

A. Yibert Douglas

Lists of Publications

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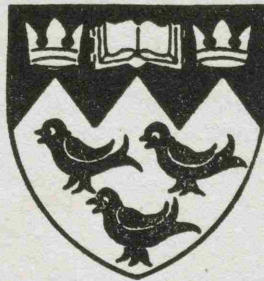
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SERIES I : LECTURES AND ADDRESSES

- * 1. RUTTAN, R. F. International co-operation in science.
Reprinted from *Proceedings and Transactions of the Royal Society of Canada*, 1920, third series, vol. xiv, appendix A, pp. xxxv-lvi.
- * 2. FRASER, D. J. Sir William Peterson. Montreal, 1921.
3. FRASER, D. J. The theological college and the university. Montreal, 1922.
4. RUTTAN, R. F. Presidential address.
Reprinted from the *Journal of the Society of Chemical Industry*, vol. 41, no. 13, July 15, 1922.
5. CURRIE, Sir A. W. The new Canadianism. Montreal, 1922.
6. PARKMAN centenary celebration at Montreal, November 13, 1923.
7. TRAQUAIR, Ramsay. "Art teaching" and drawing in the schools.
Reprinted from *The Teachers' Magazine*, Montreal, vol. 8, no. 30, February, 1926.
8. CURRIE, Sir A. W. Canada needs a super-civil service.
MacLean's Magazine, vol. xxxvii, no. 21, November 1, 1924.
9. SMITH, H. A. Judicial control of legislation in the British Empire.
Reprinted from the *Yale Law Journal*, January, 1925, vol. 34, no. 3, pp. 277-286.

SERIES II : BOTANY

- * 1. LLOYD, F. E. The abscission of flower-buds and fruits in gossypium, and its relation to environment changes.
Reprinted from *Transactions of the Royal Society of Canada*, section iv, May, 1916. pp. 55-61.
- * 2. LLOYD, F. E. The origin of ascidia under quasi-experimental conditions.
Reprinted from *Transactions of the Royal Society of Canada*, section iv, 1917, pp. 71-80.
- * 3. LLOYD, F. E. The colloidal properties of protoplasm; inhibition in relation to growth.
Reprinted from *Transactions of the Royal Society of Canada*, section iv, 1917. pp. 133-139.
- *4-5. STANSFIELD, J. The problem of the "burn-out" district of southern Saskatchewan (no. 4.)
DERICK, C. M. Two plant associations from areas near Radville, Saskatchewan (no. 5.)
(bound together.)
Reprinted from *Transactions of the Royal Society of Canada*, section iv, 1919, pp. 61-73.
6. LLOYD, F. E. Environmental changes and their effect upon boll-shedding in cotton.
(gossypium herbaceum.)
Reprinted from *Annals of New York Academy of Science*, vol. xxxix, pp. 1-131.
- * 7. LLOYD, F. E. Growth in eriogonum nudum in relation to environmental factors.
Reprinted from *Transactions of the Royal Canadian Institute*, Toronto, vol. xiii, no. 1, pp. 211-244.
- * 8. LLOYD, F. E. Abscission of fruits in juglans californica quercina.
Reprinted from *Transactions of the Royal Society of Canada*, section v, 1920, pp. 17-22.
- * 9. LLOYD, F. E. On the mutual precipitation of dyes and plant mucilages.
Reprinted from *Transactions of the Royal Society of Canada*, section v, 1920, pp. 23-31.
10. LLOYD, F. E. and SCARTH, G. W. An introductory course in general physiology.
Montreal, September, 1921.
11. LLOYD, F. E. The structure of cereal straws.
Rearranged and reprinted from the *Pulp and Paper Magazine*, vol. xix, 1921. pp. 953-4, 73-6, 1002-4, 1025-6, 1048-60, 1071-5.

12. LLOYD, F. E. The mode of occurrence of tannin in the living cell.
Reprinted from *The Journal of the American Leather Chemists Association*, September, 1922, pp. 430-450.
13. DICKSON, B. T. Studies concerning Mosaic diseases, with more especial reference to the pathological histology.
Ph.D. thesis, 1922, McGill University.
14. LLOYD, F. E. The occurrence and functions of tannin in the living cell.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvi, May, 1922, pp. 1-13.
15. LLOYD, F. E. and SCARTH, G. W. The bog-forests of Lake Memphramagog: their destruction and consequent successions in relation to water levels.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvi, 1922, pp. 45-48.
16. LLOYD, F. E. and SCARTH, G. W. River-bank and beach vegetation of the St. Lawrence river below Montreal in relation to water-levels.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvi, 1922, pp. 49-50.
17. SCARTH, G. W. A study of induced changes in form of the chloroplasts of spirogyra and mougeotia.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvi, 1922, pp. 51-55.
18. LLOYD, F. E. The cytology of vegetable crystals.
Reprinted from *Science*, vol. lvii, no. 1470, March 2, 1923, pp. 273-274.
19. SCARTH, G. W. Adhesion of protoplasm to cell wall and the agents which cause it.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvii, 1923, pp. 137-143.
20. LLOYD, F. E. Fluorescence in the cyanophyceæ.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xvii, 1923, pp. 129-136.
21. LLOYD, F. E. The fluorescence of certain lower plants.
Reprinted from *Nature*, July 28, 1923.
22. LLOYD, F. E. A method of ultramicroscopy whereby fluorescence in the cyanophyceæ and diatomaceæ may be demonstrated. (no. 22.)
Ultramicroscopically observable fluorescence (no. 23.)
(bound together.)
Reprinted from *Science*, August 3, 1923, vol. lviii, no. 1492, pp. 91-92, and September 21, 1923, no. 1499, pp. 229-230.
24. LLOYD, F. E. The fluorescent colors of plants.
Reprinted from *Science*, March 14, 1924, vol. lix, no. 1524, pp. 241-248.
25. LLOYD, F. E. Some effects of narcotics on spirogyra.
Reprinted from *Anesthesia and Analgesia*, February, 1924.
26. SCARTH, G. W. Colloidal changes associated with protoplasmic contraction.
Reprinted from the *Quarterly Journal of Experimental Physiology*, vol. xiv, nos. 1 and 2, April, 1924, pp. 99-113.
27. SCARTH, G. W. The action of cations on the contraction and viscosity of protoplasm in spirogyra.
Reprinted from the *Quarterly Journal of Experimental Physiology*, vol. xiv, nos. 1 and 2, April, 1924, pp. 115-122.
28. SCARTH, G. W. The toxic action of distilled water and its antagonism by cations.
Reprinted from the *Transactions of the Royal Society of Canada*, series iii, 1924, vol. xviii, pp. 97-104.
29. LLOYD, F. E. The vegetation of Canada.
Reprinted from the *Handbook of the British Association for the Advancement of Science*, Toronto, 1924, pp. 207-228.

30. LLOYD, F. E. Conjugation in spirogyra (preliminary summary.)
Reprinted from the *Transactions of the Royal Canadian Institute*, Toronto, vol. xv, part 1, pp. 129-134, 1924.
31. SCARTH, G. W. Can the hydrogen ion concentration of living protoplasm be determined?
Reprinted from *Science*, November 7, 1924, vol. lx, no. 1558, pp. 431-432.
32. LLOYD, F. E. The cobalt sodium hexanitrite reaction for potassium in plant cells.
Reprinted from *Flora oder Allgemeine Botanische Zeitung*, N.F. 18 and 19. Band.
33. SCARTH, G. W. The penetration of cations into living protoplasm.
Reprinted from the *American Journal of Botany*, xii, March, 1925, pp. 133-148.
34. SCARTH, G. W. The elasticity of gelatin in relation to pH and swelling.
Reprinted from the *Journal of Physical Chemistry*, vol. xxix, August 1925, pp. 1009-1022.
35. LLOYD, F. E. Sexual reproduction in water silk.
Reprinted from *The Science Monthly*, April, 1926, vol. xxii.
36. LLOYD, F. E. Some features of structure and behaviour in vampyrella lateritia
37. (no. 36.)
The origin of vacuoles (no. 37.) (bound together.)
Reprinted from *Science*, April 2, and April 30, 1926, vol. lxiii.
38. LLOYD, F. E. Maturation and conjugation in spirogyra longata.
Reprinted from the *Transactions of the Royal Canadian Institute*, vol. xv, 1926, pp. 151-193.
39. LLOYD, F. E. Studies on spirogyra: 1. Additional studies on conjugation.
Reprinted from the *Transactions of the Royal Society of Canada*, section v, 1926, pp. 75-110.
40. LLOYD, F. E., and ULEHLA, V. The rôle of the wall in the living cell as studied by the auxographic method, I.
Reprinted from the *Transactions of the Royal Society of Canada*, section v, 1926, pp. 45-73.
41. DICKSON, B. T. The "black dot" disease of potato.
Reprinted from *Phytopathology*, January, 1926, vol. xvi, no. 1, pp. 23-40.
42. SCARTH, G. W. The influence of external osmotic pressure and of disturbance of the cell surface on the permeability of spirogyra for acid dyes.
43. Reprinted from *Protoplasma, Internationale Zeitschrift für Physikalische Chemie des Protoplasten*, Band I, Heft. 2. (no. 42.)
The mechanism of accumulation of dyes by living cells.
Reprinted from *Plant Physiology*, vol. i, no. 3. (no. 43.) (bound together).
44. LLOYD, F. E. Plantation rubber, its source and acquisition.
Reprinted from *The Scientific Monthly*, September, 1926, vol. xxiii, pp. 268-278.

SERIES III : CHEMISTRY

- * 1. RUTTAN, R. F. Margoric acid and its relations to palmitic and stearic acid.
Reprinted from *Original Communications, Eighth International Congress of Applied Chemistry*, Washington, D.C., 1912, vol. xxv, p. 431.
- * 2. RUTTAN, R. F. and ROEBUCK, J. R. Fat acid esters of ethylene glycol.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. ix, June, 1915.
- * 3. HARDING, V. J. and WARNEFORD, F. H. S. The ninhydrin reaction with amino-acids and ammonium salts.
Reprinted from *The Journal of Biological Chemistry*, vol. xxv, no. 2, June, 1916, pp. 319-335.
- * 4. HARDING, V. J. and MACLEAN, R. M. The ninhydrin reaction with amines and amides.
Reprinted from *The Journal of Biological Chemistry*, vol. xxv, no. 2, June, 1916, pp. 337-350.
5. RUTTAN, R. F. and MARSHALL, M. J. The composition of adipocere.
Reprinted from the *American Journal of Biological Chemistry*, vol. xxix, no. 2, 1917, pp. 319-327.

- * 6. RUTTAN, R. F. Human adipocere.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1916, pp. 169-170.
7. HATCHER, W. H. and SKIRROW, F. W. The compounds of phenol and the cresols with pyridine.
Reprinted from *Journal of the American Chemical Society*, vol. xxxix, no. 9, September, 1917, pp. 1939-1977.
- * 8. HARDING, V. J. and MASON, E. H. The estimation of chlorides in body fluids.
Reprinted from *The Journal of Biological Chemistry*, vol. xxxi, no. 1, 1917, pp. 55-58.
- * 9. HARDING, V. J., MACLEAN, R. M. and WARNEFORD, F. H. S. A study of the ninhydrin reaction.
Reprinted from *The Journal of Biological Chemistry*, vol. xx, no. 3, 1915, pp. 217-230; vol. xxiv, no. 4, 1916, pp. 503-517; vol. xxv, no. 2, 1916, pp. 319-350; vol. xxx, no. 2, 1917, pp. 205-208.
10. SKIRROW, F. W. The estimation of phenol in crude carbolic acid and in coal-tar oils.
Reprinted from *Journal of Industrial and Engineering Chemistry*, vol. ix, no. 12, p. 1102, December, 1917.
- * 11. HOWE, L. H. Stearic and palmitic esters of the isomeric propylene glycola.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1918, p. 13-18.
12. SKIRROW, F. W. and BINMORE, T. V. The compounds of phenol and the cresols with pyridine. II.
Reprinted from *Journal of American Chemical Society*, vol. xl, no. 9, 1918, pp. 1431-1442.
- * 13. MAASS, O. An automatic device for the make and break of electrical currents.
Reprinted from *Transactions of the Royal Society of Canada*, series iii, vol. xi, 1917, pp. 137-138.
- * 14. MAASS, O. and RUSSELL, J. Unsaturation and molecular compound formation.
Reprinted from *Journal of American Chemical Society*, vol. xl, no. 10, 1918, pp. 1561-1573.
- * 15. MAASS, O. and RUSSELL, J. An accurate method for measuring the density of gases.
Reprinted from *Journal of American Chemical Society*, vol. xl, no. 12, 1918, p. 1847-1852.
- * 16. WHITBY, G. S. Moisture in raw rubber.
Reprinted from the *Journal of the Society of Chemical Industry*, August 31, 1918, pp. 278-280.
17. MAASS, O. Automatic variation of gas pressure and its application to a vacuum pump, circulation of gases, magnetic stirrer.
Reprinted from *Journal of the American Chemical Society*, vol. xli, no. 1, January 1919, pp. 53-59.
- * 18. KRIEBLE, V. K. and BERGEIM, O. Study of the metabolism in multiple exostoses.
Reprinted from *The Journal of Biological Chemistry*, vol. xxxvii, no. 1, 1919, pp. 179-185.
- * 19. HARDING, V. J. and FORT, C. A. The amino-acids of mature human placenta.
HARDING, V. J. and YOUNG, E. G. Action of enzymes on human placenta.
HARDING, V. J. and YOUNG, E. G. Placental feeding and purine metabolism.
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Reprinted from *Journal of Biological Chemistry*, vol. xxxv, no. 1, 1918, pp. 29-41; vol. xxxvi, No. 3, 1918, pp. 575-580; vol. xl, No. 1, 1919, pp. 227-242.
- * 20. MAASS, O. Sulfuric acid concentrator and vacuum pump.
Reprinted from *Journal of the American Chemical Society*, vol. xlii, no. 12, December, 1920, pp. 2571-2574.
- * 21. MAASS, O. and HATCHER, W. H. The properties of pure hydrogen peroxide. I.
Reprinted from *Journal of the American Chemical Society*, vol. xlii, no. 12, December, 1920, pp. 2548-2569.
- * 22. MAASS, O. and HERZBERG, O. W. The properties of pure hydrogen peroxide, II.
Reprinted from *Journal of the American Chemical Society*, vol. xlii, no. 12, December, 1920, pp. 2569-2570.
- * 23. MAASS, O. and RUSSELL, J. A hydrate of an oxonium compound.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1919, pp. 259-264.
- * 24. MAASS, O. Note on a modified form of freezing apparatus.
Reprinted from *Transactions of Royal Society of Canada*, section iii, 1919, pp. 97-99.
- * 25. WHITBY, Stafford. Variation in hevea brasiliensis.
Reprinted from *Annals of Botany*, vol. xxxiii, no. cxxxii, July, 1919, pp. 213-321.
- * 26. RUTTAN, R. F. and HOWE, L. I. Composition of bog butter compared with that of adipocere.
Reprinted from *Journal of American Society of Biological Chemists*, 1921, vol. xli, no. 3, pp. 26-27.
- * 27-28. MAASS, O. and WRIGHT, C. H. A variable resistance (no. 27.) Some physical properties of hydrocarbons containing two and three carbon atoms (no. 28) (bound together).
Reprinted from *Journal of the American Chemical Society*, vol. xliii, no. 5, May, 1921, pp. 1098-1111.
29. MAASS, O. and RUSSELL, J. Unsaturation and molecular compound formation, II.
Reprinted from *Journal of the American Chemical Society*, vol. xliii, no. 6, June, 1921, pp. 1227-1230.
- * 30. WHITBY, G. S. and WALKER, O. J. Influence of certain organic accelerators on vulcanisation of rubber.
Reprinted from *Journal of Industrial and Engineering Chemistry*, vol. 13, no. 9, September, 1921, p. 816.
- * 31. RUTTAN, R. F. A plan for the development of industrial research in Canada.
Reprinted from the *Journal of Industrial and Engineering Chemistry*, vol. 13, no. 10, October, 1921, p. 876.
- * 32. SEYER, W. F. A chemical investigation of the asphalt in the sands of Northern Alberta. Thesis presented to the Committee on Graduate Studies as partial requirements for the degree of Doctor of Philosophy, Montreal, 1922.
- * 33. WHITBY, G. S. Some new reactions for the detection of sterols.
Reprinted from the *Biochemical Journal*, vol. 17, no. 1, 1923.
- * 34. MAASS, O. and BOOMER, E. H. Vapor densities at low pressures and over an extended temperature range. 1. The properties of ethylene oxide compared to oxygen compounds of similar molecular weight.
Reprinted from *Journal of the American Chemical Society*, vol. 44, no. 8, August, 1922, pp. 1709-1728.
- * 35. MAASS, O. and HATCHER, W. H. The properties of pure hydrogen peroxide, III.
Reprinted from *Journal of the American Chemical Society*, vol. 46, no. 11, November, 1922, pp. 2472-2480.
36. BARBOUR, H. G. Some chemical bearings of pharmacology.
Reprinted from *Science*, March 23, 1923, vol. lxii, no. 1473.
37. WHITBY, G. S. and CAMBRON, A. The influence of bases on the activity of vulcanisation accelerators (no. 37.)
38. WHITBY, G. S. and WINN, A. R. The acidity of raw rubber (no. 38) (bound together.)
Reprinted from the *Journal of the Society of Chemical Industry*, August 10, 1923, vol. xlii, no. 32, pp. 333-339.
39. MAASS, O., BOOMER, E. H., and MORRISON, D. M. Unsaturation and molecular compound formation, III.
Reprinted from *Journal of the American Chemical Society*, vol. xlv, no. 6, June, 1923, pp. 1433-1438.
40. WHITBY, G. S. Accelerators of vulcanisation.
Reprinted from *Industrial and Engineering Chemistry*, vol. 15, no. 10, October, 1923, p. 1005.
41. HATCHER, W. H. Hydrogen peroxide as an oxidising agent in acid solution.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1923, pp. 119-124.
42. MAASS, O. and MORRISON, D. M. Oxonium compounds in the vapour state. Methyl ether-hydrogen chloride (no. 42.) The existence of a compound, hydrogen bromide-methyl ether, in the vapour state (No. 43.) (bound together.)
43. Reprinted from *Journal of the American Chemical Society*, vol. xlv, no. 7, July, 1923, pp. 1675-1682,—and—*Transactions of the Royal Society of Canada*, section iii, 1923, pp. 47-52.

44. MAASS, O. and HIEBERT, P. G. The properties of pure hydrogen-peroxide, IV. Action of the halogens and halogen-hydrides.
Reprinted from *Journal of American Chemical Society*, vol. xlvi, no. 2, February, 1924.
- *45. LOGAN, J. F. The protein matter of bile.
Reprinted from *The Journal of Biological Chemistry*, vol. lviii, no. 1, November, 1923.
46. MCKINNEY, J. F. The constitution of kerogen.
Reprinted from *Journal of the American Chemical Society*, vol. xlvi, no. 4, April, 1924.
47. MAASS, O. Molecular attraction and molecular combination.
Reprinted from the *Journal of the Franklin Institute*, August, 1924.
48. JOHNSON, F. M. G. and LAROSE, P. The diffusion of oxygen through silver (no. 48.)
49. DOLID, J. Simple device for sodium flame (no. 49.) (bound together.)
Reprinted from *Journal of the American Chemical Society*, vol. xlvi, no. 6, June, 1924,—
and—*Industrial and Engineering Chemistry*, vol. 16, no. 1, p. 53, January, 1924.
50. WHITBY, G. S. and MATHESON, G. L. Some heavy-metal salts of disubstituted dithiocarbamic acids (no. 50.)
51. MACALLUM, A. D. and WHITBY, G. S. Note on the molecular refraction of natural and methyl rubber (no. 51.)
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1924, pp. 111-114 and 191-193.
52. HATCHER, W. H. and HOLDEN, G. W. Hydrogen peroxide as an oxidising agent in acid solution, II.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1924, pp. 231-246.
53. MAASS, O. and MORRISON, D. M. Effect of molecular attractions on the total pressure of a gas mixture.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1924, pp. 49-55.
54. WHITBY, G. S. The acidity of raw rubber.
Reprinted from *The Rubber Age*, October, 1924.
55. MAASS, O. and HIEBERT, P. G. The properties of pure hydrogen peroxide, V. Vapor pressure (no. 55.)
57. MAASS, O. and WRIGHT, C. H. Molecular attraction and velocity of reactions at low temperature of unsaturated hydrocarbons (No. 56.)
MAASS, O. and WALDBAUER, L. J. The specific heats and latent heats of fusion of ice and of several organic compounds (no. 57.)
Reprinted from *Journal of the American Chemical Society*, vol. xlvi, no. 12, December, 1924, and vol. xlvi, no. 1, January, 1925. pp. 2693-2700, 2664-2673, 1-9.
58. MUNRO, L. A. and JOHNSON, F. M. G. The absorption of vapors by alumina.
Reprinted from *Industrial and Engineering Chemistry*, vol. 17, no. 1, p. 88, January, 1925.
59. WHITBY, G. S. and JANE, R. S. The electro-viscous effect in rubber sols.
Reprinted from *Colloid Symposium Monograph*, pp. 16-28, 1925.
60. STEACIE, E. W. R. and JOHNSON, F. M. G. The viscosities of the liquid halogens.
Reprinted from *Journal of the American Chemical Society*.
61. HATCHER, W. H. and HOLDEN, G. W. Hydrogen peroxide as an oxidising agent in acid solution, III.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1925, pp. 11-19.
62. WHITBY, G. S. and SIMMONS, H. E. Vulcanisation accelerators, I.
Reprinted from *Industrial and Engineering Chemistry*, vol. 17, no. 9, September, 1925, p. 931.
63. MAASS, O., and SIVERTZ, C. Molecular attraction and velocity of reactions.
Reprinted from *Journal of the American Chemical Society*, December 12, 1925, pp. 2883-2891.
64. WHITBY, G. S. Organophile colloids.
Reprinted from *Canadian Chemistry and Metallurgy*, December, 1925.
65. ATKINSON, H. J. Miscibility tests in the detection of adulterated butter (no. 65.)
66. LEDUC, J. A. Turbidity tests on butterfat and its substitutes (no. 66) (bound together.)
Reprinted from *Canadian Chemistry and Metallurgy*, August, 1926.

67. MUNRO, L. A. and JOHNSON, F. M. G. The absorption of vapors of alumina.
Reprinted from the *Journal of Physical Chemistry*, vol. 30, no. 2, February, 1926, pp. 172-188.
68. MAASS, O. and MENNIE, J. H. Aberrations from the ideal gas laws in systems of one and two components.
Reprinted from the *Proceedings of the Royal Society, A*, vol. 110, pp. 198-232.
69. MAASS, O. and BARNES, W. H. Some thermal constants of solid and liquid carbon dioxide.
Reprinted from the *Proceedings of the Royal Society, A*, vol. iii, pp. 224-244.
70. WHITBY, G. S., and CHATAWAY, H. D. A study of the action of sulphur on linseed oil.
Reprinted from the *Journal of the Society of Chemical Industry*, May 7, 1926, vol. xlv, no. 19.
71. WHITBY, G. S., DOLID, JACOB, and YORSTON, F. H. The resin of hevea rubber.
Reprinted from the *Journal of the Chemical Society*, 1926, clxxxix, pp. 1448-1457.
72. WHITBY, G. S. Some fatty acid derivatives.
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73. WHITBY, G. S. and JANE, R. S. The reaction between caoutchouc and sulphur.
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74. STEACIE, E. W. R. and JOHNSON, F. M. G. The solubility and rate of solution of oxygen in silver.
Reprinted from the *Proceedings of the Royal Society, A*, vol. 112, pp. 543-558.
75. WHITBY, G. S. and GREENBERG, H. Significance of the resin of hevea rubber in vulcanisation and in the ageing of raw rubber.
Reprinted from *Industrial and Engineering Chemistry*, vol. 18, no. 11, November, 1926, p. 1168.
76. WHITBY, G. S. Organophile colloids.
Reprinted from *Colloid Symposium Monograph*, vol. iv, New York, 1926, pp. 203-223.

SERIES IV : ENGINEERING

1. BATHO, Cyril. The torsion of solid and hollow prisms and cylinders.
Reprinted from *Engineering*, November 24 and December 1, 1916.
2. BATHO, Cyril. The partition of the load in riveted joints.
Reprinted from the *Journal of the Franklin Institute*, November, 1916.
3. ABO, C. V. von. Secondary stresses in bridges.
Reprinted from *Proceedings of the American Society of Civil Engineers*, September, 1924, pp. 969-1117.
4. THOMSON, L. R. The fuel problem in Canada.
Reprinted from *The Engineering Journal*, February, 1926.
5. MACKAY, H. M. Steel I-beams haunched with concrete.
Reprinted from *The Canadian Engineer*, Nov. 30, 1926.

SERIES V : GEOLOGY, MINERALOGY AND METALLURGY

- * 1. STANSFIELD, John. Retarded diffusion and rhythmic precipitation.
Reprinted from the *American Journal of Science*—fourth series. vol. xliii, no. 253, January, 1917.
- * 2. ADAMS, F. D. and BANCROFT, J. A. On the amount of internal friction developed in rocks during deformation and on the relative plasticity of different types of rocks.
KING, L. Vt. On the mathematical theory of the internal friction and limiting strength of rocks under conditions of stress existing in the interior of the earth.
Reprinted from the *Journal of Geology*, vol. xxv, no. 7, October-November, 1917, pp. 597-658.

- * 3. GRAHAM, R. P. D. Origin of massive serpentinite and chrysotile-asbestos, Black Lake-Thetford area, Quebec.
Reprinted from *Economic Geology*, vol. xii, no. 2, February-March, 1917, pp. 154-202.
- * 4. GRAHAM, R. P. D. The determination of the specific gravity of mineral fragments by heavy liquids.
Reprinted from *Transactions of the Royal Society of Canada*, section iii, 1917, pp. 51-53.
5. GRAHAM, R. P. D. On Ferrierite, a new zeolitic mineral, from British Columbia; with notes on some other Canadian minerals.
Reprinted from *Transactions of the Royal Society of Canada*, section iv, 1918, pp. 185-201.
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boiler and the lower end to a piece of glass tubing, and apply heat to the boiler. See that the water-trap is free of water. Weigh the calorimeter, half-full of water at about 10°C . below room temperature, and the stirrer, and place them inside the protecting vessel. When the steam is blowing through the glass tubing in a vigorous stream from the boiler, observe the temperature of the calorimeter, and quickly insert the glass tube through the wooden cover into the water. If the boiler is tight the steam will flow into the water with considerable noise and condense. When the temperature of the water has risen about 10°C . above room temperature, quickly remove the steam tube, stir well and record its highest temperature. Finally, weigh the calorimeter and its contents.

IV. Repeat part III.

Report: Tabulate all your observations, and calculate the latent heat in each case. Typical equations used in the calculations should be given.

Compare the values (average) of the latent heats of fusion and of vaporization of water with those given in standard tables.

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2. LECTURES

The following list contains a statement of lectures other than regular University work given by members of the Staff. It contains only such titles as were reported for the period June 1, 1930, to May 31, 1931, in response to a notice sent from the Library in April, 1931, by direction of the Principal.

ABBOTT, MAUDE E.

Address before the Medical Women's Club of Chicago. Chicago, Ill., April 8, 1931.

Demonstration exhibit on congenital disease and the collections of the Canadian Army Medical Association, British Medical Association, Winnipeg, Man., August 26-28, 1930.

Florence Nightingale and the history of nursing. Lyceum Lecture, Montreal West, Que., November 11, 1930.

Illustrated address on the life of Sir William Osler and his bibliography. Chicago, Ill., April 6, 1931.

Illustrated lecture on Sir William Osler with personal reminiscences. Medico-Historical Club of University of Illinois, Chicago, Ill., April 8, 1931.

Meeting of International Association of Medical Museums and exhibition of material illustrating programs of American Association of Pathologists and Societies meeting conjointly, Cleveland, Ohio, April 1-3, 1931.

Travelogue on Italy and Dalmatia. Undergraduates in Medicine, Monteregian Club, Montreal, February 7, 1931.

ADAIR, E. R.

The Pyrenees. Mechanics' Institute, Montreal, November 6, 1930.

The seventeenth century in English history, Miss Edgar's and Miss Cramp's School, Montreal, April 29, 1931; Notre Dame de Grace Women's Club, Victoria Hall, Westmount, Que., November 7, 1930; Stanstead, Que., February 13, 1931.

ALLEN, C. F. H.

Chemistry in everyday life. McGill Juvenile Lecture, December 30, 1930.

The natural and synthetic musks. McGill Chemical Society, October 10, 1930.

Natural and synthetic perfumes. Ottawa Section, Society of Chemical Industry, January 8, 1931; Shawinigan Falls Section, S.C.I., March 16, 1931; Montreal Section, S.C.I., December 3, 1930; Macdonald College, December 10, 1930.

ARCHIBALD, E. W.

Carcinoma of the common duct and head of pancreas, an analysis of thirty-five cases. District Medical Meeting of the Ontario Medical Association, Ottawa, October 24, 1930.

A general consideration of the surgical treatment of pulmonary tuberculosis. Connecticut State Medical Society, New Haven, September 16, 1930.

The mode of causation of post-operative pulmonary infections. Boston Surgical Society, Boston, November, 1930.

Obiter dicta upon the surgical treatment of tuberculous and non-tuberculous infections of the lung, together with remarks concerning specialization in thoracic surgery. British Medical Association, Winnipeg, August, 1930.

The selection of cases for the surgical treatment of tuberculosis. Pittsfield, Mass., January, 1931.

BABKIN, BORIS P.

Factors regulating the gastric secretion. Duke University, Durham, North Carolina, February 11, 1931.

Mechanism of the gastric secretion. New York Academy of Medicine, New York, April 2, 1931.

Nervous and humoral control of the gastric secretion. Queen's University, Kingston, Ont., November 21, 1930.

New facts concerning the activity of the digestive glands. University of Virginia, February 9, 1931.

BARNES, W. H.

Theory and practice of X-ray analysis. Society of Chemical Industry, Montreal section, February 5, 1931; Ottawa section, February 4, 1931.

BARTON, G. S. H.

Agriculture in the Ottawa Valley. Ottawa Valley Seed Fair Association, Pembroke, Ont., March 5, 1931.

Country life. Young People's Society, Hemmingford, Que., January 20, 1931.

The milk situation in Montreal. District of Beauharnois Dairymen's Association, Howick, Que., April 10, 1931.

Professional agriculture. Nova Scotia Agriculture College Closing Exercises, Truro, N.S., April 23, 1931.

Prospects for agriculture. Short Course, Lachute, Que., February 20, 1931.

BEATTIE, JOHN

The function of the cephalic part of the mesencephalic nucleus of the trigeminal nerve. International Congress of Anatomy, Amsterdam, August, 1930.

The hypothalamus. Yale Medical Society, New Haven, April, 1931.

The miasmas of medicine. McGill Undergraduate Medical Society, January, 1931.

The sensory components of the oculomotor nerve. Anatomical Society of Great Britain and Ireland, London, June, 1930.
Visceral pain. Charlottetown Medical Society, November, 1930.

BELL, MARJORIE

Budgetting for families with a low income. Graduation class, Children's Memorial Hospital, Montreal, March 13, 1931.

The place of a nutritionist in a public health nursing organization. Annual Meeting, Registered Nurses of Ontario. Kitchener, Ont., April 10, 1931.

The relation of nutrition to maternal welfare. The Community Health Association, Toronto, Ont., March 11, 1931; Provincial Department of Health of Ontario, Toronto University, May 26, 1931.

BIRCHARD, C. C.

Arterio sclerotic heart disease. Medicine Hat, Alta., Lethbridge, Blairmore, Calgary, Red Deer, Drumheller, Edmonton, Ponoka, Stettler, Wainwright, and Camrose, October and November, 1930.
Cardiac arrhythmias. Medicine Hat, Alta., Lethbridge, Blairmore, Calgary, Red Deer, Drumheller, Edmonton, Ponoka, Stettler, Wainwright, and Camrose, October and November, 1930.

BOURNE, WESLEY

The effects of amytal and avertin on the blood, the temperature, and the functions of the liver and kidneys. Ninth Annual Congress of Anaesthetists, Philadelphia, October 15, 1930.

The effects of sodium amytal on liver function; the rate of secretion and composition of the urine; the reaction, alkali reserve, and concentration of the blood; and the body temperature. Montreal Medico-Chirurgical Society, April 25, 1930.

BRAMLEY-MOORE, A.

Injuries to the eyes. Canadian Ambulance Association, March 25, 1931; Canadian Industrial Medical Association, April 25, 1931.

BROWNRIGG, N. E.

Teaching the French course of study in a rural school. Rural Elementary Section of the Annual Convention, P.A.P.T., October 3, 1930.

BUNTING, T. G.

Beautifying the home and town; illustrated in colours. Lennoxville, Que., May 8, 1931. Landscape planting for the home surroundings; illustrated in colours. Mechanics Institute, Montreal, February 26, 1931.

CLAXTON, B. B.

How Canada is governed—federal and provincial powers. St. George's Club, Drummondville, Que., March 26, 1931.

The Privy Council and Canada. McGill Alumnae Society, March 16, 1931.

The Privy Council as a final court of appeal. Mechanics' Institute, Montreal, February 12, 1931.

CORBETT, P. E.

Canada's concern in American foreign policy. Harris Foundation, University of Chicago, June 16-30, 1930.

The future of the British Empire. Foreign Policy Association, Buffalo, N.Y., February 21, 1931.

CRAMPTON, EARLE W.

Better livestock feeding. Agricultural Short Course, Chapeau, Que., March 12, 1931. Feeding dairy cattle. Ayrshire Club, Lachute, Que., January 9, 1931.

Heredity, nature's game of chance. Mechanics' Institute, Montreal, February 17, 1931.

The importance of balance in the dairy ration. Kemptville Dairyman's Meeting, Kemptville, Ont., March 27, 1931.

It pays to feed well. Agricultural Short Course, Shawville, Que., March 11, 1931.

Making most of our common feeds. Broadcast, CKAC, Montreal, December 12, 1930.

A new tool for livestock breeders. Broadcast, CKAC, Montreal, March 18, 1931.

The protein level in dairy cattle meal mixtures. Agricultural Short Course, Lachute, Que., March 2, 1931.

DAY, J. P.

Causes of general movements in security values. Course for Counsel Club, Montreal, February and March, 1931.

The economic importance of gold. Canadian Institute of Mining and Metallurgy, Montreal Branch, February 27, 1931. (Broadcast).

The elements of economics. Course for the Montreal Board of Trade, October, 1930-April, 1931.

The significance of the rationalisation movement in industry. Canadian Society of Cost Accountants and Industrial Engineers, Montreal Branch, April 17, 1931. (Broadcast).

DOUGLAS, A. V.

Astronomy, ancient and modern. McGill Extension Lecture, St. Andrew's East, P.Q., January 23, 1931.

The challenge of astronomy. Women's Alliance, Church of Messiah, Montreal, December 10, 1930.

The constellations. McGill Extension Lecture, King's Hall, Compton, P.Q., January 28, 1931.

Cyanogen in stellar atmospheres. Royal Astronomical Society of Canada, and Royal Society of Canada, Toronto, May 21, 1931

Jeans and Eddington. Royal Astronomical Society of Canada, Ottawa, November 28, 1930.

The pole star. National Council of Education. Broadcast over CKAC, Montreal, March 13, 1931.

Religion and the scientific method. S. C. A., McGill University, Montreal, January 19, 1931.

Spectroscopic investigation of felspars. Royal Society of Canada, Toronto, May 20, 1931.

The stars and starlight. Boy Scouts' Association, Montreal. February 19, 1931.
The sun and its family. McGill Extension Lecture, Howick, P.Q., November 14, 1930.

DWORKIN, S.

Cats surviving sympathectomy, a demonstration. Annual Meeting, Federation of American Societies for Experimental Biology, Montreal, April, 1931.

ELDER, H. M.

Head injuries. County Medical Society, St. Johnsbury, Vt., January 17, 1931.

The injection treatment of varicose veins. Graduate Nurses' Society, Montreal, April 7, 1931.

EVANS, N. N.

Recent progress in the foundations of physics and chemistry. Heather Curling Club, Westmount, Que.,

EVE, A. S.

Buried treasure. National Council of Education, Radio Lecture, CKAC, April 11, 1931.

Flying and flight. Department of Extra-Mural Relations, St. George's Club, Drummondville, P.Q., March 5, 1931.

A magnetic method of estimating the height of magnetic bodies under the earth. Royal Society of Canada, Ottawa, May 21, 1931.

Northern lights. Department of Extra-Mural Relations, Quebec Lecture Series, January, 1931.

FLEMING, A. GRANT

Diet and health. Annual meeting, Montreal Diet Dispensary, January 20, 1931.

Diphtheria. Radio Broadcast Station CKAC, Provincial Hour, July 11, 1930.

Five minutes on health. Five minute radio talks over trans-Canada broadcast through co-operation of Canadian National Railways and Canadian Medical Association. Montreal, February 5 to date. Fortnightly.

Health and sanitation. Camp Councillors, Y.W.C.A., Montreal, February 3, 1931.

Keeping well. Montreal Council of Social Agencies, Federation Campaign, October 29, 1930. Radio Broadcast.

The medical practitioner as a health educator. Ontario Medical Association, Annual Meeting, Niagara Falls, Ont., May 29, 1931.

Modern health problems. Student Nurses, Montreal General Hospital, March 16, 1931. The nurse in public health. Graduation exercises, Verdun Protestant Hospital, June 6, 1930.

The prevention of tuberculosis. Radio broadcast, Provincial Hour, CKAC, La Presse, Montreal, June 13, 1930.

Public health. Course of lectures to Victorian Order of Nurses, Montreal, January and March, 1931.

The role of the public health nurse in the programme of communicable disease prevention. Public Health Nurses, Ontario, Ottawa, Ont., October 25, 1930.

School nursing. Student Nurses, Montreal General Hospital, March 23, 1931.

Sidelights on the survey of Victorian Order of Nurses activities. Annual meeting, Victorian Order of Nurses, Ottawa, May 21, 1931. Summer camps. Montreal Council of Social Agencies, May 13, 1931.

Tuberculosis prevention. Imperial Order of the Daughters of the Empire, Montreal, January 5, 1931.

GIBBS, R. D.

Notes on the distribution and movement of water in trees. American Association for the Advancement of Science, Cleveland, Ohio, December 31, 1931.

Plants that eat animals. Girl Guide Officers, Montreal High School, November, 1930.

GIBBS, R. D., joint lecturer, see SCARTH, G. W. and GIBBS, R. D.
Notes on the distribution of water in trees at different seasons.

HARVEY, RUTH

Radio talks under National Council of Education over CKAC, La Presse, Montreal:—Back to nature, March 26, 1931.
Girl Guides. April 9, 1931.

Straightening the toddler. March 10, 1931.

Woodcraft. Camp Councillors, Y.W.C.A., Montreal, February 24, 1931.

HATCHER, W. H.

Hydrogen peroxide. Montreal Branch, Society of Chemical Industry, April 1, 1931; Ottawa Branch, S.C.I., April 2, 1931.

HAYWARD, MYRTLE A.

The hot noon lunch in schools. Provincial Association of Protestant Teachers, Montreal, October 3, 1930.

Malnutrition. Women's Institute, Hudson, Que., March 17, 1931.

HEIMPEL, L. G.

Reduction of costs of production by means of machinery. Ontario Experimental Union, Annual meeting, January 7, 1931.

HENDEL, C. W.

Defense of idealism. Conference on Philosophy, University of Toronto, Toronto, February 20, 1931.

Jean Jacques Rousseau. Alliance of Unitarian and other Liberal Christian Women, Montreal, March 7, 1931.

Religion and philosophy, Students' Christian Association, Montreal, November, 1930.

The varieties of political obligation. Seventh International Congress of Philosophy, Oxford, Eng., September 5, 1930.

HENRY, C. K.

Blood transfusion, illustrated with motion picture film and slides. Fourth year, Medical School, McGill University, March 18, 1931.
Goitre, illustrated with lantern slides. Alpha Gamma Chapter Phi Rho Sigma Fraternity, November 26, 1930.
Occupation in relation to the development of toxic goitre. Montreal Medico-Chirurgical Society, January 9, 1931.
Radium treatment of three cases of cancer, illustrated with lantern slides and living cases. Montreal Medico-Chirurgical Society, December 19, 1930.

HERRIOTT, JESSE S.

Modern tendencies in physical education. Annual Convention of the Provincial Association of Protestant Teachers, Montreal, October, 1930.
Radio talks over CKAC, Montreal. Aims and objectives of a programme of activities for girls and women, February 26 and March 3, 1930. The toddler at play, March 12. Recreation of the housewife, April 14. Recreation of the employed woman, April 16, 1930.

HIBBERT, HAROLD E.

Borderland science and its bearing on the future progress of science, industry, and civilization. New York McGill Alumni Association, New York, February 27, 1931.
The mechanism of acyl migration. Royal Society of Canada, Toronto, May 21, 1931.
Recent advances in industrial organic chemistry, Queen's Chemical Society, Queen's University, Kingston, April 2, 1931.
The role of hydrogen migration in organic reactions and the nature of plant synthesis. General Electric Company Research Staff and the American Chemical Society, Eastern New York Section, Schenectady, N.Y., March 26, 1931.
Some recent advances in the theory of organic chemistry; a series of three lectures. Department of Chemistry, Queen's University, Kingston, Ont., April 1 and 2, 1931.
The structure of glucose. Royal Society of Canada, Toronto, Ont., May 21, 1931.

HILL, E. M., *joint lecturer, see* LONG, C. N. H., HILL, E. M., and SLIGHT, D.

Blood fat in certain cases of mental depression.

HORSFALL, F. L., *joint author, see* BEATTIE, JOHN and HORSFALL, F. L.
An anomalous facial muscle.

HOWARD, CAMPBELL, P.

Linitis plastica. Association of American Physicians, Atlantic City, May 6, 1931.
Medical aspects of diseases of the biliary tract. Montreal Medico-Chirurgical Society, April, 1931.
Some unusual types of cancer of the stomach. Iowa State Medical Association, May 13, 1931.

HOWELL, W. B.

Importance and value of historical cultural collections to a general medical library. Medical Library Association, June 26, 1930.
A journeyman physician. Medical Undergraduate Society, McGill University, February 2, 1931.

KEARNS, P. J.

Placenta increta. Montreal Medico-Chirurgical Society, January, 1931.
Two lectures to Victorian Order of Nurses, April, 1931.

KELLOGG, C. E.

Sportsmanship and moral ideals. Young Men's Association, United Church, St. Lambert, Que., December 7, 1930.
Vocational guidance. South Shore Teachers' Association, May 28, 1930.

KEYS, D. A.

Applied geophysics. A series of nine lectures given in Macdonald Physics Building, October 14-December 4, 1930.
Drops and bubbles. Drummondville, Que., December 3, 1930.
An experimental verification of magnetic method of finding the height of a magnetic dyke of limited extent. American Institute of Mining and Metallurgical Engineers. New York meeting, February, 1931.

KIANG KANG-HU.

The background of Chinese philosophy. Hung Tao Society, Montreal, March 4, 1931.
Brotherhoods of the Orient. Calvary Church Men's Club, Montreal, February 8, 1931.
China as your neighbour. The Twenty Club, Montreal, October 23, 1930.
Chinese abroad. Chinese Benevolent Association, Montreal, November 28, 1930.
Chinese contribution to science. McGill Physics Society, Montreal, February 6, 1931.
Chinese culture seen in social ceremonies. Chinese Reform Party, Montreal, March 7, 1931.
Chinese literary women. Women's Press Club, Montreal, February 7, 1931.
Chinese pictorial art. Montreal Art Association, Montreal, November 29, 1930.
Chinese women, ancient and modern. Jewish Women's Council, Montreal, March 4, 1931.
The Chinese youth movement. Chinese Y.M.C.A., Montreal, September 28, 1930.
The clan system. McGill Sociological Society, Montreal, February 4, 1931.
The common belief of the Orientals. McGill Oriental Club, Montreal, February 17, 1931.
Confucianism. Conference on Far Eastern Studies, Princeton University, Princeton, April 8, 1931.

The east and west. Chinese United Church, Montreal, February 10, 1931.
 Evolution of Chinese literature. Women's Art Association, Montreal, November 18, 1930.
 The first revolution in 1911. Chinese Students' Association, Montreal, October 10, 1930.
 The growth and influence of Chinese philosophy through fifty centuries. Hung Tao Society, Montreal, May 6, 1931.
 The Hung Tao movement. McGill Women's Union, Montreal, January 27, 1931.
 The life of Dr. Sun Yat Sen. Chinese Nationalist League, Ottawa, March 15, 1931.
 My nationalist friends. Chinese Nationalist League, Montreal, November 6, 1930.
 Outline of Chinese ancient history. Hung Tao Society, Montreal, March 22, 1931.
 Outline of Chinese mediaeval history. Chinese Hung Tao Society, Montreal, April 19, 1931.
 Outline of Chinese modern history. Chinese Hung Tao Society, Montreal, May 17, 1931.
 Revolution and constitution. Chinese Reform Party, Ottawa, March 15, 1931.
 Schooling on holidays. United Church Sunday School Banquet, Montreal, January 24, 1931.
 The significance of lion in Chinese literature. The Lions' Club, Montreal, February 26, 1931.
 The student's life in the Orient. Westmount High School, Westmount, November 6, 1930.
 Taoism. Theosophical Society, Montreal, December 20, 1930.
 The traditional China. Central Y.M.C.A. Men's Club, Montreal, December 15, 1930.
 Truth and advertisement. Montreal Advertising Club, Montreal, December 17, 1930.
 The various schools of Chinese philosophy and their teachers. Hung Tao Society, Montreal, April 1, 1931.
 What we can learn from each other. Woodland Hall, Cowansville, Que., February 11, 1931.
 Why we should study Chinese philosophy. Overseas Club, Montreal, February 12, 1931.

LATTIMER, J. E.

Address, Economics Club, Macdonald College, Ste. Anne de Bellevue, Que., November 22, 1930.
 The agricultural situation. Special Course in Agricultural Engineering, Macdonald College, Ste. Anne de Bellevue, Que., June 10, 1930.
 Business cycles and unemployment. Mechanics' Institute, Montreal, November 13, 1930.
 Business depression and unemployment. "Y" Men's Clubs, Sherbrooke, Que., February 5, 1931.

Choosing a vocation. Boys' Club, Union Church, Ste. Anne de Bellevue, Que., December 14, 1930; H.Y. Club, Y.M.C.A., Sherbrooke, Que., February 6, 1931.
 Increasing the purchasing power of the farmer. Radio Broadcast, WEAI, Cornell University, Ithaca, N.Y., August 18, 1930.
 Machines and what they do to us. Y.M.C.A. Forum, Montreal, January 25, 1931.
 Mechanization and unemployment. Women's Institute, Shawville, Que., March 9, 1931.
 Mechanization of farming and unemployment. Student Group, Strathcona Hall, Montreal, March 17, 1931.
 The present economic crisis in relation to agriculture. Lennoxville Farmers' Club, Lennoxville, Que., February 26, 1931.
 Price relationships. Radio broadcast, CKAC, Montreal, April 10, 1931.
 Reducing production costs. Short Course in Agriculture, Shawville, Que., March 9, 1931.
 Report of committee on economics and marketing. Convention of Canadian Society of Technical Agriculturists, Wolfville, N.S., June 26, 1931.
 Some economic aspects of the agricultural problem. Canadian Political Science Association, Ottawa, May 29, 1931.
 Some features of the agricultural situation. Men's Association, St. Andrew's United Church, Martintown, Ont., March 3, 1931.
 Some results of the post-war depression on farm organizations in Canada. International Conference Agricultural Economists, Cornell University, Ithaca, N.Y., August 22, 1930.

LEMAITRE, GEORGE E.

Louis XVI et Marie Antoinette. Alliance Française, January 15, 1931.

LEWIS, D. SCLATER

Address to Graduating Class, Royal Victoria Hospital Training School for Nurses, April, 1931.
 The diagnosis and treatment of haemorrhagic nephritis. American Urological Society, Detroit Section, December, 1930.
 The diuretic drugs. Montreal Medico-Chirurgical Society, November, 1930.
 Jenner and the early vaccinators. McGill Graduates' Society, Detroit Branch, December, 1930.
 The psychology of medical treatment. McGill Medical Society, January, 1931.

LLOYD, F. E.

Africa. Akron, Ohio, January 3, 1931.
 Conjugation in spirogyra. Oberlin College, Oberlin, Ohio, March 17, 1931.
 Feeding habits of vampyrella. Oberlin College, Oberlin, Ohio, March 16, 1931.
 India rubber. National Education broadcast over CKAC, La Presse Montreal, April 17, 1931.

- A lesson in botany by analogy. Ontario Educational Association, Toronto, April 7, 1931.
- The liesegang phenomenon—a new theory. McGill Chemical Society, Montreal, April 24, 1931.
- Markings on animals and plants. Undergraduate Medical Society, McGill University, Montreal, February 2, 1931.
- The mousetrap plant. Association Canadienne Française pour l'avancement des Sciences. University of Montreal, Montreal, December 15, 1930.
- A naturalist's tour of Africa. Mechanics' Institute, Montreal, November 20, 1930; Verdun Y.M.C.A. Men's Club, Verdun, October 9, 1930; St. Lambert O.E.S., St. Lambert, April 9, 1931.
- Traps. Children's Christmas Lectures, Montreal, December 26, 1930.
- Trees, pt. 1. Broadcast, CKAC, Provincial Hour, May 1, 1931.
- Trees, pt. 2. Broadcast, CKAC, Provincial Hour, May 15, 1931.
- LOMER, G. R.
- Book making in China. Women's Guild of Christ Church Cathedral, Parish House, December 1, 1930.
- The books of our ancestors. Convention of Provincial Association of Protestant Teachers, Montreal High School, October, 1930.
- The early history of books. Women's Art Society, Stevenson Hall, October 28, 1930.
- The story of paper and printing in China. Kappa Epsilon Tau, Engineering Building, McGill University, March 10, 1931.
- LONG, C. N. H. The formation of glycogen in mammalian muscle from glucose and d-lactic acid. Society for Clinical Investigation, Atlantic City, May 4, 1931.
- LONG, C. N. H., HILL, E. M., and SLIGHT, D.
- Blood fat in certain cases of mental depression. Annual meeting of American Federation of Societies for Experimental Biology, Montreal, April 8, 1931.
- MCBRIDE, WILBERT G.
- Some notes on present day conditions in the mining industry of Canada. Canadian Institute of Mining and Metallurgy, Annual Meeting, Ottawa, March 4, 1931.
- Presided at six meetings of the Montreal Branch of the Canadian Institute of Mining and Metallurgy.
- MACDONALD, R. ST. J.
- Care of milk in the home. Health and Help Club, Montreal, February 9, 1931; St. Columba House Settlement, Montreal, March 31, 1931.
- Common communicable diseases. Eastern Nova Scotia Medical Society, October 21, 1930. The county health unit. Cumberland Medical Society, October 20, 1930; Eastern Nova Scotia Medical Society, October 21, 1930; Annapolis and Hants Medical Society,

- October 28, 1930; Colchester Medical Society, October 29, 1930.
- Prevention of common communicable diseases. Cape Breton Medical Society, October 22, 1930; Yarmouth and Digby Medical Society, October 27, 1930; Annapolis and Hants Medical Society, October 28, 1930.
- Recent advances in preventive medicine. Cumberland Medical Society, October 20, 1930; Colchester Medical Society, October 29, 1930; Lunenburg Medical Society, October 23, 1930.
- Housing. Health Division of Montreal Council of Social Agencies, Montreal, April 14, 1931.
- McKEE, S. HANFORD
- Cases from a pathological notebook. Chicago Ophthalmological Society, January, 1930.
- The practical application of bacteriology to clinical ophthalmology. American College of Surgeons, Philadelphia, September, 1930.
- MACKENZIE, D. W.
- Renal infections. Maine Medical Society, Bethel, Maine, May 12, 1931.
- Tumors of the testis, a brief series with special reference to the pathology and clinical malignancy. Congress of College of Physicians and Surgeons, Philadelphia, October 14, 1930.
- McKIBBIN, R. R.
- The economical use of chemical fertilizers. Lachute Agricultural Short Course, February 26, 1931.
- The use of lime on Quebec farms. Lachute Agricultural Short Course, February 26, 1931.
- Value of lime in Eastern Townships' soils. Lennoxville Agricultural Short Course, January 8, 1931.
- McKIM, L. H.
- Certain fractures of the upper extremity, St. John, N.B., March 23, 1931; Moncton, March 24, 1931.
- Fractures involving the ankle joint. Medical Society, Woodstock, N.B.; Fredericton, Moncton, St. John, N.B.; and Bathurst, August, 1930; Halifax, March 25, 1931; Medicine Hat, Alta., Lethbridge, Blairmore, Calgary, Stettler, Drumheller, Red Deer, Camrose, Ponoka, Edmonton, and Wainwright, November, 1930.
- Infections of the hand. Peterboro, Ont., February 19, 1931; Belleville, June 23, 1930; Medicine Hat, Alta.; Lethbridge, Blairmore, Calgary, Stettler, Drumheller, Red Deer, Camrose, Ponoka, Edmonton, Wainwright, November, 1930.
- MACLEAN, NEIL B.
- The solar system and its origin, illustrated by lantern slides. Royal Astronomical Society of Canada, Montreal Branch, January 29, 1931.
- McNALLY, W. J., joint lecturer, see TAIT, JOHN and McNALLY, W. J.
- Particular ablations of labyrinthine receptors in the frog.

- McNALLY, W. J.
Recent Advances in the Physiology of Hearing. Read before the Toronto Academy of Medicine, February, 1931.
- MACNAUGHTON, B. F.
Plastic surgery of the nose and face. The McGill Reporting Society, January 13, 1931.
- MANSON, I. STEWART
The history and principles of public health nursing; a series of twenty lectures in University of Saskatchewan, July, 1930.
Public health nursing; a study of vocational interest. Senior Students, School of Nursing, Royal Victoria Hospital, December 11, 1930.
- MASTERS, A. H.
Physiological apparatus, a demonstration. Annual Meeting, Federation of American Societies for Experimental Biology, Montreal, April, 1931.
- MATHEWSON, G. H.
Four cases of dermoid tumour of the orbit. Montreal Ophthalmological Society, April, 1931.
- MEAKINS, J. C.
Advances in medicine. St. James Literary Society, Montreal, January 27, 1931.
Coronary sclerosis. American College of Physicians Annual Clinical Meeting, Union Memorial Hospital, Baltimore, March 27, 1931.
Coronary thrombosis, a clinical pathological study. Montreal Medico-Chirurgical Society, January 23, 1931.
Essential hypertension. American College of Physicians Annual Clinical Meeting, Union Memorial Hospital, Baltimore, March 27, 1931; Hospital of the University of Pennsylvania, Philadelphia, March 28, 1931.
Influence of printing on social and intellectual development. Hospital Library Book Club, Montreal, April 13, 1931.
How medical science advances. Rotary Club, Montreal, April 28, 1931.
- MUSGROVE, R. BIRKETT
(A course of five lectures given in Macdonald College, to students of the Summer School for Country Clergymen, and others, on August 1, 2, 4, 5, and 6, 1930, on the following subjects):
What is a melody?
How to enjoy a concert.
Church worship and music.
Choir-training.
Community singing.
- NUTTER, J. APPLETON
Louisburg; illustrated with lantern slides, maps, etc. History Association of Montreal, January, 1931.

- O'NEILL, J. J.
Some relations of geology to engineering. Electrical Club of Montreal, November, 1930.
- PATCH, FRANK S.
Urological examination in relation to abdominal diagnosis. Lincoln County Medical Association, St. Catharines, Ont., March 19, 1931.
- PATTERSON, W. J.
Krenboch's disease of semilunar bone of the carpus. Montreal Medico-Chirurgical Society, April 10, 1931.
- PEDLEY, FRANK G.
The incidence of occupational deafness and methods for its prevention. Annual Meeting of the American Federation of Organizations for the Hard of Hearing, New York, June 18, 1930.
Periodic health examinations. Radio broadcast, Station CKAC, La Presse, Montreal, September 5, 1930.
The Workmen's Compensation Act in relation to handicapped individuals. Annual Meeting, International Association of Industrial Accident Boards and Commissions, Wilmington, Del., September 25, 1930.
- PIRIE, HOWARD
A circle X-ray machine for pneumo-encephalography, and some results of its use; illustrated by a cinema film of the machine in action, and a new viewing desk for large departments. Johns Hopkins Hospital, Baltimore, February, 1931.
The value of X-ray diagnosis in medico-legal cases.
British Medical Association, Winnipeg, August, 1930.
- PORTEOUS, A. J. D.
The idea of necessary connexion. Canadian Philosophical Association meeting, McGill University, April 17, 1931.
Life in an American women's college. Sigma Psi Society, Royal Victoria College, October 31, 1930.
Pre-existence and rebirth in western thought and philosophy. Oriental Club, McGill University, December 10, 1930.
What is philosophy? Students' Philosophical Society, McGill University, November 3, 1930.
- RABINOWITCH, I. M.
Diabetes. Massachusetts General Hospital, Boston, January 19, 1931; Northeastern Medical Society, Newport, Vt., April 13, 1931.
Nephritis. Annual Meeting, Ontario Medical Association, Niagara Falls, Ont., May 27, 1931.
- REILLEY, HERSCHELL E.
Aims in secondary education. Mount Royal school exercises, October 24, 1930.
Available Canadian building products. Salesman's Convention, Toronto, Ont., February 11, 1931. (Under direction of Gypsum, Lime, Alabastine Co.)

- Church finances from a layman's standpoint. Huntingdon United Church Rally, November 19, 1930.
- Dentistry in elementary schools. Verdun Branch, Y.M.C.A., November 6, 1930.
- Educational machinery. Mount Royal Public Meeting, January 30, 1931.
- Finances of United Church of Canada. 'St. Annes' United Church, November 30, 1930.
- Liquid air and low temperatures. St. George's Club, Drummondville, Que., February 19, 1931.
- Misfits in education. Lachine High School Exercises, October 29, 1930; St. Laurent school exercises, November 7, 1930.
- Noisy Montreal. Montreal Kiwanis Club, December 11, 1930.
- Professional consciousness. Montreal West Teachers' Association, January 14, 1931.
- X-rays and their uses. Howick United Church, Howick, Que., February 20, 1931.
- ROAST, HAROLD J.
- Chemical experiments. Ste. Agathe Sanatorium, Ste. Agathe, Que., March 12, 1931.
- Getting acquainted with the metals we meet. Montreal Electric Luncheon, January 14, 1931; Kiwanis Club, March 5, 1931.
- Good fellowship. St. Alban's Athletic Association, St. Albans, Vt., February 28, 1931.
- Metals through the microscope. Collège St. Césaire, St. Césaire, Que., January 29, 1931.
- Service. Montreal Rotary Club, April 7, 1931.
- Three Rivers Rotary Club, January 27, 1931.
- ROSS, D. A.
- Action currents from ear of fishes, a demonstration. Annual Meeting, Federation of American Societies for Experimental Biology, Montreal, April, 1931.
- RUSSEL, COLIN K.
- The syndrome of the brachium conjunctivum and the tractus spinothalamicus, illustrated by motion pictures. Fifty-Sixth Annual Meeting of the American Neurological Association, Atlantic City, N.J., June 10, 1930.
- SCARTH, W. D.
- A Viking's lair, historical glimpses of the Orkney Isles. St. James Literary Society, February 17, 1931.
- SCARTH, G. W., and GIBBS, R. D.
- Notes on the distribution of water in trees at different seasons. American Society of Plant Physiologists, December, 1930.
- SCOTT, FRANK R.
- The development of Canadian federalism. Canadian Political Science Association, Ottawa, May 28, 1931.

- Dominion, provincial and municipal government. Citizen's Association of Notre Dame de Grace, Montreal, November 21, 1930.
- Freedom of speech and freedom of assembly under the Canadian constitution. Saturday Night Club, Montreal, February 28, 1931.
- SCRIVER, W. DE M.
- Bilateral necrosis of the renal cortex. Colloquium on the kidney held by the Medical Faculty of University of Minnesota, Minneapolis, Minn., July 15, 1930.
- SHAW, A. NORMAN
- The mysterious universe. Society of Sigma Xi, January 21, 1931.
- The theory of the thermo-electric current. The Royal Society of Canada, May 21, 1931.
- SLIGHT, D.
- Psychological factors in the causation of general medical symptoms. Montreal Medico-Chirurgical Society, March, 1931.
- SLIGHT, D., *joint lecturer*, see LONG, C. N. H., HILL, E. M., and SLIGHT, D. Blood fat in certain cases of mental depression.
- SNELL, J. F.
- The maple sugar industry; illustrated. Montreal, Mechanics' Institute, March 5, 1931.
- STANLEY, CARLETON W.
- Should the university guide public opinion in education? McGill Graduates' Society of Quebec, P.Q., May 2, 1931.
- Why do we study Greek? Westmount High School, April 13, 1931.
- STANSFIELD, A.
- The corrosion of metals. Engineering Institute of Canada, Ottawa, April 9, 1931.
- STEACIE, E. W. R.
- Contact catalysis. Ottawa Branch of Society of Chemical Industry, December 4, 1930.
- Popular misconceptions regarding colloid chemistry. Montreal Branch of Society of Chemical Industry, November 8, 1930.
- SURVEYER, E. FABRE
- Auld Robin Gray. Blue Birds, Montreal, April 16, 1931.
- Canada's rise as a nation. McGill Graduate Society, Quebec Branch, Chateau Frontenac, Quebec, February 6, 1931; Notre Dame de Grace Women's Club, Victoria Hall, Westmount, October 3, 1930.
- Canadian authors. Kiwanis Club, Montreal, November 6, 1930.
- Citizenship. Rotary Club, Hamilton, Ont., February 19, 1931; Rotary Club, Toronto, Ont., February 20, 1931.
- James McGill. Municipal Chapter, I.O.D.E., Chateau Frontenac, Quebec, March 6, 1931.
- Joseph Frobisher. St. James Literary Society, Montreal, February 24, 1931.

Les livres, la musique, les cartes de Noel publiés au Canada. Canadian Manufacturers' Association, Windsor Hotel, Montreal, December 11, 1930.

Maria Chapdelaine. Catholic Women's League, Cote des Neiges Division, Montreal, October 22, 1930.

Some of Montreal's first curlers. Montreal Thistle Curling Club, December 6, 1930.

William Grant. Société des Antiquaires et Numismates de la province de Québec. Chateau de Ramezay, Montreal, January 19, 1931.

SUTHERLAND, G. F.

Hearing tests by conditioned reflex, a demonstration. Annual Meeting, Federation of American Societies for Experimental Biology, Montreal, April, 1931.

TAIT, JOHN, and McNALLY, W. J.

Particular ablations of labyrinthine receptors in the frog, a demonstration. Annual Meeting, Federation of American Societies for Experimental Biology, Montreal, April, 1931.

THOMPSON, R. R.

Allenby's campaign for Jerusalem, 1917.

Lyceum Lecture, St. Andrew's Literary Society, St. Andrew's, Que., December 12, 1930.

THOMSON, DAVID L.

The chemistry of the hormones. Society of Chemical Industry, Montreal, December 17, 1930.

Nerves and hormones. Rotary Club of Aberdeen, Scotland, June 26, 1930.

Some thoughts on spring fever. National Council of Education, Broadcast, CKAC, La Presse, Montreal, April 24, 1931.

THOMSON, LESSLIE R.

Canadian geography and economics. Radio broadcast, National Council of Education, February 13, 1931.

Coal and its utilization: 1. The economic importance of coal in our industrial civilization, March 23, 1931; 2. Origin and composition of coal, March 30, 1931; 3. Classification of coal, and coal measurements and equivalents, April 6, 1931; 4. Use of coal—combustion of various kinds, industrial and domestic, April 13, 1931; 5. Use of coal—heat treatments, coking, April 20, 1931; 6. The Canadian fuel problem, April 27, 1931. McGill series of extension lectures.

Focal points of transportation—Vancouver, Winnipeg, Head of Lakes, and Montreal. Board of Trade transportation class, Montreal, February 9, 1931.

Ships and shanties. Girl Guides' Association, Fettercairn Island, Chaffey's Locks, Ontario, July 6, 1930; United Church Hall, St. Andrew's East, Que., July 6, 1930.

Some notable small boat voyages; (illustrated). Overseas Club, Montreal, March 5, 1931.

TREMBLE, G. E.

The common cause of earache. McGill Reporting Society, March 10, 1931.

Method of outlining mucocele by injection of iodized oil. Montreal Medico-Chirurgical Society, November 21, 1930.

TURNER, PHILIP J.

Church planning. Wycliffe College, Toronto, January 23, 1931.

The English inn. Architectural Club, Ottawa, October 16, 1930.

Glastonbury Abbey. St. James Literary Society, Montreal, December 16, 1930.

Liverpool Cathedral. Christ Church Cathedral, Montreal, October 22, 1930; Wycliffe College, Toronto, January 22, 1931; Diocesan Women's Auxiliary, St. James the Apostle, Montreal, January 28, 1931.

Old English village life. North End Women's Club, Montreal, February 27, 1931.

The romance of the English inn. Business and Professional Women's Club, Montreal, February 4, 1931.

Some constructional aspects, Liverpool Cathedral, Builders' Exchange, Montreal, April 8, 1931.

VAUGHAN, MRS. WALTER

Educational ideals. Women's Press Club, Ritz Carlton Hotel, March 7, 1931.

Some recent literature on the Brownings. Women's Club, Town of Mount Royal, February 5, 1931.

WAIN, ETHEL

The case for the non-athletic girl. Radio broadcast, Station CKAC, La Presse, Montreal, April 9, 1931.

Indoor vs. outdoor exercise. Radio broadcast, Station CKAC, La Presse, Montreal, March 5, 1931.

What to do after school. Radio broadcast, Station CKAC, La Presse, Montreal, March 19, 1931.

WALKER, A. H.

The beautification and care of the home grounds, illustrated. Pontiac County Short Course in Agriculture, Shawville, Que., March 11, 1931.

The culture of Dutch bulbs in pots and for outdoor decoration, also the management of plants in the home. Women's Institute, Como, Hudson, and Hudson Heights branch, October 6, 1930.

The farm vegetable, fruit and flower garden. Upper Lachute Women's Institute, May 1, 1931.

Gardening. Citizens' Association of Beaconsfield and Beaufort, March 30, 1931.

WAUGH, W. T.

Our debt to the Middle Ages. Montreal Women's Club, January 26, 1931.

WILLEY, ARTHUR

Copepod phenology. Eleventh Zoological Congress, Padua, Italy,
September 5, 1930.

WYNNE-EDWARDS, V. C.

Bird migration in relation to daylight. McGill Chapter of Sigma
Xi, December 15, 1930.

The starling. Province of Quebec Society for the Protection of
Birds, December 8, 1930.

PUBLICATIONS

-- A. Vibert Douglas

1942-43

As this list was omitted from last year's Report I send it again now in order that your files may be complete for reference purposes.

Profiles of H lines in two Class B stars, Monthly Notices Roy. Astron. Soc. ~~100~~,
Vol. 102. No. 1, 1942.

A Tool not a Creed, Atlantic Monthly, Vol. 170, No. 2, Aug. 1942, pp. 73-74.

Sir Oliver Lodge, University of Toronto Quarterly, Vol. XII, No. 1, Oct. 1942,
pp. 111-116.

Publications 1944-45 -- A. Vibert Douglas

Some Problems in Education - (Teacher Education Quarterly, Conn., U.S.A.
vol. 1, No. 3, May 1944, pp. 53-56)

Arthur Stanley Eddington - (Journal, Royal Astronomical Society of Canada,
vol. 39, No. 1, January 1945, pp. 1-4)

Astronomy, Physics and Philosophy - (Journal, Royal Astronomical Society of Canada,
vol. 39, No. 3, March 1945, 16 pages)

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The Smithsonian Institution requested permission to include in its
Annual Report for 1944 the presidential address to the Royal Astronomical
Society of Canada entitled Astronomy in a World at War.

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PUBLICATIONS

-- A. Vibert Douglas.

1943-44

Copernicus 1473-1543, Queen's Quarterly, Vol. 2, No. 2, 1943, pp. 146-154.

The Challenge of Wartime to University Women, McGill News, Vol. 24, No. 5,
Autumn 1943.

Astronomy in a World at War, Journal Roy. Astron. Soc. Can., March 1944.

*In Memoriam: Sir Robert Falconer, The McGill News vol. 25. no. 3 Spring 1944
pp. 14, 15.*



Publications - Albert Taylor

1943-44

Copernicus 1473-1543

Queen's Quarterly Vol L No 2 1943

Apr. 1943 - 154

The Challenge of Wartime to University Women

McGill News Vol 24 No 5

Autumn 1943

Astronomy in a World at War

Journal Roy. Astron. Soc. Can.

March 1944

In Memoriam: Sir Robert Falconer

McGill News Vol 25 No 3 Spring 1944

pp. 14, 15.

Publications — A. V. V. Douglas.

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Profiles of H lines in two Class B stars
Monthly Notices Roy Astron Soc 102. 1 1942
pp. 34-39.

A Tool not a Creed
Atlantic Monthly Aug 1942 pp 73-74
Vol. 170
No. 2

Sir Oliver Lodge

University Toronto Quarterly
Vol XII No. 1 Oct 1942 pp 111-116

Principals Report
1925-26.

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Articles

DOUGLAS, A. V.

Astronomy and McGill University. (McGill news. Vol. 7, no. 1, p. 23-24, Dec., 1925.)

Astrophysics: the riddle of the star distances. (Discovery: Vol. VII, p. 175-178, May, 1926.)

Ho everyone that thirsteth: thoughts from Huxley. (Canadian student. Vol. VIII, p. 3-5, Dec., 1925.)

Immensities of time and space. (Discovery. Vol. VI, p. 300-304, Aug., 1925.)

Other little ships: theories of cosmogony. (Atl. mo. Vol. 136, p. 169-174, Aug., 1925.)

Review of College physics by A. Wilmer Duff. (Astrophys. jour. Vol. 63, p. 139-140, Mar., 1926.)

DRYERRE, H., joint author, see BARCROFT, J., DRYERRE, H., MEAKINS, J. C., PARSONS, T. R., and PARSONS, W.

The hydrogen-ion concentration and some other properties of the blood, from two cases of auto-toxic enterogenous cyanosis.

DWORKIN, S., joint author, see CASSIDY, G. J., DWORKIN, S. and FINNEY, W. H.

Action of insulin on the domestic fowl.

Insulin and the mechanism of hibernation.

The rate of action of insulin in artificially cooled mammals.

ELVIDGE, A. R.

Foreign particles as a cause of blood crises and anemia. (Amer. jour. of path. Vol. 2, p. 189-191, Mar., 1926.)

EMMONS, W. F.

Estimation of blood corpuscle volume by the erimeter. (Amer. jour. of physiol. Vol. 76, p. 189, Mar., 1926.)

ERLENBORN, WILLI.

Report of the feldspar deposits of Quetachoumanicouagan Bay, Que. (Quebec. Bur. of mines. Report on mining operations in the province of Quebec during 1924, p. 93-111, 1925.)

EVE, A. S.

Physics and metaphysics. (Nature. Vol. 116, p. 541, Oct. 10, 1926.)

Radiation and relativity. (Phys. rev. Sec. 2, vol. 27, p. 517, Apr., 1926.)

Recent advances in wireless propagation in theory and practice. (Franklin inst. jour. Vol. 200, p. 327-333, Sept. 1926.)

Tests of relativity theory. (Nature. Vol. 117, p. 520-522, Apr. 10, 1926.)

FINNEY, W. H., joint author, see CASSIDY, G. J., DWORKIN, S., and FINNEY, W. H.

Action of insulin on the domestic fowl.

Insulin and the mechanism of hibernation.

CROWE, MARGUERITE.

A precision determination of the electrical conductivity of concentrated aqueous solutions of calcium chloride. (Phys. rev. Ser. 2, vol. 27, p. 516-517, Apr., 1926.)

CUNLIFFE, J. W., *joint author*, see LOMER, GERHARD, R., and CUNLIFFE, J. W.

Writing of today.

CUSHING, H. B.

Rheumatic fever in childhood. (Can. med. assn. jour. Vol. XV, p. 711-712, July, 1925.)

The sequelae of diphtheria. (Internat. clinics. Vol. I, ser. 36, p. 1-6, Mar., 1926.)

Le serum antiscarlatineux, ses usages. (L'union médicale du Canada. Vol. 55, p. 8-13, Jan., 1926.)

DAVIES, H. WHITBRIDGE, *joint author*, see MEAKINS, J. C., and DAVIES, H. WHITBRIDGE.

Respiratory function in disease.

DAWSON, CARL ADDINGTON.

Congestion in large cities. (Can. eng. Vol. 50, p. 217 Feb. 9, 1926.)

Section on education and recreation of the Canadian council on child welfare. (In Gettys, W. E. Progress in education and recreation. Social welfare. Vol. VIII, p. 32-37, Nov., 1925.)

DAWSON, WINIFRED T., *joint author*, see ABBOTT, MAUDE E., and DAWSON, WINIFRED T.

The clinical classification of congenital cardiac disease.

DAY, JOHN PERCIVAL.

The family wage: a new method of wage distribution. (Address given at the People's forum, Montreal, and reported verbatim in the Montreal financial times, Dec. 18 and 25, 1925.)

DICKSON, B. T.

Apple diseases. (Macdonald college. Bull. 10p, Sept., 1925.)

The "black dot" disease of potato. (Phytopathology. Vol. 16, p. 23-40, Jan., 1926.)

Colletotrichum vs. vermicularia. (Mycologia. Vol. XVII, p. 213-217, Oct., 1925.)

Further studies on saltation in the organism causing "black dot" disease of potato. (Roy. soc. Can. trans. Ser. III, vol. XIX, sec. 5, p. 275-277, 1925.)

Mosaic of rhubarb. (Quebec soc. prot. plants. 17th annual report, 1925, p. 36-37.)

Oat smut control in 1924. (Quebec soc. prot. plants, 17th annual report, 1925, p. 35-36.)

Tobacco and tomato mosaic. (Science. Ser. 2, vol. 62, p. 398, Oct. 1925.)

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Lectures

CLELLAND, J. G. P.

The innervation of the splenic vein. (Presented by Dr. John Tait.) Royal Society of Canada, Ottawa, May 19-22, 1926.

DAY JOHN PERCIVAL.

The family wage: a new method of wage distribution. People's Forum, Montreal, Dec. 13, 1925. (Broadcast by the Northern Electric Company.)

The Canadian statistical society and its aims: inaugural presidential address. Canadian statistical society, Dec. 14, 1925.

DAWSON, CARL ADDINGTON.

A Canadian culture. Alumnae of Queen's University, Montreal, Apr. 14, 1926.

Hoboemia. Y.M.C.A., Verdun, March 4, 1926.

DICKSON, B. T.

"Degeneration" diseases of the potato. Canadian branch American phytopathological society, St. Catharines, Ont., Dec. 22, 1925.

DOUGLAS, A. V.

Astronomy and its historical development. St. James United Church, Montreal, Feb. 28, 1926.

Astrophysics. Extension course: Story of science, McGill University, Montreal, Mar. 24, 1926.

Astrophysics and the modern conception of the universe. St. James United church, Montreal, Mar. 7, 1926.

From astrology to astronomy. American women's club, Montreal, Nov. 4, 1925.

Immensities of space and time. McGill University lyceum lecture, Shawinigan Falls, Nov. 27, 1925.

Some new relationships for spectroscopic magnitudes of A-type stars. Royal Society of Canada, Ottawa, May 21, 1926.

The Yerkes observatory and its work. Royal astronomical society of Canada, Montreal, Jan. 14, 1926.

DWORKIN, S., and FINNEY, W. H.

Glycolysis and the pancreas. (Presented by Dr. John Tait.) Royal Society of Canada, Ottawa, May 19-22, 1926.

DWORKIN, S., joint author, see CASSIDY, G. J., DWORKIN, S., and FINNEY, W. H.

Respiratory quotients of dogs.

ELVIDGE, A. R.

Anaemia and the reticulo-endothelial system. (Presented by Dr. John Tait.) Royal Society of Canada, Ottawa, May 19-22, 1926.

EMMONS, W. F., and MILLS, E. S.

The eriometer as an aid in the diagnosis of pernicious anaemia. (Presented by Dr. John Tait.) Royal Society of Canada, Ottawa, May 19-22, 1926.

EVE, A. S.

Discovery. Teachers' convention, Montreal, Oct., 1925.

Helmholtz, Joule and Kelvin. Extension course: Story of science, McGill University, Montreal, Feb., 1926.

Ionization potential and radian of atoms. American physical society, Montreal, Feb. 27, 1926.

Sound and colour. Two Ross lectures to Trafalgar institute, Montreal, May, 1926.

Things that spin. Children's lecture, McGill University, Montreal, Dec., 1925.

Three great natural philosophers—Kelvin, Stokes, Rayleigh. St. James literary society, Montreal, Oct. 27, 1925.

FINNEY, W. H., *joint author, see* CASSIDY, G. J., DWORKIN, S., *and* FINNEY, W. H.

Respiratory quotients of dogs.

FINNEY, W. H., *joint author, see* DWORKIN, S., *and* FINNEY, W. H.

Glycolysis and the pancreas.

FLEMING, A. GRANT.

Planning for health. Town planning series; Civic improvement league. McGill University, Montreal, Jan. 20, 1926.

FOSTER, J. S.

Light. McGill University—Extension course, Montreal, Feb. 24, 1926.

What are the stars made of? McGill University—Extension course, Feb. 24, 1926.

FRY, F. M.

On hemolytic jaundice in children, with illustrative cases. Canadian society for study of diseases of children, Ottawa, June 5-6, 1925.

GIBLIN, N.

The cartilage cell in ossification. (Presented by Dr. John Tait.) Royal Society of Canada, Ottawa, May 19-22, 1926.

HARRISON, F. C.

The bacteriology of canning. Maritime section. Canadian Manufac. association, Charlottetown, P.E.I.—n.d.

The bacteriology of sea fish. Royal Society of Canada, Ottawa, May, 1926.

The institutes and their importance to the community. Convention of women's institutes for Prov. of Quebec, June, 1925.

APPENDIX II
PUBLICATIONS

The following lists contain such publications of members of the University Staff as were reported for the period July 1, 1924 to May 31, 1925, in response to a notice sent from the Library in April 1925.

BANCROFT, J. AUSTEN.

Restoration of the oldest known forest. (Science. Vol. LXI, p. 507-508, May 15, 1925.)

BEMONT, L. H.

Finishing surplus cockerels for market. (Jour. of agri., Vol. 28, p. 38, Sept., 1924.)

BOURNE, C. R.

A case of epidermolysis bullosa. (Can. med. assn. jour., Vol. XV, p. 404, April, 1925.)

BOURNE, WESLEY.

Anaesthesia in acute abdominal operation. (Can. med. assn. jour., Vol. XIV, p. 835-836, Sept., 1924.)

Anaesthesia in obstetrics. (Can. med. assn. jour., Vol. XIV, p. 702-703, Aug., 1924.)

The hormone of oestrus. (Can. med. assn. jour., Vol. XV, p. 171-173, Feb., 1925.)

On the disposition of ether in the body. (Can. med. assn. jour., Vol. XV, p. 84-85, Jan., 1925.)

BOURNE, WESLEY and STEHLE, R. L.

The excretion of phosphoric acid during anaesthesia. (Amer. med. assn. jour., Vol. 83, p. 117-118, July 12, 1924.)

BOURNE, WESLEY, joint author, see STEHLE, R. L., BOURNE, WESLEY, and LOZINSKY, EZRA.

Über die pharmakologische Wirkung von Athylenoxyd.

BOVEY, WILFRID.
McGill and her builders. (Can. mag., Vol. LXIII, p. 388-396, Nov., 1924.)

BRIDGES, J. W.

A reconciliation of current theories of emotion. (Jour. of abnormal psych. and social psych., Vol. XIX, p. 333-340, Jan.-Mar., 1925.)

BUNTING, T. G.

The development and extent of small fruits in Canada. (Quebec Pomological and fruit growing society. Annual report, 1924. *In press.*)

The economical production of strawberries and raspberries. (Ontario. Fruit growers' association. Annual report, 1924. *In press.*)

The extension of strawberry culture in Quebec. (Jour. of agric., Vol. 28, p. 70, Nov., 1924.)

Garden reminders. (Family herald and weekly star. Vol. LXI, no. 16, Apr. 22, 1925 no. 17, Apr. 29; no. 18, May 6; no. 19, May 13; no. 20, May 20; no. 21, May 27; no. 22, June 3; no. 23, June 10; no. 24, June 17; no. 25, June 24.)

DEATHS

- HENRY MELBOURNE LAMB, M.Sc.
(Associate Professor of Civil Engineering). Died April 1st, 1925.
- F. A. L. LOCKHART, M.B. (Edin.), M.D.
(Clinical Professor of Gynaecology). Died January 10th, 1925.
- DUNCAN MCEACHRAN, D.V.S., V.S. (Edin.), F.R.C.V.S. (Lond.),
LL.D. (McGill)
(Emeritus Professor and Dean of the Faculty of Comparative
Medicine and Veterinary Science). Died October 17th, 1924.
- JAMES B. MORISON, D.D.S.
(Professor of Orthodontia). Died December 7th, 1924.
- ALEXANDER ARMOUR ROBERTSON, B.A., M.D.
(Lecturer in Medicine). Died March 25th, 1925.
- JOSEPH STAFFORD, M.A., Ph.D.
(Associate Professor of Zoology). Died March 23rd, 1925.

- A message to fruit growers. (Jour. of agri., Vol. 28, p. 93-94, Jan., 1925.)
- A 1925 orchard spray campaign. (Jour. of agri., Vol. 28, p. 168, May, 1925.)
- Pruning the apple orchard. (Jour. of agri., Vol. 28, p. 97, Jan., 1925. Quebec. Pomological and fruit growing society. Annual report, 1924. *In press.*)
- The thinning of apples. (Jour. of agri., Vol. 28, p. 185-186, June, 1925.)
- BURGESS, J. F.
A method of growing and preserving giant cultures of ringworm fungi for study and teaching purposes. (Jour. of international assn. of med. museums. *In press.*)
- Some recent researches on iodide and bromide eruptions. (Can. med. assn. jour., Vol. XV, p. 178-179, Feb., 1925.)
- An unusual case of ringworm in an adult (due to trychophyton gypseum). (Can. med. assn. jour., Vol. XIV, p. 1209-1210, Dec., 1924.)
- BURKE, H. E., *joint author*, see TAIT, JOHN and BURKE, H. E.
The role of platelets in mammalian blood coagulation.
- BYERS, W. G. M.
Dystrophia epithelialis corneae. (Amer. ophthal. soc. trans. Vol. 23, 1925. *In press.*)
- Frank Buller. (Surgery, gynecology and obstetrics. Vol. 40, p. 439-443, Mar., 1925.)
- CALDWELL, WILLIAM.
Canadian philosophy and Canadian philosophical activity. (In Reichl's Philosophischer almanach, 1925.)
- CAMPBELL, D. G., *joint author*, see LEWIS, D. SCLATER,
CAMPBELL, D. G., MALLOCH, ARCHIBALD, and MAC-
DERMOT, H. E.
Pharmacopoea of the teaching hospitals, McGill University.
- CARLESS, WILLIAM.
Arts and crafts in Canada. (Family herald and weekly star. Vol. LVI, no. 13, p. 29-30, Apr. 1, 1925; no. 14, p. 29-30, Apr. 8, 1925.)
- CASHIN, M. F., *joint author*, see KAUFMAN, JOSEPH and
CASHIN, M. F.
A case of hypernephroma associated with thyroid hyperactivity.
- CASHIN, M. F., *joint author*, see TAIT, JOHN and CASHIN,
M. F.
Some points in relation to the structure and function of the spleen.
- CASSIDY, JOHN.
Cause of death in mammals by lowering of body temperature. (Read at the meeting of the Royal Society of Canada, May 1925.)
- CASSIDY, G. J., DWORCKIN, S. and FINNY, W. H.
The effect of temperature upon the rate of action of

insulin in mammals. (Read at the meeting of the Royal Society of Canada, May 1925.)

Thermotactic action of insulin. (Read at the meeting of the Royal Society of Canada, May, 1925.)

CONKLIN, RAYMOND L.

Our present knowledge of abortion and bovine tuberculosis; paper read at the 4th annual convention of the Canadian Society of Technical Agriculturists, June, 1924. (Sci. agri. Vol. 5, p. 239-245, Apr., 1925.)

CORBETT, PERCY ELLWOOD.

The consent of states and the sources of the law of nations. (British year book of international law, 1925, p. 140-150.)

Geneva—or thereabouts. (Teachers' mag. Vol. VII, p. 14-16, Feb., 1925.)

The league of nations and the protocol. (McGill news, Vol. 6, no. 1, p. 2-4, Dec., 1924.)

What is the league of nations? (British year book of international law, 1924, p. 119-142.)

CRAMPTON, EARLE W.

Care of the farm horse stock. (Can. countryman. Vol. XIV, p. 271, Feb. 28, 1924.)

Dry meal feeding for market pigs. (Farmer's advocate. Vol. LIX, p. 1650, Nov. 13, 1924.)

Feed and care of the litter. (Jour. of agri. Vol. 27, p. 178, June, 1924.)

Handling the nursing sow. (Jour. of agri. Vol. 27, p. 159, May, 1924.)

The horse on the farm. (Jour. of agri. Vol. 28, p. 15, Aug., 1924.)

Little talks on swine. (Family herald and weekly star. A series published weekly.)

The piggery in December. (Jour. of agri. Vol. 28, p. 79, Dec., 1924.)

The piggery in February. ((Jour. of agri. Vol. 28, p. 114, Feb., 1925.)

Preparations for the spring litters. (Can. countryman. Vol. XIII, p. 1757, Dec. 20, 1924.)

Starting the young pigs right. (Jour. of agri. Vol. 28, p. 163, May, 1925.)

CROWDY, C. T.

Primary endothelioma of the peritoneum. (Surgery, gynecology and obstetrics. Vol. 40, p. 196-198, Feb., 1925.)

DAVIES, H. WHITBRIDGE, MEAKINS, J. C., and SANDS, JANE.

The influence of circulatory disturbances on the gaseous exchange of the blood. V. The blood gases and circulation rate in hyperthyroidism. (Heart. Vol. XI, p. 299-307, Dec., 1924.)

DE LONG, W. A.

The availability of organic nitrogen—a resumé. (Sci. agri. Vol. 5, p. 205-210, Mar., 1925.)

The big three: nitrogen, phosphorus and lime. (Jour. of agri. Vol. 28, p. 116-117, Jan., 1925.)

The fundamental factor in a permanent agriculture; soil fertility. (Jour. of agri. Vol. 28, p. 83-84, Dec. 1924.)

The rational and profitable use of nitrate of soda. *Not yet published.*

The winning of nitrogen. (Jour. of agri. Vol. 28, p. 131-132, Mar., 1925.)

DICKSON, B. T.

Oat smut control in 1923. (Quebec Soc. prot. plants. 16th annual report, 1924, p. 77-79.)

Plant pathology in Canada; presidential address before Canadian phytopathologists at Ottawa, Dec. 1924. (Sci. agri. Vol. 5, p. 211-217, Mar., 1925.)

DOUGLAS, A. V.

History of the McGill Physical Society, 1897-1915. (McGill news, Vol. 6, no. 2, p. 24-26, Mar., 1925.)

Measuring the universe. (Discovery. Vol. V, p. 196-198, Sept., 1924.)

Note on ionization clouds in an expansion chamber. (Roy. soc. Can. trans. Ser. III, vol. XVIII, sec. 3, p. 133-136, 1924.)

DU PORTE, E. MELVILLE.

A preliminary note on some endophytic protozoa. (Quebec. Soc. prot. plants. 16th annual report, 1924, p. 94-96.)

DWORKIN, S., *joint author, see* CASSIDY, G. J., DWORKIN, S. and FINNY, W. H.

The effect of temperature upon the rate of action of insulin in mammals.

Thermotactic action of insulin.

ELVIDGE, A. R., *joint author, see* TAIT, JOHN and ELVIDGE, A. R.

The injection of quartz particles in the blood stream. EMMONS, W. F.

Relation between volume and diameter of mammalian red blood corpuscles. (Read at the meeting of the Royal Society of Canada, May, 1925.)

EMMONS, W. F., *joint author, see* TAIT, JOHN, and EMMONS, W. F.

Experiments and observations on crustacea. Pt. VI: The mechanism of massive movement of the operculum of *Balanus nubilus*.

EVE, A. S.

Dizzy arithmetic. (Atl. mo. Vol. 135, p. 165-170, Feb., 1925.)

Letter: on the flow of sap in trees. (Nature. Vol. 114, p. 827, Dec. 6, 1924.)

FINNY, W. H., *joint author, see* CASSIDY, G. J., DWORKIN, S. and FINNY, W. H.

The effect of temperature upon the rate of action of insulin in mammals.

- Thermotactic action of insulin.
- GOLDBLOOM, ALTON.**
 Hypertrophic stenosis of the pylorus. (Med. clinics of N.A. Vol. VII, p. 1739, May, 1924.)
 Modern tendencies in infant feeding. (Can. med. assn. jour. Vol. XIV, p. 709-721, Aug., 1924.)
 Renal glycosuria in an infant twenty months of age. (Can. med. assn. jour. Vol. XIV, p. 950-952, Oct., 1924.)
- GORDON, A. H.**
 About telling the truth. (Can. med. assn. jour. Vol. XIV, p. 981-982, Oct., 1924.)
 A case of sprue. (Can. med. assn. jour. Vol. XV, p. 522-523, May, 1925.)
- GORDON, ALEX. R.**
 The religion of the Bible. Chi., Univ. of Chicago press, 1925.
- GRAHAM, W. C.**
 Harvard codices of the scholia of bar Hebraeus. (Amer. jour. of Semitic lang. Vol. XLI, p. 102-135, Jan., 1925.)
 A translation of the scholia of bar Hebraeus to the book of Exodus, with critical notes. *Not yet published.*
- GREEN, F.**
 Immunity technique applied to the intergraftability of plants. (Read at the meeting of the Royal Society of Canada, May, 1925.)
- GREEN, F., joint author, see TAIT, JOHN and GREEN, F.**
 The spindle-cells in relation to coagulation of frog's blood.
- GURD, FRASER B.**
 Infection, immunity and inflammation. St. Louis, C. V. Mosby Co., 1924. 329 pp.
- HAMILTON, LIONEL H.**
 Balancing the ration. (Farmer's guide. Vol. VI, p. Feb., 1925.)
 Fundamentals in stock feeding. (Farmer's guide. Vol. VI, p. 3-15, Jan. 21, 1925.)
 Prospects of the sheep industry. (Jour. of agri. Vol. 28, p. 147-157, Apr., 1925.)
 Valuing farm feeds. (Farmer's guide. Vol. VI, p. 2, 16, Mar. 4, 1925.)
 What the bacon hog competition taught. (Jour. of agri. Vol. 28, p. 80, Dec., 1924.)
- HAMILTON, W. F., joint author, see WAUGH, THEO. R. and HAMILTON, W. F.**
 A study of some cases of purpura hemorrhagica.
- HARRISON, F. C.**
 A practical course for farmers' sons. (Jour. of agri. Vol. 28, p. 3, July, 1924.)
- HATCHER, W. H. and HOLDEN, G. W.**
 Hydrogen peroxide as an oxidising agent in acid solution. II. (Roy. Soc. Can. trans. Ser. III, Vol. XVIII, sec. 3, p. 231-246, May, 1924.)

HEIMPEL, L. G.

A.E. means agricultural efficiency. (Agri. eng. jour. Vol. 6, p. 51, Mar. 1, 1925.)

Agricultural engineering and its objectives. (Jour. of agri. Vol. 28, p. 167, May 25, 1925.)

Before fall plowing—summer cultivation. (Jour. of agri. Vol. 28, p. 33, Sept., 1924.)

Conclusions from the plowing matches. (Jour. of agri. Vol. 28, p. 24-25, Dec., 1924.)

Education value of the radio. (Can. countryman. Vol. XIII, p. 47, Jan. 10, 1925.)

Electric light for the farm. (Farmer's guide. Vol. V, p. 324, Sept. 17, 1924.)

The farm engineering short course. (Jour. of agri. Vol. 28, p. 101, Jan., 1925.)

Garnering the winter harvest. (Can. countryman. Vol. XIV, p. 258-9, Feb. 21, 1925.)

The harvest of the maple grove. (Jour. of agri. Vol. 28, p. 127, Mar., 1925.)

Hot water on tap in the farm kitchen. (Jour. of agri. Vol. 28, p. 69, Nov., 1924.)

Housing the dairy herd. (Can. countryman. Vol. XIV, p. 6, 39, Apr. 18, 1925.)

How radio waves are employed. (Can. countryman. Vol. XIII, p. 1447, Oct. 25, 1924.)

How to make a good crystal set. (Can. countryman. Vol. XIV, p. 248, Feb. 21, 1925.)

Inexpensive non-freezing solutions. (Jour. of agri. Vol. 28, p. 115, Feb., 1925.)

Radio, the latest farm convenience. (Can. countryman. Vol. XIII, p. 1126, Aug. 23, 1924.)

Slippage in belt drives. (Can. countryman. Vol. XIV, p. 90, Jan. 24, 1925.)

Storing the farm ice supply. (Jour. of agri. Vol. 28, p. 111, Feb., 1925.)

The use and abuse of concrete. (Can. countryman. Vol. XIV, p. 637, 666, May 2, 1925.)

HEIMPEL, L. G., and NORTH, F. G.

The drainage of farm lands. (Quebec. Dept. of agri. Bull. 89, 62 pp.)

HENDERSON, A. T.

The successful treatment of asthma and related conditions. (Med. clinics of N.A. Vol. VII, p. 1715-1738, May, 1924.)

HENDERSON, JEAN T.

The gribble: a study of the distribution factors and life-history of *Limnoria lignorum* at St. Andrews, N.B. (Contrib. to Can. biol. N.S. Vol. II, pt. 1, p. 309-325, 1924.)

HENRY, CHARLES K. P. and RHEA, LAWRENCE J.

A case of cerebral tumor. (Can. med. assn. jour. Vol. XIV, p. 734, Aug., 1924.)

HIEBERT, P. G., *joint author, see* MAASS, OTTO, and HIEBERT, P. G.

The properties of pure hydrogen peroxide. V. Vapour pressure.

HODGINS, S. R. N.

Special articles as Editor of the Journal of agriculture. (English edition.)

The forest products of Quebec. Farmer's advocate. Vol. LIX, p. 1838a-1838b, Dec. 11, 1924.)

Our neglect of the light essay. (Dalhousie rev. Vol. 5, p. 296-305, Oct., 1924.)

Quebec agriculture in 1924. (Montreal gazette: financial review for 1924. Vol. CLIV, p. 58.)

HOLDEN, G. W., *joint author, see* HATCHER, W. H. and HOLDEN, G. W.

Hydrogen peroxide as an oxidising agent in acid solution. II.

HOWELL, W. B.

Report on two cases of direct injection into the heart for arrest of heart beat during anaesthesia. (Lancet. Vol. CCVII, p. 716, Oct. 11, 1924.)

JANE, R. S., *joint author, see* WHITBY, G. S. and JANE, R. S.

The electro-viscous effect in rubber sols.

JOHNSON, F. M. G., and MUNRO, L. A.

The absorption of vapors by alumina. (Ind. and eng. chem. Vol. 17, p. 88-92, Jan., 1925.)

JOHNSON, F. M. G., and STEACIE, E. W. R.

The viscosities of the liquid halogens. (Jour. of Amer. chem. soc. Vol. XLVII, p. 754-762, Mar., 1925.)

JOSEPHS, H. W., *joint author, see* ROSS, S. G. and JOSEPHS, H. W.

Metabolism of recurrent vomiting.

KAUFMAN JOSEPH and CASHIN, M. F.

A case of hypernephroma associated with thyroid hyperactivity. (Can. med. assn. jour. Vol. XV, p. 37-40, Jan., 1925.)

KAUFMAN, JOSEPH, *joint author, see* MASON, E. H. and KAUFMAN, JOSEPH.

Nephrosis: a clinical and pathological study.

LANDON, G. L.

Blackhead in turkeys. (Jour. of agri. Vol. 28, p. 11, Feb., 1925.)

Chick diseases and parasites. (Can. poultry world. Vol. XI, p. 4, 23, Aug., 1924.)

Cull out the non-layers. (Can. poultry world. Vol. XI, p. 5, 25, Dec., 1924. Family herald and weekly star. Vol. LV, no. 46, p. 12, Nov. 19, 1924.)

Essentials to successful hatching. (Family herald and weekly star. Vol. LVI, no. 17, p. 12, Apr. 29, 1925.)

Record of performance development. (Family herald and weekly star. Vol. LVI, no. 10, Mar. 11, 1925.)

Thirty per-cent were "star-boarders". (Jour. of agri. Vol. 28, p. 87-88, Dec., 1924.)

To keep birds in good health and flesh. (Family herald and weekly star. Vol. LV, no. 32, p. 11, Aug. 13, 1924.)

LEWIS, D. SCLATER.

Great explorers in scientific medicine. (Ann. of clin. med. Vol. III, p. 21-28, July, 1924.)

LEWIS, D. SCLATER, CAMPBELL, D. G., MALLOCH, ARCHIBALD, and MACDERMOT, H. E.

Pharmacopoea of the teaching hospitals, McGill University. (Montreal, Desbarats, 1925, 127 pp.)

LLOYD, FRANCIS ERNEST.

Conjugation in spirogyra: preliminary summary. (Roy. Can. inst. trans. Vol. XV, pt. 1, p. 129-134, 1924.)

The Cobalt sodium hexanitrite reaction for potassium in plant cells. (Festschrift zum siebzigsten Geburtstage von Karl von Goebel. Flora n.f. 18-19, p. 369-385, 1925.)

LODS, E. A., joint author, see SUMMERBY, ROBERT and LODS, E. A.

Experiments with grain crops: a summary of variety tests and a number of cultural experiments conducted at Macdonald College.

LOZINSKY, EZRA, joint author, see STEHLE, R. L., BOURNE, WESLEY, and LOZINSKY, EZRA.

Über die pharmakologische Wirkung von Athylenoxyd. MAASS, OTTO.

The gaseous state of aggregation. (In Taylor, Hugh S. A treatise on physical chemistry; a co-operative effort by a group of physical chemists. N.Y., Van Nostrand Co., 1924. Vol. 1, Chap. III, p. 69-106.)

The liquid state of aggregation. (In Taylor, Hugh S. A treatise on physical chemistry; a co-operative effort by a group of physical chemists. N.Y., Van Nostrand Co., 1924. Vol. 1, Chap. IV, p. 107-146.)

Molecular attraction and molecular combination. (Franklin inst. jour. Vol. 198, p. 145-159, Aug., 1924.)

MAASS, OTTO, and HIEBERT, P. G.

The properties of pure hydrogen peroxide. V. Vapour pressure. (Jour. of Amer. chem. soc. Vol. 46, p. 2693-2700, Dec., 1924.)

MAAS, OTTO and WALDBAUER, L. J.

The specific heats and latent heats of fusion of ice and of several organic compounds. (Jour. of Amer. chem. soc. Vol. 47, p. 1-9, Jan., 1925.)

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1. Nov. 3.rd R.A.S.C. Montreal Centre
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2. Dec. 1. Mechanics Institute (Lyceum)
The Signs of the Zodiac
3. Dec. 2. McGill Chemical Society
The Cosmology of the Stars
4. Dec. 8. Beauharnois (Lyceum)
Astronomy from Newton to Einstein.
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5. Feb. 8. Miss Edgar Stramp School (Lyceum)
The Signs of the Zodiac.
6. Feb. 17. Brooklyn Institute of Arts & Sciences
Sir Isaac Newton and his Influence in
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7. Feb. 24. McGill Physical Society
Current Problems in Astrophysics.
8. March 6. St James Literary Society; Montreal
The Mergery of Starlight.
9. March 9. Quebec I.O.D.E. Public Lectures (Lyceum)
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5. Cosmic Rays

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Lectures 1928-29

To Dr. Lomer
May 31/29

1. Nov. 26th 1928 Stars & Starlight
Zion United Church (North Montreal)
2. Dec. 4th 1928 The December Stars
Eskine United Ch.
3. Dec. 28th 1928 Blue Giants & Red Dwarfs.
Juvenile Lectures
Macdonald Physics Bldg -
4. Jan. 31st 1929 The Solar System and the Milky Way
R.A.S.C., Montreal Centre.
5. Feb. 1st 1929. The Behaviour of Vanadium and
Cyanogen in Stellar Atmospheres
Met. Physical Society -
6. Feb. 6th 1929 The Analysis of Starlight
West Hill High School Science Club.
7. Feb. 11th 1929 Astronomy Ancient and Modern
St James the Apostle's Men's Association.
8. Mar. 12 ✓ From Atoms to Stars
Extension Dept. McGill University.
9. Mar. 14 Starlight.
Westmount High School Science Club.
10. Mar. 22 The Signs of the Zodiac
R.A.S.C. Ottawa Centre.

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3. The Mystery of Motion
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4. A Multiple Rainbow
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5. Island Galaxies
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pp. 193-199. Publication 2984, 1929.
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To Dr Lomer
April 1930

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 1. July 27, 1929. Immigration Potential of Vanadium
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4. Nov. 16, 1929 The Constellations - Birds, Beasts & Giants
 in the Sky.
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5. Nov. 21, 1929. Telescopes + the Universe they Reveal
 Mechanics Institute, Montreal
6. Nov. 28, 1929 Astronomy Anc. & Mod.
 Loyalist League Ch. of the Messiah.
7. Dec. 5, 1929 Changing Concepts of the Universe and
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 Ch. Ch. Cath. Men's association.
8. Jan 5, 1930 - Poetry of the Stars
 Y.W.C.A. Montreal.
9. Feb. 4, 1930 - Astronomy Ancient and Modern
 St. George's Club, Drummondville.
10. March 10, 1930 - Astronomy Ancient and Modern
 Montreal Women's Club.
11. March 18, 1930 Jeans and Eddington
 R.A.S.C. Toronto.
12. March 25, 1930. Jeans and Eddington
13. April 3, 1930 Messier Extension Lecture, McGill University
 Stars Near and Far :- Old Brewery Mission
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44 public lectures

To Dr Lowell
 April 1930

1929-30
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2. Note on Interpretation of Weyers Frequency Curve.
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3. Progression of Stellar Vel. with Abs Mag.
MNRAS. Jan 1923.
Ass. + Adv.
4. Real & Apparent Radial Velocities
MNRAS. May 1924
5. Sizes of Particles in Certain Pelagic Deposits
Proc. Roy. Soc. Edin. 1923
6. Note on Ionization Clouds in an Expansion Chamber
Trans R.S.C. 1924

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1. Determination of Curvature Invariant of Space-time
Science, April 1924
2. Measuring the Universe
Discovery V. 57, Sept 1924
3. The Winter Sky.
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4. The Summer Sky
Journal R.A.S.C. May 1924
5. Immensities of Time & Space
Discovery VI. 68 Aug 1925
6. Other Little Stars
Atlantic Monthly Aug 1925
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1917
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List I

Sept 1st 1922

— Aug 31st 1923

Note on the Interpretation of the Wegener Frequency Curve
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Geological Magazine Vol LX No. 705 pp. 108-111
March 1923

The Sizes of Particles in Certain Pelagic Deposits.
A. Vibert Douglas (Communicated by Prof. Sir F. R. Taylor)
Proc. Roy. Soc. Edin. Vol XLIII Part II No. 16
1922-1923

The Progression of Stellar Velocity with Absolute Magnitude
Professor A. S. Eddington and A. Vibert Douglas
Monthly Notices of R.A.S. Royal Astron. Soc.
Vol LXXXIII No. 3. pp. 112-113
Jan 1923.

ECONOMICS (12)

SOCIAL AND INDUSTRIAL LEGISLATION

Friday, January 18th, 1924.

9 to 12 a.m.

(Candidates will write their answers to each part in separate books)

PART I.

1. Compare the present legal status of trade unions and union activities in Canada with their status in Great Britain. Refer to relevant statutes and cases.
2. Compare and criticise the Canadian Industrial Disputes Investigation Act and the legislation governing the Commonwealth Arbitration Court of Australia under the following heads: (a) the principles underlying the legislation (b) the essentials of effective administration, (c) the administrative record.
3. Write notes on three of the following:—
 - The 14th amendment to the United States Constitution and Labour decisions.
 - The Importance of the Combination Acts of 1799 and 1800.
 - The "Danbury Hatters" Case.
 - The Clayton Act as it affects labour.

PART II.

(Answer three questions only)

1. Point out briefly the chief defects in the method of workmen's compensation for industrial accidents and occupational diseases known as Employers' Liability Laws, and discuss the Quebec system of compensation in the light of these defects.

2. What are the arguments upon which the advocates for a Compulsory System of Health Insurance base their demand? Are they sound?

3. Compare the Victoria System of Minimum Wage Legislation with the Canadian Systems.

4. It is said by some Economists that Minimum Wage regulation by law is a contradiction of Economic Laws, and will do harm rather than good. Do you approve, or disagree with this verdict? Why?

5. Name and discuss the chief causes of unemployment, and possible legislative measures for meeting the problem.

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List II Sept 1st 1923 to June 30th 1924

Determination of the Curvature Invariant of Spacetime

[Summarized from lectures by Dr L. Silberstein.]

A. Vibert Douglas

Science Vol. LX pp 311-312 April 4, 1924

Real and Apparent Radial Velocities

A. Vibert Douglas (Communicated by Prof. Eddington F.R.S.)

Monthly Notices of Roy. Astron. Soc.

Vol. LXXXIV. No. 7. pp. 491-493

May 1924

The Incomparability of Stellar Tangential Velocities and Radial Velocities in Their Relation to Absolute Magnitude

A. Vibert Douglas (presented by Dr A.S. Eve, F.R.S.)
Quebec meeting of Roy. Soc. Canada June 1924

The Winter Sky

ANAL

The Journal of the Roy. Astron. Soc. Canada

Vol. XVIII No. 3. pp 102-105. March 1924

The Summer Sky

ANAL

The Journal R.A.S.C.

Vol. XVI pp. 195-198 May 1924

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5. Name and discuss the chief causes of unemployment, and possible legislative measures for meeting the problem.

- Pub. Jan 1925
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To D. Lomer

Nov. 1925

1. Note on Ionization Clouds in an Expansion Chamber

Trans. Roy. Soc. Can. ~~1924~~ 1924 -
Section III pp. 133-136.

2. Measuring the Universe
Discovery Sept. 1924

Vol. V. No. 57 pp. 196-198.

3. The History of the McGill Physical Society
1897-1915

The McGill News March 1925

Alfred

to Dr Lomer May 1926

1. Immensities of Time & Space
Discovery Aug. 1925
Vol. VI No. 68. pp. 300-304
2. Other Little Steps
(Theories of Cosmogony)
Atlantic Monthly Aug. 1925.
pp. 169-174
1. Astronomy & the University
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pp. 23-24.
2. To Every One that Thirsteth
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The Canadian Student Vol. VIII. No. 3.
Dec. 1925. pp. 3-5
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Vol. LXIII No. 2. p. 139-140.
- ⑤⁴ Astrophysics: the Riddle of Star Distances
Discovery Number
Vol. VII No. 77 pp. 175-178

To Dr Lomer May 1926

Lectures -

1. Lyceum Lecture Shawinigan Falls ^{Nov 27/26}
2. Extens. " May. Mar 24/26
3. R.A.S.C. Jan 14/26
4. Am. Women Club. Nov 4/25
5. S.F.G. Ch. Feb 28/26
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Mrs McTaggart gave over 100 philosophical books from the library of Dr McTaggart.

Miss Margaret Skeat has given a complete set of the works written, edited and translated by the late Professor W. W. Skeat ; also bookplates to go inside them.

The Library has also been presented, in memory of Mrs Helen Bosanquet, with her (Commissioner's) copy of 42 vols. of the Report of the Royal Commission on the Poor Laws, 1909, 1910.

There has been hung in the Library passage an interesting document, presented by Miss Paues. It is an Indenture of the year 1710 concerning the sale of two tenements 'Sittuate, lying and being in the hamblet of Newnham in the Parish of S^{nt} Buttolfe in Cambridge.'

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Apr. 21/27

Public Lectures Session 1926-27.

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| 1. Some Secrets of Starlight | R.V.C. Natural Science Club - Nov. 10, 1926 |
| 2. Stars Near and Far | Emmanuel Church
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| 4. Stars and Snowflakes | Old Brewery Mission
Jan. 6, 1927 |
| 5. Star Light and Star Dust | Y.W.C.A.
Jan. 7, 1927 |
| 6. " " " " " | Social Service Workers & C.G.I.T., Jan. 25, 1927 |
| 7. " " " " " | Shaw Memorial Church
Feb. 25, 1927 |
| 8. The Far Vision | University Womens' Club, Ottawa - Jan. 15, 1927 |
| 9. Secrets in Starlight | Melville Church
March 16, 1927 |
| 10. Immensities of Time & Space | McGill Lyceum Lecture, Pointe Claire, Feb. 1927 |
| 11. The Signs of the Zodiac | Monteregian Club
March 22, 1927 |
| 12. Sir Isaac Newton and his Influence in Modern Astronomy | Royal Astronomical Society of Canada, Ottawa.
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(a copy of the citation is attached in case it is
wanted for the files).

We, the undersigned, have the honour of nominating Dr. A. Vibert Douglas for election to the Royal Society of Canada.

The early promise of becoming an active scientist was fulfilled in her work for the Master's and Doctor's degrees, and in the Cavendish Laboratory under Rutherford, the Cambridge Observatory under Eddington and at Yerkes Observatory. Her research activity continued beyond her lecturship at McGill 1923 - 39.

Dr. Douglas became Dean of Women at Queen's University (1939 to date), and merits recognition for maintaining unflagging interest in science and research, in lecturing and writing, in the face of exacting demands and responsibilities as Dean. Since 1937 increasing educational demands have been made upon her in the international sphere. Since 1947 she has been acting Professor of astronomy. Her achievements and enthusiasm have been an inspiration to students and colleagues alike.

Sgt. R.L. Jeffery FRSC
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