

REPORT OF THE PRESIDENT  
OF THE UNIVERSITY OF BRITISH COLUMBIA  
FOR THE ACADEMIC YEAR ENDING  
AUGUST 31st, 1933.

PUBLICATIONSFACULTY OF ARTS AND SCIENCE.DEPARTMENT OF BACTERIOLOGY:Miss Helen M. Mathews:

"Study of Certain Marine Bacteria."  
Contributions to Canadian Biology and Fisheries.  
(In Press).

Dr. D.C.B.Duff and B.J.Stewart:

"Studies on Furunculosis of Fish in British Columbia."  
Contributions to Canadian Biology and Fisheries, VIII,  
No. 8 - (Series A. General, No. 35.)

Mr. Jacob Biely and Dr. V.S.Asmundson:

"Fish Meal Supplements for Chicks, Part I."  
Scientific Agriculture, XIII (4) 1932, pp. 236-248.

"Fish Meal Supplements for Chicks, Part II."  
Scientific Agriculture, XIII (7), 1933, pp.435-438.

Mr. Jacob Biely and Mr. William Roach:

"Comparison of Repeated Rapid Whole-blood, Rapid Serum  
and Tube Agglutination Tests."  
Journal Comp. Path. and Therap. XLV. (3) 1932, pp.224-229.

# Mr. Jacob Biely, Mr. E.A.Lloyd and Mr. William Roach:

"Pullorum Disease,"  
Mimeographed Bulletin  
Department of Agriculture, Victoria, B.C., 1933.

# Mr. Jacob Biely and Miss Elvira Palmer:

"The Aetiology of Fowl Paralysis." (A Review of Literature)  
Vet. Record, XLIV. (2312) 1932, pp. 1302-1309.

# Mr. Jacob Biely, Miss Elvira Palmer and Mr. I.Michael Lerner:

"Fowl Paralysis (Neurolymphomatosis gallinarum) in Chicks  
under Three Months of Age."  
Can. Journal Research, 8, 1933, pp. 305-311.

# Reported under Faculty of Agriculture-Department of Poultry Husbandry.

Department of Bacteriology continued:

# Mr. Jacob Biely, Miss Elvira Palmer, Mr. I. Michael Lerner  
and Dr. V. S. Asmundson:

"Inheritance of Resistance to Fowl Paralysis  
(Neurolymphomatosis gallinarum)," Science, 78,  
1933, p. 42.

# Mr. Jacob Biely and Miss Elvira Palmer:

"The Antirachitic Value of Pilchard Oil (Sardine Oil)  
for Growing Chicks."  
Scientific Agriculture, 14 (2) 1933.

# Mr. Jacob Biely and Mr. William Roach:

"Further Studies on the Comparative Value of the Rapid  
Whole Blood (Stained Antigen) Agglutination Test and  
the Serum Agglutination Test for Pullorum Disease." In Press.

# Mr. Jacob Biely, Miss Elvira Palmer and Mr. E.A. Lloyd:

"Fowl Paralysis (Neurolymphomatosis gallinarum)"  
Fifth World's Poultry Congress, Rome, Italy, 1933.

DEPARTMENT OF BOTANY:

Dr. A. H. Hutchinson and Miss M. R. Ashton:

"The Effect of Radiant Energy on Diastase Activity."  
Canadian Journal of Research, 9, 49-64, 1933.

Dr. A. H. Hutchinson:

"Longevity and Periodicity of Growth in Trees."  
Proceedings of the Fifth Pacific Science Congress, 1933.

Mr. John Davidson:

"Poisonous Plants of British Columbia."  
The Western Pharmaceutical Review, June, 1933.

"Medicinal Plants of British Columbia."  
The Western Pharmaceutical Review, July, 1933.

# Reported under Faculty of Agriculture-Department of Poultry Husbandry.

Department of Botany continued:Dr. L. H. Hutchinson and Mr. John Davidson:

"Guides for the Pacific Science Congress - 1933"  
 Botany of Vancouver Island - Botany of Vancouver  
 District - Botany of Southern British Columbia.

DEPARTMENT OF CHEMISTRY:Dr. J. A. Harris and Dr. William Ure:

"Experimental Chemistry for Colleges." - (Book)  
 McGraw-Hill Book Company.

Dr. W.F.Seyer and Mr. E.G.King:

"Systems of Sulphur Dioxide and Hydrogen Derivatives  
 of Benzene"  
 Journal American Chem. Society 55, 3140, 1933.

Dr. William Ure and Mr. F.A.DeLisle:

"The Equilibrium between Ammonium Thiocyanate and  
 Thiourca in Solution."  
 Trans. Royal Society Canada, Sec. III, 33.

Dr. William Ure and Mr. John T. Young:

"On the Mechanism of Gaseous Reactions - Homogeneous  
 Catalysis in the Decomposition of Methyl Ethyl Ether."  
 Journal Phys. Chem. 1933.

Dr. R.H.Clark and Mr. Alan Bell:

"A Systematic Study of the Preparation of Acidyl Halides  
 from the Corresponding Acids."  
 Trans. Royal Society, Sec. III, 1933.

Dr. W. F. Seyer:

"The Conversion of Fatty and Waxy Substances into  
 Petroleum Hydrocarbons."  
 Fifth Pacific Science Congress, June, 1933.

DEPARTMENT OF ENGLISH:Mr. Thorleif Larsen:

"A Bibliography of the Writings of George Peele."  
Modern Philology, 1933.

Dr. W. L. MacDonald:

"John Dryden" (1631-1700). The Bookman (American) 1933.  
"The Augustan Mobility." The University of Toronto  
Quarterly (1931).

Dr. G.G.Sedgewick:

"Of Disillusionment in Freshmen." Queen's Quarterly,  
1933.

DEPARTMENT OF GEOLOGY AND GEOGRAPHY:Dr. R.W.Brock: (In conjunction with Dr. S. J. Schofield  
and Dr. M.Y.Williams.)

"Report on the Geology and Mineral Resources of  
Hong Kong and the New Territories." (In press).

Dr. S. J. Schofield: (In conjunction with Dr. R.W.Brock  
and Dr. M. Y. Williams.)

"The Geology of British Columbia."

Dr. M. Y. Williams:

"Geological History of the Southwestern Plains of  
Canada."  
Journal of Geology, Vol. XL, No. 6, Aug.-Sept. 1932.  
pp. 560-575.

"Distribution of Life around the Pacific."  
Read before Pacific Science Congress at Vancouver,  
June, 1933, and to be published in Transactions.

"Biological Notes covering parts of the Peace,  
Liard and Great Bear River Basins."  
Canadian Field Naturalist, Feb. 1933, Vol. XLVII,  
No. 2, pp. 23-31.

Department of Geology and  
Geography continued:

Dr. M. Y. Williams:

"Fauna of the Former Dominion Peace River Block,  
British Columbia."  
Province of B.C. Report of Provincial Museum  
of Natural History, 1932, pp. C 14 - C 24, 3 plates.

Dr. H. V. Warren and Mr. Rodger W. Loofbourow:

"The Occurrence and Distribution of the Precious  
Metals in the Montana and Idaho Mines, Ruby, Arizona."  
Economic Geology, Vol. XXVII, No. 6, Sept. 1932.

Dr. H. V. Warren and Mr. Rodger W. Loofbourow:

"The Occurrence and Distribution of Silver in the  
Silver King, Coalition Mines, Park City, Utah."  
Economic Geology, Vol. XXVII, No. 7, Nov. 1932.

"Relation between Silver Content and Tetrahedrite  
in the Ores of the North Cananea Mining Company,  
Cananea, Sonora, Mexico."  
Economic Geology, Vol. XXVII, No. 8, Dec. 1932.

DEPARTMENT OF HISTORY:

Dr. W. N. Sage:

Articles:            "The Critical Period of British Columbia."  
1866-1871 - Pacific Historical Review,  
December, 1932.

"British Columbia says Klahowya."  
Kiwani's Magazine, July, 1933.

Review of:        "The Drums of Lanoraye"  
by Annie Ermatinger Fraser  
Canadian Historical Review, March, 1933.

"New Spain and the West."  
Canadian Historical Review,  
September, 1933.

Department of History continued:Mr. F. H. Soward:

Pamphlets: "Canada and the League of Nations."  
International Conciliation, New York,  
October, 1932.

A revised and enlarged edition of the  
pamphlet previously published in Canada.

Articles: "Three Years of the Five Year Plan."  
Dalhousie Review, October, 1932.

"The Address of the Honourable Mr. Cahan."  
Interdependence, March, 1933.

"The March of Events in 1932."  
Vancouver Sunday Province, January 1, 1933.

Reviews: "The Capital Question of China" by Lionel  
Curtis - Pacific Affairs, January, 1933.

"The Diplomatic Relations of the United  
States and Japan." by Payson J. Treat  
Pacific Affairs, February, March, 1933.

"Some Educational Factors Affecting the  
Relations between Canada and the United  
States." by Dean Hauck - Canadian Historical  
Review, December, 1932.

As in the past Mr. Soward has assisted in  
the editorial work on Canada for the  
Political Handbook of the World, 1933.

Professor Soward read a paper on Canada and  
the Far Eastern Crisis at the May meeting of  
the Canadian Historical Association at  
Ottawa, and this paper was sent in as a  
data paper to the Conference of the  
Institute of Pacific Relations at Banff.

DEPARTMENT OF MATHEMATICS:Dr. D. Buchanan:

"The Spheroidal Pendulum"  
American Mathematical Monthly.

Department of Mathematics continued:Dr. F. S. Nowlan:

- "Analytic Geometry" - Book - 295 pp.  
 McGraw-Hill & Company,  
 "Transformation of a Total Matric. Algebra." In Press.

Mr. L. Richardson:

- "Applications of Vectors to Spherical Trigonometry."  
 American Mathematical Monthly.  
 "Linear Representation of Hyperbolic Functions" (In Press).

Mr. Walter H. Gage:

- "On Theta Phi Identities."  
 Bulletin, American Mathematical Society,  
 July, 1933.

DEPARTMENT OF PHYSICS:Mr. Black and Dr. J.G. Davidson:

- "New Practical Physics."  
 (Adapted for Canadian Schools by Dr. J.G. Davidson. )

DEPARTMENT OF ZOOLOGY:Dr. C. McLean Fraser:

- "A Comparison of the marine fauna of the Nanaimo  
 region with that of the San Juan Archipelago."  
 Trans. Royal Society, 3rd. Ser. Vol. XXVI, Sec. 5,  
 pp. 49-70.

Mr. G. J. Spencer:

- "Epidapus scabies - A Greenhouse Pest in Vancouver."  
 "Further notes on Rhyncocephalus sackeni Will."  
 Proceedings Ent. Soc. B.C. for 1932.

FACULTY OF APPLIED SCIENCE.DEPARTMENT OF FORESTRY:Mr. F. M. Knapp:

"The Recent Application of Science and  
Engineering to Forestry."  
Fifth Pacific Science Congress, June, 1933.

DEPARTMENT OF NURSING AND HEALTH:Dr. H.W.Hill:

"Bacteriological Study of Milk in British Columbia."  
Supplement, Bulletin of the B.C. Board of Health,  
May, 1933.  
Articles in the above Bulletin.

FACULTY OF AGRICULTURE.DEPARTMENT OF AGRONOMY:Dr. D. G. Laird:

"A Study of Strains of the Rhizobia with Particular  
Reference to the Bacteriophage."  
Read before the Agricultural Conference at the  
World's Grain Show, Regina.

Mr. W.H.Hill, Mr. H.M.King and Dr. D.G.Laird:

"Some Further Studies on the Etiology of Bovine  
Haematuria Vesicalis (Red Water) in British Columbia."  
Sci. Agriculture, 13: 545-60, 1933.

Dr. G.G.Moe:

"Recent Applications of Science to Agriculture."  
Fifth Pacific Science Congress, Victoria, 1933.

"Agronomic Aspects of Wheat on the Pacific."  
Fifth Pacific Science Congress, Vancouver, 1933.

DEPARTMENT OF HORTICULTURE:Dr. G. H. Harris and Mr. J. J. Woods:

"Raspberry Nutrition."  
Fifth Pacific Science Congress, June, 1933.

DEPARTMENT OF DAIRYING:Dr. B.A.Eagles and Mr. W. Sadler:

"Nitrogen Requirements of Lactic Acid Bacteria: I. The Fractional Analysis of Various Nitrogen Sources Used for the Quantitative Determination of the sugar-fermenting Abilities of Lactic Acid Bacteria."  
Can. Journal Research, 1932. 7: 364-369.

Mr. W.Sadler, Dr. B.A.Eagles and Miss G. Pendray:

"Nitrogen Requirements of Lactic Acid Bacteria: II. The Influence of Defined Nitrogen Sources on the Sugar-fermenting Abilities of Lactic Acid Bacteria."  
Can. Journal Research, 1932. 7: 370-377.

"The Nitrogen Requirements of the Lactic Acid Bacteria."  
Biochem. Journal, 1932. XXVI, 1532-35.

Mr. W. Sadler and Dr. B.A.Eagles:

"The Nitrogen Requirements of the Lactic Acid Bacteria: The Effect on the Sugar-fermenting Abilities of Enriching Peptic Caseinogen Digest Broth with Yeast Extract."  
Biochem. Jour. 1933, XXVII: 771-777.

Dr. B.A.Eagles and Mr. W..Sadler:

"Casein-splitting Abilities of Lactic Acid Bacteria."  
Can. Journal Research, 1933, 9: 44-48.

DEPARTMENT OF POULTRY HUSBANDRY:# Mr. Jacob Biely, Mr. E.A.Lloyd and Mr. William Roach:

"Pullorum Disease."  
Mimeographed Bulletin, Dep't. of Agric., Victoria, B.C. 1933.

# Reported under Faculty of Arts and Science- Dep't. of Bacteriology.

Department of Poultry Husbandry continued:# Mr. Jacob Biely and Miss V. Elvira Palmer:

"The Etiology of Fowl Paralysis." (A Review of Literature)  
 Vet. Record, VLIV (2312) 1932. pp. 1302-1309.

"The Antirachitic Value of Pilchard Oil (Sardine Oil) for  
 Growing Chicks."  
 Scientific Agriculture, 14 (2) 1933.

Mr. Jacob Biely, Miss V. Elvira Palmer and Mr. I. Michael Lerner:# "Fowl Paralysis (Neurolymphomatosis gallinarum) in Chicks  
 under Three Months of Age."  
 Canadian Journal Research 8, 1933, pp. 305-311.# Mr. Jacob Biely, Miss V. Elvira Palmer, Mr. I. Michael Lerner  
 and Dr. V. S. Asmundson:

"Inheritance of Resistance to Fowl Paralysis (Neurolymphomatosis  
 gallinarum)."  
 Science 78, 1933, p. 42.

# Mr. Jacob Biely, Miss V. Elvira Palmer and Mr. E.A. Lloyd:

"Fowl Paralysis (Neurolymphomatosis gallinarum)."  
 Fifth World's Poultry Congress, Rome, Italy, 1933.

# Mr. Jacob Biely and Mr. William Roach:

"Further Studies on the Comparative Value of the Rapid  
 Whole Blood (Stained Antigen) Agglutination Test and  
 the Serum Agglutination Test for Pullorum Disease."  
 (In Press).

Dr. V.S. Asmundson and Mr. I. Michael Lerner:

"Inheritance of Rate of Growth in Domestic Fowl"  
 Poultry Science, XII, No. 4, July, 1933.

Dr. V.S. Asmundson and Dr. J. G. Jervis, University of  
 California and University of British Columbia:

"The Effect of Resection of Different Parts of the  
 Oviduct on the Formation of the Hen's Egg."  
 Journal of Exp. Zoology, Vol. 65, No. 3, 1933.

Mr. K. Masui, Mr. Y. Hashimoto and Mr. E.A. Lloyd:

"Sexing Baby Chicks" - Text Book on the Determination  
 of the Sex of Baby Chicks.  
 Journal Printing Co., Vancouver, B.C.

§ Reported under Faculty of Arts and Science (Dep't. of Bacteriology).