

1961
PUBLICATIONS
of the
FACULTY AND STAFF

THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER

1961
PUBLICATIONS
of the
FACULTY AND STAFF

SEPTEMBER 1, 1959
TO
AUGUST 31, 1960

THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER

CONTENTS

PAGE	5	Guide to Arrangement of List
	7	Administration
	7	Department of Agricultural Engineering
	7	Department of Anatomy
	9	Division of Animal Science
	10	Department of Anthropology and Sociology
	10	School of Architecture
	11	Asian Studies
	11	Department of Bacteriology and Immunology
	12	Department of Biochemistry
	12	Department of Biology and Botany
	14	Department of Chemical Engineering
	14	Department of Chemistry
	20	Department of Civil Engineering
	21	Department of Classics
	22	Faculty of Commerce and Business Administration
	23	Department of Economics and Political Science
	24	College of Education
	26	Department of Electrical Engineering
	26	Department of English
	31	Department of Fine Arts
	31	Faculty of Forestry
	32	Department of Geography
	33	Department of Geology
	34	Department of German
	34	Department of History
	35	Faculty of Law
	36	Library
	38	Department of Mathematics
	41	Department of Mechanical Engineering

CONTENTS

PAGE	42	Department of Medicine
	45	Department of Mining and Metallurgy
	46	Department of Neurological Research
	46	School of Nursing
	47	Department of Obstetrics and Gynaecology
	47	Institute of Oceanography
	48	Department of Paediatrics
	49	Department of Pathology
	50	Department of Pharmacology
	50	Faculty of Pharmacy
	50	Department of Philosophy
	51	School of Physical Education and Recreation
	52	Department of Physics
	54	Department of Physiology
	55	Division of Plant Science
	56	Department of Poultry Science
	57	Department of Preventive Medicine
	57	Department of Psychiatry
	57	Department of Psychology
	58	Department of Romance Studies
	59	Department of Slavonic Studies
	59	School of Social Work
	59	Department of Soil Science
	60	Department of Surgery
	62	Department of University Extension
	62	Department of Zoology (including the Institute of Fisheries)
	67	Editors-in-Chief
	69	Index

THE UNIVERSITY OF BRITISH COLUMBIA PUBLICATIONS BIBLIOGRAPHY SERIES NO. 11

Guide to Arrangement of List

As an experiment, partly in response to numerous requests, partly as a measure of economy, the list this year is arranged by departments, rather than alphabetically. If two men of the same department are joint authors of an article, it is entered once under the first name on the title page. Should the second man be a member of another department, the article will also be listed under his name in the appropriate place. For example, an article by Dr. Ian Cowan and Dr. A. J. Wood is entered under Zoology for Dr. Cowan and under Animal Science for Dr. Wood, but an article by Dr. and Mrs. Friedman and Miss Miyoshi Nakashima would be listed only once in Anatomy, under the name first listed in the journal. *All names are included in the index.* No article is listed twice under the same man, regardless of the fact that the author is a member of several departments.

For the first time this year, in a special section, recognition is given to the work of those who serve as Editors-in-Chief of journals with a circulation of some significance beyond the campus.

As usual the Faculty Bibliography has been published under the auspices of the Editorial Committee.

ANNE M. SMITH, *Compiler and Editor.*

PUBLICATIONS OF THE FACULTY AND STAFF

SEPTEMBER 1, 1959 - AUGUST 31, 1960

ADMINISTRATION

ANDREW, GEOFFREY C. *Report of the Committee on New Zealand universities; December 1959.* By David Hughes Parry, Geoffrey C. Andrew, Roy W. Harman. Wellington, Government printer, 1960. 130 p.

MACKENZIE, NORMAN A. M. "Faculty participation in university administration." *Vestes; the Australian universities' review* 3:16-9 June 1960.

". . . Neighbourly influences." *Times supplement on Canada* 54631:iii November 30 1959.

"The place of a Faculty of education in a university." *Journal of education* 4:128-31 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

DEPARTMENT OF AGRICULTURAL ENGINEERING

STALEY, L. M. "Controlling environment in farm construction." *Country life in British Columbia* 46:9+ August 1960.

"Wide range of costs uncovered from use of forage harvesting machinery." *Country life in British Columbia* 46:5 June 1960.

WATSON, E. L. "B.C. farmers not taking advantage of electric power potential at hand." *Country life in British Columbia* 46:8 July 1960.

"Prompt handling plus proper cooling for better quality." *Canadian food industries* 31:33-5 June 1960.

"Vegetable storage." *Country life in British Columbia* 45:15 September 1959.

DEPARTMENT OF ANATOMY

CONSTANTINIDES, PARIS "Human hyperlipaemia and hypercholesterolaemia. Rapid correction with a sulphated polymannuronide." By P. Constantinides, C. Johnson, B. M. Fahrni, R. Nakashima and H. W. McIntosh. *British medical journal* 5172:535-40 February 20 1960.

"Inhibition of progress of preestablished atherosclerosis by diethylstilbestrol in the rabbit." P. Constantinides and N. Gutmann-Auersperg. *A.M.A. archives of pathology* 70:35-42 July 1960.

ERIKSON, LLOYD B. "Diurnal temperature variation in the rhesus monkey under normal and experimental conditions." *Nature* 186:83-4 April 2 1960.

"Menstrual irregularities in rhesus monkeys elicited by reserpine administered on selected days of the cycle." Lloyd B. Erikson, S. R. M. Reynolds and Vincent J. De Feo. *Endocrinology* 66:824-31 June 1960.

"Reserpine and the chronic stress of reduced barometric pressure in female rats. Observations on body weight, adrenal weight and histology and hematocrit values." Robert Epstein, Lloyd B. Erikson and S. R. M. Reynolds. *Endocrinology* 66:167-74 February 1960.

FRIEDMAN, SYDNEY M. and CONSTANCE L. "Gradiente del sodio e hipertension renopriva." Por Sidney M. Friedman y Constance L. Friedman. In *Peptidos activos*, ed. by Dr. Hector Croxatto. Santiago, Universidad de Chile, 1960. p. 155-63.

Simposio organizado por la Sociedad de biologia de Santiago.

FRIEDMAN, SYDNEY M. and CONSTANCE L., and NAKASHIMA, MIYOSHI. "The effect of lecithin and lecithinase on DCA hypertension in the rat." *Archives internationales de pharmacodynamie et de therapie* 123:216-26 December 1 1959.

"Effect of pitressin on old-age changes of salt and water metabolism in the rat." *American journal of physiology* 199:35-8 July 1960.

"Relation of saluretic and hypotensive effects of hydrochlorothiazide in the rat." *American journal of physiology* 198:148-52 January 1960.

"Sodium gradient and renoprival hypertension in the rat." *Circulation research* 7:917-25 November 1959.

"Sodium ion and smooth muscle contraction." Sydney M. Friedman, James D. Jamieson, Mihoshi Nakashima, and Constance L. Friedman. American heart association. Council for high blood pressure research. *Proceedings: Hypertension* 8:57-74 April 1960.

"Sodium- and potassium-sensitive glass electrodes for biological use." Sydney M. Friedman, James D. Jamieson, Miyoshi Nakashima, and Constance L. Friedman. *Science* 130:1252-4 November 6 1959.

SCHERRER, HARALD F. "Electrical activity in the renal nerve of the rat: interaction between hypothalamic and afferent influences." Canadian federation of biological societies. *Proceedings* 3:95 1960. Abstract.

"Hypothalamic stimulation and blood pressure homeostasis." *Acta neurovegetativa* 20(2):205-18 June 1959.

"Posterior hypothalamic influence on water balance in the rat." *Experimental neurology* 2:97-108 April 1960.

"The relation between electrical activity in the renal nerve and blood pressure changes with hypothalamic stimulation in the rat." *Anatomical record* 136:273 February 1960. Abstract.

SRETER, FRANK A. "Role of cationic shifts in muscular contraction." *Anatomical record* 136:284 February 1960. Abstract.

SRETER, FRANK A. and FRIEDMAN, S. M. "Effect of pitressin on intracellular sodium and potassium in indirectly stimulated rat gastrocnemius muscle." F. A. Sreter and S. M. Friedman. Canadian federation of biological societies. *Proceedings* 3:19 1960. Abstract.

DIVISION OF ANIMAL SCIENCE

BERRY, J. C. "Continuing agricultural education. 1. Advisory committees & their work. 2. Current research on sire appraisal." Continuing agricultural education seminar. *Proceedings* 1:49-53 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

CAMPBELL, J. J. R. "Dependence of oxidation-reduction potential of milk on its vitamin C content." J. J. R. Campbell, R. H. Phelps and Lynette B. Keur. *Journal of milk and food technology* 22:346-7 November 1959.

"Endogenous respiration of *Pseudomonas aeruginosa*." R. A. J. Warren, Audrey F. Ells, and J. J. R. Campbell. *Journal of bacteriology* 79:875-9 June 1960.

"Role of leucocytes in the reduction of resazurin in raw milk." J. J. R. Campbell and R. A. Phelps. *Journal of dairy science* 43:187-92 February 1960.

KITTS, WARREN D. "Estrogenic activity of forage crops." *Feedstuffs* 32:18+ January 1960.

"Feed additives." Continuing agricultural education seminar. *Proceedings* 1:54-7 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

"Note on the effect of gibberellin on red clover." V. C. Brink, W. D. Kitts, and R. W. Hogg. *Canadian journal of plant science* 40:586 July 1960.

KITTS, WARREN D. and WOOD, A. J. "The estrogen-like substances in certain legumes and grasses. II. The effect of stage of maturity and frequency of cutting on the estrogenic activity of some forages." W. D. Kitts, E. Swierstra, V. C. Brink and A. J. Wood. *Canadian journal of animal science* 39:158-63 December 1959.

WOOD, A. J. "Performance testing; facts or fantasy." *Beef performance register; official publication of Performance registry international* 5:6-7 August 1960.

WOOD, A. J. and KITTS, WARREN D. "The interpretation of the protein level in the ruminal contents of deer." A. J. Wood, W. D. Kitts and I. McT. Cowan. *California fish and game* 46:227-9 April 1960.

DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

BLISHEN, BERNARD R. *Social research in the field of health; a survey undertaken for the Community chest & Councils of the Greater Vancouver metropolitan area.* Vancouver, University of British Columbia, Department of anthropology & sociology, 1960. 298 p.

BORDEN, CHARLES E. "DjRi 3. An early site in the Fraser Canyon, British Columbia." In *Contributions to anthropology* 1957. Ottawa, Department of northern affairs and national resources, 1960. (National museum of Canada, Bulletin no. 162, Anthropological series no. 45) p. 101-18.

"Notes and news; Northwest." *American antiquity* 25:303 October 1959.

"Notes and news; Northwest." *American antiquity* 25:442 January 1960.

"Notes and news; Northwest." *American antiquity* 25:627-8 April 1960.

COHN, WERNER "Jewish political attitudes — their background." *Judaism: a quarterly journal of Jewish life and thought* 8:1-11 Fall 1959.

"On the language of lower-class children." *School review* 67:435-40 Winter 1959.

"Social status and the ambivalence hypothesis: some critical notes and a suggestion." *American sociological review* 25:508-13 August 1960.

HAWTHORN, HARRY B. "Darwin and social evolution." In *Evolution: its science and doctrine*; symposium presented to the Royal society of Canada in 1959. Edited by Thomas W. M. Cameron. Toronto, University of Toronto press, 1960. (Its "Studia varia" series no. 4) p. 182-8.

SUTTLES, WAYNE "Affinal ties, subsistence, and prestige among the Coast Salish." *American anthropologist* 62:296-305 April 1960.

Marius Barbeau. *Medicine-men on the North Pacific Coast.* National museum of Canada, Bulletin 152, Ottawa, 1958. 95 p. *British Columbia library quarterly* 23:39-40 October 1959. Review.

TOPPING, c. w. *Crime & you.* Toronto, Ryerson press, 1960. vii, 82 p.

SCHOOL OF ARCHITECTURE

HODGE, GERALD J. F. and ROBINSON, IRA M. *Jobs, people and transportation; their role in metropolitan physical development.* Vancouver, February 1960. xvi, 134 p. Mimeographed.

A report to the Metropolitan joint committee.

LASSERRE, FREDERIC Contribution to "Viewpoint; 'No Canadian architect has yet obtained international fame, such as have Le Corbusier, Frank Lloyd Wright, Neutra, Gropius, and others. What is the reason?'" Royal architectural institute of Canada. *Journal* 37:110 March 1960.

"A major change of program; UBC school of architecture." Royal architectural institute of Canada. *Journal* 37:107-8 March 1960.

"Regional influences on student design." Royal architectural institute of Canada. *Journal* 37:91-102 March 1960.

LYMAN, VLAD F. *Working drawings.* Vancouver, UBC School of architecture, September 1959. 41 p.

OBERLANDER, H. PETER "The 'patron saint' of town planning in British Columbia." *Plan Canada* 1(1):47-52 1959.

A report on the establishment, organization and administration of an institute for community planning in Ghana. New York, United Nations Commissioner for technical assistance, Department of economic and social affairs, February 2 1960. 22 p. (TAO/GHA/6).

ROGATNICK, ABRAHAM "The Queen Elizabeth theatre, Vancouver; criticism." *Canadian architect* 5:63-6 January 1960.

ASIAN STUDIES

HO, PING-TI "The examination system and social mobility in China, 1368-1911." *American ethnological society. Proceedings* 1959:60-5.

Title of proceedings: *Intermediate societies, social mobility, and communication.*

LANGDON, FRANK C. *The Chinese family in the Communist revolution:* C. K. Yang; S. J. Reginald Saunders. *Canadian forum* 40:47 May 1960. Review.

"Tibet and autonomy." *Canadian forum* 39:126-7 September 1959.

WANG, YI-T'UNG "The Lamentation of Ts'ai Yen (ca A.D. 200)." *Delta* 10:11-8 January-March 1960.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

COCKCROFT, w. h. "Observations on the bacteriology and epidemiology of nursery infection. I. Staphylococcal skin infections." A. F. Hardyment, R. A. Wilson, W. Cockcroft and Betty Johnson. *Pediatrics supplement* 25:907-27 May 1960.

DOLMAN, c. e. "Fish eggs as a cause of human botulism; two outbreaks in British Columbia due to types E and B botulinus toxins." C. E. Dolman, Maria Tomsich, C. C. R. Campbell and W. B. Laing. *Journal of infectious diseases* 106:5-19 January-February 1960.

STOCK, J. J. "Observations on yeast glycerophosphatases." M. G. Dun-

can and J. J. Stock. Canadian society of microbiologists. *Program and abstracts* 10: no. 49 1960. Abstract.

"Some characteristics of alpha- and beta-amylase and the assay of their antienzymes." By H. D. Sanders and J. J. Stock. *Canadian pharmaceutical journal* 93: 69-73 April 1960.

DEPARTMENT OF BIOCHEMISTRY

BEER, CHARLES T. "Biological properties of Vincalukoblastine, an alkaloid in *Vinca rosea* Linn, with reference to its antitumor action." J. H. Cutts, C. T. Beer, and R. L. Noble. *Cancer research* 20: 1023-31 August 1960.

"The inactivation of pregnant mares' serum gonadotrophin by hydroquinones and quinones." R. C. B. Graham, C. T. Beer and R. L. Noble. *Endocrinology* 66: 647-57 May 1960.

JELLINCK, P. HARRY "The enzymic oxidation of [16-¹⁴C] oestrone *in vitro*." *Biochimica et biophysica acta* 41: 37-45 June 17 1960.

"Enzymic oxidation of stilboestrol labelled with Carbon-14." *Nature* 186: 157-8 April 9 1960.

NIXON, JOHN C. and ZBARSKY, SIDNEY H. "The incorporation of formate-C¹⁴ into the nucleic acids of rats with regenerating liver and Novikoff hepatoma." *Canadian journal of biochemistry and physiology* 37: 1405-16 December 1959.

TENER, GORDON M. "Studies on the chemical synthesis and enzymatic degradation of desoxyribo-oligonucleotides." G. M. Tener and others. New York academy of sciences. *Annals* 81: 757-75 September 1959.

DEPARTMENT OF BIOLOGY AND BOTANY

BIER, JOHN E. "Moisture relations in disease development." International botanical congress, 9th, Montreal, 1959. *Proceedings* 2: 32 1959.

"The relation of bark moisture to the development of canker diseases caused by native, facultative parasites. 2. Fusarium canker on black cottonwood." *Canadian journal of botany* 37: 781-8 September 1959.

"The relation of bark moisture to the development of canker diseases caused by native, facultative parasites. III. Cephalosporium canker on western hemlock." *Canadian journal of botany* 37: 1140-2 September 1959.

The relation of bark moisture to the vitality and to the susceptibility or resistance of willow and poplar to canker diseases caused by facultative parasites. Rome, Food and agriculture organization of the United Nations, September 1959. 6 p. figure. (FAO/CIP/MAL/7 Annex 1).

COLE, KATHLEEN "Inheritance of male sterility in green sprouting brocoli." *Canadian journal of genetics and cytology* 1: 203-7 December 1959.

HUTCHINSON, A. H. *A genetic evaluation of tree growth through an analysis of the progenies of individual trees, filotypes and regional populations.* Vancouver, June 28 1960. 8 p.

Report to the Committee on forest tree breeding in Canada under a grant from the National research council of Canada and the auspices of the University of British Columbia.

KRAJINA, VLADIMIR J. "Can we find a common platform for the different schools of forest type classification?" *Silva Fennica* 105: 50-5 1960.

This issue devoted to Symposium on forest types and forest ecosystems during the 9th International botanical congress, Montreal, August 24th 1959.

Ecological classification of pine forests in the interior region of British Columbia. Vancouver, Author, September 20 1959.

1959 Progress report (No. 3) E.M.R. grant no. 98.

Ecological classification of pine forests in the interior region of British Columbia. Vancouver, B.C., Author, April 1 1960.

1960 Progress report (No. 4) E.M.R. grant no. 98.

Ecology of the forests of the Pacific Northwest. Vancouver, B.C., Author, January 20 1960.

1959 Progress report on N.R.C. grant no. T-92.

"Ecosystem classification of forests." *Silva Fennica* 105: 107-10, 123-38 1960.

Finnish text p. 139-42.

This issue devoted to Symposium on forest types and forest ecosystems during the 9th International botanical congress, Montreal, August 24th 1959.

The ecosystem concept in forestry. J. S. Rowe, P. G. Haddock, G. A. Hills, V. J. Krajina, A. Linteau. Fifth world forestry congress, Seattle, Washington, August 29-September 10 1960. SP/17/1 — Canada. 5 p. Mimeographed.

Influence of slash burning on the growth of Douglas-fir, western hemlock, and western redcedar. Vancouver, B.C., Author, March 14 1960.

First Progress report on NRC special research grant.

The role of corticolous, lignicolous and epilithic bryophyte and lichen communities in an ecosystem classification of the forest. Vancouver, B.C., Author, August 10 1960. 3 p.

Presented at the Symposium on the ecology of bryophytes and lichens. A.I.B.S. annual meeting at Stillwater, Oklahoma, August 29, 1960.

KUIJT, JOB "The distribution of dwarf mistletoes, *Arceuthobium*, in California." *Madrono* 15: 129-39 January 1960.

"Morphological aspects of parasitism in the dwarf mistletoes (*Arceuthobium*)." *University of California publications in botany* 30(5): 337-436 1960.

"A study of heterophylly and inflorescence structure in *Dendrophthora* and

Phoradendron (Loranthaceae)." *Acta botanica Neerlandica* 8(5):506-46 1959.

WORT, D. J. "Terminal oxidases of the mature sugar beet root." D. J. Wort and D. M. Shrimpton. American society of sugar beet technologists. *Journal* 10:594-602 October 1959.

DEPARTMENT OF CHEMICAL ENGINEERING

CAVERS, S. D. "Solvent extraction of Saskatchewan lignites. II. Note on the properties of the extract." S. D. Cavers, R. L. Eager and J. H. Hudson. *Canadian journal of chemical engineering* 38:88 June 1960.

SCOTT, D. S. "Flowmeters for the measurement of gas temperatures." *Chemical engineering science* 12:127-32 May 1960.

"Removal of a mist in a fluidized bed." D. S. Scott and D. A. Guthrie. *Canadian journal of chemical engineering* 37:200-3 October 1959.

SHEMILT, L. W. "Equations for determining diffusion coefficients in liquid systems by the diaphragm-cell technique." F. A. L. Dullien and L. W. Shemilt. *Nature* 187:767-8 August 27 1960.

DEPARTMENT OF CHEMISTRY

BARTLETT, N. "Two new fluorides of platinum." By N. Bartlett and D. H. Lohmann. Chemical society. *Proceedings* p. 14-5 January 1960.

BONNETT, R. A. "The total synthesis of chlorophyll." R. B. Woodward, R. Bonnett and others. American chemical society. *Journal* 82:3800-2 July 20 1960.

BRYCE, W. A. and RUZICKA, D. J. "Reactions of allyl radicals with olefins." *Canadian journal of chemistry* 38:835-44 June 1960.

BUTLER, JAMES N. "Reactions of methylene. IV. Propylene and cyclopropane." By James N. Butler and G. B. Kistiakowsky. American chemical society. *Journal* 82:759-65 February 20 1960.

CHAMBERS, R. D., CLARK, HOWARD C. and WILLIS, C. J. "The reaction of hexamethyl-ditin with trifluoro-iodomethane." *Chemistry and industry* 3:76-7 January 16 1960.

"The trifluoromethylfluoroborate anion." Chemical society. *Proceedings* p. 114 March 1960.

CICCONI, STEFANIA and HALPERN, JACK "Catalysis of the *cis-trans* isomerization of azobenzene by acids and cupric salts." *Canadian journal of chemistry* 37:1903-10 November 1959.

CLARK, HOWARD C. "Chemistry of the trifluoromethyl group. Part I. Complex formation by phosphines containing the trifluoromethyl group." M. A. A. Beg and H. C. Clark. *Canadian journal of chemistry* 38:119-24 January 1960.

CLARK, HOWARD C. and WILLIS, C. J. "Perfluoroalkyl compounds of germanium." Chemical society. *Proceedings* p. 282 August 1960.

"Perfluoroalkyl derivatives of tin. I. Trimethyltrifluoromethyltin." American chemical society. *Journal* 82:1888-91 April 20 1960.

CULLEN, W. R. "Decarboxylation of dimethyltrifluoroacetoxarsine." W. R. Cullen and L. G. Walker. *Canadian journal of chemistry* 38:472-5 March 1960.

"Perfluoroalkyl arsenicals. Part I. The preparation of alkyl perfluoroalkyl arsenicals." *Canadian journal of chemistry* 38:439-44 March 1960.

"Perfluoroalkyl arsenicals. Part II. The preparation and properties of aryl perfluoroalkyl arsenicals." *Canadian journal of chemistry* 38:445-51 March 1960.

CULLEN, W. R. and HOCHSTRASSER, ROBIN M. "The electronic spectra of the arylarsines. Part I. The nature of the transitions in the phenylarsines and the relative influence of $-CH_3$ and $-CF_3$ groups." *Journal of molecular spectroscopy* 5:118-32 August 1960.

DUNELL, B. A. "Proton magnetic resonance absorption in the C-form of stearic acid." R. F. Grant and B. A. Dunell. *Canadian journal of chemistry* 38:359-64 March 1960.

"Viscoelastic behavior of nylon 6-6 monofilaments below room temperature." B. A. Dunell, Ann A. Joanes, R. T. B. Rye. *Journal of colloid science* 15:193-204 June 1960.

DUTTON, G. G. S. "The constitution of the hemicelluloses of sitka spruce (*Picea sitchensis*). III. Structure of an arabomethoxyglucuronoxylan." By G. G. S. Dutton and K. Hunt. American chemical society. *Journal* 82:1682-4 April 5 1960.

DUTTON, G. G. S. and TANAKA, Y. "The synthesis of 5-O-methyl-L-arabinose." G. G. S. Dutton, Y. Tanaka, and K. Yates. *Canadian journal of chemistry* 37:1955-8 December 1959.

FROST, DAVID C. "A demonstration atomic model." *Journal of education* 4:90-4 March 1960.
Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

FROST, DAVID C. and McDOWELL, C. A. "The ionization and dissociation

- of some halogen molecules by electron impact." *Canadian journal of chemistry* 38:407-20 March 1960.
- "Recent electron impact studies on simple molecules (O_2 , Cl_2 , I_2)." In *Advances in mass spectrometry*, ed. by J. D. Waldron. London, Pergamon press, 1959. p. 413-30.
- Proceedings of a Joint conference organized by the Hydrocarbon research group, Institute of petroleum, and A.S.T.M. Committee E.14 and held in the University of London, 24th-26th September 1958.*
- GRAY, PETER and REEVES, LEONARD W. "Potential energy barrier to rotation in methyl nitrite measured by PMR." *Journal of chemical physics* 32:1878-80 June 1960.
- HALPERN, JACK "The catalytic activation of hydrogen in homogeneous, heterogeneous, and biological systems." *Advances in catalysis* 11:301-70 1959.
- "Electron-transfer reactions; introductory paper." By J. Halpern and L. E. Orgel. Faraday society. *Discussions* 29:7-20 April 1960.
- "Mechanism of the oxidation and reduction of metal ions by hydrogen atoms." J. Halpern, G. Czapski, J. Jortner and G. Stein. *Nature* 186: 629-30 May 21 1960.
- "Medium effects in the homogeneous catalytic activation of molecular hydrogen by metal salts. I. Cupric and cuprous heptanoates in heptanoic acid." By A. J. Chalk and J. Halpern. American chemical society. *Journal* 81:5846-52 November 20 1959.
- "Medium effects in the homogeneous catalytic activation of molecular hydrogen by metal salts. II. Anion and solvent effects for cupric and cuprous salts." By A. J. Chalk and J. Halpern. American chemical society. *Journal* 81:5852-4 November 20 1959.
- "Oxidation of formic acid and formate ion in aqueous solution by some inorganic oxidants." By J. Halpern and Sandra M. Taylor. Faraday society. *Discussions* 29:174-81 April 1960.
- "The theory of electron transfer between metal ions in bridged systems." By J. Halpern and L. E. Orgel. Faraday society. *Discussions* 29:32-41 April 1960.
- HALPERN, JACK and HARKNESS, ALAN C. "Medium effects in the homogeneous catalytic activation of molecular hydrogen by metal salts. III. Silver and mercuric salts." By A. J. Chalk, J. Halpern and A. C. Harkness. American chemical society. *Journal* 81:5854-7 November 20 1959.
- "Spectra of some transition metal ions and complexes in D_2O ." *Journal of chemical physics* 31:1147-9 October 1959.
- HALPERN, JACK and HARROD, J. F. "Catalytic activation of hydrogen in aqueous solution by the chloropalladate(II) ion." J. Halpern, J. F. Harrod, and P. E. Potter. *Canadian journal of chemistry* 37:1446-50 September 1959.
- HARRISON, L. G. "Exchange reactions involving surface regions in sodium chloride crystals." By L. G. Harrison, I. M. Hoodless and J. A. Morrison. Faraday society. *Discussions* 28:103-12 1959.
- HARROD, J. F. and HALPERN, JACK "Catalytic activation of molecular hydrogen in solution by chlororhodate(III) complexes." *Canadian journal of chemistry* 37:1933-5 November 1959.
- HAYWARD, L. D. "The action of pyridine on the dinitrate esters of 1,4;3,6-dianhydrohexitols." M. Jackson and L. D. Hayward. *Canadian journal of chemistry* 38:496-502 April 1960.
- "The pentitol pentanitrate." I. G. Wright and L. D. Hayward. *Canadian journal of chemistry* 38:316-9 February 1960.
- "6-O-ethyl-D-galactose." G. G. McKeown and L. D. Hayward. *Canadian journal of chemistry* 38:174-5 January 1960.
- HOCHSTRASSER, ROBIN M. "The luminescence of complex molecules in relation to the internal conversion of excitation energy. Part I." *Canadian journal of chemistry* 37:1367-72 August 1959.
- "The luminescence of complex molecules in relation to the internal conversion of excitation energy. Part II. N-heteroaromatics." *Canadian journal of chemistry* 38:233-9 February 1960.
- "On the problem of radiative combinations between upper singlet states and the ground state in aromatic molecules." *Spectrochimica acta* 16:497-504 May 1960.
- "Polarization of the first two electronic transitions of pyrene." *Journal of chemical physics* 33:459-63 August 1960.
- HOCHSTRASSER, ROBIN M. and PORTER, GERALD B. "Primary processes in photo-oxidation." *Quarterly reviews* 14(2):146-73 1960.
- JAMES, D. G. L. "The polymerization of acrylonitrile in aqueous solution. Part II. The reaction photosensitized by Fe^{3+} , $Fe^{3+}OH^-$, Fe^{2+} , and I^- ions." F. S. Dainton and D. G. L. James. *Journal of polymer science* 39:299-312 September 1959.
- KIRK, ALEXANDER D. "The role of hydroperoxides in the oxidation of ethane and propane at 320°C." By A. D. Kirk and J. H. Knox. Chemical society. *Proceedings* p. 384 December 1959.
- MCDOWELL, C. A. "The infrared absorption spectra of urea-hydrocarbon adducts." P. H. H. Fischer and C. A. McDowell. *Canadian journal of chemistry* 38:187-93 February 1960.
- "The ionisation potential of the methylene radical." By E. W. C. Clarke and C. A. McDowell. Chemical society. *Proceedings* p. 69 February 1960.

"A proposal for the nomenclature of free radicals." By F. P. Lossing and C. A. McDowell. *Nature* 185:161 January 16 1960.

McDOWELL, C. A. and ROWLANDS, J. R. "The electron spin resonance spectra of the positive and negative ions of diphenylene." *Canadian journal of chemistry* 38:503-7 April 1960.

McGREER, DONALD E. "Pyrazolines." *Journal of organic chemistry* 25: 852-3 May 1960.

"The synthesis and some reactions of diazocyclobutane." By Douglas E. Applequist and Donald E. McGreer. American chemical society. *Journal* 82:1965-72 April 20 1960.

MATSUNAGA, YOSHIO "Electron spin resonance absorption of boron-ultramarine." *Canadian journal of chemistry* 38:309-11 February 1960.

"The electron spin resonance absorption spectra of semiquinone ions. Part III. Free radical salts of quinhydrones." *Canadian journal of chemistry* 38:1172-6 July 1960.

"Magnetic properties of mesonaphthodanthrene." *Canadian journal of chemistry* 38:323-8 March 1960.

MATSUNAGA, YOSHIO and McDOWELL, C. A. "Electron spin resonance absorption of the biradical molecular complex, *p*-phenylenediamine-chloranil." *Nature* 185:916-7 March 26 1960.

"Electron spin resonance absorption of diphenylpicrylhydrazyl-zinc oxide mixtures." *Canadian journal of chemistry* 38:724-7 May 1960.

"The electron spin resonance absorption spectra of semiquinone ions. Part I. The hyperfine splitting due to alkoxy groups." *Canadian journal of chemistry* 38:1158-66 July 1960.

"The electron spin resonance absorption spectra of semiquinone ions. Part II. The hyperfine splitting due to amino groups." *Canadian journal of chemistry* 38:1167-71 July 1960.

"Hyperfine structure in the electron spin resonance absorption spectrum of the phenazine semiquinone ion." Chemical society. *Proceedings* p. 175 May 1960.

MOODIE, R. B., CONNOR, T. M., and STEWART, ROSS "An N.M.R. study of electron release by alkyl and alkoxyl groups in various solvents." *Canadian journal of chemistry* 38:626-9 April 1960.

"The nuclear magnetic resonance spectra of triaryl carbonium ions." *Canadian journal of chemistry* 37:1402-8 September 1959.

OGRYZLO, E. A. "Electrically discharged CO₂ as a source of oxygen atoms." E. A. Ogryzlo and H. I. Schiff. *Journal of chemical physics* 32: 628-9 February 1960.

"The reaction of oxygen atoms with NO." E. A. Ogryzlo and H. I. Schiff. *Canadian journal of chemistry* 37:1690-5 October 1959.

"The study of electrically discharged O₂ by means of an isothermal calorimetric detector." L. Elias, E. A. Ogryzlo, and H. I. Schiff. *Canadian journal of chemistry* 37:1680-9 October 1959.

PINCOCK, RICHARD E. "Controlled formation of *cis*- and *trans*-decalin-9-carboxylic acids by carbonylation." Richard E. Pincock, Ernst Grigat, and Paul D. Bartlett. American chemical society. *Journal* 81:6332 December 5 1959.

"Peresters. V. Di-*t*-butylperoxyoxalate." By Paul D. Bartlett, Erhard P. Benzing and Richard E. Pincock. American chemical society. *Journal* 82:1762-8 April 5 1960.

"Peresters. VI. Ethyl, benzyl, *p*-nitrobenzyl and *p*-methoxybenzyl *t*-butylperoxyoxalates." By Paul D. Bartlett and Richard E. Pincock. American chemical society. *Journal* 82:1769-73 April 5 1960.

PORTER, GERALD B. "Kinetics of excited molecules. II. Dissociation processes." Gerald B. Porter and B. T. Connelly. *Journal of chemical physics* 33:81-5 July 1960.

"Photooxidation of biacetyl." *Journal of chemical physics* 32:1587-8 May 1960.

REEVES, LEONARD W. "Nuclear shielding parameters for protons in strong hydrogen bonds. I. Orthohydroxy azo compounds." *Canadian journal of chemistry* 38:748-51 May 1960.

"Studies of hydrogen bonding in carboxylic acids." Faraday society. *Transactions* 55:1684-8 October 1959.

"A study of the dimer of ethylene platinous chloride by proton magnetic resonance." *Canadian journal of chemistry* 38:736-41 May 1960.

REEVES, LEONARD W. and STROMME, K. O. "Nuclear shielding parameters for protons in hydrogen bonds. II. Correlation of chemical shifts in intramolecular hydrogen bonds with infrared stretching frequencies." L. W. Reeves, E. A. Allan, and K. O. Stromme. *Canadian journal of chemistry* 38:1249-54 August 1960.

"Studies of rates of conversion and populations of various conformations of saturated ring compounds by N.M.R. 1. Chlorocyclohexane and bromocyclohexane." *Canadian journal of chemistry* 38:1241-8 August 1960.

REID, C. "Quantum phenomena in biology." *Science* 131:1078-84 April 15 1960.

ROSENTHAL, ALEX "Reaction of *syn*-benzaldoxime with carbon monoxide and hydrogen to yield substituted ureas." A. Rosenthal and J. P. O'Donnell. *Canadian journal of chemistry* 38:457-9 March 1960.

"Some factors affecting performance in Chemistry 101." *Journal of education* 4:95-7 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

"Synthesis of potential antimetabolites." Alex Rosenthal and John Black. National research council of Canada, Division of medical research, Western regional group. *Proceedings* 14:33 1960. Abstract.

Sponsored by National research council and National cancer institute.

RUZICKA, D. J. and BRYCE, W. A. "The pyrolysis of diallyl (1,5-hexadiene)." *Canadian journal of chemistry* 38:827-34 June 1960.

SNIDER, ROBERT F. "Quantum-mechanical modified Boltzmann equation for degenerate internal states." *Journal of chemical physics* 32:1051-60 April 1960.

STEWART, ROSS "The acidity functions H_0 and $J_0(H_R)$ for the system formic acid — water." Ross Stewart and Trevor Mathews. *Canadian journal of chemistry* 38:602-11 April 1960.

"The acidity of some aromatic fluoro alcohols and ketones." Ross Stewart and R. Van der Linden. *Canadian journal of chemistry* 38:399-406 March 1960.

"Atom transfer mechanisms in oxidation processes." *Experientia* 15:401-6 October 1959.

"The deuterium isotope effect in the permanganate oxidation of aromatic trifluoromethyl alcohols." R. Stewart and R. Van der Linden. *Tetrahedron letters* 2:28-30 February 1960.

"The position of protonation of the carboxyl group." By Ross Stewart and K. Yates. American chemical society. *Journal* 82:4059-61 August 5 1960.

WILLIS, C. J. "Fluoroalkyl nitroso-compounds." By J. M. Birchall, A. J. Bloom, R. N. Haszeldine, and C. J. Willis. Chemical society. *Proceedings* p. 367 November 1959.

DEPARTMENT OF CIVIL ENGINEERING

de JONG, S. H. "The present status of surveying education in Canada." *Canadian surveyor* 15:54-60 January 1960.

HRENNIKOFF, A. "Lessons of collapse of Vancouver 2nd Narrows Bridge." American society of civil engineers. Structural division. *Journal* 85(ST10):1-20 December 1959.

Proceedings of the American society of civil engineers.

"The plastic method of designing steel structures." Discussion by A. Hrennikoff. American society of civil engineers. Structural division. *Journal* 85(ST7):179-84 September 1959.

Proceedings of the American society of civil engineers.

MUIR, J. F. "Passage of young fish through turbines." Closure of article in February 1959. American society of civil engineers. Power division. *Journal* 86(PO1):95-8 February 1960.

Proceedings of the American society of civil engineers.

PRETIOUS, EDWARD S. *Final report on plans for reduction of shoaling and for improvement of the Fraser River at New Westminster, B.C.* E. S. Pretious and E. Vollmer. Canada, Department of public works, October 23 1959. 24 p. plate, figures. (FRM-232).

Historical review of river training and its effects in the New Westminster area, Fraser River, B.C. E. S. Pretious and E. Vollmer. Canada, Department of public works, March 31 1960. 38 p. plates, tables, figures. (FRM 233).

An investigation of probable flood conditions, and consequent scour around two alternative types of bridge pier for the new highway bridge, Columbia River at Trail, B.C. Vancouver, University of British Columbia, Department of civil engineering, March 25 1960. 22 p. plates, figures.

Prepared for B.C. Department of highways.

Preliminary model studies to reduce dredging and improve navigation conditions from Steveston to the mouth of the Fraser River, B.C. E. S. Pretious and E. Vollmer. Canada, Department of public works, May 31 1960. 22 p. plates, figures. (FRM-228 Part B).

Principles of river training as an aid to navigation, with occasional reference to the Fraser River, B.C.; basic laws of river behaviour. Vancouver, University of British Columbia, Department of civil engineering, July 22 1960. 26 p. plates, figures. (Technical report no. 5).

Report; new C.N.R. ferry slip on Tilbury Island, Fraser River, B.C. Second part—Recommendations concerning hydraulic problems associated with the construction of the ferry slip. Vancouver, University of British Columbia, Department of civil engineering, June 1 1960. 14 p. plates, figures.

Prepared for the British Columbia district engineer, Canadian national railways.

DEPARTMENT OF CLASSICS

ELIOT, C. W. J. and MCGREGOR, MALCOLM F. "Kleisthenes: eponymous archon 525/4 B.C." *Phoenix* 14:27-35 Spring 1960.

GRANT, W. LEONARD "An anonymous neo-Latin eclogue." *Renaissance news* 13:9-11 Spring 1960.

"An eclogue of Francesco Filelfo?" *Manuscripta* 3:171-2 October 1959.

"Neo-Latin materials at Saint Louis." *Manuscripta* 4:3-18 February 1960.

MCGREGOR, MALCOLM F. *The study of Greek inscriptions*, by A. G. Woodhead. New York: Cambridge university press, 1959. p.xi, 139. *Classical journal* 55:285-6 March 1960. Review.

MCLEOD, WALLACE E. *Homer and his critics*. By Sir John L. Myres, edited by Dorothea Gray. London: Routledge and Kegan Paul; Toronto: British book service (Canada) ltd. 1958. p.xii, 302, 8 plates. *Phoenix* 14:106-7 Summer 1960. Review.

"An unpublished Egyptian composite bow in the Brooklyn museum." Society of archer-antiquaries. *Journal* 3:13-7 1960.

RIDDEHOUGH, GEOFFREY B. "Man-into-beast changes in Ovid." *Phoenix* 13:201-9 Winter 1959.

FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

AIRD, DAVID C. and WILKINSON, HUGH C. *Fundamentals of quality control*. Vancouver, University of British Columbia, 1959. 35 p.

BEEDLE, ARTHUR *Township of Cheston (A)*. Boston, Intercollegiate case clearing house, 1960. 38 p.

HALL, NOEL A. "Human relations research & personnel people." *Personnel panorama* 12:9-12 November-December 1959.

HUGHES, WILLIAM *Submission of the Province of British Columbia to the Royal commission on transportation*. Part 1. W. Hughes, J. I. Guest and C. W. Brazier. Victoria, B.C. [Queen's printer] February 1960. 72 p. *Submission of the Province of British Columbia to the Royal commission on transportation*. Part 2. W. Hughes, J. I. Guest and C. W. Brazier. Ottawa [Queen's printer] May 1960. 39 p.

LOFFMARK, RALPH R. *Estate taxes*. Toronto, The Carswell company limited, 1960. lxxvi, 836 p.

"Trends in Canadian statute law." *Journal of business law* p. 198-201 April 1960.

LUSZTIG, PETER A. "Canadian corporation directors — a profile." *Business quarterly* 25:89-91 Summer 1960.

"Stock splits in Canada." *Business quarterly* 25:59 Spring 1960.

PERKETT, WILLIAM O. "British Columbia." *University of Washington business review* 19:24-7 December 1959.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

ANDERSON, W. J. "Marketing, communications and transport." International conference of agricultural economists, Mysore, India, August 24-September 3, 1958. *Proceedings* 10:241-51 1960.

CLARK, ROBERT M. *Economic security for the aged in the United States and Canada; a report prepared for the Government of Canada*. Ottawa, Queen's printer, 1960. 2 v.

JAMIESON, STUART "Canada." *Indian journal of labour economics* 2:105-6 July-October 1959.

"Collective bargaining." *Provincial* 9:19-22 December 1959.

KIRBY, E. STUART "The foreign policy of Communist China." *International journal* 15:1-13 Winter 1959-60.

"Problems and progress in Taiwan." *Far eastern economic review* 27:1036-7+ December 31 1959.

LAPONCE, JEAN A. *The French political system*: Maurice Duverger; University of Toronto press; 227 p. *Canadian forum* 40:21 April 1960. Review.

The protection of minorities. Berkeley and Los Angeles, University of California press, 1960. 236 p. (University of California publications in political science v. 9).

MATUSZEWSKI, T. I. "A note on consumer prices." *Canadian journal of economics and political science* 26:478-81 August 1960.

"On some input-output computations." Royal statistical society. *Journal series A (general)* 123(2):195-9 1960.

"Table 3. Total output of each industry and total primary input resulting from the production of a dollar's worth of final output of an industry, Canada, 1949." In *Supplement to the inter-industry flow of goods and services Canada, 1949*. Ottawa, Dominion bureau of statistics, Research and development division, Research projects section, 1960.

Supplement to *Reference paper* no. 72.

SCOTT, ANTHONY "Canada's reproducible wealth." In *The measurement of national wealth*, ed. by Raymond Goldsmith and Christopher Saunders. London, Bowes & Bowes, 1959, (Income and wealth series VIII). p. 193-216.

"Taxation as a tool for accomplishing social objectives in forest management." In Conference on taxation and conservation of privately owned timber, University of Oregon, 1959. *Taxation and conservation of privately owned timber*. [Eugene, Oregon] University of Oregon, Bureau of business research [1959] p. 17-27.

SMILEY, DONALD V. "The alienation of the politician." *Canadian forum* 39:271-3 March 1960.

"Equipping the functional specialist for administrative responsibilities in the public service." *Canadian public administration* 3:171-8 June 1960.

"Local autonomy and central administrative control in Saskatchewan." *Canadian journal of economics and political science* 26:299-313 May 1960.

Public ownership and accountability: the Canadian experience: Lloyd D. Musolf; Saunders; 174 p. *Canadian forum* 40:20-1 April 1960. Review.

The Social Credit movement in Alberta. By John A. Irving. Toronto, University of Toronto press, 1959. 369 p. *Queen's quarterly* 67:128-9 Spring 1960. Review.

STANKIEWICZ, W. J. *For victory in peaceful competition with capitalism*. Nikita S. Khrushchov. Smithers & Bonellie. 784 p. *Canadian forum* 40:95 July 1960. Review.

Politics & religion in seventeenth-century France; a study of political ideas from the Monarchomachs to Bayle, as reflected in the toleration controversy. Berkeley and Los Angeles, University of California press, 1960. 269 p.

Canadian edition: University of Toronto press.
British edition: Cambridge university press.

WILL, ROBERT M. "Latin American economic integration." *Canadian forum* 40:58-9 June 1960.

"La política económica de Chile, 1810-64." *El trimestre económico* 27:238-57 April-June 1960.

COLLEGE OF EDUCATION

BOYLES, SADIE M. "Another look at French grammar teaching." *Canadian modern language review* 16:13-6 Fall 1959.

Previously published as "'La plume de ma tante' or 'Apportez-moi un bon bifeck saignant'; another look at French grammar teaching." *BC teacher* 38:286-9 March 1959.

Ecoutez! Student guide for seven programmes to supplement the High school French course. Victoria, Department of education, 1960. 24 p. (B.C. school broadcasts).

BROOME, E. B. *Language journeys*. Grade 3 rev. ed. T. Roy Hall and E. B. Broome. Illustrations by R. W. Major and W. Wheeler. Toronto, The Macmillan company of Canada limited, 1960. 243 p.

Language journeys. Grade 6 rev. ed. T. Roy Hall and E. B. Broome. Illustrations by R. J. Banks and W. Wheeler. Toronto, The Macmillan company of Canada limited, 1960. 320 p.

CLINGMAN, ALLEN E. "Music in the secondary school." *Journal of education* 4:74-8 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

"What — me teach music?" *BC teacher* 39:287-8 March 1960.

COVELL, HAROLD M. *SRA reading laboratory*. College prep edition by Don H. Parker, Harold M. Covell and others. Chicago, Science research associates, 1959.

Grades 8-14 inclusive, with 20 booklets for each grade. IVa Teacher's manual.

"A survey of reading practices and materials used in the schools of British Columbia." *British Columbia library quarterly* 23:23-9 April 1960.

DAVIS, D. EVAN [and others] *Music education in Oregon public schools*. [By Music handbook committee] Salem, Oregon, State department of education, 1960. 169 p.

KATZ, JOSEPH "The international conference on educational research; a report of the conference held at the University of Tokyo, August 31st to September 8th, 1959." *Canadian research digest; a publication of the Research division, Canadian education association* 6:81-7 Spring 1960.

KILGOUR, ALMA JEAN "Divisibility by odd numbers." *Arithmetic teacher* 7:150-1 March 1960.

LAWSON, DAVID "Two views of the child's education for freedom." *Educational forum* 24:345-50 March 1960.

PENNER, PHILIP "A few questions—and answers." *Journal of education* 4:120-7 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

RAJARATNAM, NAGESWARI "Perplexities in prediction from standardized test results." National association of women deans and counselors. *Journal* 23:56-60 January 1960.

RICHARDSON, J. A. "The contribution of educational research toward solving the problem of mental deficiency." *Slow learning child* 6:163-9 March 1960.

Diagnostic tests in money; manual prepared by Fred J. Schonell, J. A. Richardson, and K. P. O'Connor. Edinburgh, Oliver and Boyd ltd., 1960. 2 v.

SCARFE, N. V. *Conflicting ideas in teacher education*. Columbus, Ohio, Ohio state university, College of education, 1960. 40 p. (The Boyd H. Bode memorial lectures 1959).

"Geography across the curriculum." *School and society* 88:61-4 February 13 1960.

"Research on the teaching of geography; a review." *Canadian research digest; a publication of the Research division, Canadian education association* 7:97-111 Summer 1960.

SMITH, ROBIN N. and McINTOSH, J. R. *PSYCAN vocational interest profile (VIP)*. Vancouver, PSYCAN psychological services of Canada Ltd., 1960. 2 v.
v.2 *Users' guide*.

STEIN, HARRY L. "Recent views on mathematics of the secondary school." *Canadian research digest; a publication of the Research division, Canadian education association* 6:51-64 Spring 1960.

SUTHERLAND, NEIL *The document in the teaching of history*. Rev. ed. Vancouver, British Columbia teachers' federation, 1960. 20, vii p. (In-service education committee pamphlet #3).

"History brought to life; an exposition of the value of using primary sources in the teaching of history." *BC teacher* 39:144-5 December 1959.
Reprinted in *Panorama; teaching throughout the world* 2:6-7 Spring 1960.

DEPARTMENT OF ELECTRICAL ENGINEERING

BOHN, ERIK V. "Demodulator lead networks." Institute of radio engineers. Professional group on circuit theory. *Transactions* CT-7:56-61 March 1960.

"A pulse position modulation analog computer." Institute of radio engineers. Professional group on electronic computers. *Transactions* EC-9:256-61 June 1960.

BOWERS, F. K. "Deltamodulation for cheap and simple telemetering." Institute of radio engineers. Professional group on space electronics and telemetry. *Transactions* SET-5:205-8 December 1959.
Also in *IRE WESCON convention record*, 1959.

WALKER, G. B. "Determination of the dielectric properties of low-loss ceramics at Q-band frequencies." By J. M. Free and G. B. Walker. Institution of electrical engineers. *Proceedings* 107B:354-6 July 1960.

DEPARTMENT OF ENGLISH

BAKER, R. J. "Eric Nicol; the low calling of a new hero." *British Columbia library quarterly* 23:31-4 April 1960.
"A linguistic theory of criticism." *Canadian literature* 2:73-6 Autumn 1959. Review.

BIRNEY, EARLE "'After his ymage' the central ironies of the 'Friar's tale'." *Mediaeval studies* 21:17-35 1959.

"Bangkok boy." *Prism* 1:48-9 September 1959.

"Canada: case history." *Meanjin* 18(3):349 1959.

"Conference of heads." *Antioch review* 20:84 Spring 1960.

"E. J. Pratt and his critics." In *Our living tradition*, second and third series. Ed. by Robert L. McDougall. Toronto, University of Toronto press, 1959. p. 123-47.

"Five poor men speak up c.1931"; a translation from Atilla József (adapted from the Hungarian by Earle Birney). *Canadian forum* 39:130 September 1959.

"Flying fish." *Review of English literature* 1:18 April 1960.

"The Franklin's 'Sop in wyn'." *Notes and queries* n.s. 6:345-7 October 1959.

"Mammorial stanzas for Aimee Simple Macfarcon." *Prism* 1:34-5 Winter 1959.

"The modern face of hubris." In *Hubris, man and education*. Bellingham Wash., Union printing co. inc., October 1959. p. 46-60.

Papers delivered at the inauguration of James Louis Jarrett, President, Western Washington College of education, Bellingham, Washington.

"Random remarks on a random world." *HAC; the bulletin of the Humanities association of Canada* 29:10-11+ January 1960.

"Reverse on the Coast Range." *Colorado quarterly* 9:20 Summer 1960.

"St. Valentine is past." *Meanjin* 18(3):348 1959.

"The squire's yeoman." *Review of English literature* 1:9-18 July 1960.

"Time bomb." *Arizona quarterly* 16:52 Spring 1960.

"A walk in Kyoto." *London magazine* 7:41-2 March 1960.

Previously published in *Western humanities review* 13:244-5 Summer 1959.

"Wind-chimes in a ruin." *Canadian forum* 39:130 September 1959.

"World winter." *Saturday review* 43:22 June 11 1960.

BOOTH, MICHAEL R. "Pioneer entertainment; theatrical taste in the early Canadian West." *Canadian literature* 4:52-8 Spring 1960.

de BRUYN, JAN "Giants or poets?" *Canadian literature* 3:80-2 Winter 1960. Review.

ELLIOTT, GORDON R. "British Columbia." In *Collier's encyclopedia year book* 1960:93-4.

"Canadiana catalogued." *Canadian literature* 4:88 Spring 1960. Review.
Eric Collier, *Three against the wilderness*, New York, Dutton, 1959. 349 p. illus. *British Columbia library quarterly* 23:35-6 January 1960. Review.
The journal of Norman Lee, 1898; which is the account of a cattle-drive from the Chilcotin country to Teslin Lake by the Telegraph Trail. Pre-

pared for publication by Gordon R. Elliott. Vancouver, Robert and Felicity Reid, 1959. x, 58 p.

One hundred copies of this book have been printed and bound by Robert and Felicity Reid. The manuscript was obtained from the Lee family by Eileen Laurie of the Canadian broadcasting corporation, and her interest and assistance are much appreciated. The type face used for the text is Eldorado; the paper is hand-made Eynesford ancient laid; the book is bound in oyster and hand-marbled paper, and the presswork is by Ib Kristensen. This is copy number 6. A trade edition, *Klondike cattle drive*, was published by Mitchell press, Vancouver, with a foreword by Eileen Laurie, in 1960.

"The librarian and local history." *British Columbia library quarterly* 23: 3-7 January 1960.

"Vancouver." In *Americana annual* 1960:810.

FREDEMAN, W. E. "Earle Birney; poet." *British Columbia library quarterly* 23:8-15 January 1960.

"The road to freedom." *U.B.C. alumni chronicle* 13:14-6 Summer 1959.

FRIEDSON, ANTHONY M. "Let's pan a magazine." *Canadian literature* 3:86-9 Winter 1960.

GOSE, ELLIOTT B., JR. "Coleridge and the luminous gloom: an analysis of the 'symbolical language' in 'The rime of the ancient mariner'." *PMLA* 75:238-44 June 1960.

"'Cruel devourer of the world's light': *The secret agent*." *Nineteenth century fiction* 15:39-51 June 1960.

"The elements of nature, the atoms of society." *Canadian literature* 5:78-80 Summer 1960. Review.

"A house for criticism." *Canadian literature* 2:81-2 Autumn 1959. Review.

"The lyric and the philosophic in Yeats' *Calvary*." *Modern drama* 2:370-6 February 1960.

HALL, WILLIAM F. "The aquarium." *Fiddlehead* 44:35 Spring 1960.

"The dramatist as mechanic." *Canadian literature* 5:76-7 Summer 1960. Review.

"On the block; chapter sixteen from the novel *The chance of a lifetime*." *Prism* 1:21-35 September 1959.

HOPWOOD, V. G. "Eat well, or nothing will come of it!" *Canadian literature* 5:84-5 Summer 1960. Review.

JORDAN, ROBERT M. "The limits of illusion: Faulkner, Fielding, and Chaucer." *Criticism* 2:278-305 Summer 1960.

LAWRENCE, J. C. *The south-west coast of Vancouver Island from Metchoosin to Bamfield including Sooke, Otter, River Jordan and Port Renfrew*. [Victoria, B.C., Sooke and North Sooke women's institute, September 1959]. 74 p.

MACKENZIE, M.L. "Frontier songs." *Canadian literature* 4:87-8 Spring 1960. Review.

Introducing poetry. Vancouver, University of British Columbia, Department of university extension, 1959. 66 p. Mimeographed.

A series of 12 lectures on poetry given on C.B.C. radio.

MORRISON, EDMUND "Scholastic persons." *Canadian literature* 2:82-5 Autumn 1959. Review.

READ, STANLEY E. "The contemplative man's recreation." *Canadian literature* 3:75-6 Winter 1960. Review.

Klanak Islands: a collection of short stories. Vancouver, Klanak press, 1959. 79 p. *British Columbia library quarterly* 23:31-4 October 1959. Review.

"National peripatetic." *Canadian literature* 2:86-8 Autumn 1959. Review.

"Politics and the press." *Canadian literature* 4:80-2 Spring 1960. Review.

ROBBINS, WILLIAM *Humanistic values in English literature*. Toronto, Canadian broadcasting corporation [1960] 56 p.

Five radio talks as heard on CBC university of the air.

ROSS, JANET *Language and life in the U.S.A.; American English for foreign students*. Gladys G. Doty and Janet Ross. Evanston, Illinois; Elmsford, New York, Row, Peterson and company, 1960. 621 p.

SAWYER, A. E. "Joseph Conrad: a centenary review." *Canadian Slavonic papers* 4:182-98 1959.

SMITH, MARION B. "Christmas in Canada." *Canadian literature* 3:82-3 Winter 1960. Review.

"Novel as myth." *Canadian literature* 2:79-80 Autumn 1959. Review.

"Status and scholarship in the humanities." *Dalhousie review* 39:370-6 Autumn 1959.

"Struggle and flight." *Canadian literature* 5:85-6 Summer 1960. Review.

"What is the role of the DDF?" *Saturday night* 75:33 June 25 1960.

STEINBERG, M. W. *Aspects of modern drama*. New York, Henry Holt and company, 1960. vi, 633 p.

"John Cornish; satirist in a provincial landscape." *British Columbia library quarterly* 23:22-6 October 1959.

"A twentieth century Pentateuch; A. M. Klein's *The second scroll*." *Canadian literature* 2:37-46 Autumn 1959.

TALLMAN, WARREN "Richler and the faithless city." *Canadian literature* 3:62-4 Winter 1960. Review article.

"Wolf in the snow. Part one: Four windows on to landscapes." *Canadian literature* 5:7-20 Summer 1960.

TENER, ROBERT H. "R. H. Hutton's 'Essays theological and literary': a bibliographical note." *Notes and queries* n.s. 7:185-7 May 1960.

"The *Spectator* records, 1874-1897." *Victorian newsletter* 17:33-6 Spring 1960.

"Swinburne as reviewer." *Times literary supplement* 3017:755 December 25 1959.

THOMPSON, W. MEREDITH *pe wohunge of ure Lauerd*; edited from British museum MS Cotton Titus D. XVIII together with "*On ureisun of ure Louerde, On wel swude God ureisun of God Almihti, On lofsong of ure Louerde, On lofsong of ure lefdi, pe oreisun of Seinte Marie*," from the manuscripts in which they occur . . . London, Oxford university press, 1958. (Early English text society. No. 241).

THOMSON, WATSON "Wavering responses." *Canadian literature* 3:84-5 Winter 1960. Review.

WATTERS, R. E. *A check list of Canadian literature and background materials 1628-1950; in two parts. Being a comprehensive list of the books which constitute Canadian literature written in English, together with a selective list of other books by Canadian authors which reveal the backgrounds of that literature.* Toronto, University of Toronto press, 1959. xx,789 p.

"Leacock in limbo." *Canadian literature* 3:68-70 Winter 1960. Review article.

"Letters from Avonlea." *Canadian literature* 5:87-8 Summer 1960. Review.

"A special tang: Stephen Leacock's Canadian humour." *Canadian literature* 5:21-32 Summer 1960.

WOODCOCK, GEORGE "Dying cultures." *Canadian literature* 4:77-8 Spring 1960. Review.

"Face of a river." *Canadian literature* 2:89-90 Autumn 1959. Review.

"French Canada after 1759." *History today* 9:617-25 September 1959.

"Louis Riel; defender of the past." *Beaver* 290:24-9 Spring 1960.

"Raymond Radiguet." *London magazine* 7:60-9 May 1960.

"Venture on the verge." *Canadian literature* 5:73-5 Summer 1960. Review article.

DEPARTMENT OF FINE ARTS

BINNING, B. C. "Allied fields." Royal architectural institute of Canada. *Journal* 37:300-1 July 1960.

Part of "Seminar: Professional responsibility" 37:296-310.

CRAGG, R. CECIL "The significance of form in art." *HAC; the bulletin of the Humanities association of Canada* 29:14-5+ January 1960.

FACULTY OF FORESTRY

ALLEN, G. S. "Factors affecting the viability and germination behavior of coniferous seed. IV. Stratification period and incubation temperature, *Pseudotsuga menziesii* (Mirb.) Franco." *Forestry chronicle* 36:18-29 March 1960.

"A method of distinguishing coastal from interior Douglas fir seed." *British Columbia lumberman* 44:26-30 August 1960.

Also issued as *Research note* 28, Faculty of forestry, University of British Columbia.

GRIFFITH, BRAHAM G. *Growth of Douglas fir at the University of British Columbia research forest as related to climate and soil.* Vancouver, University of British Columbia, 1960. (Faculty of forestry. *Forestry bulletin* no. 2).

HADDOCK, PHILIP G. *The ecosystem concept in forestry.* J. S. Rowe, P. G. Haddock, G. A. Hills, V. J. Krajina, A. Linteau. Fifth world forestry congress, Seattle, Washington, August 29-September 10 1960. SP/17/1—Canada. 5 p. Mimeographed.

Old principles and fresh prospects in forest farming. Bellingham, Western Washington farm forestry association, 1960. 13 p. Mimeographed.

Paper presented at the 16th annual meeting of the Western Washington farm forestry association, Bellingham, Washington, February 26, 1960.

KENNEDY, ROBERT W. "Variation in cellulose content of Douglas-fir." R. W. Kennedy and J. M. Jaworsky. *Tappi* 43:25-7 January 1960.

KER, JOHN W. and SMITH, J. HARRY G. *Reforestation needs in the Vancouver forest district; an evaluation* by John W. Ker, J. Harry G. Smith, and David B. Little. Vancouver, University of British Columbia, 1960. (Faculty of forestry, *Research paper* no. 36).

Sponsored by the Vancouver foundation.

SMITH, J. HARRY G. "Comprehensive and economical designs for studies of spacing and thinning." *Forest science* 5:237-45 September 1959.

Also issued as *Research paper* no. 20, Faculty of forestry, University of British Columbia.

"Growth and survival of Engelmann spruce and alpine fir on seed spots at Bolean Lake, B.C., 1954-59." By J. Harry G. Smith and M. Bruce Clark. *Forestry chronicle* 36:46-9 March 1960.

"Intensive assessment of factors influencing photo-cruising shows that local expressions of photo volume are best." J. Harry G. Smith, Yam Lee and James Dobie. *Photogrammetric engineering* 26:463-9 June 1960.

Also issued as *Research paper* no. 28, Faculty of forestry, University of British Columbia.

SMITH, J. HARRY G. and KER, JOHN W. "Empirical yield equations for young forest growth." *British Columbia lumberman* 43:22-5 September 1959.

Also issued as *Research note* 23, Faculty of forestry, University of British Columbia.

Growing Douglas fir and western hemlock trees at desired rates. Vancouver, University of British Columbia, Faculty of forestry, 1960. (*Research note* 24).

WALTERS, JOHN and TESSIER, JEROME P. *Drainage of planting sites with dynamite.* By J. Walters, J. P. Tessier and J. Soos. Vancouver, University of British Columbia, Faculty of forestry, 1960. (*Research note* 25).

DEPARTMENT OF GEOGRAPHY

HOOSON, DAVID J. M. "The Middle Volga — an emerging focal region in the Soviet Union." *Geographical journal* 126:180-90 June 1960.

"A significant new Soviet periodical." *Professional geographer* 11:16-7 September 1959.

MACKAY, J. ROSS "Glacier ice-thrust features of the Yukon coast." *Geographical bulletin* 13:5-21 1959.

Geographical branch, Department of mines and technical surveys, Ottawa.

Presented at the 9th annual meeting, Canadian association of geographers, Saskatoon, May 1959.

"Regional geography: a quantitative approach." In *Mélanges géographiques canadiens offerts à Raoul Blanchard*. Québec, Les presses universitaires Laval, 1959. p. 57-63.

ROBINSON, J. LEWIS Article on British Columbia. *Funk and Wagnall encyclopedia*, 1959.

A regional index of articles in the Canadian geographical journal 1930 to 1959. Ottawa, The Royal Canadian geographical society, 1960. 19 p.

"What is Northern British Columbia?" British Columbia natural resources conference. *Transactions* 12:6-16 1959.

Held at Harrison Hot Springs, B.C., November 18, 19, 20, 1959.

DEPARTMENT OF GEOLOGY

DANNER, WILBERT R. "An introduction to the stratigraphy of southwestern British Columbia and northwestern Washington." In *Guidebook for geological field trips in southwestern British Columbia*, ed. by W. H. Mathews. Vancouver, Geological discussion club, March 1960. p. 1-6.

McTAGGART, K. C. "The mobility of *nuées ardentes*." *American journal of science* 258:369-82 May 1960.

McTAGGART, K. C. and ROUSE, GLENN E. "Field trip Vancouver to Kamloops and return." By K. C. McTaggart, J. M. Carr, C. S. Ney, and G. E. Rouse. In *Guidebook for geological field trips in southwestern British Columbia*, ed. by W. H. Mathews. Vancouver, Geological discussion club, March 1960. p. 33-52.

MATHEWS, W. H. "Geomorphology, southwestern British Columbia." In *Guidebook for geological field trips in southwestern British Columbia*, ed. by W. H. Mathews. Vancouver, Geological discussion club, March 1960. p. 11-4.

Guidebook for geological field trips in southwestern British Columbia. Edited by W. H. Mathews. Vancouver, Geological discussion club, March 1960. 53 p. map.

Prepared for meetings of the Cordilleran section of the Geological society of America.

"Vertical distribution of velocity in Salmon Glacier, British Columbia." *Journal of glaciology* 3:448-54 October 1959.

OKULITCH, VLADIMIR J. "The lower Cambrian fauna." In *Evolution: its science and doctrine*; symposium presented to the Royal society of Canada in 1959. Edited by Thomas W. M. Cameron. Toronto, University of Toronto press, 1960. (Its "Studia varia" series no. 4) p. 12-21.

WARREN, HARRY V. "Health and geology." *Western miner & oil review* 33:35-42 August 1960.

WARREN, HARRY V. and DELAVALLT, ROBERT E. "Aqua regis extractable copper and zinc in plutonic rocks in relation to ore deposits." Institution of mining and metallurgy. *Transactions* 69:495-504 June 1960.

"Readily extractable copper in eruptive rocks as a guide for prospecting." *Economic geology* 54:1291-7 November 1959.

"Trace element variations in related rocks." International geological con-

gress, 21st, Norden, 1960. *Report*. Part II. *Geological results of applied geochemistry and geophysics* p. 57-64.

WHITE, WM. HARRISON "Granitic rocks, southwestern B.C." In *Guide-book for geological field trips in southwestern British Columbia*, ed. by W. H. Mathews. Vancouver, Geological discussion club, March 1960. p. 7-10.

Prepared for meetings of the Cordilleran section of the Geological society of America.

WILLIAMS, M. Y. "Evolution of palaeozoic life: Ordovician to Permian." In *Evolution: its science and doctrine*; symposium presented to the Royal society of Canada in 1959. Edited by Thomas W. M. Cameron. Toronto, University of Toronto press, 1960. (Its "Studia varia" series no. 4) p. 22-44.

DEPARTMENT OF GERMAN

BATTS, MICHAEL S. "On the form of the 'Annolied'." *Monatshefte* 52: 179-82 April-May 1960.

HALLAMORE, JOYCE "The symbolism of the marble muse in Stifter's *Nachsommer*." *PMLA* 74:398-405 September 1959.

JETTER, MARIANNE R. "Some thoughts on Kleist's *Amphitryon* and Kaiser's *Zweimal Amphitryon*." *German life & letters* n.s. 13:178-89 April 1960.

DEPARTMENT OF HISTORY

HARNETTY, PETER "British and Indian attitudes to the Indian problem at the end of the nineteenth century." *Canadian historical association. Report* 1959:48-62.

The question of Tibet and the rule of law: International commission of jurists; Geneva; v, 208 p. *Canadian forum* 40:18-9 April 1960. Review.
The revolt in Tibet: Frank Moraes; Macmillan 223 p. *Canadian forum* 40:95-6 July 1960. Review.

"Turning new leaves." *Canadian forum* 39:208-9 December 1959. Review.

ORMSBY, MARGARET A. Articles on Alexander Mackenzie, Sir James Douglas, Sir Richard McBride. *Encyclopaedia Britannica*, 1960.

The American economic impact on Canada. By Hugh G. J. Aitken and others. (Duke university commonwealth-studies center, Publication no. 12) Durham, Duke university press, 1959. xxviii, 176 p. *Journal of economic history* 20:318-20 June 1960. Review.

Canadians in the making: a social history of Canada. By Arthur R. M. Lower. Toronto: Longmans, Green and company, 1958. xxiv, 475 p. illus. diagrams. *Journal of economic history* 19:460-1 September 1959. Review.

"Historians' view points." *Canadian literature* 3:65-7 Winter 1960. Review article.

"Neglected aspects of British Columbia's history." *British Columbia library quarterly* 23:9-12 April 1960.

A short history of Canada. By Donald C. Masters. Anvil series, no. 36. New York: D. Van Nostrand company inc. [Toronto: D. Van Nostrand company (Canada) limited] 1958. 191 p. *Basic documents in Canadian history*. By James J. Talman. Anvil series no. 40. New York: D. Van Nostrand company inc. [Toronto: D. Van Nostrand company (Canada) limited] 1959. 189 p. *Canadian historical review* 40:346-7 December 1959. Review.

A source-book of Canadian history: selected documents and personal papers. Compiled by J. H. Stewart Reid, Kenneth McNaught, and Harry S. Crowe. Toronto: Longmans, Green & Company. 1959. xvi, 472 p. *Canadian historical review* 41:170-2 June 1960. Review.

SOWARD, F. H. "The changing balance of power in the United Nations." In *The theory and practice of international relations*, ed. by David S. McLellan, William C. Olson and Fred A. Sondermann. Englewood Cliffs, N.J., Prentice-Hall, inc., 1960. p. 457-64.

Reprinted from *Political quarterly* 28:316-27 1957.

Diplomacy and peace in the nuclear age: Lester B. Pearson; S. J. Reginald Saunders; 114 p. *Canadian forum* 39:166-7 October 1959. Review.

Dream and reality. Aspects of American foreign policy. By Louis J. Halle. Toronto, Musson book co., 1959. xxi, 327 p. *International journal* 15: 71-2 Winter 1959-60. Review.

"India revisited." In *Democracy and national development in India*, ed. by Edgar McInnis. Toronto, Canadian institute of international affairs, 1960. (Contemporary affairs no. 28) p. 19-37.

The memoirs of Sir Anthony Eden. Full circle. London, Cassell, 1960. 619 p. *International journal* 15:151-4 Spring 1960. Review.

"The quarrel between India and China." *World review* p. 1-4 January 1960.

Survey of British Commonwealth affairs. Problems of wartime co-operation and post-war change, 1939-1952. By Nicholas Mansergh. London and New York, Oxford university press, 1958. 469 p. *Pacific affairs* 32: 441-2 December 1959. Review.

FACULTY OF LAW

BOURNE, CHARLES B. "The Columbia River controversy." *Canadian bar review* 37:444-72 September 1959.

"The Federation of the West Indies." *University of Toronto law journal* 13(2):135-65 1960.

FELTHAM, IVAN R. "The frustrated contracts act." *Advocate* 18:5-7 January-February 1960.

An introduction to Canadian business law. Rev. 1959. Vancouver, B.C., Author, 1959. 52 p. Mimeographed.

"Judicial research." *Canadian bar journal* 3:80-3 February 1960.

"Reciprocal enforcement of judgments act." *University of British Columbia law review* 1:229-51 March 1960.

TODD, ERIC C. E. "Bailment; nature of implied warranty of fitness." *Journal of business law* p. 335-7 July 1960.

"The quashing and attacking of municipal by-laws." *Canadian bar review* 38:197-215 May 1960.

LIBRARY

BELL, INGLIS F. *Annual bibliography of English language and literature.* v. 31 1953-1954. Ed. for the Modern humanities research association by Lewis Sawin, and others. Contributing editor for Canada Inglis Bell. Cambridge, University press, 1960.

"Canadian literature — 1959"; a checklist edited by Inglis F. Bell. *Canadian literature* 3:91-108 Winter 1960.

"A fighting governor." *Canadian literature* 2:88-9 Autumn 1959. Review.

"Mechanics of editorial work." *LPRT newsletter* 6:4-6 1960.

Highlights from a talk presented at the LPRT meeting during the Washington, D.C. conference, June 1959.

"Mountains with legends." *Canadian literature* 4:74-6 Spring 1960. Review article.

"Some themes of change; the Naegele report." *British Columbia library quarterly* 23:17-9 October 1959.

PNLA library development project studies.

DWYER, MELVA J. "Fine arts in Asia; a selected list of books on art and architecture for the Unesco seminar on Asia and the West." *Felicitier* 5: 6-8 May 1960.

FRASER, M. DOREEN E. "Canadian medical school libraries and their collections; a brief review." *Medical library association. Bulletin* 48:149-61 April 1960.

Read at the 58th annual meeting of the Medical library association, June 15-9, 1959, Toronto, Canada.

HARLOW, NEAL "Gold", its properties, modes of extraction, value, &c.,

&c., by F. G. Claudet." *British Columbia library quarterly* 23:17-24 January 1960.

Early British Columbia imprints, no. 1.

ROTHSTEIN, SAMUEL *Canada*, ed. by Gladys Engel Lang. New York, The H. W. Wilson company, 1959. 88 p. (The reference shelf, v.31, no. 4). *PNLA quarterly* 24:103-4 October 1959. Review.

"Education for librarianship in the Pacific Northwest; an interpretation of the Carnovsky report." *British Columbia library quarterly* 23:14-6 October 1959.

PNLA library development project studies.

Hood, Dora. *The side door; twenty-six years in my back room.* Toronto: The Ryerson press, 1958. 238 p. Bibliographical society of America. *Papers* 53(3):279-80 1959. Review.

"Libraries and librarianship: British Columbia, 1959/60." *British Columbia library quarterly* 23:13-6 April 1960.

The library as a community information center: papers presented at an institute conducted by the University of Illinois library school, September 29-October 2, 1957. Ed. by Rose Phelps and Janet Phillips. ("Allerton Park institutes," no. 4) Champaign, Illinois, Illinois union bookstore, 1959. 175 p. *Library quarterly* 30:161-2 April 1960. Review.

SELBY, JOAN. "New departures: *Canadian literature* and *Prism*; a review." *British Columbia library quarterly* 23:29-32 January 1960.

"New stories." *Canadian literature* 2:81 Autumn 1959. Review.

SELTH, GEOFFREY P. "BCLA fall meeting; 'Our co-operation record dismal'." *B.C.L.A. reporter* 2:3-6 December 1959.

"Correspondence [Canadian libraries and librarianship: reply]" *Australian library journal* 9:41-2 January 1960.

"Dictionary of Canadian biography." *B.C.L.A. reporter* 3:8-9 June 1960.

SMITH, ANNE M. *Encyclopedia Canadiana.* Editor in chief, John E. Robins. 10 v. Ottawa, The Canadiana company limited, [c1957-58] *Book-list and subscription books bulletin* 56:393-404 March 1 1960. Review.

Reference guide to electrical engineering literature. Vancouver, University of British Columbia library, 1960. 12 p. Mimeographed. (Reference publication no. 7 rev.).

Reference guide to mechanical engineering literature. Vancouver, University of British Columbia library, 1959. 8 p. Mimeographed. (Reference publication no. 14).

TURNER, G. G. "The evolution of an idea." *Felicitier* 5:20-1 February-March 1960.

VOGEL, BETTY Elizabeth Blanche Norcross, *The warm land*, Duncan, 1959. 112 p. illus. *British Columbia library quarterly* 23:37-40 April 1960. Review.

DEPARTMENT OF MATHEMATICS

BENEDICTY, MARIO "Projective classification of the plane trilinearities of dimension four." Mario Benedicty and David C. Kay. Padua. Università. Seminario matematico. *Rendiconti* 30:101-23 June 1960.

CHRISTIAN, ROBERT R. *High school mathematics. Unit A. The geometry of parallels*. Urbana, University of Illinois committee on school mathematics, 1960. 219 p. Mimeographed.

FROESE, CHARLOTTE "Initial estimates for self-consistent field calculations for atoms with large atomic number." *Physical review* 116:900-2 November 15 1959.

Programming the ALWAC III-E digital computer for geomagnetic data. By C. Froese and H. J. Duffus. Ottawa, Defence research board, September 1959. [29] p. (Pacific naval laboratory, Esquimalt, B.C. *Technical memorandum* 59-4).

Programs for oceanographic computations and data processing on the electronic digital computer ALWAC III-E; DP-3 oceanographic station data program. Ottawa, Fisheries research board of Canada, June 17 1960. 23 p. (Manuscript report series (Oceanographic and limnological no. 73)).

Programmed by the Canadian committee on oceanography, Pacific oceanographic group, Nanaimo, B.C.

Programs for oceanographic computations and data processing on the electronic digital computer ALWAC III-E; M-1 miscellaneous programs. By N. P. Fofonoff and C. Froese. Ottawa, Fisheries research board of Canada, June 17 1960. 35 p. (Manuscript report series (Oceanographic and limnological no. 72)).

Programmed by the Canadian committee on oceanography, Pacific oceanographic group, Nanaimo, B.C.

HULL, T. E. "Numerical methods and existence theorems for ordinary differential equations." By T. E. Hull and W. A. J. Luxemburg. *Numerische mathematik* 2:30-41 January 1960.

"On some integral equations with unbounded eigenvalues." Society for industrial and applied mathematics. *Journal* 7:290-7 September 1959.

HULL, T. E. and NEWBERY, A. C. R. "Error bounds for a family of three-point integration procedures." Society for industrial and applied mathematics. *Journal* 7:402-12 December 1959.

KOBAYASHI, SHOSHICHI "A fibering of a class of homogeneous complex manifolds." By Jun-ichi Hano and Shoshichi Kobayashi. American mathematical society. *Transactions* 94:233-43 February 1960.

LEIMANIS, E. "The conditions for the existence of limit cycles. (Ob usloviakh sushchestvovaniia predel'nykh tsiklov)" B. A. Barbashin and V. A. Tabueva. *Prikladnaia matematika i mekhanika* 23(5):826-35 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(5):1185-97 1959.

"Investigation of the stability of a gyroscope taking into account the dry friction on the axis of the inner Cardan ring (gimbal). (Issledovaniye ustoychivosti giroskopa s uchetom sukhogo treniya na osi vnutrennego kardanova kol'tsa (kozhukha))" V. V. Kremmentulo. *Prikladnaia matematika i mekhanika* 23(5):968-70 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(5):1382-6 1959.

"Motion of stabilized gyroscopic systems on a moving base. (Dvizheniye stabilizirovannykh giroskopicheskikh sistem na podvizhnom osnovanii)" V. S. Novoselov. *Prikladnaia matematika i mekhanika* 23(5):964-7 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(5):1375-81 1959.

"Nikolai Gur'evich Chetaev; a biographical sketch." *Prikladnaia matematika i mekhanika* 24:1-4 1960. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 24:1-4 August 1960.

"On particular cases of motion of a heavy rigid body about a fixed point. (O chastnykh sluchaiakh dvizheniia tiazhelogo tverdogo tela vokrug nepodvizhnoi tochki)" A. A. Bogoiavlenskii. *Prikladnaia matematika i mekhanika* 22(5):622-45 1958. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 22(5):873-905 1958.

"On a problem of optimum control of nonlinear systems. (Ob odnoi zadache optimal'nogo regulirovaniia nelineinykh sistem)" N. N. Krasovskii. *Prikladnaia matematika i mekhanika* 23(2):209-29 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(2):303-32 1959.

"On the theory of optimum control. (K teorii optimal'nogo regulirovaniia)" N. N. Krasovskii. *Prikladnaia matematika i mekhanika* 23(4):625-39 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(4):899-919 1959.

"Qualitative methods in general dynamics and celestial mechanics." *Applied mechanics reviews* 12:665-70 October 1959.

"The stability of solutions of two nonlinear differential equations of the third and fourth orders. (Ob ustoychivosti reshenii dvukh nelineinykh differentsial'nykh uravnenii tret'ego i chetvertogo poriadkov)" A. I. Ogurtsov. *Prikladnaia matematika i mekhanika* 23(1):179-81 1959. Translated from the Russian by E. Leimanis. *Applied mathematics and mechanics* 23(1):247-51 1959.

"A survey of the scientific works of N. G. Chetaev." *Prikladnaia matematika i mekhanika* 24:171-97 1960. Translated from the Russian by

E. Leimanis. *Applied mathematics and mechanics* 24:238-87 August 1960.

MARCUS, MARVIN D. *Basic theorems in matrix theory*. Washington, D.C., Government printing office, 1960. (U.S. National bureau of standards. Applied mathematics series 57).

Lectures on tensor and Grassman products. Vancouver, Department of mathematics, University of British Columbia, 1958-9. 88, (4) p.

The permanent function. By Marvin Marcus and F. C. May. Vancouver, University of British Columbia, Department of mathematics, 1960. 26 p.

Prepared for the Office of scientific research of the United States air force air research and development command.

"Permanents of doubly stochastic matrices." By Marvin Marcus and Morris Newman. American mathematical society. Symposia in applied mathematics. *Proceedings* 10:169-74 1960.

Title of proceedings: *Combinatorial analysis*.

"Some properties and applications of doubly stochastic matrices." *American mathematical monthly* 67:215-21 March 1960.

MARCUS, MARVIN D. and KHAN, NISAR A. "A note on a group defined by a quadratic form." *Canadian mathematical bulletin* 3:143-8 May 1960.

"On matrix commutators." *Canadian journal of mathematics* 12(2):269-77 1960.

"Space of k -commutative matrices." U.S. National bureau of standards. *Journal of research* 64B:51-4 January-March 1960.

MARCUS, MARVIN D. and MINC, HENRYK "The maximum number of equal non-zero subdeterminants." *Archiv der mathematik* 11(2):95-100 April 1960.

On the relation between the determinant and the permanent. Vancouver, University of British Columbia, Department of mathematics, 1960. 10 p.

Prepared for the Office of scientific research of the United States air force air research and development command.

MARCUS, MARVIN D. and MOYLS, B. N. "Transformation on tensor product spaces." *Pacific journal of mathematics* 9:1215-21 Winter 1959.

MARCUS, MARVIN D. and REE, RIMHAK "Diagonals of doubly stochastic matrices." *Quarterly journal of mathematics* Oxford 2d series 10:296-302 December 1959.

MELZAK, Z. A. "A class of star-shaped bodies." *Canadian mathematical bulletin* 2:175-80 September 1959.

"A countable interpolation problem." American mathematical society. *Proceedings* 11:304-6 April 1960.

"An existence theorem for certain autonomous systems." *American mathematical monthly* 67:438-42 May 1960.

"The isoperimetric problem of the convex hull of a closed space curve." American mathematical society. *Proceedings* 11:265-74 April 1960.

"Minkowski's theorem with curvature limitations (1)." *Canadian mathematical bulletin* 2:151-8 September 1959.

"A note on Hilbert's tenth problem." *Canadian mathematical bulletin* 3:153-6 May 1960.

"A note on sets of constant width." American mathematical society. *Proceedings* 11:493-7 June 1960.

"The positivity sets of the solutions of a transport equation." *Michigan mathematical journal* 6(4):331-4 1959.

"Power series representing certain rational functions." *Canadian journal of mathematics* 12(1):20-6 1960.

MINC, HENRYK "Enumeration of indices of given altitude and potency." Edinburgh mathematical society. *Proceedings* 11:207-9 November 1959.

"A problem in partitions: enumeration of elements of a given degree in the free commutative entropic cyclic groupoid." Edinburgh mathematical society. *Proceedings* 11:223-4 November 1959.

MOYLS, B. N., MARCUS, MARVIN D. and MINC, HENRYK *Permanent preservers on the space of doubly stochastic matrices*. Vancouver, University of British Columbia, Department of mathematics, 1960. 8 p.

Prepared for the Office of scientific research of the United States air force air research and development command.

NASH, STANLEY W. "The higher derivative test for extrema and points of inflection." *American mathematical monthly* 66:709-13 October 1959.

STRUICK, RUTH R. "A note on prime-power groups." *Canadian mathematical bulletin* 3:27-30 January 1960.

"On nilpotent products of cyclic groups." *Canadian journal of mathematics* 12(3):447-62 1960.

"On verbal products of groups." London mathematical society. *Journal* 34:397-400 October 1959.

WHITTAKER, JAMES V. "On the structure of half-groups." *Canadian journal of mathematics* 11:651-9 1959.

DEPARTMENT OF MECHANICAL ENGINEERING

BOSTON, RALPH E. "On keeping Harry happy; a look at a present-day problem — and a suggestion." *B.C. professional engineer* 11:20 August 1960.

"The training of engineering technicians." *Journal of education* 4:79-84 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

Reprinted in *B.C. professional engineer* 11:39-42 June 1960.

McILROY, H. M. "Advancing with B.C.; gas turbine cycles and free piston gassifier." *B.C. power engineer* 1(4):9-13+ 1960.

PARKINSON, G. V. *The short-chambered helium gas gun (U)*. Valcartier, Quebec, Defence research board, Canadian armament research and development establishment, October 1959. 33 p. (*CARDE technical memorandum AB-60*).

DEPARTMENT OF MEDICINE

AUCKLAND, N. L. "Epilepsy of childhood; school problems and management." *British Columbia medical journal* 2:27-30 January 1960.

BAGNALL, ARTHUR W. "Antimalarial compounds in rheumatoid disease." *Canadian medical association journal* 82:1167-9 June 4 1960.

BOGOCH, A. "Antagonism of serotonin-induced contraction and electrical activity in the ileum." E. E. Daniel, A. J. Honour, and A. Bogoch. *Gastroenterology* 39:62-73 July 1960.

"The clinical response and the amount of insulin extractable from the pancreas in diabetic patients treated with oral hypoglycaemic drugs. A report on five cases." A. Bogoch, T. W. Davis, E. Jow and G. A. Wrenshall. *Canadian medical association journal* 81:347-56 September 1 1959.

"Electrical activity of the longitudinal muscle of dog small intestine studied in vivo using microelectrodes." E. E. Daniel, A. J. Honour and A. Bogoch. *American journal of physiology* 198:113-8 January 1960.

"Electrical activity of the small intestine." E. E. Daniel, D. R. Carlow, B. T. Wachter, W. H. Sutherland, and A. Bogoch. *Gastroenterology* 37:268-81 September 1959.

"Perforation of the duodenum following gastroscopy." A. Bogoch and G. A. DeVeber. *Gastroenterology* 38:91-2 January 1960.

"Prolonged hepatitis due to infectious mononucleosis." T. W. Davis and A. Bogoch. *Canadian medical association journal* 82:476-9 February 27 1960.

"The pyloric segment after gastroenterostomy." A. Bogoch and A. G. Richards. *Canadian medical association journal* 81:463-7 September 15 1959.

"The relationship between electrical and mechanical activity of the small intestine of dog and man." E. E. Daniel, B. T. Wachter, A. J. Honour, and A. Bogoch. *Canadian journal of biochemistry and physiology* 38:777-801 August 1960.

BOGOCH, A., BAIRD, M. M. and McINTOSH, HAMISH W. "The effects of prednisone in two patients with primary biliary cirrhosis." A. Bogoch, T. W. Davis, M. H. Duffy, M. M. Baird and H. W. McIntosh. *Canadian medical association journal* 82:248-57 January 30 1960.

BOYD, R. WALLACE "Trans-pyloric prolapse of aberrant pancreatic tissue." J. D. Longley and R. W. Boyd. *Canadian journal of surgery* 3:341-3 July 1960.

EVELYN, KENNETH A. "Effect of thoracolumbar sympathectomy on the clinical course of primary (essential) hypertension." Kenneth A. Evelyn, Madan M. Singh, William P. Chapman, George A. Perera, and H. Thaler. *American journal of medicine* 28:188-221 February 1960.

FAHRNI, BROCK M. "The case for procaine hydrochloride (Novocaine) in geriatrics." *British Columbia medical journal* 1:814-5 November 1959.

FAHRNI, BROCK M. and McINTOSH, HAMISH W. "Human hyperlipaemia and hypercholesterolaemia. Rapid correction with a sulphated polyanuronide." By P. Constantinides, C. Johnson, B. M. Fahrni, R. Nakashima and H. W. McIntosh. *British medical journal* 5172:535-40 February 20 1960.

FORD, DENYS K. "Chromosome aberrations in irradiated cells of Chinese hamster grown in tissue culture." Resa Wakonig and D. K. Ford. *Canadian journal of zoology* 38:203-7 February 1960.

"The clinical course of arthritis associated with ulcerative colitis and regional ileitis." Denys K. Ford and Derek G. Vallis. *Arthritis and rheumatism* 2:526-36 December 1959.

"Reiter's syndrome and allied arthritides." *British Columbia medical journal* 2:231-2 April 1960.

GOFTON, J. PHILIP "Arthritis; a brief outline of modern treatment. Part I." *British Columbia medical journal* 2:371-5 June 1960.

"Arthritis; a brief outline of modern treatment. Part II." *British Columbia medical journal* 2:436-40 July 1960.

HASSELBACK, RICHARD C. and THOMAS, J. P. WALLACE "Aplastic anaemia." *Canadian medical association journal* 82:1253-60 June 18 1960.

HENRY, EDWIN W. "The anabolic steroid hormones." *British Columbia medical journal* 1:733-42 October 1959.

"Kidney function tests — an evaluation." *British Columbia medical journal* 2:161-8 March 1960.

KERR, R. B. and BOGOCH, A. "Hepatitis caused by glipazol (R.P. 2259) —an antidiabetic sulphonamide drug." T. W. Davis, R. B. Kerr, and A. Bogoch. *Canadian medical association journal* 83:102-12 July 16 1960.

McINTOSH, HAMISH W. "Hypopituitarism." *Current therapy* 12:342-4 1960.

"Renal excretion of calcium in man: estimation of Tm-Ca." By D. Harold Copp, G. Duncan McPherson and Hamish W. McIntosh. *Metabolism* 9:680-5 July 1960.

McINTOSH, HAMISH W. and ROBERTSON, H. ROCKE "Functioning islet-cell carcinoma of the pancreas with metastases and prolonged survival." Hamish W. McIntosh, H. Rocke Robertson, Waltman Walters, and Raymond V. Randall. *A.M.A. archives of surgery* 80:1021-8 June 1960.

MUNROE, D. S. "The practitioner of medicine — 1960." *British Columbia medical journal* 2:239-47 April 1960. (Osler lecture).

PALMER, RUSSELL A. "A functional and morphological follow-up study of acute renal failure." J. D. E. Price and R. A. Palmer. *A.M.A. archives of internal medicine* 105:90-8 January 1960.

"The physician's approach to management of the psychoneuroses." *British Columbia medical journal* 2:306-10 May 1960.

PALMER, RUSSELL A. and HENRY, EDWIN W. "Acute renal failure: practical considerations." R. A. Palmer, J. D. E. Price, E. W. Henry, A. R. Cox, D. Osoba, and Earl English. *British Columbia medical journal* 1: 641-8 September 1959.

ROBERTSON, H. ROCKE "Symposium on hospital acquired staphylococcal infections. Part I. The problem of hospital acquired staphylococcal infections." *Annals of surgery* 150:768-78 October 1959.
Presented before the American surgical association, San Francisco, California, April 15-7, 1959.

ROBINSON, CECIL E. G. "Possible association of malignant neoplasm with iron-dextran injection; a case report." By C. E. G. Robinson, D. N. Bell and J. H. Sturdy. *British medical journal* 5199:648-50 August 27 1960.

SHALLARD, BRUCE "Fees." *British Columbia medical journal* 2:376-9 June 1960.
Presented at the Medical staff meeting, St. Paul's hospital, March 15, 1960.

STEWART, WILLIAM D. *Basic office dermatology*. By Stuart Maddin, Julius L. Danto and William D. Stewart. Springfield, Illinois, Charles C. Thomas, 1960. xix, 308 p.

"Bed-pan hands." Julius L. Danto, Wm. D. Stewart, and Stuart Maddin. *Canadian nurse* 56:510-1 June 1960.

"Dermal abrasion for the removal of acne scars." Stuart Maddin, Julius L. Danto and William D. Stewart. *Canadian medical association journal* 82:1072-4 May 21 1960.

"The office use of sulfamethoxypyridazine; a review of cutaneous reactions." W. D. Stewart, W. S. Maddin and J. L. Danto. *Canadian medical association journal* 82:23-4 January 2 1960.

STEWART, WILLIAM D. and KANEE, BEN "Griseofulvin: a clinical report; the effect of griseofulvin on some superficial fungal infections and upon the cultures taken from these infections." Wm. D. Stewart, Ben Kane, J. L. Danto and Stuart W. Maddin. *Canadian medical association journal* 81:726-31 November 1 1959.

WHITELAW, DONALD M. and THOMAS, J. P. WALLACE "The significant percentage of blast cells in the bone marrow in the diagnosis of acute leukaemia." J. Wm. Ibbott, D. M. Whitelaw and J. W. Thomas. *Canadian medical association journal* 82:358-61 February 13 1960.

DEPARTMENT OF MINING AND METALLURGY

ARMSTRONG, W. M. "Electric smelting processes — reducing materials." Symposium on iron and steel in Western Canada, Edmonton, 1959. *Proceedings* 1959:157-64. (Research council of Alberta. *Information series* no. 30).

Sponsored by Coal and Metallurgy divisions, Canadian institute of mining and metallurgy and the Research council of Alberta.

"Instrumentation for the physical metallurgist." *Canadian mining and metallurgical bulletin* 52:698-9 November 1959.

FORWARD, F. A. "Direct leaching zinc-sulfide concentrates by Sherritt Gordon." By F. A. Forward and H. Veltman. *Journal of metals* 11:836-40 December 1959.

LUND, J. A. H. "The sintering and alloying behaviour of nickel-coated metal powders." J. A. Lund, T. Krantz and V. N. Mackiw. *Progress in powder metallurgy* 16:160-72 1960.

Proceedings of the Sixteenth annual meeting of the Metal powder industries federation, held at the Drake Hotel, Chicago, Illinois, April 25-7, 1960.

WILES, DONALD R. "Kinetics of the dissolution of copper in aqueous solutions of aliphatic amines." S. C. Sircar and D. R. Wiles. Electrochemical society. *Journal* 107:164-7 March 1960.

"Kinetics of the dissolution of copper in aqueous solutions of aliphatic diamines." S. C. Sircar and D. R. Wiles. Electrochemical society. *Journal* 107:366-70 May 1960.

DEPARTMENT OF NEUROLOGICAL RESEARCH

CAMERON, CHRISTINA J. "Normal and abnormal di-iodo-L-tyrosine metabolism in human subjects." *Biochemical journal* 74:323-9 February 1960.

"Radioiodine compounds of human urine after ¹³¹I therapy.

1. Fractionation." *Biochemical journal* 74:329-33 February 1960.

"Radioiodine compounds of human urine after ¹³¹I therapy.

2. Chromatographic comparison with iodine compounds of known structure." *Biochemical journal* 74:333-8 February 1960.

GIBSON, WILLIAM C. "Electrographic study of syncopal predisposition." H. Gastaut, and C. Gibson. *Aerospace medicine* 31:531-42 July 1960.

"Temporal lobe epilepsy in two sisters." *Epilepsia* 1:316-24 April 1960.

"To Oxford again." *American Oxonian* 47:125-31 July 1960.

McGEER, PATRICK L. "Strangulation of the appendix epiploica: a series of 11 cases." P. L. McGeer and A. D. McKenzie. *Canadian journal of surgery* 3:252-8 April 1960.

McGEER, PATRICK L. and McGEER, EDITH G. "Metabolism of radioactive serotonin in psychotics treated with a MAO inhibitor." P. McGeer, E. McGeer and others. *Journal of neuropsychiatry* 1:274-5 May-June 1960.

PAUL, RACHEL M., McGEER, EDITH G. and McGEER, PATRICK L. "A general chromatographic survey of aromatic compounds obtained from urine." D. M. Smith, R. M. Paul, E. G. McGeer, and P. L. McGeer. *Canadian journal of biochemistry and physiology* 37:1493-515 December 1959.

WADA, JUHN A. "Central biological action of normal and schizophrenic urine extracts in cats and monkeys." In *Recent advances in biological psychiatry*. New York, Grune & Stratton, inc., 1960. p. 300-14.

"Intracarotid injection of sodium amytal for the lateralization of cerebral speech dominance. Experimental and clinical observations." By Juhn Wada and Theodore Rasmussen. *Journal of neurosurgery* 17:266-82 March 1960.

"Permanent artificial skull with multiple electrodes and removable surgical window." Juhn A. Wada with the technical assistance of Finn Bauck and Leigh R. Cornelius. *Electroencephalography and clinical neurophysiology journal* 12:514-6 May 1960.

"Sir William Osler — a great Canadian mind." *Hokudai-Kikan* 18:58-67 June 1960.

SCHOOL OF NURSING

MALLORY, H. EVELYN "Whither we are tending." *Canadian nurse* 56:521-38 June 1960.

MORRISON, RUTH M. "Providing for depth of learning." *Canadian nurse* 56:730-4 August 1960.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

AGNEW, ALEC M. and BOYES, DAVID A. "Evaluation of radiation response." A. M. Agnew, H. K. Fidler and D. A. Boyes. *American journal of obstetrics and gynecology* 79:698-9 April 1960.

BOYD, JOHN R. "Occult invasive squamous carcinoma of the cervix." H. K. Fidler and J. R. Boyd. *Cancer* 13:764-71 July-August 1960.

BOYES, DAVID A. "A technique to increase the value of a cone biopsy from the cervix." D. A. Boyes and H. K. Fidler. *Cancer* 13:634-5 May-June 1960.

INSTITUTE OF OCEANOGRAPHY

BARY, BRIAN MCK. "Ecology and distribution of some pelagic hyperiidea (Crustacea, Amphipoda) from New Zealand waters." *Pacific science* 13:317-34 October 1959.

"Notes on ecology, distribution, and systematics of pelagic tunicata from New Zealand." *Pacific science* 14:101-21 April 1960.

PICKARD, G. L. "Current measurements in Knight Inlet, British Columbia." By G. L. Pickard and Keith Rodgers. Fisheries research board of Canada. *Journal* 16:635-78 November 1959.

"Some observations of turbidity in British Columbia inlets." G. L. Pickard and L. F. Giovando. *Limnology and oceanography* 5:162-70 April 1960.

SCAGEL, ROBERT F. "Culture studies of benthonic algae in Northeast Pacific." International oceanographic congress, 1st, Woods Hole, Mass., 1959. *Preprints* 1:203-4 1959.

"Report of the Institute of oceanography, University of British Columbia." Pacific science congress, 9th, Bangkok, 1957. *Proceedings* 16:14-5 1958.

"The role of plants in relation to animals in the marine environment." *Biology colloquium* 20:9-29 1959.

Marine biology, the proceedings of the Twentieth annual biology colloquium, Oregon state college, April 1959.

"A synthetic approach to some problems in marine algal ecology." International botanical congress, 9th, Montreal, 1959. *Proceedings* 2:344 1959. *Trip 1B British Columbia; Phycology*. International botanical congress, 9th, Canada, 1959. 20 p. Mimeographed.

STEWART, ROBERT W. "Changes in the form of short gravity waves on long waves and tidal currents." By M. S. Longuet-Higgins and R. W. Stewart. *Journal of fluid mechanics* 8:565-83 August 1960.

"The natural occurrence of turbulence." *Journal of geophysical research* 64:2112-5 December 1959.

"The problem of diffusion in a stratified fluid." *Advances in geophysics* 6:303-10 1959.

Proceedings of a Symposium on atmospheric diffusion and air pollution, held at Oxford, August 1958, by the International union of theoretical and applied mechanics and International union of geodesy and geophysics.

Proceedings of the symposium on naval hydrodynamics. Ed. by F. S. Sherman. Washington: National academy of sciences—National research council, 1957. 444 p. *Journal of fluid mechanics* 6:156-9 July 1959. Review article.

"A spectrum of turbulence at very high Reynolds number." H. L. Grant, A. Moilliet, and R. W. Stewart. *Nature* 184:808-10 September 12 1959.

DEPARTMENT OF PAEDIATRICS

DUNN, HENRY G. "Convulsions and convulsive disorders in children." College of general practice (medicine) of Canada. *Bulletin* 6:37-43 January 1960.

HARDYMENT, A. F. "Acute abdominal conditions in infants and children." *British Columbia medical journal* 2:311-6 May 1960.

HARDYMENT, A. F. and WILSON, REGINALD A. "Observations on the bacteriology and epidemiology of nursery infections. I. Staphylococcal skin infections." A. F. Hardyment, R. A. Wilson, W. Cockcroft and Betty Johnson. *Pediatrics supplement* 25:907-27 May 1960.

MULLINGER, MARGARET A. and YOUNG, MAURICE D. "Comparison of arterial and arterialized blood in normal newborn infants and older children with congenital heart lesions." M. A. Mullinger, J. A. Niblock and M. D. Young. *Journal of pediatrics* 56:630-4 May 1960.

ROBINSON, GEOFFREY C. and DUNN, HENRY G. "Observations on ABO incompatibility between mother and infant." By Geoffrey C. Robinson and Henry G. Dunn with the collaboration of L. C. Wong [and others] *Acta paediatrica (supplement 120)* 48:7-86 February 1960.

WILSON, REGINALD A. "Endocardial fibroelastosis associated with generalized glycogenosis. Occurrence in siblings." Reginald A. Wilson and Nigel Clark. *Pediatrics* 26:86-96 July 1960.

YOUNG, MAURICE D. "Congenital malformations of the heart." *Current therapy* 12:131-5 1960.

DEPARTMENT OF PATHOLOGY

ASZKANAZY DOLMAN, CLARISSE L. "Acute pancreatitis in pregnancy complicated by renal cortical necrosis and cerebral mucormycosis." C. L. Aszkanazy Dolman and J. A. Herd. *Canadian medical association journal* 81:562-4 October 1 1959.

"An unusual cause of death following surgery for ventricular septal defect." P. G. Ashmore, C. L. Aszkanazy, and G. S. Kenning. *Journal of thoracic and cardiovascular surgery* 39:751-5 June 1960.

FIDLER, H. K. "Evaluation of radiation response." A. M. Agnew, H. K. Fidler and D. A. Boyes. *American journal of obstetrics and gynecology* 79:698-9 April 1960.

"Occult invasive squamous carcinoma of the cervix." H. K. Fidler and J. R. Boyd. *Cancer* 13:764-71 July-August 1960.

"A technique to increase the value of a cone biopsy from the cervix." D. A. Boyes and H. K. Fidler. *Cancer* 13:634-5 May-June 1960.

"Usefulness of cytologic examination of body fluids and secretions in the diagnosis of malignancy." *British Columbia medical journal* 2:237-8 April 1960.

GUTMANN-AUERSPERG, NELLY "Inhibition of progress of preestablished atherosclerosis by diethylstilbestrol in the rabbit." P. Constantiniades and N. Gutmann-Auersperg. *A.M.A. archives of pathology* 70:35-42 July 1960.

LEACH, WILLIAM B., VASSAR, PHILIP S., and CULLING, C. F. "Primary systemic amyloidosis presenting as scleroderma." *Canadian medical association journal* 83:263-5 August 6 1960.

RAE, M. VIOLA "Bilharzial appendicitis." M. Viola Rae and W. S. T. Jackson. *Canadian medical association journal* 82:1270-2 June 18 1960.

SHINTANI, YURIKA K. "The nuclei of the pretectal region of the mouse brain." *Journal of comparative neurology* 113:43-60 August 1959.

STURDY, J. H. "Possible association of malignant neoplasm with iron-dextran injection; a case report." By C. E. G. Robinson, D. N. Bell and J. H. Sturdy. *British medical journal* 5199:648-50 August 27 1960.

VASSAR, PHILIP S. and CULLING, C. F. "Fluorescent stains, with special reference to amyloid and connective tissues." *A.M.A. archives of pathology* 68:487-98 November 1959.

"Tetracycline fluorescence in malignant tumors and benign ulcers." Philip S. Vassar, A. M. Saunders and C. F. A. Culling. *A.M.A. archives of pathology* 69:613-6 June 1960.

DEPARTMENT OF PHARMACOLOGY

DANIEL, EDWIN E. "Antagonism of serotonin-induced contraction and electrical activity in the ileum." E. E. Daniel, A. J. Honour, and A. Bogoch. *Gastroenterology* 39:62-73 July 1960.

"Electrical activity of the longitudinal muscle of dog small intestine studied in vivo using microelectrodes." E. E. Daniel, A. J. Honour and A. Bogoch. *American journal of physiology* 198:113-8 January 1960.

"Electrical activity of the small intestine." E. E. Daniel, D. R. Carlow, B. T. Wachter, W. H. Sutherland and A. Bogoch. *Gastroenterology* 37: 268-81 September 1959.

"The relationship between electrical and mechanical activity of the small intestine of dog and man." E. E. Daniel, B. T. Wachter, A. J. Honour, and A. Bogoch. *Canadian journal of biochemistry and physiology* 38: 777-801 August 1960.

DOWER, GORDON E. "True transmembrane potential curve from the surface of guinea pig ventricle: its relation to intrinsic deflection." Gordon E. Dower and Margaret A. Geddes. *American journal of physiology* 198: 975-80 May 1960.

DRUMMOND, GEORGE I. "Comparative physiology: fuel of muscle metabolism." George I. Drummond and Edgar C. Black. *Annual review of physiology* 22:169-90 1960.

"Enzymes ketone body metabolism. I. Purification of an acetoacetate-synthesizing enzyme from ox liver." Joseph R. Stern, George I. Drummond, Minor J. Coon, and Alice del Campillo. *Journal of biological chemistry* 235:313-7 February 1960.

"Enzymes of ketone body metabolism. II. Properties of an acetoacetate-synthesizing enzyme prepared from ox liver." George I. Drummond and Joseph R. Stern. *Journal of biological chemistry* 235:318-25 February 1960.

FACULTY OF PHARMACY

HALLIDAY, JOHN E. "A pharmacological study of gamma-thujaplicin." American pharmaceutical association. *Journal*: Scientific edition 48:722-6 December 1959.

SANDERS, H. D. "Some characteristics of alpha- and beta-amylase and the assay of their antienzymes." By H. D. Sanders and J. J. Stock. *Canadian pharmaceutical journal* 93:69-73 April 1960.

DEPARTMENT OF PHILOSOPHY

REMANT, PETER "Philosopher in the grand manner." *Canadian literature* 4:83-5 Spring 1960. Review.

"Why schools?" *Journal of education* 4:48-52 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

SCHOOL OF PHYSICAL EDUCATION AND RECREATION

ECKERT, HELEN "Women and competitive basketball." Canadian association for health, physical education and recreation. *Journal* 26:5-8 August-September 1960.

HOWELL, MAXWELL L. *Laboratory syllabus for tests and measurements.* Vancouver, Best-printer co. ltd., January 1960. 35 p.

"Nihon ragubi shiken. (Some observations of rugby in Japan)" *Rugby football* 9:12-5 September 1959.

"Tests and measurements in Canadian schools." Canadian association for health, physical education and recreation. *Proceedings of the convention* 1959:133-7.

Held at the Jubilee auditorium, Edmonton, Alberta, June 22-6, 1959.

HOWELL, MAXWELL L. and MORFORD, W. ROBERT "Circuit training for secondary schools." Canadian association for health, physical education and recreation. *Journal* 26:12-3+ June-July 1960.

"The trend toward fitness in physical education." *Journal of education* 4:98-102 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

"Words or action?" Canadian association for health, physical education and recreation. *Journal* 26:3+ April-May 1960.

HOWELL, MAXWELL L. and MULLINS, PETER M. "Generality versus specificity in motor learning." Canadian association for health, physical education and recreation. *Journal* 26:26-9 December-January 1960.

"Mental vs. physical practice in the learning of motor skills." Canadian association for health, physical education and recreation. *Journal* 26:29-30 August-September 1960.

MORFORD, W. ROBERT and HOWELL, MAXWELL L. "The technique of direct breathing in artificial respiration." *New Zealand journal of physical education* 21:3-9 July 1960.

OSBORNE, ROBERT F. "Coordination of fitness." Pacific Northwest district recreation conference. *Proceedings* 13:59-64 1960.

Held in Sun Valley, Idaho, April 10-2, 1960.

"Dr. T. K. Cureton, Jr.; a report on an inspiring workshop conducted by a distinguished authority on fitness." Canadian association for health, physical education and recreation. *Journal* 26:34-5 April-May 1960.

"Our 'Hypocratic' Oath — 1960 version." Canadian association for health, physical education and recreation. *Journal* 26:19-21 August-September 1960.

PENNEY, MARIAN "Prestige or players?" Canadian association for health, physical education and recreation. *Journal* 26:6-8 June-July 1960.

PHILLIPS, R. J. "The Sir Winston Churchill trophy." Canadian association for health, physical education and recreation. *Journal* 26:36 December-January 1960.

DEPARTMENT OF PHYSICS

BLOOM, MYER "Nuclear spin relaxation in low-temperature liquids." Irwin Oppenheim and Myer Bloom. *Canadian journal of physics* 37:1324-7 November 1959.

"Removal of oxygen from methane and the use of nuclear spin relaxation to measure oxygen concentration." H. S. Sandhu, J. Lees, and M. Bloom. *Canadian journal of chemistry* 38:493-5 April 1960.

BLÜH, OTTO "The maladjusted curriculum." *Journal of education* 4:53-62 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

BURGESS, RONALD E. "Homophase and heterophase fluctuations in semiconducting crystals." Faraday society. *Discussions* 28:151-8 1959.

"Negative resistance in semiconductor devices." *Canadian journal of physics* 38:369-75 March 1960.

Progress in semiconductors; general editor Alan F. Gibson, American editor R. E. Burgess, European editor F. A. Kröger. London, Heywood & company ltd., 1960. v. 4.

CURZON, FRANCIS L. "Growth of surface instabilities in a linear pinched discharge." By R. Latham, J. A. Nation, F. L. Curzon and A. Folkierski. *Nature* 186:624-5 May 21 1960.

"Optical and electrical studies of a linear pinched discharge." R. Latham, F. L. Curzon and J. A. Nation. International conference on ionization phenomena in gases, 4th, Uppsala, 17-21 August 1959. *Proceedings* 4A: 884-7 1960.

JACOBS, JOHN A. "Continental drift." *Nature* 185:231-2 January 23 1960.

"Temperatures within the earth's core." *Nature* 185:521-2 February 20 1960.

COBS, JOHN A. and SINNO, KEN "Occurrence frequency of geomagnetic micropulsations, Pc." *Journal of geophysical research* 65:107-13 January 1960.

World wide characteristics of geomagnetic micropulsations. Vancouver, University of British Columbia, April 11 1960. (Geophysics laboratory. *Scientific report* no. 2).

Prepared for Geophysics research directorate, Air force Cambridge research center, Air research and development command, United States air force, Bedford, Massachusetts.

ÆMPFFER, F. A. "On the possible existence of a derivative coupling in quantum electrodynamics." *Canadian journal of physics* 37:1339-43 December 1959.

VESEY, D. L. "The teaching of elementary physics." *Journal of education* 4:85-9 March 1960.

Publication of the Faculty and College of education, University of British Columbia: Vancouver-Victoria.

ESCOTT, J. R. "Measurements of $n\text{-}\gamma$ coincidences in the reaction $^{10}\text{B}(d,n\gamma)^{11}\text{C}$." By J. A. McDonell, D. G. Sargood, J. R. Moroney, and J. R. Prescott. *Australian journal of physics* 13:99-115 June 1960.

STALL, PETER "An approach to a theory of gravitation." *Canadian journal of physics* 38:975-82 August 1960.

JSELL, R. D. "Dating galenas by means of their isotopic constitutions—II." R. D. Russell and R. M. Farquhar. *Geochimica et cosmochimica acta* 19:41-52 March 1960.

Interpretations of variation in the isotope ratios of common lead." By R. D. Russell and F. Kollar. International geological congress, 21st, Norden, 1960. *Report*. Part I. *Geochemical cycles* p. 132-40.

Isotopic evidence on the origin and age of the Blind River uranium deposits." J. A. Mair, A. D. Maynes, J. E. Patchett and R. D. Russell. *Journal of geophysical research* 65:341-8 January 1960.

Lead isotopes in geology. By R. D. Russell and R. M. Farquhar. New York, Interscience publishers inc., 1960. viii, 243 p.

The mass spectrometer as a geological instrument." In *Advances in mass spectrometry*, ed. by J. D. Waldron. London, Pergamon press, 1959. p. 526-33.

Proceedings of a Joint conference organised by the Hydrocarbon research group, Institute of petroleum, and A.S.T.M. Committee E.14 and held in the University of London, 24th-26th September 1958.

Precision intercomparisons of lead isotope ratios: Broken Hill and Mount Isa." By F. Kollar, R. D. Russell and T. J. Ulrych. *Nature* 187:754-6 August 27 1960.

"Transistorized power supplies for a mass spectrometer." R. D. Russell and Frank Kollar. *Canadian journal of physics* 38:616-23 May 1960.

RUSSELL, R. D. and JACOBS, JOHN A. "Gravity measurements on the Salmon Glacier and adjoining snow field, British Columbia, Canada." By R. D. Russell, J. A. Jacobs, and F. S. Grant. Geological society of America. *Bulletin* 71:1223-30 August 1960.

SHRUM, G. M. "Physica: heri, hodie, cras." In *Evolution: its science and doctrine*; symposium presented to the Royal society of Canada in 1959. Edited by Thomas W. M. Cameron. Toronto, University of Toronto press, 1960. (Its "Studia varia" series no. 4) p. 210-9.

VOLKOFF, G. M. "On cosmology." In *Evolution: its science and doctrine*; symposium presented to the Royal society of Canada in 1959. Edited by Thomas W. M. Cameron. Toronto, University of Toronto press, 1960. (Its "Studia varia" series no. 4) p. 220-4.

WHITTLES, A. B. L. "Voltage coefficient of Victoreen high-meg resistors." *Review of scientific instruments* 31:208-9 February 1960.

DEPARTMENT OF PHYSIOLOGY

BLACK, EDGAR C. "Alterations in glycogen, glucose and lactate in rainbow and Kamloops trout, *Salmo gairdneri*, following muscular activity." Edgar C. Black, Anne C. Robertson, Arthur R. Hanslip and Wing-Gay Chiu. Fisheries research board of Canada. *Journal* 17:487-500 July 1960.

"Comparative physiology: fuel of muscle metabolism." By George I. Drummond and Edgar C. Black. *Annual review of physiology* 22:169-90 1960.

"Pyruvate metabolism in Kamloops trout, *Salmo gairdneri*, following exercise." E. C. Black, Kwok-Cheung Lam and Wing-Gay Chiu. Canadian federation of biological societies. *Proceedings* 3:14-5 1960. Abstract.

COPP, D. HAROLD "Effect of parathyroidectomy on calcium uptake by rat femur and incisors." Alice P. Suiker and D. Harold Copp. *Physiologist* 3:157 August 1960.

"Effects of severe phosphorus deficiency on calcium metabolism." A. P. Suiker and D. H. Coop. Canadian federation of biological societies. *Proceedings* 3:55 1960. Abstract.

"Parathyroids and homeostasis of blood calcium." In *Bone as a tissue*, ed. by K. Rodahl, J. T. Nicholson, and E. M. Brown. New York, McGraw-Hill, 1960. p. 289-99.

"Renal excretion of calcium in man: estimation of Tm-Ca." By D. Harold Copp, G. Duncan McPherson and Hamish W. McIntosh. *Metabolism* 9:680-5 July 1960.

CRAMER, C. F. "Movement of radiostrontium through intestinal tract of fed or fasted rats." Society for experimental biology and medicine. *Proceedings* 102:511-2 November 1959.

CRAMER, C. F. and COPP, D. HAROLD "Progress and rate of absorption of radiostrontium through intestinal tracts of rats." Society for experimental biology and medicine. *Proceedings* 102:514-7 November 1959.

MCLENNAN, HUGH "The apparent extracellular space of mammalian skeletal muscle; a comparison of the inulin space in normal and dystrophic mouse tissues." L. H. Burr and H. McLennan. *Canadian journal of biochemistry and physiology* 38:829-35 August 1960.

"The effects of γ -aminobutyric acid and other compounds on structures of the mammalian nervous system which are inhibited by Factor I." By A. J. Honour and H. McLennan. *Journal of physiology* 150:306-18 February 1960.

"Evidence for the presence of guanidine derivatives in brain extracts which inhibit the crayfish stretch receptor neuron." In *Inhibitions of the nervous system and γ -aminobutyric acid*. Oxford, Pergamon press, 1960. p. 413-5.

"The fractionation and purification of Factor I." *Journal of physiology* 151:31-9 April 1960.

"Some observations on tick paralysis in marmots." By Patricia Emmons and H. McLennan. *Journal of experimental biology* 37:355-62 June 1960.

DIVISION OF PLANT SCIENCE

BRINK, V. C. "The estrogen-like substances in certain legumes and grasses. II. The effect of stage of maturity and frequency of cutting on the estrogenic activity of some forages." W. D. Kitts, E. Swierstra, V. C. Brink and A. J. Wood. *Canadian journal of animal science* 39:158-63 December 1959.

"Note on the effect of gibberellin on red clover." V. C. Brink, W. D. Kitts, and R. W. Hogg. *Canadian journal of plant science* 40:586 July 1960.

"Recent advances in plant science." Continuing agricultural education seminar. *Proceedings* 1:34-5 1960.

Theme 1960: Farm management.
University of British Columbia, Department of university extension, May 30-June 3, 1960.

"Soil adaptations of turf grasses." British Columbia turf conference. *Proceedings* 3:33-8 May 1960.

MACLEAN, NEIL A. "Recent advances in plant disease control." Continuing agricultural education seminar. *Proceedings* 1:43-8 1960.

Theme 1960: Farm management.
University of British Columbia, Department of university extension, May 30-June 3, 1960.

"Soil condition and turf disease." British Columbia turf conference. *Proceedings* 3:28-32 May 1960.

NEILL, J. W. "Street trees — a systematic approach to their selection." *Arborist's news* 24:73-80 October 1959.

RENNEY, A. J. "The movement of herbicides in plant tissues." Continuing agricultural education seminar. *Proceedings* 1:36-40 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

DEPARTMENT OF POULTRY SCIENCE

BIELY, JACOB "The chick in nutritional research." *World's poultry science journal* 16:110-25 April-June 1960.

"The effect of dietary marine fish oils on the serum cholesterol levels in hypercholesterolemic chickens." J. D. Wood and Jacob Biely. *Canadian journal of biochemistry and physiology* 38:19-24 January 1960.

"Everton Alexander Lloyd; the prof." *U.B.C. alumni chronicle* 14:12-4 Summer 1960.

"Professor E. A. Lloyd: a man 'of many parts'." *Canada's who's who of the poultry industry* 1959:42-50.

"Reflections on poultry nutrition." Canadian feed manufacturers' association. *Proceedings of the Jasper convention* 1960:K1-K22.

Symposium: Progress in poultry and animal nutrition.

"A substance in lingcod liver oil which prevents hypercholesterolaemia in cholesterol-fed chickens." J. D. Wood and Jacob Biely. *Nature* 185:473-4 February 13 1960.

BIELY, JACOB and MARCH, B. E. "Genetic and nutritional effects on the incidence of the avian leucosis complex." J. Biely and B. E. March. *Poultry science* 38:1103-9 September 1959.

BRAY, DAVID FREDERICK "Sexual maturity and the measurement of egg production." D. F. Bray, S. C. King and V. L. Anderson. *Poultry science* 39:590-601 May 1960.

MARCH, B. E. and BIELY, JACOB "Dietary modification of serum cholesterol in the chick." B. E. March and Jacob Biely with the technical assistance of J. Tothill and S. A. Haqq. *Journal of nutrition* 69:105-10 October 1959.

"Emulsified oil as a liquid feed supplement for poultry." *Poultry science* 39:279-81 March 1960.

"The use of condensed herring solubles in turkey poult rations." B. E. March, Jacob Biely, H. L. A. Tarr and R. A. MacLeod. Fisheries re-

search board of Canada. *Progress reports of the Pacific Coast stations* 113:3-5 September 1959.

DEPARTMENT OF PREVENTIVE MEDICINE

LARSEN, ANTHONY A. "Venereal disease facilitation in Vancouver, British Columbia." Anthony A. Larsen and Warren J. Cunningham. *Canadian journal of public health* 51:49-56 February 1960.

MATHER, JAMES M. "Health needs of older people." *British Columbia medical journal* 2:300-5 May 1960.

"The role of the university in the education of public health workers." *Canadian journal of public health* 50:504-9 December 1959.

NELSON, A. JOHN *Studies in the applied epidemiology of tuberculosis in British Columbia; the report of a research group, Faculty of medicine, University of British Columbia.* Vancouver, British Columbia tuberculosis society, 1960. 69 p., 3 appendices.

DEPARTMENT OF PSYCHIATRY

McNAIR, F. E. "Milieu therapy." *Canadian journal of occupational therapy* 26:93-8 September 1959.

MARGETTS, EDWARD L. "Acute idiopathic porphyria: abdominal pain, convulsions and agitated depression." *East African medical journal* 36:656-60 December 1959.

Correspondence. *East African medical journal* 37:572-3 August 1960.

An addition to his article "The future for psychiatry in East Africa" in the June issue of the same journal.

"The future for psychiatry in East Africa." *East African medical journal* 37:448-56 June 1960.

"'Ganser syndrome' in a native African criminal." *East African medical journal* 37:32-6 January 1960.

"Sub-incision of the urethra in the Samburu of Kenya." *East African medical journal* 37:105-8 February 1960.

TYHURST, JAMES S. *The therapeutic use of d. Lysergic acid diethylamide (LSD-25).* Vancouver, University of British Columbia, Department of psychiatry, December 1959. 41 p. Mimeographed.

DEPARTMENT OF PSYCHOLOGY

KENNY, DOUGLAS T. "Postremity in human maze learning." R. J. Koppenaal and D. T. Kenny. *Canadian journal of psychology* 14:121-30 June 1960.

DEPARTMENT OF ROMANCE STUDIES

ANDISON, J. G. *Stylistique comparée du français et de l'anglais. Méthode de traduction*. By J.-P. Vinay and J. Darbelnet. (Bibliothèque de stylistique comparée, sous la direction de A. Malblanc, I) Paris: Didier; London: Harrap. 1958. 331 p. *French studies* 14:89-90 January 1960. Review.

BREARLEY, KATHERINE T., PRIMEAU, MARGUERITE A., JEFFELS, RONALD R. *Contes et scénarios*. New York, Henry Holt and company, 1960. 193, li p.

GREGG, ROBERT J. *French pronunciation and diction*, by Jean C. Batt. London, Macmillan & co., ltd., 1958. xviii — 146 p. Canadian linguistic association. *Journal* 6:69-71 Spring 1960. Review.

"Notes on the phonology of a County Antrim Scotch-Irish dialect. Part II: Historical phonology (I)." *Orbis; bulletin international de documentation linguistique* 8:400-24 December 1959.

HARDEN, A. ROBERT "The 'ubi sunt' theme in three Anglo-Norman saints' lives." *Romance notes* 1:63-4 November 1959.

LIVERMORE, HAROLD V. *A history of Spain*. New York, Grove press, inc., 1960. 478 p. (Evergreen encyclopedia v.6). English edition listed 1959.

Latin America; an introduction to the basic books in English concerning the countries of Latin America. London, The Hispanic & Luso-Brazilian councils, 1960. v, 30 p.

PRIMEAU, MARGUERITE A. "Gratien Gélinas et le théâtre populaire au Canada français." *Canadian literature* 4:31-9 Spring 1960.

TOUGAS, GERARD *Histoire de la littérature canadienne-française*. Paris, Presses universitaires de France, 1960. 286 p.

WEINBERG, KURT "Cocteau, Jean." In *Lexikon der Weltliteratur im 20. Jahrhundert* 1:362-6 1960.

"Gourmont, Rémy de." In *Lexikon der Weltliteratur im 20. Jahrhundert* 1:794-5 1960.

"Huysmans, Joris-Karl (Charles-Marie-Georges)." In *Lexikon der Weltliteratur im 20. Jahrhundert* 1:954-6 1960.

"Jacob, (Cyprien-) Max." In *Lexikon der Weltliteratur im 20. Jahrhundert* 1:1017-9 1960.

"Jarry, Alfred." In *Lexikon der Weltliteratur im 20. Jahrhundert* 1:1038-40 1960.

"Une nouvelle revue: *Liberté* 59." *Canadian literature* 2:91-4 Autumn 1959.

"The theme of exile." *Yale French studies* 25:33-40 Spring 1960.

DEPARTMENT OF SLAVONIC STUDIES

BRYNER, CYRIL *Khrushchev's decentralization and party policy*. Far Western Slavic conference, Los Angeles, California, April 1960. 11 p. Mimeographed.

PECH, STANLEY Z. "A Marxist interpretation of the Hussite movement." *Canadian Slavonic papers* 4:199-212 1959.

RUKALSKI, ZYGMUNT "Maupassant's and Chekhov's views on spiritual freedom in relation to creative writing." *Slavic and East-European studies* 5:95-7 Spring-Summer 1960.

ST. CLAIR-SOBELL, JAMES *Notes on Russian grammar*. Vancouver, University of British Columbia, Department of university extension, 1960. 11 p.

ST. CLAIR-SOBELL, JAMES and CARLSEN, IRINA M. "The structure of Russian surnames." *Canadian Slavonic papers* 4:42-60 1959.

SCHOOL OF SOCIAL WORK

CUNLIFFE, MURIEL A. *Casework and administration: a pattern for the future*. London, Association of general and family caseworkers, May 1960.

Address given to the Association at Dundee, July 1959.

"Family casework." *Social work* 17:6-12 January 1960.

A report of the review of the Family welfare association (London). London, Family welfare association, 1960. 89 p.

DEPARTMENT OF SOIL SCIENCE

BASARABA, JOSEPH "Nitrification in agricultural soils." Continuing agricultural education seminar. *Proceedings* 1:27-33 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

"Transformation of soil nitrogen." British Columbia turf conference. *Proceedings* 3:39-45 May 1960.

CLARK, J. S. "Phosphate relationships in soils." British Columbia turf conference. *Proceedings* 3:46-51 May 1960.

"Recent developments in soil chemistry." Continuing agricultural education seminar. *Proceedings* 1:19-26 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

LAIRD, D. G. "Soil preparation and management for good turf." British Columbia turf conference. *Proceedings* 3:17-27 May 1960.

ROWLES, C. A. "Soil and soil type — defined." British Columbia turf conference. *Proceedings* 3:1-16 May 1960.

"Soils of the Cordilleran region." By L. Farstad and C. A. Rowles. *Agricultural institute review* 15:33-6+ March-April 1960.

"Some recent developments in soil science (concepts of soil and soil water)." Continuing agricultural education seminar. *Proceedings* 1:1-18 1960.

Theme 1960: Farm management.

University of British Columbia, Department of university extension, May 30-June 3, 1960.

"What are the problems concerning soil acidity and liming in western Canada?" National soil fertility committee. *Report* 1960:84-9.

Meeting at Ontario agricultural college, Guelph, February 22-4, 1960.

DEPARTMENT OF SURGERY

ALLEN, PETER and ROBERTSON, ROSS "Open heart surgical correction of lesions of the mitral valve." *Canadian medical association journal* 83:189-92 July 30 1960.

ASHMORE, P. G. "Infection following splenectomy in infants and children." A. D. Forward and P. G. Ashmore. *Canadian journal of surgery* 3:229-32 April 1960.

"An unusual cause of death following surgery for ventricular septal defect." P. G. Ashmore, C. L. Aszkanazy and G. S. Kenning. *Journal of thoracic and cardiovascular surgery* 39:751-5 June 1960.

AUSTIN, W. E. "Rectal prolapse." *British Columbia medical journal* 2:154-6 March 1960.

CARROLL, JOHN J. "Anaesthesia for obstetrical manoeuvres and operations." *Canadian medical association journal* 82:184-7 January 23 1960.

COWAN, ROBERT J., BALFOUR, JOHN A., and WILLIAMS, LESLIE R. "Urethroplasties for strictures." T. F. Wilkie, R. J. Cowan, J. Balfour and L. R. Williams. *British journal of urology* 32:16-25 March 1960.

ELLIOTT, JOHN A. "The value of physical signs in the diagnosis of venous

thrombosis." J. A. Elliott and H. Rocke Robertson. *British Columbia medical journal* 2:501-2 August 1960.

ELLIOTT, JOHN A., MCKENZIE, ALLAN D. and CHUNG, WALLACE B. "Ruptured abdominal aortic aneurysm." *Surgery* 46:605-17 September 1959.

JACKSON, PAUL P. "Ischemic necrosis of the proximal gastric remnant following subtotal gastrectomy." *Annals of surgery* 150:1071-4 December 1959.

"Minor surgery in general practice." *British Columbia medical journal* 2:18-21 January 1960.

JOHNSTONE, F. R. C. "Dry ice refrigeration of gangrenous limbs." *Canadian journal of surgery* 3:238-42 April 1960.

MCKENZIE, ALLAN D. "Abdominal aortic aneurysms — intact and ruptured." *American journal of surgery* 100:176-82 August 1960.

"Strangulation of the appendix epiploica: a series of 11 cases." P. L. McGeer and A. D. McKenzie. *Canadian journal of surgery* 3:252-8 April 1960.

MORTON, KEN S. "A review of the literature on burns and trauma October 1958 to September 1959." *Medical services journal* 16:63-90 February 1960.

"Traumatic dislocation of the hip: a follow-up study." *Canadian journal of surgery* 3:67-74 October 1959.

"Traumatic dislocation of the hip in children." *British journal of surgery* 47:233-7 November 1959.

SCHULTZ, M. H. "Resuscitating devices available to the layman." D. R. Collins and M. H. Shultz. *British Columbia medical journal* 2:14-7 January 1960.

Presented at the Western divisions' meeting, Canadian anaesthetists' society, Saskatoon, Saskatchewan, March 20, 1959.

SIMPSON, DEREK G. "Alpha-chymotrypsin in cataract surgery." *Canadian medical association journal* 82:771-2 April 9 1960.

"Glaucomatocyclitic crises." *American journal of ophthalmology* 50:163-5 July 1960.

SUTHERLAND, W. H. "Electrical activity of the small intestine." E. E. Daniel, D. R. Carlow, B. T. Wachter, W. H. Sutherland, and A. Bogoch. *Gastroenterology* 37:268-81 September 1959.

THOMSON, FRANK B. "Follow-up study of 500 patients with chronic duodenal ulcer admitted to a veterans hospital." *Surgery, gynecology & obstetrics* 110:51-4 January 1960.

TURNBULL, FRANK A. "A basis for decision about cordotomy in cases of pelvic carcinoma." *Journal of neurosurgery* 16:595-9 November 1959.

"Cooperation between the surgical specialties." *British Columbia medical journal* 1:811-3 November 1959.

"The nature of pain in the late stages of cancer." *Surgery, gynecology & obstetrics* 110:665-8 June 1960.

DEPARTMENT OF UNIVERSITY EXTENSION

FRIESEN, JOHN K. *The scope of activities proper to a university department of extension.* Vancouver, University of British Columbia, Department of university extension, February 1960. 5 p. (*Occasional papers on adult education* no. 6).

ROBERTS, J. GRAYDON "Library projected programmes in British Columbia." *British Columbia library quarterly* 23:3-7 April 1960.

THOMAS, ALAN M. *Audience, market and public; an evaluation of Canadian broadcasting.* Vancouver, University of British Columbia, Department of university extension, April 1960. 24 p. (*Occasional papers on adult education* no. 7).

"Extending extension." *Spectator; bulletin of the National university extension association* 25:3-4 December 1959-January 1960.

"The making of a professional." *Food for thought* 20:4-11 September-October 1959.

"The new world of Marshall McLuhan." *Varsity graduate* 8:16-8+ September 1959.

"The public library and adult education in British Columbia." *British Columbia library quarterly* 23:3-8 October 1959.

THOMAS, ALAN M., FRIESEN, JOHN K., SELMAN, GORDON R., and CURTIS, BERT *Concerning adult and formal education; a brief to the Royal commission on education, British Columbia, 1959.* [By a committee of the Department of university extension] Vancouver, University of British Columbia, Department of university extension, 1959. 57 p.

DEPARTMENT OF ZOOLOGY

(INCLUDING THE INSTITUTE OF FISHERIES)

ALI, M. A. "The ocular structure, retinomotor and photo-behavioral responses of juvenile Pacific salmon." *Canadian journal of zoology* 37:965-96 December 1959.

BAGGERMAN, BERTHA "Salinity preference, thyroid activity and the seaward migration of four species of Pacific salmon (*Oncorhynchus*)." Fisheries research board of Canada. *Journal* 17:295-322 May 1960.

BEACH, ALAN WINSTON "Seasonal changes in the cytology of the ovary and of the pituitary gland of the goldfish." *Canadian journal of zoology* 37:615-25 October 1959.

BRIGGS, JOHN C. *Two new freshwater clingfishes of the genus "Gobiesox" from southern Mexico.* By John C. Briggs and Robert Rush Miller. Ann Arbor, University of Michigan, February 15 1960. (Occasional papers of the Museum of zoology no. 616).

CLEMENS, W. A. "Some problems in the behavior of Pacific salmon in the ocean." *Biology colloquium* 20:30-5 1959.

Marine biology, the proceedings of the Twentieth annual biology colloquium, Oregon state college, April 1959.

COWAN, IAN MCT. "Conservation in Canada 1953-1957." Pacific science congress, 9th, Bangkok, 1957. *Proceedings* 7:13-4 1959.

"The interpretation of the protein level in the ruminal contents of deer." A. J. Wood, W. D. Kitts and I. MCT. Cowan. *California fish and game* 46:227-9 April 1960.

The mammals of British Columbia. 2nd ed. By Ian McTaggart Cowan and Charles J. Guiguet. Victoria, B.C., Queen's printer, 1960. 413 p. (British Columbia provincial museum with the co-operation of Department of recreation and conservation. *Handbook* no. 11).

"Sundry thoughts on fishing efficiency; how far can we go?" *Western fisheries* 59:17-8+ January 1960.

DRAKE, ROBERT J. "Nonmarine molluscan remains from recent sediments in Matty Canyon, Pima County, Arizona." Southern California academy of sciences. *Bulletin* 58:146-54 September-December 1959.

FORD, PETER "Darwin in retrospect." In *Science & religion.* Vancouver, Unitarian church, November 1959. p. 1-6.

"Studies on the development of the kidney of the Pacific pink salmon (*Oncorhynchus gorbuscha* (Walbaum)). III. The development of the mesonephros with particular reference to the mesonephric tubule." J. D. Newstead and Peter Ford. *Canadian journal of zoology* 38:1-7 February 1960.

HICKMAN, CLEVELAND P. "The osmoregulatory role of the thyroid gland in the starry flounder, *Platichthys stellatus*." *Canadian journal of zoology* 37:997-1060 December 1959.

HOLMES, W. NEIL. "Adrenocorticosteroids in salmon plasma (*Oncorhynchus nerka*).". J. G. Phillips, W. N. Holmes and Philip K. Bondy. *Endocrinology* 65:811-8 November 1959.

"Effect of various hormones on the kidney respiration rates in the cutthroat trout (*Salmo clarki clarki*).". *Acta endocrinologica* 33:428-36 March 1960.

"Studies of the respiration rate of excretory tissues in the cutthroat trout (*Salmo clarki clarki*). I. Variations with body weight." W. N. Holmes and Gael H. Stott. *Physiological zoology* 33:9-14 January 1960.

"Studies of the respiration rates of excretory tissues in the cutthroat trout (*Salmo clarki clarki*). II. Effect of transfer to sea water." W. N. Holmes and Gael H. Stott. *Physiological zoology* 33:15-20 January 1960.

HOUSTON, ARTHUR H. "Osmoregulatory adaptation of steelhead trout (*Salmo gairdneri richardson*) to sea water." *Canadian journal of zoology* 37:729-48 October 1959.

LARKIN, PETER A. "Artificial spawning is not the answer." B. C. H. Clay and P. A. Larkin. *U.B.C. alumni chronicle* 13:14-6 Autumn 1959.

"The effects on fresh water fisheries of man-made activities in British Columbia." By P. A. Larkin and graduate students. *Canadian fish culturist* 25:27-59 October 1959.

Presented at a symposium on "The effects on fisheries of man-made changes in fresh waters," held during the eleventh meeting of the Canadian committee on fresh water fisheries research, sponsored by the Fisheries research board of Canada in association with the annual meeting of the board, January 3, 1958.

"Progress in conservation." British Columbia natural resources conference. *Transactions* 12:89-93 1959.

Held at Harrison Hot Springs, B.C., November 18, 19, 20, 1959.
Address, Joint luncheon of Associated boards of trade of the Fraser Valley and Lower Mainland, and Resources conference delegates, November 19, 1959.

LINDSEY, C. C. "Fisheries and wildlife in the North." British Columbia natural resources conference. *Transactions* 12:40-6 1959.

Held at Harrison Hot Springs, B.C., November 18, 19, 20, 1959.

A list of common and scientific names of fishes from the United States and Canada. 2nd ed. Reeve M. Bailey, Chairman, Ernest A. Lachner, C. C. Lindsey and others. Ann Arbor, Michigan, American fisheries society, 1960. 102 p. (*Special publication* no. 2).

Report of the Committee on names of fishes, presented at the 89th annual meeting, Clearwater, Florida, September 16-8, 1959.

Rainbow trout in Mexico and California with notes on the cutthroat series. By Paul R. Needham and Richard Gard. Univ. Cal. Pub. Zool., 1959. v. 67, no. 1. 124 p., 8 plates, 40 figures, 3 maps. *Copeia* 2:160-2 June 1960. Review.

LINDSEY, C. C., NORTHCOTE, T. G. and HARTMAN, G. F. "Homing of rainbow trout to inlet and outlet spawning streams at Loon Lake,

British Columbia." Fisheries research board of Canada. *Journal* 16:695-719 November 1959.

McPHAIL, J. D. *Annotated bibliography on Arctic North American freshwater fishes*. Vancouver, University of British Columbia, Institute of fisheries, June 1960. (*Museum contribution* no. 6).

PARKER, ROBERT R. and LARKIN, PETER A. "A concept of growth in fishes." Fisheries research board of Canada. *Journal* 16:721-45 November 1959.

PRAKASH, A. "Differential susceptibility of histochemical localization of alkaline phosphatase activity to pH changes and inhibitor concentrations." Academy of science. *Proceedings* 3:9 February 1960. Abstract.

"Some observations on the distribution and pH dependence of the intestinal alkaline phosphatase of steelhead trout (*Salmo gairdnerii gairdnerii*).". *Canadian journal of zoology* 38:228-9 February 1960.

RICKER, KARL E. *Fishes collected from the Revillagigedo Islands during the 1954-1958 cruises of the 'Marijean'*. Vancouver, University of British Columbia, Institute of fisheries, September 1959. 10 p. (*Museum contribution* no. 4).

"The origin of two glacial relict crustaceans in North America, as related to pleistocene glaciation." *Canadian journal of zoology* 37:871-93 December 1959.

SCUDDER, GEOFFREY G. E. "Entomology in the University of British Columbia." *Entomology newsletter* 38:1-2 May 2 1960.

"The female genitalia of the Heteroptera: morphology and bearing on classification." Royal entomological society of London. *Transactions* 111:405-67 December 31 1959.

"A new species of Heterogastrinae from north-west Africa (Hemiptera: Lygaeidae)." Royal entomological society of London. *Proceedings* B28(7-8):115-7 September 1959.

SPENCER, G. J. "Notes on a ground beetle eating a new-born field mouse." Entomological society of British Columbia. *Proceedings* 56:15 November 1959.

"On mounting lice by the Ris Lambers method for aphids." Entomological society of British Columbia. *Proceedings* 56:53 November 1959.

"Outbreaks of granary weevils in homes." Entomological society of British Columbia. *Proceedings* 56:63-4 November 1959.

"A solpugid in British Columbia." Entomological society of British Columbia. *Proceedings* 56:32 November 1959.

"Three insects new to Vancouver." Entomological society of British Columbia. *Proceedings* 56:72 November 1959.

"Two unusual breeding places of *Ptinus tectus* Boield. *Ocellus* Brown, the brown spider beetle." Entomological society of British Columbia. *Proceedings* 56:45 November 1959.

TARR, H. L. A. "Antibiotics as a preservative measure." *Canadian food industries* 31:39-43 April 1960.

Presented before the National conference, Canadian institute of food technology, June 1959.

"Biochemical changes in fish during maturation." *Biology colloquium* 20:36-50 1959.

Marine biology, the proceedings of the Twentieth annual biology colloquium, Oregon state college, April 1959.

"Data concerning production, values, imports and exports, composition, nutritive values and uses of Pacific Ocean marine products." In *Technical papers of the first Pacific rim food conference*. Honolulu, Institute of food technologists, Hawaiian section, 1960. p. 140-60.

"The effects of commercial processing on the nutrient composition of meat, poultry, and fish products. C. Effects of processing on fish products." In *Nutritional evaluation of food processing*, ed. by Robert S. Harris and Harry von Loesecke. New York, John Wiley & sons, inc., 1960. p. 283-304.

"Effects of commercial storage on the nutrient content of processed foods. B2. Fishery products." In *Nutritional evaluation of food processing*, ed. by Robert S. Harris and Harry von Loesecke. New York, John Wiley & sons, inc., 1960. p. 381-90.

"The enzyme 5-phosphorylribose pyrophosphokinase in fish muscle." *Canadian journal of biochemistry and physiology* 38:683-91 July 1960.

"Keeping quality of Pacific coast dogfish." R. H. Moyer, B. A. Southcott, E. G. Baker and H. L. A. Tarr. Fisheries research board of Canada. *Journal* 16:791-4 December 1959.

"The use of condensed herring solubles in turkey poult rations." B. E. March, Jacob Biely, H. L. A. Tarr and R. A. MacLeod. Fisheries research board of Canada. *Progress reports of the Pacific Coast stations* 113:3-5 September 1959.

UDVARDY, MIKLOS D. F. "Distributional geography of the North American bird fauna." American philosophical society. *Year book* 1959:262-3.

The faunal connections between Europe and North America. By Carl H. Linroth. New York, John Wiley & sons, inc. and Stockholm, Almquist & Wicksell, 1957. 346 p. *Journal of wildlife management* 23:465-6 October 1959. Review.

"Faunisztikai kiegészítések a hortobágy madárvilágához. (Supplement to the bird fauna of the Hortobágy)." *Aquila* 66:217-23 1959.

Russian and English abstracts.

"North Atlantic biogeography for the biogeographer." *Ecology* 40:749-50 October 1959.

"Notes on the ecological concepts of habitat, biotope and niche." *Ecology* 40:725-8 October 1959.

WILIMOVSKY, NORMAN J. *On the classification and origin of the family Cottidae*. By Anatoly Yakovlevich Taranets. Translated by Norman J. Wilimovsky and Elizabeth Lanz. Vancouver, University of British Columbia, Institute of fisheries, November 1959. 28 p. (*Museum contribution* no. 5).

EDITORS-IN-CHIEF

de BRUYN, JAN, editor *Prism; a magazine of contemporary writing*.

Editor: Member of Department of English, University of British Columbia.

DIVINSKY, N. J. and MACSKASY, ELOD, editors *Canadian chess chat; official publication of the Chess federation of Canada*.

Editorial office: Department of mathematics, University of British Columbia.

DRAKE, ROBERT J., editor *Molluscs in archaeology & the Recent*.

Editorial office: Department of zoology, University of British Columbia.

GROVES, G. A., editor *The bulletin of the Canadian conference of pharmaceutical faculties*.

Editorial office: Faculty of pharmacy, University of British Columbia.

JAMES, R. D., editor *The American mathematical monthly; the official journal of the Mathematical association of America*.

Editorial office: Department of mathematics, University of British Columbia.

MOIR, J. GLEN, editor *IPSF news bulletin; official organ of the International pharmaceutical students' federation*.

Editorial office: Faculty of pharmacy, University of British Columbia.

ST. CLAIR-SOBELL, JAMES, chairman of editorial committee *Canadian Slavonic papers*.

Editorial office: Department of Slavonic studies, University of British Columbia.

SMITH, J. HARRY G., editor *The forestry chronicle*.

Official organ of professional foresters in Canada.

Editorial office: Faculty of forestry, University of British Columbia.

STEIN, JANET R., editor *Phycological newsletter* of the Phycological society of America.

Editorial office: Department of biology and botany, University of British Columbia.

TURNER, G. G., editor *British Columbia library quarterly*.
 Editor: Member of Library staff, University of British Columbia.

WOODCOCK, GEORGE, editor *Canadian literature; a quarterly of criticism and review*.
 Editorial office: Department of English, University of British Columbia.

INDEX

Agnew, Alec M., 47
 Aird, David C., 22
 Allen, G. S., 31
 Allen, Peter, 60
 Ali, M. A., 62
 Anderson, W. J., 23
 Andison, J. G., 58
 Andrew, Geoffrey C., 7
 Armstrong, W. M., 45
 Ashmore, P. G., 60
 Aszkanazy Dolman, Clarisse L., 49
 Auckland, N. L., 42
 Austin, W. E., 60

 Baggerman, Bertha, 63
 Bagnall, Arthur W., 42
 Baird, M. M., 43
 Baker, R. J., 26
 Balfour, John A., 60
 Bartlett, N., 14
 Bary, Brian McK., 47
 Basaraba, Joseph, 59
 Batts, Michael S., 34
 Beach, Alan Winston, 63
 Beedle, Arthur, 22
 Beer, Charles T., 12
 Bell, Inglis F., 36
 Benedicty, Mario, 38
 Berry, J. C., 9
 Biely, Jacob, 56-7
 Bier, John E., 12
 Binning, B. C., 31
 Birney, Earle, 26-7
 Black, Edgar C., 54
 Blishen, Bernard R., 10
 Bloom, Myer, 52
 Blüh, Otto, 52
 Bogoch, A., 42-3, 44
 Bohn, Erik V., 26
 Bonnett, R. A., 14
 Booth, Michael R., 27
 Borden, Charles E., 10
 Boston, Ralph E., 41-2
 Bourne, Charles B., 35-6
 Bowers, F. K., 26
 Boyd, John R., 47
 Boyd, R. Wallace, 43
 Boyes, David A., 47
 Boyles, Sadie M., 24
 Bray, David Frederick, 56
 Brearley, Katherine T., 58
 Briggs, John C., 63
 Brink, V. C., 55
 Broome, E. B., 24
 Bryce, W. A., 14, 20
 Bryner, Cyril, 59
 Burgess, Ronald E., 52
 Butler, James N., 14

Cameron, Christina J., 46
 Campbell, J. J. R., 9
 Carlsen, Irina M., 59
 Carroll, John J., 60
 Cavers, S. D., 14
 Chambers, R. D., 14
 Christian, Robert R., 38
 Chung, Wallace B., 61
 Ciccone, Stefania, 14
 Clark, Howard C., 14, 15
 Clark, J. S., 59-60
 Clark, Robert M., 23
 Clemens, W. A., 63
 Clingman, Allen E., 24-5
 Cockcroft, W. H., 11
 Cohn, Werner, 10
 Cole, Kathleen, 13
 Connor, T. M., 18
 Constantinides, Paris, 7
 Copp, D. Harold, 54
 Covell, Harold M., 25
 Cowan, Ian McT., 63
 Cowan, Robert J., 60
 Cragg, R. Cecil, 31
 Cramer, C. F., 55
 Cullen, W. R., 15
 Culling, C. F., 49
 Cunliffe, Muriel A., 59
 Curtis, Bert, 62
 Curzon, Francis L., 52

 Daniel, Edwin E., 50
 Danner, Wilbert R., 33
 Davis, D. Evan, 25
 de Bruyn, Jan, 27, 67
 de Jong, S. H., 20
 Delavault, Robert E., 33-4
 Divinsky, N. J., 67
 Dolman, C. E., 11
 Dower, Gordon E., 50
 Drake, Robert J., 63, 67
 Drummond, George I., 50
 Dunell, B. A., 15
 Dunn, Henry G., 48
 Dutton, G. G. S., 15
 Dwyer, Melva J., 36

 Eckert, Helen, 51
 Eliot, C. W. J., 21
 Elliott, Gordon R., 27-8
 Elliott, John A., 60-1
 Erikson, Lloyd B., 7-8
 Evelyn, Kenneth A., 43

 Fahrni, Brock M., 43
 Feltham, Ivan R., 36
 Fidler, H. K., 49
 Ford, Denys K., 43

Ford, Peter, 63
 Forward, F. A., 45
 Fraser, M. Doreen E., 36
 Fredeman, W. E., 28
 Friedman, Constance L., 8
 Friedman, Sydney M., 8, 9
 Frieson, Anthony M., 28
 Friesen, John K., 62
 Froese, Charlotte, 38
 Frost, David C., 15-6

Gibson, William C., 46
 Gofton, J. Philip, 43
 Gose, Elliott B., Jr., 28
 Grant, W. Leonard, 21
 Gray, Peter, 16
 Gregg, Robert J., 58
 Griffith, Braham G., 31
 Groves, G. A., 67
 Gutmann-Auersperg, Nelly, 49

Haddock, Philip G., 31
 Hall, Noel A., 22
 Hall, William F., 28
 Hallamore, Joyce, 34
 Halliday, John E., 50
 Halpern, Jack, 14, 16, 17
 Harden, A. Robert, 58
 Hardyment, A. F., 48
 Harkness, Alan C., 16
 Harlow, Neal, 36-7
 Harnetty, Peter, 34
 Harrison, L. G., 17
 Harrod, J. F., 16, 17
 Hartman, G. F., 64-5
 Hasselback, Richard C., 43
 Hawthorn, Harry B., 10
 Hayward, L. D., 17
 Henry, Edwin W., 43, 44
 Hickman, Cleveland P., 63
 Ho, Ping-ti, 11
 Hochstrasser, Robin M., 15, 17
 Hodge, Gerald J. F., 10
 Holmes, W. Neil, 64
 Hooson, David J. M., 32
 Hopwood, V. G., 28
 Houston, Arthur H., 64
 Howell, Maxwell L., 51
 Hrennikoff, A., 20-1
 Hughes, William, 22
 Hull, T. E., 38
 Hutchinson, A. H., 13

Jackson, Paul P., 61
 Jacobs, John A., 52-3, 54
 James, D. G. L., 17
 James, R. D., 67
 Jamieson, Stuart, 23
 Jeffels, Ronald R., 58
 Jellinck, P. Harry, 12
 Jetter, Marianne R., 34
 Johnstone, F. R. C., 61
 Jordan, Robert M., 28

Kaempffer, F. A., 53
 Kanee, Ben, 45
 Katz, Joseph, 25
 Kennedy, Robert W., 31
 Kenny, Douglas T., 57
 Ker, John W., 31, 32
 Kerr, R. B., 44
 Khan, Nisar A., 40
 Kilgour, Alma Jean, 25
 Kirby, E. Stuart, 23
 Kirk, Alexander D., 17
 Kitts, Warren D., 9
 Kobayashi, Shoshichi, 39
 Krajina, Vladimir J., 13
 Kuijt, Job, 13-4

Laird, D. G., 60
 Langdon, Frank C., 11
 Laponce, Jean A., 23
 Larkin, Peter A., 64, 65
 Larsen, Anthony A., 57
 Lasserre, Frederic, 10-1
 Lawrence, J. C., 29
 Lawson, David, 25
 Leach, William B., 49
 Leimanis, E., 39-40
 Lindsey, C. C., 64-5
 Livermore, Harold V., 58
 Livesey, D. L., 53
 Loffmark, Ralph R., 22
 Lund, J. A. H., 45
 Lusztig, Peter A., 22
 Lyman, Vlad F., 11

McDowell, C. A., 15-6, 17-8
 McGeer, Edith G., 46
 McGeer, Patrick L., 46
 McGreer, Donald E., 18
 McGregor, Malcolm F., 21, 22
 McIlroy, H. M., 42
 McIntosh, Hamish W., 43, 44
 McIntosh, J. R., 26
 Mackay, J. Ross, 32
 McKenzie, Allan D., 61
 Mackenzie, M. L., 29
 MacKenzie, Norman A. M., 7
 MacLean, Neil A., 55-6
 McLennan, Hugh, 55
 McLeod, Wallace E., 22
 McNair, F. E., 57
 McPhail, J. D., 65
 McTaggart, K. C., 33
 Macskasy, Elod, 67
 Mallory, H. Evelyn, 46
 March, B. E., 56-7
 Marcus, Marvin D., 40, 41
 Margetts, Edward L., 57
 Mather, James M., 57
 Mathews, W. H., 33
 Matsunaga, Yoshio, 18
 Matuszewski, T. I., 23
 Melzak, Z. A., 40
 Minc, Henryk, 40, 41

Moir, J. Glen, 67
 Moodie, R. B., 18
 Morford, W. Robert, 51
 Morrison, Edmund, 29
 Morrison, Ruth M., 47
 Morton, Ken S., 61
 Moyls, B. N., 40, 41
 Muir, J. F., 21
 Mullinger, Margaret A., 48
 Mullins, Peter M., 51
 Munroe, D. S., 44

Nakashima, Miyoshi, 8
 Nash, Stanley W., 41
 Neill, J. W., 56
 Nelson, A. John, 57
 Newbery, A. C. R., 38
 Nixon, John C., 12
 Northcote, T. G., 64-5

Oberlander, H. Peter, 11
 Ogryzlo, E. A., 18-9
 Okulitch, Vladimir J., 33
 Ormsby, Margaret A., 34-5
 Osborne, Robert F., 51-2

Palmer, Russell A., 44
 Parker, Robert R., 65
 Parkinson, G. V., 42
 Paul, Rachel M., 46
 Pech, Stanley Z., 59
 Penner, Philip, 25
 Penney, Marian, 52
 Perkett, William O., 22
 Phillips, R. J., 52
 Pickard, G. L., 47
 Pincock, Richard E., 19
 Porter, Gerald B., 17, 19
 Prakash, A., 65
 Prescott, J. R., 53
 Pretious, Edward S., 21
 Primeau, Marguerite A., 58

Rae, M. Viola, 49
 Rajaratnam, Nageswari, 25
 Rastall, Peter, 53
 Read, Stanley E., 29
 Ree, Rimhak, 40
 Reeves, Leonard W., 16, 19
 Reid, C., 19
 Remnant, Peter, 50-1
 Renney, A. J., 56
 Richardson, J. A., 25
 Ricker, Karl E., 65
 Riddehough, Geoffrey B., 22
 Robbins, William, 29
 Roberts, J. Graydon, 62
 Robertson, H. Locke, 44
 Robertson, Ross, 60
 Robinson, Cecil E. G., 44
 Robinson, Geoffrey C., 48
 Robinson, Ira M., 10
 Robinson, J. Lewis, 32-3

Rogatnick, Abraham, 11
 Rosenthal, Alex, 19-20
 Ross, Janet, 29
 Rothstein, Samuel, 37
 Rouse, Glenn E., 33
 Rowlands, J. R., 18
 Rowles, C. A., 60
 Rukalski, Zygmunt, 59
 Russell, R. D., 53-4
 Ruzicka, D. J., 14, 20

St. Clair-Sobell, James, 59, 67
 Sanders, H. D., 50
 Sawyer, A. E., 29
 Scagel, Robert F., 47
 Scarfe, N. V., 25-6
 Scherrer, Harald F., 8
 Schultz, M. H., 61
 Scott, Anthony, 23
 Scott, D. S., 14
 Scudder, Geoffrey G. E., 65
 Selby, Joan, 37
 Selman, Gordon R., 62
 Selth, Geoffrey P., 37
 Shallard, Bruce, 44
 Shemilt, L. W., 14
 Shintani, Yurika K., 49
 Shrum, G. M., 54
 Simpson, Derek G., 61
 Sinno, Ken, 53
 Smiley, Donald V., 24
 Smith, Anne M., 37
 Smith, J. Harry G., 31, 32, 67
 Smith, Marion B., 29
 Smith, Robin N., 26
 Snider, Robert F., 20
 Soward, F. H., 35
 Spencer, G. J., 65-6
 Sréter, Frank A., 8-9
 Staley, L. M., 7
 Stankiewicz, W. J., 24
 Stein, Harry L., 26
 Stein, Janet R., 67
 Steinberg, M. W., 29-30
 Stewart, Robert W., 48
 Stewart, Ross, 18, 20
 Stewart, William D., 44-5
 Stock, J. J., 11-2
 Stromme, K. O., 19
 Struik, Ruth R., 41
 Sturdy, J. H., 49
 Sutherland, Neil, 26
 Sutherland, W. H., 61
 Suttles, Wayne, 10

Tallman, Warren, 30
 Tanaka, Y., 15
 Tarr, H. L. A., 66
 Tener, Gordon M., 12
 Tener, Robert H., 30
 Tessier, Jerome P., 32
 Thomas, Alan M., 62
 Thomas, J. P. Wallace, 43, 45

Thompson, W. Meredith, 30
Thomson, Frank B., 62
Thomson, Watson, 30
Todd, Eric C. E., 36
Topping, C. W., 10
Tougas, Gerard, 58
Turnbull, Frank A., 62
Turner, G. G., 37, 68
Tyhurst, James S., 57

Udvardy, Miklos D. F., 66-7

Vassar, Philip S., 49
Vogel, Betty, 38
Volkoff, G. M., 54

Wada, Juhn A., 46
Walker, G. B., 26
Walters, John, 32
Wang, Yi-t'ung, 11
Warren, Harry V., 33-4
Watson, E. L., 7

Watters, R. E., 30
Weinberg, Kurt, 58-9
White, Wm. Harrison, 34
Whitelaw, Donald M., 45
Whittaker, James V., 41
Whittles, A. B. L., 54
Wiles, Donald R., 45
Wilimovsky, Norman J., 67
Wilkinson, Hugh C., 22
Will, Robert M., 24
Williams, Leslie R., 60
Williams, M. Y., 34
Willis, C. J., 14, 15, 20
Wilson, Reginald A., 48
Wood, A. J., 9
Woodcock, George, 30-1, 68
Wort, D. J., 14

Young, Maurice D., 48

Zbarsky, Sidney H., 12