoiding rancid flavors in fats, A90
LATHROP, R. M., pipe-line milking system, A81
LAPRECHT, E., body weight and milk production, A5
LAVETTE, C. O., removal of milk from drum dryers, A58
LAWHORN, R. K., continuous freezing of ice cream, A68
LAWRENCE, B. F., ice cream dipper, A6
LAWRENCE, E. E., ice cream dipper, A6
LAZAR, M. E., heat processing by steam injection, A35
LEDERER, M., fatty acids by chromatography, A90
LE GROW, W. R., brucellosis survey, A15
LEHERNE, E. C., variegated ice cream freezer, A26
LEVIN, M. E. coli medium, A3
LEVITT, T., evaporated milk can dispenser closure, A65
LEIDENFURTH, B., aroma bacteria and Herrgard cheese, A64; rusty spots in cheese, A2
LINDLEY, C. E., dwarfism in beef cattle, A93
LINDEBERG, D. D., heat exchanger for food industry, A52
LIPSKA, I., absence of bacteriophage in humancolostrum, A10
LIU, C. H., diet and rat life span, A84
LOCKWOOD, P., reducing absenteeism, A5
LODIN, L. O., use of antioxidant from whey in butter, A41
LOGAN, D. M., monozygotic bovine quadruplets, A59
LOOMIS, J., ice cream stabilizer, A54
LORD, T. H., bacteriology of margarine, A3
LOVELACE, F., diet and rat life span, A84
LOWRY, J. R., effect of heat on amino acids of casein, A6
LUCAS, J. G., sediment test card, A66
LUCAS, P. S., modified Babcock test for mix, A82
LUCE, E. N., 2,4-D determination in milk, A22
LUDWIG, E., sanitation of food vendors, A30
LUDWIG, J., whey pockets in camembert rind, A2
LUNDRAAR, E. E., milk cooling device on milk chilling machine, A94
LUOMALA, K. A. E., milk can lift, A81
LUTHER, M. C., hard ice cream whipper, A66
LUST, M., flocculating the cascin in milk, A77

MACDONALD, D. K., safety program for dairy plants, A52
MACLEOD, P., microscopic grading of raw milk, A43
MACMAHON, J. D., milk preserved with soluble chlorites, A19
MACRIS, C. G., milk quality control tests, A18
MAGEE, A. I., moisture determination of feeds, A80
MALKAMES, J. P., Jr., enzymatic hydrolysis of whey, A18; whey food products, A50
MALPRES, F. H., sugar in mammary gland, A80
MANKIN, J. D., heritability of color intensity in Herefords, A68
MANN, A., candy for ice cream, A13, A38
MANS, A. E., titration curve of skim milk, A90
MANSFIELD, M. E., Brucella ring and blood test compared, A1
MARCOURT, M. W., diacyl from S. diacetyl lactis, A43
MARDEN, R. A., ladino clover and milk flavor, A91
MARET, R., cottage cheese as rat diet, A9
MARQUARDT, J. C., creaming cottage cheese, A17
MARQUARDT, R. P., 2,4-D determination in milk, A22
MARTIN, A. J. P., milk fatty acid synthesis by goats, A59
MARTIN, G., iron content of butter, A74
MARTIN, P., cows' teat protector, A80
MARTIN, W. McK., continuous sterilizer for canned foods, A88
MARTINS, C., mode of action of thyroxin, A30
MARTIN, W. O., milk fat synthesis, A97
MARTIN, P., cows' teat protector, A80
MARTINS, C., mode of action of thyroxin, A30
MAY, E., pushbutton liquid mixing, A94
MAHINDRA, H. H., JR., binding of chloride ion to bovine serum albumin, A4
MASSART, L., milk fat synthesis, A97
MASSON, F. M., rumen ciliate action on carbohydrate, A36
MASTENBROEK, G. G., human milk bank, A29
MATTICK, A. T. R., antibiotic from lactobacilli, A20
MASSEY, N., rotten spots on surface of hard cheeses, A9
MAY, E., pushbutton liquid mixing, A94
MCALLUM, G. E., milk control planning for disaster, A83
MCCAY, C. Mo, diet and rat life span, A84
MCCLEES, E. L., anti-kicking device for cows, A54
MCDOWALL, E. H., off-flavor in butter due to parchment wrappers, A16
MCDOWELL, A. K. R., butter off-flavor due to parchment wrappers, A16
MCGILL, R. D., clarifying market milk, A27; fat tests on ice cream mixes, A21
MCLEOD, W. M., syndactylism in cattle, A54
MEADEN, T. L., separation of alpha-casein, A4
MEANAUGHT, M. L., carbohydrate breakdown in rumen, A36; carotene digestibility, A91
MEOADE, R. E., milk product for breadcrumb, A76; spray drying equipment, A18
MEDEWAR, P. B., skin grafting between bovine twins, A59
MEDORA, P. S., delayed cooling of milk and bacterial growth, A50
MEHLUM, J., feed and oxidized flavor in milk, A67
MEHMUL, J., feed and oxidized flavor in milk, A67
MEISER, J. A., modified Babcock test for mix, A82
MERTZ, T. W., test cup, A81
MEYEN, A., mycobacteria from milk, A88
MILLAR, P. G., T. foetus transmission during semen collections, A68
MILONE, N. A., cleaning glass slides, A89
MINS, S. S., dehorning by heat, A37
MINAGAKI, S., aerobic bacteria in rumen, A92
MINCH, V. A., bacteria on food handlers' hands, A3
MINKIN, J. L., field tests for detergent evaluation, A85
MINUT, J., Rio de Janeiro milk supply, A96
MIOLLIS, R., cheese handling apparatus, A3; vertical cheese press, A79
MITCHELL, H. L., carotene concentrate stability, A80
MOGENSEN, M. T. S., protein breakdown in cheese, A65
MOLEN, W., ether evaporating apparatus, A90
MONNET, R. E., spray-drying apparatus, A18
MOORE, R. F., reconstituting dry milk, A33
MOREY, R. G., fermented milks, A77
MORGAN, M. E., microscopic grading of raw milk, A43
MORRISON, A. B., sugars in mammary gland, A84
MORRISON, S. H., ladino clover and milk flavor, A91
MOSIMANN, W., crystalline beef liver catalase, A30; salivary peroxidase, A30
MOSLE, J., silage milk for cheese, A89
MUFFLY, G., ice cream freezer, A66
MUKHERJEE, S., enzyme systems and fat spoilage, A20
MULDER, H., curing temperature and Edam cheese ripening, A88; Gerber fat test for milk, A34; pH and Edam cheese ripening, A88; Rose-Gottlieb fat test for milk, A34
MUMMERY, W. R., off-flavor in butter due to parchment wrappers, A16
MURPHY, P., credit in the ice cream industry, A46
MYRICK, N., milk vacuumizer, A23

NAPPER, A., preservation of eggs, A57
NAH, N. H., adding emulsifiers to pasteurized mixes, A45
NATIONAL Canners Association, Sanitation for the Food Preservation Industries, A49
NAVARRO, E. M., milk bottle holder, A28, A96
NEAL, F., milk can cart, A5
NEELEY, G., milk packaging and distribution trends, A53
NELSON, F. E., milk processing problems due to antibiotics and bacteriophage, A19
NELSON, G. A., lactic streptococci in milk, A76
NELSON, R. A., Jr., survival factor for Treponema pallidum, A4
NELSON, V., sterilized cream product, A83
NEWMAN, R. W., 0.01 ml. syringe for grading milk, A64
NICKERSON, T. A., low lactose solids for ice cream, A25
NICULESCO, P. C., determination of chlorides in dairy products, A21
NIELSEN, C., refrigerated milk delivery truck, A28
NIELSEN, P. J., gas-whipped cream dispenser, A28
NIELSEN, V. H., continuous butter-making process, A74
NISONGER, J. W., HTST mix pasteurization, A26
NORTON, C. L., cattle restraining device, A80
OGLESBY, W. T., johnin test on cattle, A1
OLSON, C., bovine hyperkeratosis, A1
OLSON, C. A., plastic milk carton holder, A84
Olson, H. E., simplified handling of accounts receivable, A24
Olson, T., use of antioxidant from whey in butter, A41
O'Meara, J. P., sanitary type filter, A38
Omoti, S., aerobic bacteria in ruminants, A92
Onida, J., HTST mix pasteurization, A45
Orelind, J. R., portable milking machine, A6; power washing separator, A78
Orlander, K. E., milk can filler, A81
Ormsbee, R. A., experimental Q-fever in bovine mammary gland, A15
Osmetti, A., branding and dehorning chute for cattle, A54
Owen, E. C., carotene digestibility, A91; partition in cows' milk, A97
Oxford, A. E., glucosam from soluble sugars by rumen protozoa, A24; rumen ciliate action on carbohydrates, A36

Pabst, R. E., refrigerated self-service display case, A60
Paley, C., freezing points of market milk, A22
Palmier, H. S., milking plant design, A59
Parker, R. B., bacterial spoilage of cottage cheese, A49
Parmer, C. E., milk processing problems due to antibiotics and bacteriophage, A19
Partridge, E. P., milk protein product, A35
Patton, S., new Roquefort-type flavors, A17
Payton, J. J., uterine-retaining truss, A80
Pearce, J. A., Fritz continuous butter-making machine, A74
Pedersen, J. W., hydrolysis of casein, A78
Peeters, G. J., milk fat synthesis, A97
Pepe, A. W., dietary starch and urea utilization by sheep, A44; urea ingestion and wool production, A44
Peeples, D. D., dried milk reconstituting device, A18; milk atomizer for spray dryer, A18; spray drying equipment, A18
Perkins, A. G., automatic teat cup releaser, A6; milking machine control, A25
Perlman, D. L., frozen confection apparatus, A27
Perry, J. R., cleaning aids for ice cream equipment, A46
Pessin, V., comparison of milk plating media, A64
Petersen, H. J., process cheese containing vegetable oils, A76
Petersen, C. A., nuts for ice cream, A13
Petraske, H. T., barn gutter cleaner, A59
Pette, J. W., manufacture of aromatic butter, A42
Pfeiffer, N. J., gas-whipped cream apparatus, A51
Pien, J., compulsory milk pasteurization, A70; reasons for compulsory pasteurization, A50, A83
Plastridge, W. N., effect of antibiotics in semen on V. fetus, A67; vibrosis in cattle, A63
Pilgrim, M., dwarf Aberdeen-Angus cattle, A93
Polg, C. C., fertility of previously frozen semen, A59
Polikoff, H., dating of milk, A91
Poloz, D. M., preparation of lysozyme, A58
Pontath, E. E., butter coloring tablet, A74
Popjak, G., lactose synthesis from glucose, A71; milk fat synthesis, A97; milk fatty acid synthesis by goats, A39
Pratt, W. J., lactose recovery, A35; lactalbumin for humans, A77
Pounden, W. D., mastitis due to Cryptococcus neoformans, A63
Preis, C. G., paper milk carton, A84
Proctor, B. B., evaluation of food irradiation, A43
Pusey, R. D., side-opening milk cooler, A94

Quackenbush, E. R., preventing labor turnover, A12

RaaDSveld, C. W., curing temperature and Edam cheese ripening, A88; pH and Edam cheese curing, A88
Rabuffo, V. M., history of ice cream industry, A12; home freezer storage for ice cream, A27; vegetable-fat frozen desserts, A82
Radema, L., Gerber fat test for milk, A34; Rose-Gottlieb fat test for milk, A34
Radema, L., Gerber fat test for milk, A34; Rose-Gottlieb fat test for milk, A34
Rand, W. E., fluorine effect on cattle, A41
Rapp, E. J., print butter wrapper, A57
Rasing, R., Swedish "rubber cowshed", A93
Ray, G., flame sterilization of milk utensils, A50; methods for preserving milk, A10
Raymond, O. C., brucellosis survey, A15
Redin, E., test-milking apparatus, A5, A44
Redin, E. G., milk can filler, A61
Redman, F. T., Jr., circulating cleaning device for milking machine parts, A61
Reed, E. H., homogenizer, A44
Red, G. C., lip protector on paper milk bottle, A96
Reid, R. L., fatty acids by chromatography, A90
Reilly, J. H., refrigerant attachment for cutlery, A96
Reinart, A., standardizing color of butter, A74
Reineke, E. P., synthetic thyroprotein, A29; thyroprotein feed, A67
Reinhardt, H. A., butter coloring tablet, A74
Rennie, J. C., type and butterfat production, A92
Revallier-Warffemius, J. G., dry skim milk in breadmaking, A33
Rekach, M., perchloric acid test for fat in ice cream, A21
Rice, F. A. H., survival factor for Treponema pallidum, A4
Richardson, G. A., Jersey milk composition, A38
Richer, C., cottage cheese as rat diet, A9
Richwine, F. E., teat cup liner, A6
Rishoi, A. H., metal churn, A87
Roadhouse, C. L., dried citrus products and milk flavor, A5
AUTHOR INDEX OF ABSTRACTS

A117

ROBATEL, H. G., agitator for refrigerated liquids, A81
ROBERTSON, A. H., comparison of milk plating media, A64
ROBINSON, J. F., making Canadian cheddar cheese, A75
ROEDER, G., titratable acidity and pH in milk and whey, A4
ROEPKE, M. H., electrolyte levels in bovine body fluids, A7; estrogens in bovine body fluids, A7
ROGICK, F. A., psychrophilic bacteria in market milk, A89
ROHDEWALD, M., chromatographic brush method for enzymes, A22; chromatographic detection of enzymes, A57
ROLLMAN, M. A., ice-and-salt ice cream freezer, A26
ROSE, D., Fritz continuous butter-making machine, A74
ROSS, F., automatic food merchandizing, A24
ROSSI, P. F., soft ice cream mixes, A12
RUSOFF, L. L., control of mold on cheese, A42
RUYLE, E. H., thermal resistance of \textit{B. subtilis} in evaporated milk, A9
RUYTS, J. J., roasted cheese products, A3
RYDE, H., test-milking apparatus, A6, A44

SADLER, A. M., enzymatic hydrolysis of whey, A18
SAGER, O. S., enzymatic hydrolysis of whey, A18
SAINTG, O., red camembert cheese, A64
SALTON, M. R. J., effect of cetyltrimethylammonium bromide on bacteria, A20
SANFORD, R. S., paper milk carton, A70
SAUNDERS, H. B., home pasteurizer, A95
SAXTON, J. A., JR., diet and rat life span, A84
SCHALM, O. W., antibiotics and \textit{Staph. pyogenes} infected udders, A41
SCHENEK, F., ice cream confection wrapper, A38
SCHILLINGER, C., adjustable cow stall, A25
SCHMIDT, H. J., fluorine effect on cattle, A41
SCHMITZ, F. J., milk distribution in separator bowl, A4
SCHROENK, O. J., bakers cheese making, A42
SCHRECK, W. G., carotene concentrate stability, A80
SCHUERCH, Th., behavior of treated udders, A63
SCHULZ, H. R., ice cream carton filler, A27
SCHULZ, H. R., ice cream packaging method, A69
SCHWARZ, G., aromatic substances in tilisit cheese, A3
SCHWARTZKOFF, V., milk can dumping apparatus, A66; milk losses at can washer, A23
SEARS, E. M., keeping cows fly-free, A93
SE BASTIAN, F., portable ice cream freezer, A68
SEEKLES, L., Ca ions in milk ultrafiltrate, A66

SEIBERT, H. F., lactose recovery, A35
SELLERS, A. F., electrolyte levels in bovine body fluids, A7; estrogen in bovine body fluids, A7
SEVERUD, G., cream remover for milk bottles, A6
SHARON-SHTRIKMAN, M., whey protein in process cheese, A75
SHARP, P. F., gas packing of dried milks, A88
SHERWOOD, E. M., electric dry box farm cream coolers, A16, A87
SHERWOOD, F. D., pouring device for paper bottles, A71
SHERWOOD, H. A., milker claw, A37
SHUKRING, J. J., ladinio clover and milk flavor, A91; "solid" ice cream, A70; soft ice cream mixes, A12
SHIFFERMILLER, W. E., time and motion study of cleaning dairy plant equipment, A7
SIMPSON, H. A., E. coli medium, A3
SIMPSON, H. O., sediment control in homogenized milk, A28
SIMPSON, R. E., carotene concentrate stability, A80
SILVERMAN, G. J., testing for inhibitory substances in milk, A65
SIMMONET, H., P-containing compounds of milk, A77
SIMONSEN, H., feed and oxidized flavor in milk, A61, A75
SIMMONET, H., P-containing compounds of milk, A77
SIMONSEN, H., chemistry of fat emulsion in milk, A10; threat of butterfat imitations, A91
SONNENBERG, R., metal foil bottle closure, A95, A96
SPELLMAN, E., frozen confection apparatus, A44
SPERLING, G., diet and rat life span, A84
SPOULRE, W. H., extraneous matter in cheese, A75
STAHU, R. T., lactalbumin purification, A90
STAMBAUGH, J., canned fresh milk, A83
STANDER, G. T., dairy waste disposal, A78
STEANS, R. R., butter-forming device, A2
STEKOL, J. A., amino acid synthesis by rumi­nants, A24
STERNBERG, J., P-containing compounds of milk, A77
STEWART, D. L., oestrus suppression after mating, A68
STEWART, T., effects of antibiotics in milk, A19
STILES, H. R., feed supplement, A55
STOHLER, H., mycobacteria from milk, ABB
STORCK, R. E., air agitation of milk, ALL
STREZYNSKI, G. J., apparatus for making or breaking emulsions, A5; cheese curd by centrifugation, A17; cold-milk separator, A58
STIBLEY, R. C., lactose recovery, A35
SUELLENTROP, F. F., gas-whipped cream apparatus, A39, A61
SULLIVAN, T. J., dehorning paste applier, A25
SULSER, H., metallic ions in water, A66
SUMNER, J. B., salivary peroxidase, A30
SWARTLING, P., aroma bacteria and Herrgard cheese, A64
SWESEN, H. F., ice cream freezer, A78
SWETT, C., waxes for paper milk containers, A95

TACCHELLA, A. J., automatic cone filler, A27
TAMINGA, W. J., siphon for filling milk cans, A83
TARASSUK, N. P., dried citrus products and milk flavor, A5
TENDELOO, H. J. C., titration curve of skim milk, A90
TERHORST, M. G., ultracentrifugation of calcium caseinate sols, A89
TESSIER, H., Fritz continuous butter-making machine, A74
THIESSEN, R., Jr., effect of heat on amino acids of casein, A6
THIEULIN, G., world milk production and consumption, A56, A70
THOM, E., tanker pick-up of farm milk, A55
THOMAS, C. A., test cup, A81
THOMAS, E. L., evaporated milk dispenser, A34; shrinkage in ice cream, A35, A45, A82
THOMÉ, K. E., oily flavor in butter, A65; rusty spots in cheese, A2; Swedish dairy research problems, A96; use of antioxidant from whey in butter, A41
THOMPSON, E. B., milking machine, A81
THOMPSON, W. J., mechanical dehorner, A37
THOMSEN, L. C., high quality whey butter, A16
THORNTON, H. R., lactic streptococci in milk, A76; psychrophilic bacteria in milk and cream, A9
THORSON, A. E., cattle restraining device, A25
TIERSMA, E., lactate determination in milk, A90
TINKLER, F. H., lactalbumin for humans, A77
TOBIAS, J., HTST mix pasteurization, A45
TOMASOW, J., aromatic substances in tilsit cheese, A3
TOONE, C., cheddar cheese-making process, A64
TOOTH, J., simplified ice cream plant laboratory, A45
TRACY, P. H., dairy industry trends, A80; future of dairy industry, A58; HTST mix pasteurization, A45; insulated ice cream bags, A38; need for low-fat ice cream, A25; perchorlic acid test for fat in ice cream, A21
TRIMBERGER, G. W., brewers grain as hay silage preservative, A67
TRIMBLE, J. M., flow line sampler, A52
TROUT, G. M., delayed cooling of milk and bacterial growth, A50
TRUCCO, R. E., galactose-containing compound from mammary gland, A84
TUDA, T., aerobic bacteria in rumen, A92; cellulytic power of rumen contents, A92
TUMUSKO, E., frozen confection dryer and bagger, A95
TURNER, C. W., synthetic thyroprotein, A29; The Mammary Gland I. The Anatomy of the Udder of Cattle and Domestic Animals, A49; thyroprotein feed, A67
TZALL, B., freezing points of market milk, A22
TZIVANOFILOUS, G. G., milk quality control tests, A18

UMEZU, M., aerobic bacteria in rumen, A92; cellulytic power of rumen contents, A92
UPRIGHT, F. J., cheese slicer, A17
URQUHART, J. M., binding of organic ions to bovine serum albumin, A4

VALCO, E. I., ice cream emulsifier, A81
VÁNĚK, H. F., calf weaner, A25
VAN GUILDER, W., butter gun, A73
VALENT, E. J., manual butter pat machine, A42
VARNADO, W. W., ice cream freezer support, A54
VAUGHN, R. H., E. coli medium, A3
VENEKAMP, J. T. N., lactate determination in milk, A90
VENZKE, W. G., bovine brucellosis treatment, A63
VIAL, E. E., Class II milk, A58; health regulations and milk pricing, A31
VOGEL, H. O., liquid supply device for self-cleaning separator, A23
VOIRET, M., preserving milk samples, A66
VOLMET, J., litter conveyor for barns, A54
VOS, E. A., oxidizing agents and butyric acid fermentation in cheese, A89

WAINER, M., selling ice cream in vending machines, A60, A69
WALKER, E. C., Vibrosis in cattle, A63
WALTER, H. E., enzymatic hydrolysis of whey, A18
WASHKO, F. V., susceptibility of Br. abortus-vaccinated cattle to Br. suis, A41
WASSERMAN, T., heat processing by steam injection, A35
WASSON, A. J., gas packing of dried milks, A88
WEBER, C. W., Dairy Industry Equipment Committee report, A23
WECKEL, K. G., vitaminized fortified skim-milk, A96
WEINBERG, M. J., hand slicer for butter and cheese, A49
WEINRICH, C. F., metal churn, A87
WELTER, G. G., cattle guard, A54
WENDT, D. O., bull leading device, A59
WENNUND, O. H., milk cooler, A93
WESTRE, K., control of mold on cheese, A42
WEYERS, H. A., soft-curd milk, A29
WHITE, A. H., glassine-aluminum foil butter wrap, A74; plating dry milks, A76
WHITE, E. D., bulk milk dispenser, A84
WHITE, J. C., glass pipelines, A30
WHITE, J. W., dairy barn ventilation, A24
WHITE, M. D. L., peroxide determination in fats, A57
WHITEHEAD, H. R., bacterial inhibition by bacteriophage, A50
WHITTLESTON, W. G., release of milk-ejection hormone, A29
WIECHERS, S. G., milk substitutes, A76; pasteurization with high frequency current, A35
WILLIAMS, L. F., Vibriosis in cattle, A63
WILLIS, P. S., changes in food distribution, A79
WILSON, A. A., parturition and vitamin A blood levels, A55
WINGER, L. T., canned fresh milk, A71
WODE, G., oily flavor in butter, A65
WOODRUFF, B. H., frozen custard machine, A94
WOODS, G. M., antibiotics and Staph. pyogenes infected udders, A41
WOODS, G. T., Brucella ring and blood test compared, A1
WORK, T. S., blood amino acids and rabbit milk proteins, A39
WURDEMMANN, W. L. H. E., milk can conveyor, A5
YANCEY, F. S., mastitis organisms and equipment disinfection, A65
YOUNG, H. E., butter dispenser, A75
YOUNG, H. H., acid cleaner, A61
YOUNGMAN, J. D., stanchion opening device, A80
ZACHARIASSEN, S. H. B., centrifugal type homogenizer, A38
ZAKARIASEN, B. M., process cheese manufacture, A75
ZAMBONI, F. J., cold-wall storage tank, A58
ZECHMEISTER, L., chromatographic brush method for enzymes, A22; chromatographic detection of enzymes, A57
ZEEUW, H. D., pasteurization with high frequency current, A35
ZERNICKE, L. F., milk strainer, A81
ZOET, A., Ringeling test for coli in milk, A18
ZURLINDEN, C. P., bottle pouring cap and closure, A6