

## J.D. Newton Soil Science Collection (1921-1998)



**Dr. J. D. Newton**

John Dawson Newton was born in Plaisance Quebec, in 1894. He graduated from McGill University with a B.Sc. (Agric.) in 1917, and received his Ph.D. from the University of California in 1922. He was a member of the Agronomy Department at the University of British Columbia from 1918 to 1920, and concurrently served in the army. Dr. Newton was appointed Associate Professor in the Department of Soils, University of Alberta in 1922, promoted to Professor in 1933, and served as Department Head from 1947 until his retirement in 1959.

The Soil Science Collection in Room 4-42B Earth Sciences Building, University of Alberta was dedicated to Dr. Newton on October 20, 1987 by the Department of Soil Science. In 2001, the book collection was donated to the Cameron Library but the reprint, thesis and journal collections were retained. Now the room is also used as a conference room by the Department of Renewable Resources. In view of the tremendous contributions of Dr. J. D. Newton to Soil Science in Alberta and Canada, the conference room located at 4-42B Earth Science Building was named as the 'J. D. Newton Conference Room' by the Board of Governors, University of Alberta on June 22, 2001.

### Extension Articles

#### 1921

Wyatt, F.A. 1921. Soil sampling. Department of Extension, The University of Alberta, Edmonton. Circular No. 11.  
Reprint Number 3

#### 1925

Wyatt, F.A., Newton, J.D. 1925. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Circular No. 4. Reprint Number 7

#### 1930

Wyatt, F.A., Newton, J.D. 1930. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Circular No. 4 (Revised). Reprint Number 23

#### 1932

Wyatt, F.A., Macgregor Smith, J., Newton, R., Gillies, C.C. 1932. Soil drifting and its control. Department of Extension, The University of Alberta, Edmonton. Circular No. 13. Reprint Number 32

Wyatt, F.A., Newton, J.D. 1932. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Circular No. 4 (Revised). Reprint Number 31

Wyatt, F.A., Newton, J.D. 1932. Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21. Reprint Number 33

### **1937**

Wyatt, F.A., Newton, J.D. 1937. Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21 (Second Edition, Revised). Reprint Number 60

### **1939**

Wyatt, F.A., Newton, J.D., Ignatieff, V. 1939. The use of fertilizers in Alberta. Department of Extension, The University of Alberta, Edmonton. Circular No. 23. Reprint Number 69

### **1941**

Wyatt, F.A., Newton, J.D., Ignatieff, V. 1941. Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21 (Third Edition, Revised). Reprint Number 73

### **1945**

Newton, J.D., Wyatt, F.A. 1945. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Circular No. 4 (Fourth Edition, Revised). Reprint Number 88

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Newton, J.D., Ward, A.S., Bentley, C.F. 1948. Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21 (Fourth Edition, Revised). Reprint Number 100

### **1950**

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### **1951**

Newton, J.D. 1951. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Circular No. 4 (Fifth Edition, Revised). Reprint Number 107

### **1955**

Toogood, J.A., Newton, J.D. 1955. Water erosion in Alberta. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 56 (Second Edition). Reprint Number 127

**1956**

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**1957**

Bentley, C.F. 1957. Soils and fertilizers for Alberta gardens and lawns. Department of Extension, The University of Alberta, Edmonton. Circular No. 30 (revised). Reprint Number 141

Webster, G.R., Adamson, R.M., Crossley, J.H., Harris, J.H., Turley, R.H., Woods, J.J. 1957. Sawdust for horticultural crops. Dominion Experimental Farm, Saanichton, B.C. Pub. No. 165. Reprint Number 142

**1959**

Newton, J.D., Bentley, C.F., Toogood, J.A., Robertson, J.A. 1959. Grey Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21 (Fifth Edition, Revised). Reprint Number 159

**1960**

Robertson, J.A. 1960. Soil testing in Alberta. Department of Extension, The University of Alberta, Edmonton. Bulletin No. S-T-1. Reprint Number 177

**1962**

Bentley, C.F. 1962. A Dean speaks frankly. Country Guide. September. Reprint Number 200

Toogood, J.A., Bentley, C.F., Webster, G.R., Moore, A.W. 1962. Grey Wooded soils and their management. Department of Extension, The University of Alberta, Edmonton. Bulletin No. 21 (Sixth Edition, Revised). Reprint Number 202

**1963**

Moore, A.W. 1963. Legume inoculation. Department of Extension, The University of Alberta, Edmonton. Bulletin S-M-2 (Circular No. 4, Sixth Edition Revised). Reprint Number 220

Toogood, J.A. 1963. Youngstown irrigation experiments. Department of Soil Science, The University of Alberta, Edmonton. Reprint Number 222

**1964**

Bentley, C.F. 1964. The Faculty of Agriculture in service to Alberta agriculture--a challenge. In Agriculture Bulletin, No. 3, The University of Alberta, Edmonton. Reprint Number 234

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## **1966**

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Robertson, J.A. 1966. Sulphur, an agronomic enigma. In Agriculture Bulletin, No. 5, The University of Alberta, Edmonton. Reprint Number 260

Webster, G.R., McCoy, D.A. 1966. Poor alfalfa growth on some Alberta soils. In Agriculture Bulletin, No. 5, The University of Alberta, Edmonton. Reprint Number 261

## **1967**

Bentley, C.F., Andrew, W.T. 1967. Tomatoes--now and then. In Agriculture Bulletin, No. 6, The University of Alberta, Edmonton. Reprint Number 272

Cook, F.D. 1967. The agricultural graduate in medical research. In Agriculture Bulletin, No. 6, The University of Alberta, Edmonton. Reprint Number 273

## **1968**

Bentley, C.F. 1968. Food for all. In Agriculture Bulletin, No. 7, The University of Alberta, Edmonton. Reprint Number 300

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## **1971**

Bentley, C.F. 1971. Applying research results. In Agriculture Bulletin, No. 16, The University of Alberta, Edmonton. Reprint Number 376

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McQuitty, J.B., Robertson, J.A., Barber, E.M. 1971. Feedlot pollution. I: A literature review. Department of Agricultural Engineering, The University of Alberta, Edmonton. Research Bulletin 71-2. Reprint Number 380

Nyborg, M., Bentley, C.F. 1971. Sulphur deficiency in rapeseed and cereal grains. In Agriculture Bulletin, No. 15, The University of Alberta, Edmonton. Reprint Number 374

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#### **1974**

Crown, P.H., Kocaoglu, S.S. 1974. Land use conflict in Alberta: agriculture vs. urban developments. In Agriculture Bulletin, No. 25, The University of Alberta, Edmonton. Reprint Number 474

McGill, W.B. 1974. Degradation of organic pollutants in soil. Part 2: Petroleum and human and industrial wastes. In Agriculture Bulletin, No. 23, The University of Alberta, Edmonton. Reprint Number 473

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#### **1975**

Robertson, J.A. 1975. Nitrogen and grass. Paper presented to Cattlemen's Short Course, Faculty of Extension, The University of Alberta, Edmonton. Reprint Number 501

#### **1976**

Bentley, C.F. 1976. The green revolution. In The New Trail, The University of Alberta, Edmonton. Reprint Number 639

McGill, W.B. 1976. An introduction for field personnel to the effects of oil spills on soil and some general restoration and cleanup procedures. Alberta Institute of Pedology, Edmonton. Publication No. G-76-1. pp.29. Reprint Number 524

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Bentley, C.F. 1977. Agricultural changes and resource endowments. In Agriculture and Forestry Bulletin, No. 35. Reprint Number 545

Bentley, C.F., Robertson, J.A. 1977. Soils and fertilizers for gardens and lawns (Revised). The University of Alberta, Edmonton. Reprint Number 158

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Crown, P.H. 1977. Another look at strip farming in southern Alberta. In Agriculture and Forestry Bulletin, No. 35, The University of Alberta, Edmonton. Reprint Number 559

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## **1978**

Bentley, C.F., Crepin, J.M., Domier, K.W. 1978. No-tillage grain production in the Edmonton area. In Agriculture and Forestry Bulletin, 1(1), The University of Alberta, Edmonton. Reprint Number 590

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Robertson, J.A., McQuitty, J.B. 1978. Feedlot pollution in central Alberta. In Agriculture and Forestry Bulletin, 1(1), The University of Alberta, Edmonton. Reprint Number 589

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### **1979**

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### **1983**

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Robertson, J.A., McGill, W.B. 1983. New directions for the Breton plots. *Agriculture & Forestry Bulletin*. 6(1): pp. 41-45. Reprint Number 810

Shaw, D.R., Cook, F.D. 1983. Bacteria and high iron well water. *Agriculture & Forestry Bulletin*. 6(1): p. 46. Reprint Number 811

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#### **1984**

Bentley, C.F. 1984. Food by: Imports? Land development? Land reform? Mechanization? Zoning? Irrigation? Improved technologies? *Agriculture & Forestry Bulletin*. 7(3,4):19-26. Reprint Number 928

Bentley, C.F. 1984. Some contributions and dilemmas of soil conservation. *Agriculture & Forestry Bulletin*. 7(3,4):13-18. Reprint Number 929

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#### **1985**

McGill, W.B. 1985. New Strategies to counteract soil degradation. *Folio*, University of Alberta. 22(14): 1. Reprint Number 990

McGill, W.B. 1985. Soil conservation requires integrated agricultural systems. pp. 180-193 in *Proceedings of the Second Century Conference: Opportunities for agriculture*, Alberta Agriculture, Edmonton. Reprint Number 953

McGill, W.B. 1985. Soil. p. 1727 In The Canadian Encyclopedia, Mel Hurtig Pub. Reprint Number 989

#### **1986**

Chanasyk, D.S. 1986. Soil degradation: An important national issue. Agriculture & Forestry Bulletin. 9(3):18-23.

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#### **1992**

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#### **1993**

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#### **1952**

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#### **1953**

Newton, J.D. 1953. Handling straw and trash cover: effects on the soil. Agr. Inst. Rev. 8(5): pp. 11-12. Reprint Number 118

#### **1958**

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Bentley, C.F., Rohner, D.J. 1962. Joint FAO-UNESCO report. Khonkaen Institute of Technology, Bangkok, Thailand. Reprint Number 201

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**1965**

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**1966**

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### **1967**

Bentley, C.F. 1967. Food for all. Can agriculture provide? Agricultural Institute of Canada Centennial Lecture. Agricultural Institute of Canada, Ottawa, Ontario, Canada. Reprint Number 274

Bentley, C.F. 1967. Full heads and empty stomachs. Address to the Inter-University Seminar, University of Guelph. Reprint Number 87

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### **1968**

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### **1969**

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#### **1974**

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#### **1975**

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