

REPORT OF THE PRESIDENT  
OF THE UNIVERSITY OF BRITISH COLUMBIA  
FOR THE ACADEMIC YEAR ENDING  
AUGUST 31st, 1934.

PUBLICATIONS

FACULTY OF ARTS AND SCIENCE

DEPARTMENT OF BACTERIOLOGY:

Dr. D.C.B.Duff:

"Investigations on Causes of Disease in Salmonidae."  
Biological Board of Canada, Annual Report 1931, p. 70.

"Toxic Properties of Herring Meal and Oil When Used as  
Food for Sockeye Fry."  
Biological Board of Canada, Annual Report 1932, p. 81

"Furunculosis and Other Notes on Fish Pathology."  
Biological Board of Canada, Annual Report 1933, p.75.

DEPARTMENT OF BOTANY:

Dr. A. H. Hutchinson:

"Longevity and Periodicity of Growth - A Study of  
Tree Growth."  
Proc. Fifth Pacific Science Congress, Vol. 2, 933-946,  
1934.

C.C.Lucas and Dr. A.H.Hutchinson:

"Density Studies of the Strait of Georgia."  
In Press.

DEPARTMENT OF CHEMISTRY:

# Dr. R.H.Clark and Mr. H.I.Edwards:

"The Effect of Certain Chemicals upon Amylase Activity."  
Trans. Royal Soc. Can., Vol. XXVII, 1934.

# Dr.R.H.Clark, Mr. R.G.D.Moore and Mr. M.McArthur:

"The Preparation of Certain Cinnamic Acid and Ortho-  
Phenyl-Phenol Derivatives."  
Trans. Royal Soc. Can., Vol. XXVII, 1934.

#Also reported under Faculty of Applied Science -Dep't.of Chemistry.

Department of Chemistry - continued:# Dr. R. H. Clark and Mr. J.A.Spragge:

"Addition Products of Halogenyl Amides with Pyridine"  
Trans. Roy. Soc.Can., Vol. XXVII, 1934.

DEPARTMENT OF ECONOMICS:Mr. H. F. Angus:

"Canadian Immigration: the Law and its Administration"  
American Journal of International Law, Vol. 28, No.1,  
January, 1934.

DEPARTMENT OF ENGLISH:Dr. W. L. Macdonald:

"The Augustan 'Mobility' "  
University of Toronto Quarterly  
January 1933.

DEPARTMENT OF GEOLOGY and GEOGRAPHY:Dr. S. J. Schofield:

"The Geology of British Columbia and the Yukon" 730 pages  
In Press.

"Ore in depth in B.C.Mines," in conjunction with Mr. I.M.  
Marshall.  
Paper read before Canadian Institute of Mining and  
Metallurgy.

Dr. M. Y. Williams:

"Summary of the Mineral Resources of the Peace River Area  
of B.C."  
Trans. of Can. Inst. of Min. & Metall., July 1934, pp.351-357.

#Also reported under Faculty of Applied Science- Dep't. of Chemistry.

Department of Geology and Geography-continued:Dr. M.Y. Williams:

"Distribution of Life around the Pacific."  
Trans. Pacific Science Congress, In Press.

Dr. H.V. Warren:

"The Mineralogy of the Cariboo Gold Quartz Mine."  
British Columbia Miner, Vancouver, July 1934, Vol. 7, No. 7.

"The Occurrence of Schwatzite in British Columbia."  
Economic Geology, In Press.

"The Silver Tetrahedrite in the Coeur d'Alene  
District, Idaho."  
Economic Geology, In Press.

DEPARTMENT OF HISTORY:Dr. W.N. Sage:

"A Note on the Origin of Strife between Sir George Simpson  
and Dr. John McLoughlin,"  
Washington Historical Quarterly, October, 1933.

"Life at a Fur-Trading Post in British Columbia a Century Ago."  
Washington Historical Quarterly, January 1934.

"The British Commonwealth and the Collective System,"  
Pacific Historical Review, June 1934.

Mr. F.H. Soward:

"Canada and the Far Eastern Crisis."  
A paper read at the annual meeting of the Canadian Historical  
Association in 1933 and distributed by the Canadian Institute  
of International Affairs as a Delegation Paper for the Banff  
Conference of the Institute of Pacific Relations.

Mr. A.C. Cooke:

"The Dual Mandate in British East Africa."  
Pacific Historical Review, June 1934.

DEPARTMENT OF MATHEMATICS:

Dr. D. Buchanan:

"The Spheroidal Pendulum"  
Transactions The Royal Society of Canada,  
Section III, Vol. XXVIII, 1934.

Dr. F. S. Nowlan:

"Transformations which leave Invariant the  
Multiplication Table of a Total Matric  
Algebra."  
The Tshoku Mathematical Journal,  
Vol. 39, Pt. 2, June, 1934.

"Analytic Geometry"  
McGraw-Hill Book Co., Inc.,  
New Second Edition - June 1934, 352 pp.

Mr. L. Richardson:

"Application of Vector Analysis in Spherical  
Trigonometry"  
Mathematical Monthly. In Press.

"New Proofs for  $\sin (A \pm B)$ ,  $\cos (A \pm B)$  for all angles."  
School Science and Mathematics. In Press.

Mr. F. J. Brand:

"An Elementary Approach to the Theory of Relativity"  
Journal of the Royal Astronomical Society, February, 1934.

DEPARTMENT OF ZOOLOGYDr.C.McLean Fraser:

"Hydroids as a food supply,"  
Trans. Roy. Soc. Can. 3rd Ser.  
Vol. 27, Sec. 5, pp. 259-264.

"Some Greenland Hydroids,"  
Jour. Wash. Acad. Sc., Vol. 23,  
No. 12, pp. 563-566.

"Report of the Standing Committee on the  
Oceanography of the Pacific, British Columbia,  
Proc. Fifth Pac. Sc. Congress, 1933, pp.307-317.

"Report of the Standing Committee for the  
Protection of Nature in and around the  
Pacific for the years 1929-1932,  
Canada. Ibid. pp. 390-395.

"Hydroids from the Pacific Coast of North America."  
Book - In Press.

Mr.G.J.Spencer:

"On the Function of the air-sacs of Insects."  
Can. Entomologist - In Press.

"The Bed Bugs of British Columbia."  
Proc. Entomological Soc. of B.C. 1934.

"The Identity of the Carnation Maggots of B.C."  
Proc. Entomological Soc. of B.C. 1933.

"The Identity of Rhynchocephalus sackeni Will."  
Proc. Entomological Soc. of B.C. 1933.

"Notes on Rhynchocephalus sackeni Will."  
Can. Entomologist, Vol. 86, No. 4, April 1934.

"The Biology of certain range-infesting grasshoppers  
in British Columbia." (With E.R.Buckell).  
Proc. International Grain Congress at Regina, 1933, In Press.

Dr.Gertrude Smith:

"Further observations on the ecology, rate of growth and  
food supply of some Pacific clams."  
Trans. Royal Soc. Can. 3rd Ser. Sect. V, Vol. XXVII, 1933,  
p. 229-245.

FACULTY OF APPLIED SCIENCEDEPARTMENT OF CHEMISTRY:

# Dr. R.H.Clark and Mr. H.I.Edwards:

"The Effect of Certain Chemicals upon  
Amylase Activity"  
Trans. Royal Soc. Can. Vol. XXVII, 1934.

# Dr. R. H. Clark, Mr. R.G.D.Moore and Mr. M.McArthur:

"The Preparation of Certain Cinnamic Acid and  
Ortho-Phenyl-Phenol Derivatives"  
Trans. Royal Soc. Can. Vol. XXVII, 1934.

# Dr.R.H.Clark and Mr. J. A. Spragge:

"Addition Products of Halogenyl Amides with  
Pyridine"  
Trans. Royal Soc. Can. Vol. XXVII, 1934.

DEPARTMENT OF CIVIL ENGINEERING:

Mr. A.Hrennikoff:

"Work of Rivets in Riveted Joints"  
Transactions American Society of Civil Engineers,  
Vol. 99 - 1934, p. 437.

DEPARTMENT OF NURSING AND HEALTH:

Dr. H.W.Hill:

"Series of Eight Articles in the Bulletin of the  
British Columbia Board of Health."

# Also reported under Faculty of Arts and Science-Dep't. of Chemistry.



FACULTY OF AGRICULTUREDEPARTMENT OF AGRONOMY:Dr. D.G.Laird:

"Soil Survey: A Basis for Land Utilization in  
British Columbia." In Press.

OTHER PUBLICATIONS

The following publications are based on researches financed by private individuals and business firms. The Board of Governors placed the necessary laboratory accommodation in the Department of Bacteriology at the disposal of the investigators. All the members of the Department of Bacteriology and of the Department of Poultry Husbandry co-operated with the research workers listed below:-

Mr. Jacob Biely and Mr. William Roach:

"A Comparison of the Routine and the Routine Rapid  
Whole Blood (Stained Antigen) Serum Agglutination  
Tests for Pullorum Disease."  
Can. Jour. Res. 10, 1934, pp. 798-806.

Mr. Jacob Biely and Mr. E.A.Lloyd:

"Agglutination Tests for the detection of Pullorum  
Disease."  
The Veterinary Record, XIV, 31, 1934, pp. 878-882.

Mr. Jacob Biely and Miss E.Irene Palmer:

"Studies in Total Erythrocyte and Leucocyte Counts of  
the Domestic Fowl. III. Variation in Number of Blood  
Cells of Normal Fowls."  
Poultry Science, Vol. XIII No. 5, pp. 297-298, 1934.

Mr. Jacob Biely and Miss V.Elvera Palmer:

"An Examination of the Brachial Plexus of Normal Birds  
for the presence of Lymphoid Infiltrations."  
Jour. Comp. Path. and Therap. XLVII. (3) pp.205-210,1934.



In addition to the above publications which were financed by private individuals and business firms, reference should be made to the investigation conducted by Dean F.M. Clement on the marketing problems confronting the co-operative producers of fruit and vegetables in the Okanagan Valley. The funds providing for this investigation and for the publication of this Report were subscribed by the members of the Southern Okanagan Co-operative Associations.