1961

PUBLICATIONS

of the

FACULTY AND STAFF

THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER
1961

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FACULTY AND STAFF

SEPTEMBER 1, 1959
TO
AUGUST 31, 1960

THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER
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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


MacKENZIE, NORMAN A. M. "Faculty participation in university administration." Vestes; the Australian universities' review 3:6-9 June 1960.


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

DEPARTMENT OF AGRICULTURAL ENGINEERING


DEPARTMENT OF ANATOMY


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


DIVISION OF ANIMAL SCIENCE


DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY


SCHOOL OF ARCHITECTURE


A report to the Metropolitan joint committee.

LASSEUR, 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.


ASIAN STUDIES


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


DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY


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


DEPARTMENT OF BIOCHEMISTRY


NIXON, JOHN C. and ZBARKSY, 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.


DEPARTMENT OF BIOLOGY AND BOTANY


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 broccoli." Canadian journal of genetics and cytology 11:203-7 December 1959.


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.


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


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


Finnish text p. 129-49.

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


First Progress report on NRC special research grant.


"A study of heterophylly and inflorescence structure in Dendrothphora and


DEPARTMENT OF CHEMICAL ENGINEERING


DEPARTMENT OF CHEMISTRY


CICCONE, 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.


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


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, 14th-16th September 1958.


"On the problem of radiative combinations between upper singlet states and the ground state in aromatic molecules." Spectrochimica acta 16:497-504 May 1960.


Reid, c. g. “Quantum phenomena in biology.” Science 131: 1078-84 April 15 1960.


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


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


DEPARTMENT OF CIVIL ENGINEERING


Proceedings of the American society of civil engineers.


Proceedings of the American society of civil engineers.

PRETIUS, 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. plates, figures. (FRM-292).


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).


DEPARTMENT OF CLASSICS


FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION


DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE


"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*.


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.


COLLEGE OF EDUCATION


Previously published as "'La plume de ma tante' or 'Apportez-moi un bon bistec saignant'; another look at French grammar teaching." *BC teacher* 38:288-9 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).


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


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


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.


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


*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.


“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.


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.


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DEPARTMENT OF ELECTRICAL ENGINEERING


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DEPARTMENT OF ENGLISH


“The Franklin’s ‘Sop in wny.’” Notes and queries n.s. 6:345-7 October 1959.


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


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-

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 oasis niger 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.


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


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


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


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


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


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


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.

WOODCOCK, George "Dying cultures." Canadian literature 4:77-8 Spring 1960. Review.
"Face of a river." Canadian literature 2:89-90 Autumn 1959. Review.

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

DEPARTMENT OF FINE ARTS


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.
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). 3° 3'
Also issued as Research paper no. 20, Faculty of forestry, University of British Columbia.


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

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


DEPARTMENT OF GEOGRAPHY


Geographical branch, Department of mines and technical surveys, Ottawa.
Presented at the 6th annual meeting, Canadian association of geographers, Saskatoon, May 1959.


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

DEPARTMENT OF GEOLOGY


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


“Trace element variations in related rocks.” International geological con-
**DEPARTMENT OF GERMAN**


**DEPARTMENT OF HISTORY**


**FACULTY OF LAW**


LIBRARY


Highlights from a talk presented at the LPRT meeting during the Washington, D.C. conference, June 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.” Feliciter 5:6-8 May 1960.


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Early British Columbia imprints, no. 1.


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SELTH, GEOFFREY F. “BCLA fall meeting; ‘Our co-operation record dismal!’” B.C.L.A. reporter 2:3-6 December 1959.


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DEPARTMENT OF MATHEMATICS


Programs for oceanographic computations and data processing on the electronic digital computer ALWAC III-E; DP-9 oceanographic station data program. Ottawa, Fisheries research board of Canada, June 17 1960. 25 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. Fedonoff 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.


“Qualitative methods in general dynamics and celestial mechanics.” *Qualitative methods in general dynamics and celestial mechanics.* Applied mechanics reviews 12:669-70 October 1959.


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


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


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


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-66).

DEPARTMENT OF MEDICINE


Presented before the American surgical association, San Francisco, California, April 15-7, 1959.


Presented at the Medical staff meeting, St. Paul's hospital, March 15, 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 Kanee, J. L. Danto and Stuart W. Maddin. Canadian medical association journal 81:726-31 November 1 1959.


DEPARTMENT OF MINING AND METALLURGY


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.


Proceedings of the Sixteenth annual meeting of the Metal powder industries federation, held at the Drake Hotel, Chicago, Illinois, April 24-7, 1960.


DEPARTMENT OF NEUROLOGICAL RESEARCH


"Radioiodine compounds of human urine after 131I therapy. 2. Chromatographic comparison with iodine compounds of known structure." Biochemical journal 74:333-8 February 1960.


SCHOOL OF NURSING

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


DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY


INSTITUTE OF OCEANOGRAPHY


*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.*


DEPARTMENT OF PEDIATRICS


DEPARTMENT OF PATHOLOGY


DEPARTMENT OF PHARMACOLOGY


FACULTY OF PHARMACY


DEPARTMENT OF PHILOSOPHY


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

SCHOOL OF PHYSICAL EDUCATION AND RECREATION


Held at the Jubilee auditorium, Edmonton, Alberta, June 21-6, 1959.


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.


DEPARTMENT OF PHYSICS


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


*World wide characteristics of geomagnetic micro pulsations.* 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.


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


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.


DEPARTMENT OF PHYSIOLOGY


DIVISION OF PLANT SCIENCE


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


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


Theme 1960: Farm management.
University of British Columbia, Department of university extension, May 30-June 5, 1960.

DEPARTMENT OF POULTRY SCIENCE


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

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


Symposium: Progress in poultry and animal nutrition.


DEPARTMENT OF PREVENTIVE MEDICINE


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


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


DEPARTMENT OF PSYCHOLOGY

DEPARTMENT OF ROMANCE STUDIES


"Notes on the phonology of a County Antrim Scotch-Irish dialect. Part II: Historical phonology (1)." *Orbis; bulletin international de documentation linguistique* 8:400-24 December 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.


DEPARTMENT OF SLAVONIC STUDIES

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


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


SCHOOL OF SOCIAL WORK


DEPARTMENT OF SOIL SCIENCE


Theme 1960: Farm management.


Theme 1960: Farm management.


**DEPARTMENT OF SURGERY**


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


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).


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).


DEPARTMENT OF ZOOLOGY (INCLUDING THE INSTITUTE OF FISHERIES)


CLEMENS, W. A. “Some problems in the behavior of Pacific salmon in the ocean.” Biological colloquium 20:30-5 1959.

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


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.


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.


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.


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.


"Some observations on the distribution and pH dependence of the intestinal alkaline phosphatase of steelhead trout (Salmo gairdneri richardson)." 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.


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.


Russian and English abstracts.


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.

STEIN, JANET R., editor *Phycological newsletter of the Phycological society of America.*
Editorial office: Department of biology and botany, University of British Columbia.
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