

## Bibliography of J. Murray Luck

(Note: Gaps in the numbering here follow Dr. Luck's own compilation.)

1. Calcium Chloride Acidosis; Haldane, J. B. S., Hill, R., and Luck, J. M., *J. Physiol. (London)* 301-6 (1923)
2. The Amide Nitrogen of Caseinogen; Luck, J. M., *Biochem. J. (Cambridge)*, 18, 814-24 (1924)
3. Ammonia Production by Animal Tissues *in vitro*. I. The Use of Mixed Tissue Extracts; Luck, J. M., *Biochem. J. (Cambridge)*, 18, 814-24 (1924)
4. Ammonia Production by Animal Tissues *in vitro*. II. The Demonstration of Urease in the Animal Body; Luck, J. M., *Biochem. J. (Cambridge)*, 18, 825-28 (1924)
5. Gastric Urease; Luck, J. M., and Seth, T.N., *Biochem J. (Cambridge)*, 18 (6), 1227-31 (1924)
6. The Physiology of Gastric Urease; Luck, J. M., and Seth, T. N., *Biochem. J. (Cambridge)*, 19 (3), 357-65 (1925)
7. The Relation Between the Metabolism and the Specific Dynamic Action of Amino Acids; Seth, T.N., and Luck, J. M., *Biochem. J. (Cambridge)*, 19, 366-76 (1925)
8. Ammonia in the Blood of Epileptics; Luck, J. M., Thacker, and G., Marrack, J., *Br. J. Exp. Pathol.*, 6, 276-79 (1925)
9. The Estimation of Amino Acid Nitrogen in Animal Tissues; Luck, J. M., *J. Biol. Chem.*, 77 (1), 1-12 (1928)
10. The Metabolism of Amino Acids, Luck, J. M., *J. Biol. Chem.*, 77 (1), 13-26 (1928)
11. The Effect of Insulin on the Amino Acid Content of Blood; Luck, J. M., Morrison, G., and Wilbur, L. F., *J. Biol. Chem.*, 77 (1), 151-56 (1928)
12. The Estimation of Urea and Amino Acid Nitrogen in Animal Tissues; Kiech, V. C., and Luck, J. M., *J. Biol. Chem.*, 77 (2), 723-31 (1928)
13. The Effect of Insulin on Protein Metabolism; Kiech, V.C., and Luck, J. M., *J. Biol. Chem.*, 78 (2), 257-64 (1928)
14. The Influence of Sodium Chloride on the Growth and Metabolism of Yeast; Speakman, H.B., Gee, A. H., and Luck, J. M., *J. Bacteriol.*, 15, 319-40 (1928)
15. The Oxidation of Dixanthidryl Urea, A Micro Method for Determining Urea; Luck, J. M., *J. Biol. Chem.*, 79 (1), 211-19 (1928)
16. The Effect of Insulin on Protein Metabolism; Kiech, V. C., and Luck, J. M., *Proc. Soc. Exp. Biol. Med.*, 25, 437 (1928)
17. The Permeability of the Placenta of the Rat to Glycine, Alanine and Urea; Luck, J. M., and Engle, E. T., *Am. J. Physiol.*, 88, 230-36 (1929)

18. Quantitative Analysis of Blood and Urine (Laboratory Manual); Luck, J. M., 203 pp. (Stanford University Press, Stanford, CA, 1929)
19. Effect of Insulin on Protein Metabolism. The Role of Hypoglycemia; Luck, J. M., and Spaulding, J., *Proc. Soc. Exp. Biol. Med.*, 26, 631-32, (1929)
20. The Oxidation of Dixanthidryl Urea by Means of the Dichromate Reaction. A New Method for Determining Urea; Allen, F. W., and Luck, J. M., *J. Biol. Chem.*, 82, 693-701 (1929)
21. The Blood Chemistry of Two Species of Rattlesnakes, *Crotalus Atrox* and *Crotalus Oregonus*; Luck, J. M., and Keeler, L., *J. Biol. Chem.*, 82, 703-7 (1929)
22. The Catabolism of Amino Acids; Luck, J. M., Kiech, V. C., and Specker, L., *Am. J. Physiol.*, 90 (2) (1929)
23. The Influence of Epinephrine and Insulin on the Distribution of Glycogen in Rabbits; Sahyun, M., and Luck, J. M., *J. Biol. Chem.*, 85, 1-20 (1929)
24. Effect of Sulphur Dioxide on Vitamin A Activity of Cod Liver Oil, Butter, and Alfalfa; Cady, O. H., and Luck, J. M., *Proc. Soc. Exp. Biol. Med.*, 27, 288-89 (1930)
25. Studies in the Chemistry of Vitamin A; Cady, O. H., and Luck, J. M., *J. Biol. Chem.*, 86, 743-54 (1930)
26. The Eugene Meeting of the Pacific Division, A.A.A.S.; Luck, J. M., *Science*, 72, 255-65 (1930)
27. The Role of Bacteria in the Nutrition of Protozoa; Luck, J. M., Sheets, G., and Thomas, J.O., *Q. Rev. Biol.*, 6, 46-58 (1931)
28. Studies on Arginine. I. The Rate of Catabolism of Arginine in Rats, Including a Method for the Determination of Arginine in Biological Material; Kiech, V.C., Luck, J. M., and Smith, A. E., *J. Biol. Chem.*, 90, 677-96 (1931)
29. Further Studies of the Effect of Insulin on the Amino Acid Content of Blood; Daniels, A. C., and Luck, J. M., *J. Biol. Chem.*, 91, 119-26 (1931)
30. Effect of Proteins on the Diffusion of Amino Acids through Membranes; Luck, J. M., and Ritter, R. C., *Proc. Soc. Exp. Biol. Med.*, 28, 829-30 (1931)
31. The Role of Phosphate in Biological Oxidations; Barmore, M., and Luck, J. M., *J. Gen. Physiol.*, 15, 97-105 (1931)
32. Amino Acid Metabolism. I. The Relative Rates of Amino Acid Disappearance and Urea Formation; Kiech, V.C., and Luck, J. M., *J. Biol. Chem.*, 94, 433-49 (1931)
33. The Sterilization of Protozoa; Luck, J. M., and Sheets, G., *Arch. Protistenkd.*, 75, 255-69 (1931)
34. Device for Automatic Measurement of Oxygen Consumption in Closed Circuit Type of Metabolism Apparatus; Kiech, V.C., and Luck, J. M., *Proc. Soc. Exp. Biol. Med.* 29, 123-24

(1931)

35. Studies on Arginine. Phosphoarginine as a Possible Precursor of Creatine; Brown, D. M., and Luck, J. M., *Proc. Soc. Exp. Biol. Med.*, 29, 723-26 (1932)

36. The Metabolism of Proteins and Amino Acids; Luck, J. M., *Annu. Rev. Biochem.*, 1, 299-318 (1932)

37. Pullman Meeting of the Pacific Division of A.A.A.S.; Luck, J. M., *Science*, 76, 303-16 (1932)

38. The Action of X-rays on *Euplotes Taylori* and Associated Bacteria; Brown, M.G., Luck, J. M., Sheets, G., and Taylor C.V., *J. Gen. Physiol.*, 16, 397-406 (1933)

39. Studies on Arginine. III. The Arginine Content of Vertebrate and Invertebrate Muscle; Arnold, A., and Luck, J. M., *J. Biol. Chem.*, 99, 677-91 (1933).

40. The Metabolism of Proteins and Amino Acids; Luck, J. M., *Annu. Rev. Biochem.*, 2, 165-86 (1933)

41. The Effects of Insulin and Adrenaline on the Amino Acid Content of Blood; Luck, J. M., and Morse, S. W., *Biochem. J.*, 27, 1648-54 (1933)

42. The Differential Inactivation of Insulin; Davis, B., Jr., Luck, J. M., and Miller, A. G., *Biochem. J.*, 27 (5) 1643-47 (1933)

43. An Apparatus for Automatically Measuring the Respiratory Exchange of Small Animals; Lewis, H.G., and Luck, J. M., *J. Biol. Chem.*, 103, 209-26 (1933)

44. The Calorigenic Action of Glycine; Lewis, H.G., and Luck, J. M., *J. Biol. Chem.*, 103, 227-33 (1933)

45. The Equivalent Conductance of Aqueous Barium Hydroxide Solutions; Leopold, H. G., and Luck, J. M., *J. Am. Chem. Soc.*, 55, 2655-56 (1933)

46. The Salt Lake City Meeting of the Pacific Division, A.A.A.S., Luck, J. M., *Science*, 78, 322-27, 352-55 (1933)

47. The Effect of Insulin and Epinephrine on the Amino Acid Content of the Blood of Adrenalectomized Rabbits; Davis, B. L., Jr., Van Winkle, W., Jr., *J. Biol. Chem.*, 104 (1934)

48. Studies on Annelid Muscle I. Taurine in *Audouinia spirabanchus*, Moore; Kurtz, A. C., and Luck, J. M., *J. Biol. Chem.* 111, 577-584 (1935)

49. The Metabolism of Proteins and Amino Acids; *Textbook of Biochemistry*, Luck, J. M., 612-44 (W.B. Saunders Co., Philadelphia, PA 1935)

50. Effect of Administered Glucose upon Amino Nitrogen Content of the Blood; Luck, J. M., Davis, B.L., and Van Winkle, W., Jr., *Proc. Soc. Exp. Biol. Med.*, 32, 1039-41 (1935)

51. Stimulation of Adrenal Medulla by Irradiated Insulin; Luck, J. M., and Richmond, G. M.,

*Proc. Soc. Exp. Biol. Med.*, 32, 1056-57 (1935)

52. Fractionation of Liver Proteins; Luck, J. M., *Abstr. Communication XV International Physiol. Congress*, Leningrad and Moscow, p. 246 (1935)

53. Seattle Meeting of the Pacific Division, A.A.A.S.; Luck J. M., *Science*, 84, 169-74 (1936)

54. Liver Proteins. I. The Question of Protein Storage; Luck, J. M., *J. Biol. Chem.*, 115, 491-510 (1936)

55. The Effect of Acetylcholine and other Constituents of the Suprarenal Gland upon Blood Sugar and Amino Acids; Davis, B. L., Jr., and Luck, J. M., *Am. J. Physiol.*, 117, 542-52 (1936)

56. Studies on Annelid Muscle. II. Observations on Annelid Phosphagen; Kurtz, A. C. and Luck, J. M., *Proc. Soc. Exp. Biol. Med.*, 37, 299-300 (1937)

57. Effect of Hydrogen-ion Concentration on the Extractability of Liver Proteins; Luck, J. M., and Nimmo, C.C., *J. Biol. Chem.*, 119, lxx (1937)

58. Liver Proteins. II. Liver Albumin; Luck, J. M., and Martin D., *Proc. Soc. Exp. Biol. Med.*, 36, 320-21 (1937)

59. The Liver Proteins; Luck, J. M., *Perspectives in Biochemistry*, 215-29 (Cambridge University Press, Cambridge, England, 1937)

60. Liver Proteins. The Extractability of the Liver Proteins; Luck, J. M., *C. R., Carlsberg (Ser. Chim.)*, 22, 321-28 (1938)

61. The Calorigenic Action of Amino Acids in the Hypophysectomized Animal; Evans, H. M., Luck, J. M., Pencharz, R. I., and Stoner, H. C., *Am. J. Physiol.*, 122, 533-41 (1938)

62. San Diego Meeting of the Pacific Division, A.A.A.S.; Luck, J. M., *Science*, 88, 195-204 (1938)

63. The Determination of Arginine in the Presence of Other Amino Acids by Means of the Sakaguchi Reaction; Thomas, L. E., Ingalls, J. K., and Luck, J. M., *J. Biol. Chem.*, 129, 263-71 (1939)

64. Autolytic Changes in the Protein and Amino Acid Content of Liver; Luck, J. M., Eudin, J., Nimmo, C. C., *J. Biol. Chem.*, 131, 201-9 (1939)

65. *Perspectives in Biochemistry*; Luck J. M., (Contributing author), 550 pp. (Cambridge University Press, Cambridge, England, 1940)

66. Buffer Influence on Taka-Diastase; Ballou, C. A., and Luck, J. M., *J. Biol. Chem.*, 135, 111-18 (1940)

67. The Effects of Epinephrine, Potassium, Pentobartibal and Insulin on the Concentration of Amino Acid Nitrogen in the Blood of Fasting Dogs; Crismon, C. A., Hanvey, R. V., and Luck, J. M., *Am. J. Physiol.*, 130, 171-76 (1940)

68. The Effects of Different Buffers on the Activity of  $\beta$ -Amylase; Ballou, G.A., and Luck, J. M., *J. Biol. Chem.*, 139, 233-40 (1941)
69. Electrolytic Splitting of Liver Albumin; Luck, J. M., Nimmo, C. C. and Alvarez-Tostado, C., *Proc. Soc. Exp. Biol. Med.*, 46, 151-53 (1941)
70. Electrophoretic Properties of Liver Proteins; Luck, J. M., Nimmo, C. C., and Alvarez-Tostado, C., *J. Biol. Chem.*, 140. lxxxii (1941)
71. Fortification of Foodstuffs, Luck, J. M., *Science*, 94, 31-33 (1941)
72. Confidential Report on Vitamin Production and Requirements; prepared in 1941 following a visit to Great Britain
73. Pasadena Meeting of the Pacific Division, A.A.A.S.; Luck, J. M., *Science*, 94, 121-30 (1941)
74. Salt Lake City Meeting of the Pacific Division, A.A.A.S.; Luck, J. M., *Science*, 96, 146-50 (1942)
75. England in War Time (address); Luck, J. M., *Vortex*, 3, 5-6 (1942)
76. Relationship between 30-Second Cloud Point Temperature of Standard Serum Albumin and 57° Stability as Determined by Nephelometry; Luck, J. Murray (Feb. 8, 1944)
77. II. The Stabilization of Standard Human Serum Albumin with Sodium Mandelate and Sodium Phenylacetate; Luck, J. M. (Interim Report to Committee on Medical Research of Office of Scientific Research & Development) March 15, 1944
78. III. The Stabilization of Human Serum Gamma Globulin in Aqueous Solution; Luck, J. M. (An Interim Report to Committee on Medical Research of Office of Scientific Research and Development) May 8, 1944
79. III. A. The Stabilization of Human Serum Gamma Globulin in Aqueous Solution; Luck, J. M. (Supplement to Interim Report No. III (May 8, 1944) Committee on Medical Research of Office of Scientific Research and Development) July 7, 1944
80. The Stabilization of Standard Human Serum Albumin with Sodium Caprylate; Luck, J. M. (An Interim Report to Committee on Medical Research of Office of Scientific Research and Development) June 19, 1944
81. V. Clarification and Stabilization of Solutions of Fraction V, Human Serum Albumin, by Heat Treatment in the Presence of Caprylate; Luck, J. M. (Interim Report to Committee on Medical Research of Office of Scientific Research and Development) Aug. 4, 1944
82. VI. Partial Removal of Globulin by Heat Treatment of Crude Bovine Albumin in the Presence of Sodium Caprylate; Luck, J. M., Boyer, Paul D., Ballou, G. A., Lum, G. G., and Rice R. G. (Interim Report to Committee on Medical Research of Office of Scientific Research and Development) Jan. 10, 1945
83. Methylene Chloride in the Extraction and Determination of Vitamin A. and Oil in Soupin Shark Livers; Tompkins, P. C., and Bolomey, R. A., *Ind. Eng. Chem.*, 15, 437-38 (1943)

84. A Survey of Food Prices; Luck, J. M., *Science*, 100, 124-25 (1944)
85. The Heat Coagulation of Human Serum Albumin; Ballou G. A., Boyer, P. D., Luck, J. M., and Lum, F. G., *J. Biol. Chem.*, 153, 589-605 (1944)
86. The Influence of Non-Polar Anions on the Thermal Stability of Serum Albumin; Ballou, G. A., Boyer, P. D., Luck, J. M., and Lum, F. G., *J. Clin. Invest.*, 23, 454-47 (1944)
87. Extraction of Oil and Vitamin A in Shark Liver Analysis. The Xylene-Centrifuge Method; Sycheff, V. M., *Ind. Eng. Chem.*, 16, 126 (1944)
88. The Papain Digestion of Native, Denatured, and "Stabilized" Human Serum Albumin; Rice, R.G., Ballou, G. A., Boyer, P. D., Luck, J. M., and Lum, F. G., *J. Biol. Chem.*, 158, 609-617 (1945)
89. The Electrophoretic Mobility of Human Serum Albumin as Affected by Lower Fatty Acid Salts; Ballou, G. A., Boyer P. D., and Luck, J. M., *J. Biol. Chem.*, 159, 111-16 (1945)
90. The Prevention by Caprylate of Urea and Guanidine Denaturation of Serum Albumin; Boyer, P. D., *J. Biol. Chem.*, 158, 715-16 (1945)
91. Nutrition - Retrospect and Prospect; Luck, J. M., *Nutr. Rev.* 3, 65-69 (1945)
92. *War on Malnutrition and Poverty -- The Role of Consumer Cooperatives*; Luck, J. M., 203 pp. (Harper and Brothers, New York, 1945)
93. Standard Human Serum Albumin Stabilized with Sodium Phenylacetate and Sodium Mandelate; Bassett, D.L., *Am. J. Physiol.*, 143, 272-76 (1945)
94. The Combination of Fatty Acids and Related Compounds with Serum Albumin. I. Stabilization Against Heat Denaturation; Boyer, P.D., Lum, F.G., Ballou, G.A., Luck, J. M., and Rice R. G., *J. Biol. Chem.*, 162, 181-98
95. The Combination of Fatty Acids and Related Compounds with Serum Albumin. II. Stabilization Against Urea and Guanidine Denaturation; Boyer, P. D., Ballou, G. A., and Luck, J. M., *J. Biol. Chem.*, 162, 199-208 (1946)
96. Non-Utilization of Intravenously Administered Acetyl-dl-tryptophane; Luck, J. M., Boyer, P. D., and Hall, V.E., *Proc. Soc. Exp. Biol. Med.*, 62, 177-79 (1946)
97. The Nomenclature of the Carotenoid Pigments; Committee on Biochemical Nomenclature of the National Research Council, *Chem. Eng. News*, 24, 1235-36 (1946)
98. Toxicity of Stabilizers for Concentrated Human Albumin Solutions. I. Production of Cardiac Arrhythmias in Cats by Sodium Salts of Caprylic and Related Fatty Acids; Hall, V. E., and Waldman, M. S., *J. Pharmacol. Exp. Ther.*, 88 (3), 221-31 (1946)
99. The Biology of the Soupfin *Galeorhinus zyopterus* and Biochemical Studies of the Liver. *Fish Bull.* No. 64, 93 pp. (Div. Fish and Game of Calif., Bur. Marine Fisheries, 1946)
100. The Combination of Fatty Acids and Related Compounds with Serum Albumin. III. The

- Nature and Extent of the Combination; Boyer, P. D., Ballou, G. A., and Luck, J. M., *J. Biol. Chem.*, 167, 407 (1947)
101. Mandelate as a Stabilizer of Serum Albumin; Luck, J. M., *J. Phys. Coll. Chem.*, 51, 229 (1947)
102. Cardiovascular Effects of Sodium Caprylate in the Cat; Kipple, H. M., Waldman, M. S., and Hall, V. E., *J. Pharmacol. Exp. Ther.*, 89, 313-19 (1947)
103. Oxidative Decomposition of Vitamin A. I. Stability of Vitamin A Towards Oxidation and Irradiation; Bolomey, R. A., *J. Biol. Chem.*, 169, 323-29 (1947)
104. Oxidative Decomposition of Vitamin A. II. Absorption Spectrophotometry of Oxidized Vitamin A; Bolomey, R. A., *J. Biol. Chem.*, 169, 331-35 (1947)
105. The Combination of Organic Anions with Serum Albumin. IV. Stabilization Against Urea Denaturation; Duggan, L. E., and Luck, J. M., *J. Biol. Chem.*, 172, 205 (1948)
106. The Combination of Serum Albumin with Organic Compounds. V. Experiments with Hydroxy-substituted Aromatic Acids; Luck, J. M., and Schmit, Agnes S., *Stanford Med. Bull.*, 6, 133-141 (1948)
107. The Combination of Organic Anions with Serum Albumin. VI. Quantitative Studies by Equilibrium Dialysis; Teresi, J. D., and Luck, J. M., *J. Biol. Chem.*, 174, 653-61 (1948)
108. Fractionation of Liver Proteins; Luck, J. M., and Griffin, A. C., *Fed. Proc.*, 7, 169 (1948)
109. Tissue Proteins and Carcinogenesis. I. The Effect of Carcinogenic Azo Dyes on Liver Proteins; Griffin, A. C., Nye, W. N., Noda, L., and Luck, J. M., *J. Biol. Chem.*, 176, 1225-35 (1948)
110. Food Prices in Palo Alto; Luck, J. M., *Science*, 108, 425-26 (1948)
111. Royal Society Scientific Information Conference; Luck, J. M., London, June 21 to July 2, 1948
112. Scientific Progress Report; U. S. Public Health Service Grant C-484, Luck, J. M., Jan. 1, 1948 to March 21, 1949
113. Report on the International Conference on Science Abstracting; held under the auspices of UNESCO, Luck, J. M., Paris, June 20-25, 1949. See also files 1949 -- International Conference on Science Abstracting
114. The Combination of Organic Anions with Serum Albumin. VI. Quantitative Studies by Equilibrium Dialysis; A Correction; Teresi, J. D., and Luck, J. M., *J. Biol. Chem.*, 177, 383 (1949)
115. Tissue Proteins and Carcinogenesis. II. Electrophoretic Studies on Serum Proteins during Carcinogenesis due to Azo Dyes; Cook, H. A., Griffin, A. C., and Luck, J. M., *J. Biol. Chem.*, 177, 373-81 (1949)

116. Mechanism of Action of Phosphoglucomutase; Jagannathan, V., and Luck, J. M., *Fed. Proc.*, 8, (1949)
117. Phosphoglucomutase. I. Purification and Properties; Jagannathan, V., and Luck, J. M., *J. Biol. Chem.*, 179, 561-8 (1949)
118. Phosphoglucomutase. II. Mechanism of Action; Jagannathan, V., and Luck, J. M., *J. Biol. Chem.*, 179, 569-75 (1949)
119. The Combination of Fatty Acid Anions with Proteins; Luck, J. M., *Faraday Soc. Discuss.*, No. 6, 44-52 (1949)
120. The Uptake of Labelled Glycine by Normal and Cancerous Tissues in the Rat; Griffin, A. C., Bloom, S., Cunningham, L., Teresi, J. D., and Luck, J. M., *Cancer*, 3, 316-20 (1950)
121. Effect of a Carcinogenic Azo Dye on Liver Cell Structure. Isolation of Nuclei and Cytoplasmic Granules; Cunningham, L., Griffin, A. C., and Luck, J. M. *Cancer Res.*, 10, 194-99 (1950)
122. The Liver Proteins; Luck, J. M., *Cold Spring Harbor Symp. Quant. Biol.*, 14, 127-39 (1950)
123. Polyploidy and Cancer, The Desoxypentose nucleic Acid Content of Nuclei of Normal, Precancerous, and Neoplastic Rat Tissues; Cunningham, L., Griffin, A. C., and Luck, J. M., *J. Gen. Physiol.*, 34, 59-63 (1950)
124. The Combination of Organic Anions with Serum Albumin. VII. Stabilization Against Denaturation by Ultraviolet Irradiation; Duggan, E. L., Giese, A. C., and Luck, J. M., *Arch. Biochem.*, 28, 174-84 (1950)
125. The Combination of Organic Anions with Serum Albumin. VII. The Protein Sites Involved in the Combination; Teresi, J. D., *J. Am. Chem. Soc.* 72, 3972-78 (1950)
126. The Incorporation of Radioactive Phosphorus, P<sup>32</sup>, in the Nucleic Acids of Normal and Precancerous Livers and of Liver Tumors; Griffin, A. C., Cunningham, L., Brandt, E. L., Kupke, D. W., *Cancer Res.*, 10, 222 (1950)
127. Simple Automatic Pipet; Nye, W., *Anal. Chem.*, 22, 848 (1950)
128. Proteins of Normal, Precancerous, and Cancerous Liver; Luck, J. M., Scientific Progress Report C-484 (C2) March 21, 1949 to June 15, 1950
129. Further Studies on Liver Desoxyribonucleoprotein; Luck, J. M., Brunish, R., Fairley, D., Kupke, D., and Rhein, Alberta, *Fed. Proc.*, 10, No. 1, Pt. 1, p. 218 (1951)
130. Composition of Histone Prepared from Rat Liver Desoxypentose nucleoprotein; Brunish, R., Fairley, D., and Luck, J. M., *Nature*, 168, 82 (1951)
131. Automatic Sample Changer for Windowless Gas Flow Counters; Nye, W.N. and Teresi, J. D., *Anal. Chem.*, 23, 643-46 (1951)
132. Proteins of Normal, Precancerous, and Cancerous Liver; Luck, J. M., Scientific Progress



Report, USPHS Grant C-484 (C3), June 15, 1950 to June 1, 1951

133. The Combination of Organic Anions with Serum Albumin VIII. Fatty Acid Salts, Teresi, J. D., and Luck, J. M., *J. Biological Chem.*, 194, 823-834, No. 2 (1952)

134. Scientific Progress Report, USPHS Grant C-484; Luck, J. M., June 1, 1951 to Feb. 1, 1952

135. Amino Acid "Incorporation" *in vitro* by Desoxypentose Nucleoprotein and Histone; Brunish, R., and Luck, J. M., *J. Biol. Chem.*, 197, 869-82, No. 2 (1952)

136. Effect of Sympathomimetic Amines upon Amino Acid Nitrogen Content of the Blood; Brunish, R., and Luck, J. M., *Proc. Soc. Exp. Biol. & Med.*, 80, 557-58 (1952)

137. Amino Acid Incorporation by Liver Proteins; Luck, M., and Brunish, Robert, *Fed. Proc.*, 11, 251. No. 1 (1952)

138. Amino Acid Incorporation *in vivo* into Liver Fractions; Brunish, Robert, and Luck, J. M., *J. Biol. Chem.*, 198, 621-28 (1952)

139. The Effect of Various Anterior Pituitary Fractions on the Amino Acid Concentration of the Blood; Luck, J. M., Griffin, A. C., and Rinfret, A. P., *Stanford Med. Bull.*, 10, 179-83 (1952)

140. Electrophoretic Studies on the Water-soluble Proteins of Liver during Azo Dye Carcinogenesis in the Rat; Eldredge, Noreen T., and Luck, J. Murray, *Cancer Res.*, 12, 801-6 (1952); *Proc. Am. Assoc. Cancer Res.* 1, 35 (1953)

141. Determination of Ethanolamine in Urine; Luck, J. M. and Wilcox, Alan, *Fed. Proc.*, 12, No. 1 (March, 1953)

142. On the Determination of Ethanolamine in Urine and the Factors Affecting Its Daily Output; Luck, J. M. and Wilcox, Alan, *J. Biol. Chem.*, 205, 859-66 (1953)

143. Role of the Adrenals in Regulation of the Amino Acid Content of the Blood; Luck, J. M., Griffin, A. C., Wilson, Martha M., and Boer, Gerardina M., *J. Biol. Chem.*, Abstr. 19th Int. Congr.--Physiol., Montreal, 574 (1953)

144. Non-fibrous Desoxypentosenucleohistone from Liver. I. Preparation and Composition; Luck, J. M., Kupke, D. W., Rhein, A., and Hurd, M., *J. Biol. Chem.*, 205, 235-43 (1953)

145. Food Prices in Palo Alto; J. Murray Luck, *Science*, 118, No. 3065, 362-63, (1953)

146. Terminal Amino Acid Residues of Some Histones; Luck, J. M., Haley, M., Rhein, Alberta, and Cook, Hyla, *Proc. Am. Assoc. Cancer Res.*, 1, 35 (1953)

147. On the Endocrine Regulation of Blood Amino Acid Content; Luck, J. Murray, Griffin, A. Clark, Boer, G., and Wilson, M., *J. Biol. Chem.*, 206, No. 2, 767-77 (Feb., 1954)

148. Light and Heavy Histone; Luck, J. Murray, Cook, H. A., Eldredge, N., *Abstracts of Papers, XIIIth International Congress of Pure and Applied Chemistry, Stockholm, July 29 to Aug. 4, 1953, Uppsala, Aug. 5 to 7, 1953, p. 87*

149. First Teaching Institute of the Association of American Medical Colleges; Luck, J. Murray, Atlantic City, New Jersey, October 19-23 (1953)
150. Metabolism of the Carcinogen 3' methyl-4-dimethylaminoazobenzene; Nye, W. and Luck, J. Murray, *Abstracts of Papers, 124th Meet. Am. Chem. Soc.*, 110, Chicago (1953)
151. Scientific Progress Report, USPHS Grant C-484; Luck, J. Murray, Feb. 1., 1952 to May 1, 1954
152. Further Observations on the Endocrine Regulation of Blood Amino Acids; Griffin, A. Clark, Luck, J. Murray, Kulakoff, Vera, and Mills, Martha, *J. Biol. Chem.*, 209, 387-93 (July, 1954)
153. Non-fibrous Desoxyribose Nucleohistone from Liver. II. Sedimentation and Electrophoretic Properties; Kupke, Donald W., Eldredge, Noreen T., and Luck, J. Murray, *J. Biol. Chem.*, 210, 295-308 (Sept. 1954)
155. Editorial on the "Turnover" of Plasma Proteins; Luck, J. M., *Am. J. Med.*, XX, No. 3, 317-21 (1956)
156. Action of p-[Di(2-chloroethyl)]-amino-L-phenylalanine on Harding-Passey Mouse Melanoma; Luck, J. Murray, *Science*, 123, No. 3205, 984-85 (1956)
157. Perfluorooctanoic Acid Interactions with Human Serum Albumin; Nordby, Gordon L., and Luck, J. Murray, *J. Biol. Chem.*, 219, No. 1, 399-404 (1956)
158. Harry J. Deuel, Jr., Student of Nutrition; Luck, J. Murray, *Science*, 124, No. 3214, 209 (1956)
160. American Society of Biological Chemists, Golden Jubilee Celebration, Introductory Remarks; Luck, J. Murray, *Fed. Proc.*, 15, No. 2, 793-94 (1956)
161. On the Fractionation of Thymus Histone; Luck, J. M., Cook, H. A., Eldredge, N. T., Haley, M. I., Kupke, D. W., and Rasmussen, P. S., *Arch. Biochem. Biophys.*, 65, No. 1, 449-67 (1956)
162. Further Studies on the Factors that Affect Ethanolamine Output; Wilcox, A. A. and Luck, J. M., *Cancer Res.*, 16, No. 10, 926-29 (1956)
163. Progress Report, Grant No. C-2341, The Metabolic Significance of Ethanolamine and Ethanolamine Phosphate, especially in Normal and Neoplastic Growth; Luck, J. Murray, Sept. 1, 1954 to Dec. 31, 1956
164. Progress Report, USPHS Grant C-484, Nucleoproteins of Normal and Neoplastic Tissue; Luck, J. Murray, Feb. 1955 to Jan. 1957
165. Progress Report, Project Grant CH-40; Luck, J. Murray, July 1, 1956 to April 1957
166. Introduction: Luck, J. Murray, *Fed. Proc.*, 16, No. 2, 1S-2S (1957)
- 168 The Action of the Phenylalanine Mustards and of Several Homologs on Mouse Melanoma; Luck, J. Murray, *Cancer Res.* 17, No. 11, 1071-76 (1957)

169. The Decarboxylation of Amino Acids, Proteins, and Peptides by N-Bromosuccinimide; Chappelle, E.W., and Luck, J. M., *J. Biol. Chem.*, 229, No. 1, 171-79 (1957)
170. Man Against His Environment: The Next Hundred Years; Luck, J. M., *Science*, 126, No. 3279, 903-8 (1957)
171. Abstract of Paper Given for Pacific Slope Biochemical Conference; Nordby, G.L., and Luck, J. M., Aug. 31, 1957
172. Studies on Amino Acid-Protein Interactions; Cornwell, D.G., and Luck, J. M., *Arch. Biochem. Biophys.*, 73, 391-409, (1958).
173. Progress Report, USPHS Grant C-484, Basic Proteins of Cell Nuclei of Intact Animals and during Induced Cancer; Luck J. M., Jan. 1957 to June 1958
174. Progress Report USPHS. Grant C-2341, The Metabolic Relationships of Ethanolamine Phosphate; Luck, J. M., Sept. 1, 1957 -- June 1, 1958
175. Total Fractionation of Calf Thymus Histone; Luck, J. M., Rasmussen, P. S. and Satake, K., *Fed. Proc.*, 17, No. 1 (1958)
176. Synthesis of the Racemic and Optically Active Forms of alpha-Amino-gamma p di(beta-chloroethyl)aminophenyl-butyric Acid; Smith, H.E., and Luck, J. M., *J. Organic Chem.*, 23, 837-41 (1958)
177. Book of "Energy for Man" (H. Thirring); Luck, J. M., *Science*, 128, No. 3333, 1201 (1958)
178. Further Studies on the Fractionation of Calf Thymus Histone; Luck, J. M., Rasmussen, P. S. Satake, K., and Tsvetikov, A. N., *J. Biol. Chem.*, 233, No. 6, 1407-14 (1958)
179. The Spectrophotometric Determination of Arginine by the Sakaguchi Reaction; Satake, K., and Luck, J. M., *Bull. Soc.Chim. biol.*, XL, No. 12, 1743-56 (1958)
- 181 Arginine-Peptides Derived from Fractionated Histones; Satake, K., and Luck, J. M., *Fed. Proc.*, 18, No. 1 (1959)
182. Further Studies on the Bromodecarboxylation of Amino Acids with N-Bromosuccinimide; Konigsberg, N., Stevenson, G., and Luck, J. M., *J. Biol. Chem.*, 235, No. 5, 1341-45 (1960)
183. Arginine Peptides Obtained from Thymus Histone Fractions after Partial Hydrolysis with *Streptomyces griseus* Proteinase; Satake, K., Rasmussen, P. S., and Luck, J. M., *J. Biol. Chem.*, 235, No. 10, 2801-9 (1959)
184. Progress Report, USPHS Grant C-484, Proteins of Cell Nuclei; Luck, J. M., June, 1958 to July 1960
185. Further Observations on the Efficacy of Phenylalanine Mustards against Mouse Melanoma; Luck, J. M., *Cancer Res.*, 21, No. 2, 262-64 (1961)
186. The Bromodecarboxylation of Amino Acids: Formation of Nitriles; Stevenson, G.W., and Luck, J. M., *J. Biol. Chem.*, 236, No. 3, 715-17 (1961)

187. Scientific Progress Report, USPHS Grant C-484; Luck, J. M., May 1, 1954 to Feb. 1, 1955
188. Progress Report, USPHS Grant C-484, Luck, J. M., June 1958 to June 1961
190. On the Complexity of Calf Thymus Histone; Rasmussen, P. S., Murray, K., and Luck, J. M., *Biochemistry*, 1, 79-89 (1962)
191. Progress Report, USPHS Grant c-484; Luck, J. M., and Murray K., June 1958 to March 1962
192. An Unidentified Component of Hydrolysates of Certain Fractions of Calf Thymus Histone; Murray, K., and Luck, J. M., *Fed. Proc.*, 21, No. 2 (1962)
203. Histone Chemistry: The Pioneers; Luck, J. M., in Bonner, J. and Ts'o, P., eds. *The Nucleohistones*, pp. 3-12 (Holden-Day, Inc., San Francisco, CA, 1964)
204. The Hydrolysis of Arginine; Murray, K., Rasmussen, P. S., Neustaedter, J., and Luck, J. M., *J. Biol. Chem.*, 240, No. 2, 705-9 (1965)
205. The Occurrence of epsilon-N-Methyl Lysine in Histones; Murray, K., *Biochemistry*, 3, 10-15 (1964)
206. Final Report, USPHS Grant CA-484; Luck, J. M. and Murray, K., April 1962 to Dec. 1964
208. Impressions of the UNCAST Conference, Geneva, Feb. 1963; Luck, J. M.
209. International Science; Luck, J. M., Luncheon Meeting of the Swiss American Society, Bern, March 5, 1963
210. Some Aspects of the World Population Problem, Luck, J. M., Address to the Swiss Friends of the USA, Zurich, March 5, 1964
211. *Über die Histone*; Luck, J. M., Address to the Austrian Chemical Society, Vienna
212. *Science in Switzerland*, Luck, J. M. (Columbia Univ. Press, New York, 1967), 419 pp.