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REPORT OF THE PRESIDENT
OF THE UNIVERSITY OF BRITISH COLUMBIA
FOR THE ACADEMIC YEAR ENDING
AUGUST 31st., 1930.

(18)

PUBLICATIONS

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DEPARTMENT OF BACTERIOLOGY:

- "A Modification of the Orskov Simple-Cell Technic".
By - Duff, D.C.B.
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XV, No. 2, p. 186, Nov. 1929.
- "A Physiological Study of Certain Parasitic Saprolegneaceae."
By - Duff, D.C.B.
Contributions to Canadian Biology and Fisheries,
N.S., Vol. No. 7, 1929.
- "An Improved Pipette Manipulator".
By - Duff, D.C.B.
Journal of Laboratory and Clinical Medicine.

DEPARTMENT OF BOTANY:

- "The Specific Effects of Monochromatic Light on the Growth of Paramecium."
By - Hutchinson, A. H., and Ashton, M.R.
National Research Council of Canada.
- "Effect of the Fraser River on the Waters and Phytoplankton of the Strait of Georgia."
By - Hutchinson, A. H., and Lucas, C.C.
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- "Seasonal Variations in the Chemical and Physical Properties of the Waters of the Strait of Georgia in Relation to Phytoplankton."
By - Hutchinson, A.H., Lucas, C.C., and McPhail, M.
(Transactions of the Royal Society of Canada, 3rd Series, Vol. XXIII, Section V, 1929).
- "An Oceanographic Survey of the Surface Waters of the Strait of Georgia."
By - Hutchinson, A.H., Lucas, C.C., and McPhail M.
With four charts. A summary was presented before the Society of Western Naturalists at Pacific Grove, December, 1929, as part of a symposium and the complete account is presented for publication in the Canadian Research Journal.

DEPARTMENT OF BOTANY continued)

- "The Economic Effect of the Fraser River on the Strait of Georgia."
By - Hutchinson, A. H. - Published in Progress Reports of the Pacific Biological Stations, 1929.
- "The Specific Effects of Monochromatic Light upon the Growth of Yeast."
By - Hutchinson, A. H., and Newton, D.
Canadian Research Journal.

DEPARTMENT OF CHEMISTRY:

- "Extraction of Commercial Rare Earth Residues with a view to the Concentration of Illinium."
By - Ball, R. W. with Harris, J.A.
J. Am. Chem. Soc. 51, 2107.
- "A Comparison of Methods for the Extraction of the Rare Earths from Gadolinite."
By - Pearce, D.W., with Harris, J.A.
Trans. Royal Society, Canada, XXIII, 61.
- Iodine Numbers of Lubricating Oils before and after use in Automobile Engines."
By - Seyer, W.F., and Allen, J.S.
J. Ind. & Eng. Chem. Aug. 1929.
- "The Effect of Temperature on the Molecular Surface Energy of Binary Mixtures."
By - Seyer, W.F., Peck, W.S.
J. Am. Chem., Soc., 52, 14, 1930.
- Solubility of Sodium Carbonate and a Method of Determining Solubilities at High Temperatures."
By - Seyer, W.F., and Todd, E.E.
Trans. Royal Society, Canada, XXIII, 1929.
- "Radioactive Platinum Concentrates of British Columbia."
By - Seyer, W.F.
Trans. Royal Society, Canada, XXIII, 1929.
- "The Physical and Chemical Differences Between Eastern and Western American Lubricating Oils."
By - Seyer, W.F., in "Petroleum Equipment Exporter" - Vol. 1, 2, 1930.

DEPARTMENT OF CHEMISTRY (continued)

- "The Critical Solution Temperature of Sulphur Dioxide and Normal Paraffin Hydrocarbons."
By - Seyer, W.F., and Todd, E.E.
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- "A New Compound of Cyclohexene Peroxide and Sulphur Dioxide."
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- "A Further Investigation of the Two Electromers of 2 Pentene".
By - Clark, R. H., and Hallonquist, E. G.
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- "The Addition of Hydrogen Bromide to Allyl Bromide in Magnetic and Electrostatic Fields."
By - Clark, R. H., and Gray, K.R.
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- "The Nitration of Benzoic Acid in Magnetic and Electrostatic Fields."
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- "The Determination of Cholesterol in Blood."
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- "Blood Normals for Cattle."
By - Allardyce, J., Fleming, R.H., Fowler, F.L.
with Clark, R.H.
Royal Society, Canada, Section IV, 1930.
- "Haematuria Vesicalis (Red Water)."
By - Clark, R.H., Fleming, R.H., and Fowler, F.L.,
Royal Society, Canada, Section IV, 1930.
- "The Solubility of Sodium Metavanadate and Lead Metavanadate in Water and Nitric Acid, and the Separation of Vanadium from Chromium by Archibald, E.H., and Edwards, H.
Royal Society, Canada, Section IV, 1930.
- "The Solubility of Beryllium Hydroxide in Solutions of Sodium Bicarbonate and the Separation of Beryllium from Vanadium - Chromium and Uranium".
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DEPARTMENT OF CHEMISTRY (continued)

- "The Molecular Surface Energy of Binary Mixtures
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- "The Heat of Adsorption of Oxygen on Charcoal"
By - Marshall, M.J., and Bramston-Cook, HE.
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- "A Test of the Radiation Hypothesis of Chemical
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By - Ure, Wm., and Tolman, R.C.
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- "A Systematic Study of the Preparation of Alkyl
Chlorides from the Corresponding Alcohols."
By - Clark, R.H., and Straight, H.R.L.
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- "The Reduction of the Nitro Group as a Function of
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- "Cathodic Halogens - The Electrolysis of Halogenyl
Amides."
By - Straight, H.R.L., and Hallonquist, E.G., with
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485, 1929.
- "A New Method for the Preparation of Rare Earth Bromates"
By - Harris, J. Allen. (Presented by Clark, R.H.)
Royal Society, Canada, Section III, 1930.
- "A Study of the Absorption Spectra of various series of
Rare Earth Double Nitrates."
By - Pearce, D.W., with Harris, J. Allen.
(Presented by Clark, R.H.).
Royal Society, Canada, Section III, 1930).
- "The Kinetics of the Intramolecular Transformation of
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By - Ure, William and Edwards, B.
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Royal Society, Canada, Section IV, 1930.

DEPARTMENT OF CHEMISTRY: continued)

- "Experiments with the Parathyroid Hormone. Cat Method of assay, potency factors in preparation."
By - Allardyce, W.J.
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DEPARTMENT OF ECONOMICS:

- "Canadian Penal Institutions"
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- "The Passing of the County Jail in Canada"
By - Topping, C.W.
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Association Proceedings.
- "The Silver Standard"
By - Drummond, G. F.
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DEPARTMENT OF ENGLISH:

- "Pronunciation"
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Royal Society, Canada.
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- "Wordsworth, Arnold and Professor Lane Cooper"
By - Sedgewick, G.G.
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- "The Middle Years of George Peele, Dramatist, 1588-1591"
By - Larsen, T. (Presented by Chas. Hill-Tout,)
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DEPARTMENT OF GEOLOGY AND GEOGRAPHY

- "Geology and Mineral Resources of the Yalakom Map Area, West Lillooet Block"
By - Schofield, S.J.
With - Brock, R.W., Williams, M.Y., and Turnbull, J.M.

DEPARTMENT OF GEOLOGY AND GEOGRAPHY (continued)

- "Report of the Commission on Mineral Resources of the P.G.E. Land Grants."
By - Schofield, S.J.
- "Report on Pacific Great Eastern Land Blocks (Peace, West Cariboo and West Lillooet)"
By - Williams, M.Y.
With - Brock, R.W., Schofield, S.J. and Turnbull, J.M.
- "Report of the Commission on Mineral Resources of the P.G.E. Land Grants."
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Royal Society, Canada, Section IV, 1930.
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By - Brock, R.W.
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Western Branch, C.I.M.M., B.C. Miner.
- "Japan" (Institute of Pacific Relations Conference)
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Canadian Papers - 1929.
- "Calaverite - A Study of its Crystallography"
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- "The Geology and Geography of the Modoc Quadrangle, Cal."
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- D.C. Harvey: Review: Polk: The Diary of a President, 1845-1849.
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DEPARTMENT OF HISTORY:(continued)

W.N.Sage:

Articles:

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Howay, F.W. (Ed.) - The Builders of the West. Toronto, Ryerson Press, 1929.
(A Chapter on Blanchard and Douglas).

Martin, C.E., and Leebrick, K.C. (Ed.) The Pacific Area, Seattle, University of Washington Press, 1929.
The Three British Empires, pp. 101-117.

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Reviews:

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F. W. Soward:

Articles:

The Outbreak of the World War.
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pp. 595-618.

The Election of Canada to the League of Nations Council in 1927.

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- "The Problem of Three Bodies"
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- "Periodic Orbits in the Restricted Problem of
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By - Buchanan, D.
Royal Society, Canada, Section III, 1930.
- "An Illustrative Orbit in the Restricted Problem of
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By - Pollock, Miss Mary E. (Presented by D. Buchanan)
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- "Tangential Coordinates"
By - Nowlan, F.S., and James, R.D. (Introduced
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Section II, 1930.
- "Transformation of Units in a Simple Matric Algebra"
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- "Sets of Integral Elements of Certain Rational Dickson
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- "On the Direct Product of a Division and a Total
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By - Nowlan, F.S.
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Vol. XXXVI, No. 4, April, 1930, pp. 265-268.
- "The Pendulum Orbit of the Normal Hydrogen Molecule"
By - Buchanan, D.
Trans. Royal Society of Canada.
Vol. XXIII, Series III, 1929, pp. 125-131.
- "Second Genus Orbits for the Helium Atom."
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DEPARTMENT OF MODERN LANGUAGES:

- "Moliere" (Republic of Letters Series)
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DEPARTMENT OF MODERN LANGUAGES (continued)

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the former.
By - Ashton, H.
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- "Literary Scholarship in Canadian Universities"
By - Clark, A.F.B.
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DEPARTMENT OF ZOOLOGY:

- "Some Free-Swimming Copepods of the Vancouver Island Region"
By - Campbell, Miss Mildred H. (Presented by C.
McLean Fraser).
Royal Society, Canada, Section II, 1930.
- "The Razor Clam, Siliqua Patula (Dixon) of Graham Island
Queen Charlotte Group "
By - Fraser, C.McLean.
Royal Society, Canada, Section II, 1930.
- "Some Cumacea of the Vancouver Island Region."
By - Hart, F.L. (Presented by C.McLean Fraser)
Royal Society, Canada, Section II, 1930.
- "Spawning and free swimming larval periods of Saxidomus
and Paphia."
By Fraser, C.McLean.
Trans. Royal Society, Canada, Sec. V, 1929, pp.195-198.

DEPARTMENT OF ZOOLOGY continued

"The Necessity in Marine Biological Investigation for data regarding physical and chemical oceanography and plankton content and distribution."
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FACULTY OF APPLIED SCIENCE

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DEPARTMENT OF GEOLOGY reported in Arts

DEPARTMENT OF MINING and METALLURGY:

"Developments at Owens Lake"
By - Turnbull, J.M.
"Flotation Practice at the Duthie and Silver Cup Mills"
By - Gillies, G.A.

FACULTY OF AGRICULTURE

DEPARTMENT OF DAIRYING:

- "An Alleged Feed Flavour in Milk Caused by Specific Bacteria."
By - Sadler, Wilfrid, Irwin, M.Lenora and Golding, N.S.
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- "Flavour Defects in High Grade Milk"
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- "Is All Milk Equally Suitable as a Medium for the Preparation of Starters?"
By - Kelly, C.D. 1930.
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- "The Effect of Ammonium Salts on the Growth of P.Roqueforti in Cheese".
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- "Feed Flavour or Stable Odour in Milk Caused by a - typical strain of Aerobacter oxytocum."
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DEPARTMENT OF HORTICULTURE:

- "Tree-Fruit Farming in British Columbia"
By - Clement, F.M. and Wilcox, J.C.
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Province of British Columbia Department of Agriculture, Bulletin No. 105: 1-54, 1929.
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By - Harris, G. H.
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DEPARTMENT OF POULTRY HUSBANDRY:

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"Farm Survey Records and Flock Management Problems
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By - Lloyd, E.A. and Riley, W.J. - Feby. 1930.

"Master Breeder's Guide"
By Lloyd, E.A.
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"Fish Oils as Sources of Vitamin D. for Poultry"
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