

STUART ARTHUR HARRIS

CURRICULUM VITAE

PERSONAL DATA

Address: 6316 Dalton Dr. N.W., Calgary, Alberta T3A 1E4

Date of Birth: January 14, 1931

Marital Status: Married with 3 children, 7 grandchildren and 5 great-grandchildren.

Nationality: Canadian

EDUCATION

University: Queen Mary College, London, England.
Internal Student: 1949-1952;
 1954-1955;
External Student: 1964-1968.

B.Sc. (Hons.) Geology (Mineralogy and Petrology) July 1952
 Subsidiary subjects: **Geography (2 yrs.)**,
 Chemistry (1 year).

M.Sc. (Geology) - by Thesis 1955

Ph.D., University of London 1968

D.Sc. (Geography), University of London,
 2001.

POSITIONS HELD

1952-1954

ROYAL ENGINEERS

Served 18 months on active service in Egypt. Solved water supply problems, found materials for filtration plant, carried out road and airfield construction; seconded to the Arab Legion in Jordan for 2 months; put in an airstrip 75 km behind enemy lines. Awarded the General Service Medal (Canal Zone Clasp).

1955-1959

HUNTING TECHNICAL SERVICES, England

Position: Soil Scientist

Iraq - 1955-58: Soil Survey and Land Classification for irrigation purposes, using aerial photographs; reconnaissance and semi-detailed reconnaissance. In charge of field team on reconnaissance survey, 1958.

Soil Survey of England & Wales - 1959: Secondment for soil survey work in the Leeds, Yorkshire area using aerial photographs.

- 1959-1962 **GOVERNMENT OF BRITISH GUIANA** (now Guyana)
Position: Soil Surveyor
- Detailed and reconnaissance surveys of the coastlands and unsurveyed interior (on the Essequibo Coast and in the North West District).
- 1962
 March - June **UNIVERSITY OF CHICAGO**
Position: Visiting Assistant Professor of Geography
- 1962-1966 **WATERLOO LUTHERAN UNIVERSITY** (now Sir Wilfred Laurier Univ.)
Position: Assistant Professor of Geography and Geology
- Teaching Physical Geography, Climatology and Meteorology, Introductory Geology, Introductory Geography, Biogeography, Pleistocene Geology and Geography, Geomorphology and Field Methods, at undergraduate level, and Soil Geography and Pleistocene Geology and Geography at graduate level.
- 1966-1969 **UNIVERSITY OF KANSAS, Lawrence, Ks.**
Position: Associate Professor of Geography
- 1969-1973 **UNIVERSITY OF CALGARY, Alberta**
Position: Associate Professor of Geography
- 1973 - 1996 **UNIVERSITY OF CALGARY, Alberta**
Position: Professor of Geography
- 1996 - 2008 **UNIVERSITY OF CALGARY, Alberta**
Emeritus Professor of Geography
Faculty Professor, Faculty of Social Sciences
- 2008 - present **UNIVERSITY OF CALGARY, Alberta**
Emeritus Professor of Geography

HONOURS AND AWARDS

November 1989: Awarded the first Westmark Klondike Inn Science Award for achievement in Science by a non-resident scientist conducting Yukon Research in 1989 by the Yukon Science Institute.

September 1996: Awarded the Nikolai Mihailovich Prjevalsky Medal for my research on Alpine Permafrost by the Russian Geographical Society.

December 1996: Awarded the Alberta Centennial Medal for my part in saving Nose Hill Park, Calgary from the Developers, and for service to my community.

January, 2006-present. Member, Editorial Board, of “Earth Cryosphere”, the main Russian Journal dealing with permafrost.

September, 2009: Invited to participate in the platform party for the installation of Dr. Steven Franklin as President of Trent University.

October, 2013-2016. Member, Editorial Board of “Sciences in Cold and Arid Regions”, the main Chinese Journal dealing with permafrost and arid land problems.

OTHER EXPERIENCE

Laboratory Demonstrator in Geology, Queen Mary College, University of London, England, 1954-55.

Attended the 7th International Conference of Soil Science at Madison, Wisconsin in August 1960, giving a paper, and afterwards participated in Tour II (Illinois, Missouri, Arkansas, Tennessee, N. Carolina and Virginia).

In Oct./Nov. 1961, visited Soil Conservation Staff of the United States Department of Agriculture in Puerto Rico, Gainesville (Florida), Raleigh (N. Carolina), and Washington (D.C.); examined the soils in these areas with special reference to the problems of their classification and utilization.

Summer Term, 1963: Taught Introductory Geography course at the University of Western Ontario.

Fall, 1963: Ontario Research Foundation travel grant for research on the lake terraces around Waterloo, Ontario.

Summer, 1964: Attended the International Geographical Union meetings in London, England, and then the 8th International Congress of Soil Science in Bucharest, Romania on an N.R.C. travel grant. Read a paper and travelled around the western part of Romania on

Tour II. Collected soil micromonoliths.

Spring, 1965: Ontario Research Foundation Grant for study of the Waterloo Sandhills.

June-August, 1965: Attended the I.N.Q.U.A. Field Meeting in Alaska, reading a paper at the Symposium on Arctic Processes at Fairbanks; also read a paper at the main Congress in Denver, Colorado.

Summer, 1966: Department of University Affairs (Ontario) grant to study the origin of the moraines and drumlins between Hamilton and Stratford, Ontario.

Summer, 1967: Taught landforms and soils to the N.D.E.A. Summer Institute in Geography for Teachers at the University of Kansas. Taught soils and landforms in the field in Costa Rica for the Tropical Geography course of the Organization of Tropical Studies. Research on the use of various types of imagery for mapping soils by remote sensing (C.R.E.S.).

Summer, 1968: Ph.D. oral defense of thesis, University of London; teaching landforms and soils to the N.D.E.A. Summer Institute in Geography for Teachers at the University of Kansas; Field research, completing the mapping of the soils of Costa Rica at a reconnaissance scale.

Summer, 1969: National Council for Geographic Research grant to study the relationship of soil structure to water erosion in the Prairie Zone of Alberta.

Summer, 1969 to present: National Research Council grant to study late and post glacial geomorphic processes in parts of southern Alberta.

Summer, 1971 to 1978: Coordinator for interdisciplinary study of the Burn area, Vermilion Pass, Kootenay-Banff National Parks (on a Parks grant).

Summer, 1971: National Council for Geographic Research Grant to study the size and nature of an unglaciated zone between the Bow and Red Deer Rivers.

1972 to present: Corresponding member for Canada on the High Altitude Geoecology Commission, International Geographical Union.

Summer, 1972: As corresponding member for Canada, organized the Commission meeting on High Altitude Geoecology at Calgary and Kananaskis for the International Geographical Union. Gave two papers at this meeting and acted as official observer for the International Union for Conservation of Nature. Attended the main I.G.U. meetings in Montreal, giving a paper on a system for mapping soil productivity potential; also was one of five geomorphologists chosen to give a slide show covering the geomorphology of Canada. Also responsible for supervising the mapping of the soils of the Kananaskis valley by Dr. P. Karkanis for the Environmental Sciences Centre.

Fall and Winter, 1972: Responsible for supervising the analysis of samples from typical soil profiles in the Kananaskis valley by Dr. Karkanis.

Jan.-Dec., 1974: Visiting staff member, Geography Department, University of Canterbury, Christchurch, New Zealand, while on sabbatical leave. Visited Australia, Fiji, Tahiti, American Samoa and Hawaii. Carried out research in New Zealand on stratified screen, loess wedges and soils developed on tills of different ages.

1974 to 1980: Research on Alpine permafrost in the Eastern Rocky Mountains with the late Dr. Roger Brown, National Research Council.

Summer, 1976: Attended the International Geographical Union meeting in Moscow, the Commission on High Altitude Geocology in the Caucasus and visited the Permafrost Institute at Yakutsk, Siberia. Read four invited papers.

Summer, 1978: Organized the Alpine Permafrost Field Trip for the Third International Conference on Permafrost, Edmonton, Alberta.

June, 1978: Gave an invited paper at the International Society of Soil Science meetings in Edmonton, Alberta.

July, 1978: Gave an invited paper at the Third International Conference on Permafrost, Edmonton, Alberta.

July, 1978: Appointed to the International Geographical Union/International Quaternary Association Coordinating Committee for Periglacial Research.

September, 1978: Gave an invited paper at the I.G.U./I.N.Q.U.A. Coordinating Committee for Periglacial Research in Belgium.

April, 1979-1982: Appointed to National Research Council Advisory Committee on Permafrost. September, 1979: Gave a paper at the I.G.U./I.N.Q.U.A. Coordinating Committee for Periglacial Research meeting in Finnmark. Appointed Chairman of the subcommittee on climatic controls of permafrost landforms for the Permafrost Working Group of the International Geographical Union of the International Association of Quaternary Research.

May, 1980: Attended the Conference on Environmental Effects of the Alyeska Pipeline, Environmental Protection Agency, Fairbanks, Alaska.

October, 1980: Gave an invited paper at the Annual Meeting of the Great Plains-Rocky Mountain Division of the Association of American Geographers, Salt Lake City.

August, 1981: Attended the Iceland meeting of the Periglacial Commission of I.N.Q.U.A., giving two papers.

- 1981-1982: Helped organize the Fourth Canadian Permafrost Conference in Calgary, editing the section on "Climate & Permafrost" (over 1/4 of the papers for the Conference). Gave two papers.
- 1982: Re-appointed to the Subcommittee on Permafrost Research, the Associate Committee for Geotechnical Research, N.R.C., Ottawa.
- June, 1982: Contract research on the environmental conditions along the proposed alignment of an access road to the Kaskawulsh Glacier, Kluane National Park.
- July, 1982: Drove the route for the Dempster Highway Field Trip for the 4th International Permafrost Conference and helped to write the field guide.
- July, 1982 to 1995: Appointed University representative, Users Committee, Kluane Lake Research Station, Arctic Institute of North America.
- November, 1982: Commenced contract research to determine the distribution of permafrost in the Summit Lake area of northern British Columbia, west of Fort Nelson.
- November, 1982: Edited the two translations of Chinese papers for the 4th International Permafrost Conference.
- February, 1983: Appointed Chairman, Working Group revising the N.R.C. book, "Permafrost Terminology" for the Permafrost Subcommittee, Associate Committee on Geotechnical Research, N.R.C.
- May, 1983: Appointed Corresponding Member, Periglacial Commission, International Geographical Union - I.N.Q.U.A.
- May, 1983: Appointed Research Associate, Arctic Institute of North America by their Board of Governors. This WAS renewed every year UNTIL 1995 (the only University of Calgary Faculty member to have this honour for so long).
- July, 1983: Gave two invited papers at the 4th International Permafrost Conference in Fairbanks and helped lead the Dempster Highway Field Trip. Reviewed 30 papers for the Conference Proceedings.
- August, 1983: Asked to write a book on the Utilization of Permafrost Lands by Croom Helm.
- July, 1984: Commenced research on three long-term studies for Parks Canada at Kluane National Park.
- July, 1984: Attended the Vars Symposium of the Periglacial Commission, French Alps Field Trip, and the 25th International Geographical Congress in Paris, giving two invited papers.

November, 1984: Gave an invited paper at the 17th Chacmool conference, Dept. of Archaeology, University of Calgary.

June, 1985: Contract research, on a study of a rock glacier and mudflows threatening a road, Kluane National Park.

October, 1985: Gave an invited lecture at the Geographical Institute, University of Göttingen, Germany.

March, 1986: Gave two papers at the Western Regional Meeting, Canadian Association of Geographers.

May, 1986: One of three International Permafrost Specialists invited to the Quaternary Research Center, University of Washington, Seattle to give a paper with leading U.S. specialists at a symposium marking the 75th birthday of Dr. A. L. Washburn.

June, 1986: Gave two papers at the Annual Meeting, Canadian Association of Geographers. Ran a workshop and a 2-day field trip.

August, 1986: Gave two papers at the Mountain Geocology Commission, International Geographical Union meeting in the Pyrenees.

September, 1986: Gave an invited paper at the Second Meeting on Northern Climate in Yellowknife, sponsored by DIAND and the Atmospheric Environment Service.

1986: Commenced research into the nature and dynamics of a suite of palsas at Fox Lake, Yukon Territory.

March, 1987: Gave a paper at the Western Regional Meeting, Canadian Association of Geographers. Served as an Editor of the Proceedings for 1987-1989.

May, 1987: Discussant, Alberta Planning Association Annual Meeting.

September, 1987: Gave a paper at the Great Plains/Rocky Mountain Section Annual Meeting, Association of American Geographers.

1987: Commenced research into the nature and origin of peat plateaus near Watson Lake, Yukon Territory.

April, 1988: Attended the Symposium on Holocene Climates in Arctic Canada in Boulder, Colorado, reading a paper.

May, 1988: Participated in the workshop of the Royal Society of Canada on research requirements in Northern Canada.

August, 1988: Gave two papers at the 5th International Permafrost Conference in Trondheim,

Norway.

September, 1988: Appointed as one of five permanent members of the Mountain Permafrost Working Group, International Permafrost Association.

October, 1988: Visited China, giving an invited paper at the 3rd Chinese National Permafrost Conference, representing Canada. Visited the glaciological station in the Tian Shan, and also the permafrost research stations in the northern section of the Tibetan Plateau.

May, 1989: Gave a paper at the Geological Association of Canada meeting in Montreal on the use of ^{18}O ratios in ground ice for interpreting past climates (with H. R. Krouse).

October, 1989: Gave an invited paper in Mendoza, Argentina at the first UNESCO conference, International Geological Correlation Programme, Project #297, "Geocryology of the Americas". Appointed secretary of the Project for 1990-93.

November, 1989: Awarded the first Westmark Klondike Inn Science Award for achievement in Science by a non-resident scientist conducting Yukon Research in 1989 by the Yukon Science Institute.

January, 1990: Appointed Canadian liaison person for Project #297 to the Canadian IGCP Committee.

May, 1990: Gave a paper at the 5th Canadian Permafrost Conference and acted as an editor for the Proceedings.

June-July, 1990: NSERC bilateral exchange scholarship with Dr. Cui Zhijui at Peking University. Visited N.E. China, Tian Shan and Kunlun Shan. Gave an invited paper at Harbin Normal University, China.

May, 1991: Attended a Climatic Change and Foundations Workshop of the International Permafrost Association in Norilsk as a guest of the Russian Academy of Sciences. Gave a paper there.

June-July, 1991: Attended the INQUA Conference in Beijing, giving a paper and carrying out field work.

September, 1991: Gave two papers and a review paper at the Mountain Permafrost Workshop of the International Permafrost Association in Interlaken, Switzerland. Took part in the Pre-Conference field trip and chaired a session.

July-August, 1992: Organized the International Workshop on Mountain Permafrost in Calgary, leading the Preconference Field Trip and participating in the Post-Conference Field Trip. Sponsors: International Permafrost Association, Mountain Permafrost and Periglacial Environment Working Groups and IGCP Project #297, Geocryology of the Americas.

Gave three papers.

November, 1992: Gave an invited paper at the Climatic Change and the Palliser Triangle Meeting, Regina.

Prepared fourteen articles for the new edition of the Encyclopedia of Geomorphic Processes and Landforms.

May, 1993: Gave an invited paper at the ASLO Conference in Edmonton.

July, 1993: Gave a paper and also an invited paper at the International Permafrost Association Meeting in Beijing, China. Helped lead the Tibetan Field Trip for the International Permafrost Association with Chinese colleagues.

Re-appointed to the Mountain Permafrost Working Group of the International Permafrost Association and appointed as a Corresponding Member of the Terminology and the Periglacial Processes and Environments Working Groups of the International Permafrost Association.

September, 1993: Gave a paper at the SPRUCE Conference, Rothamstead Experimental Station, Harpenden, England.

September, 1994: Gave a paper at the Grèzes Litées Workshop in France.

June-July, 1995: Spent one month in China installing data loggers to maintain ground and air temperatures south of Amdo, Tibet, in cooperation with the Lanzhou Institute of Glaciology and Geocryology.

November, 1995: Attended the International Permafrost Association Workshop at Dartmouth College, Hanover, New Hampshire. Presented three invited papers on monitoring of permafrost and climatic change.

November, 1995: Hosted Professor Nikolai Romanovskii from Moscow State University for two weeks while he was on a 2-month N. American visit arranged by the International Permafrost Association. Carried out permafrost field work in Rocky Mountains in S.W. Alberta and in British Columbia with him.

December, 1995: Attended the American Geophysical Union meetings in San Francisco, giving two invited papers at the special session on Geocryology.

August, 1996: Gave an invited paper at the 5th Chinese Permafrost Conference in Lanzhou. Then continued on to Almaty, Kazakhstan, visiting the International Centre of Geoecology of the Mountain Countries in Arid Regions, with the Executive of the International Permafrost Association. Visited their field stations and was shown their research. Met with the President of the Kazakhstan Academy of Sciences to advise on future research directions. Awarded the Nikolai Mihailovich Prjevalsky medal for my

research on Alpine Permafrost by the Russian Geographical Society.

February, 1997: Gave a paper summarizing the research results at Plateau Mountain at the Western Canadian Geographers Annual Meeting in Prince George, British Columbia.

April, 1997: Gave an invited paper at the International Permafrost Conference hosted by the Russian Academy of Sciences at Pushchino, Russia.

August-September, 1997: Attended the International Permafrost Association workshop in Switzerland and Italy, giving an invited paper; also gave a paper at the International Geomorphological Association meeting in Bologna, Italy.

December, 1997: Attended the American Geophysical Union meetings in San Francisco, giving an invited paper at a special Permafrost session honouring Dr. A. L. Washburn.

May, 1998: Ran a field course on Permafrost for nine students in the Yukon Territory.

Summer, 1998: Appointed to the Molluscan Sub-Committee of COSEWIC.

June-July, 1998: Gave a paper at the International Permafrost Association meeting in Yellowknife and took part in the field trip in Northern Quebec (giving two more papers).

August, 1998: Gave an invited paper at the Mountain Permafrost workshop in Portugal sponsored by the International Permafrost Association.,

November, 1998: Gave an invited paper at the NATO Conference on the Use of Permafrost Lands in Novosibirsk, Russia.

April, 1999: Gave an invited paper at the 250th Anniversary Meeting on Geocryology and Glaciology sponsored by the Russian Academy of Sciences in Pushchino, Russia.

May-June, 1999: Ran a field course on Permafrost for 16 students (2 international) in the Yukon Territory.

September, 1999: Attended an International Permafrost meeting in Lodz, Poland, giving an invited paper. Field work in Poland for two weeks.

May, 2000: Gave an invited paper at the Annual Meeting on Geocryology and Glaciology sponsored by the Russian Academy of Sciences in Pushchino, Russia.

July, 2000: Took three students to the Yukon to continue research on Permafrost problems.

September, 2000: Attended the First International Conference on Biodiversity at Rigi-Kaltbad, Switzerland, giving an invited paper.

June, 2001: Field work in the Yukon with students.

July, 2001: Attended a botany meeting at Petropavlosk, Kamchatka, sponsored by the Russian Academy of Sciences, Eastern Division. Gave an invited paper and carried out three weeks of field work with the organizers.

September, 2001: Attended an International Permafrost Association meeting in Ulan Bator, Mongolia, presenting an invited paper. Afterwards, participated in a field trip, looking at permafrost across central and northern Mongolia.

June, 2002: Field work in Alaska and the Yukon with John Jensen, studying the distribution and characteristics of Lithalsas.

August, 2002: Field work with five students, measuring the rate of movement of a rock glacier at Marmot Basin, Jasper.

January, 2003: Attended the Cryospheric Systems Symposium of the British Geomorphological Research Group and Association for Quaternary Research at the Geological Society of London, England, presenting an invited paper.

June, 2003: Field work with students in the Yukon.

August, 2003: Attended the Third International Conference on Biodiversity at Lake Titicaca, Bolivia, giving an invited paper. Field work in Peru and at Sahama National Park, Bolivia.

October, 2003: Reappointed to the Molluscan Sub-Committee of COSEWIC.

April, 2004: Attended the First European Union Geoscience Conference at Nice, presenting an invited paper. Two weeks field work in the Maritime Alps of France.

May-June, 2004: Attended the International Conference on Cryosphere of Oil and Gas-bearing Provinces at Tyumen, western Siberia, presenting an invited paper. Was one of nine foreigners to accompany the President of the Russian Academy of Sciences on a visit to Nadym, with field work in the production fields of Gazprom. The Russian Academy of Sciences sponsored the meeting.

September, 2004: Hosted the annual meeting of the Molluscan Sub-Committee of COSEWIC.

April, 2005: Lead speaker in the two-day Permafrost Geophysics workshop organized by the Alberta Professional Engineers and Geologists Association.

May, 2005: Attended the International Permafrost Conference in Pushchino, Russia, giving an invited paper.

November, 2005: Attended the First International Diversitas Conference at Oaxaca, Mexico, giving an invited paper. Two weeks of field work in Mexico and Costa Rica.

July, 2006: Attended the Asian Conference on Permafrost in Lanzhou, giving an invited paper. Spent two days with the President of the International Permafrost Association inspecting the permafrost monitoring sites on the Qinghai-Xizang (Tibetan) Plateau and looking at the methods used in the construction of the Trans-Tibetan Railway.

2006: Reappointed to the Molluscan Subcommittee of COSEWIC.

June, 2007: Attended the Russian Academy of Sciences annual permafrost meeting held in Salekhad, Siberia, giving an invited paper.

June-July, 2008. Attended the 9th International Permafrost Conference in Fairbanks, Alaska, participating in the Prudoe Bay and Nome Field Trips.

May, 2009: Give an invited lecture on 33 years of climatic change in NW. North America at Peking University, China..

May, 2009: Attended the 50th Anniversary celebrations of the Permafrost Research Institute of the Chinese Academy of Sciences in Lanzhou, China. Gave an invited lecture on Climate Change in N.W. North America.

July-August, 2010. Field work on the eastern slopes of the Qinghai-Tibet Plateau and in the mountains of both Qinghai and Gansu Provinces with a Lanzhou field team (CAS).

August, 2010. Gave an invited lecture on the buffering of climate change in Mountains with enclosed basins and valleys at the “Cryospheric Change and its influences” Conference in Lijiang, China.

June, 2010. Gave an invited paper at the annual International Permafrost meeting organized by the Russian Academy of Sciences at Moscow State University.

September, 2010. Gave the keynote address for the Young Scientists Conference at Kaliningrad, Baltic Sea, organized by the Russian Geographical Institute and the Russian Academy of Sciences.

September, 2010. Gave an invited paper on the effects of climatic changes on Canadian Arctic and Alpine vegetation at the 12th European ecological Federation meeting in Avila, Spain.

May, 2011. Gave an invited paper at the annual International Permafrost meeting organized by the Russian Academy of Sciences at Moscow State University. Agreed to coauthor a book on Permafrost with Professor Anatoli Bruchkov, Head of the Department of Geocryology at Moscow State University.

June, 2013. Gave an invited paper at the Permafrost mapping conference at Moscow State University.

- September-October, 2013. Took part in permafrost field work with a field team from the Cold and Arid Regions Environmental Engineering Research Institute (CAREERI) on the Zoige Plateau and headwaters of the Yellow River and along the Hexi Corridor. Gave two lectures to the CAREERI professors and also one to students in the Atmospheric Environment Programme at Lanzhou University. Also negotiated with Academician Cheng Guodong to join in the authorship of the book. The latter was intended for a Masters level course for International students to be offered in Moscow, Calgary or Lanzhou (or all of these). It will be published in English, Chinese and Russian.
2014. Discussed progress on the book on Permafrost after an invited visit to give a lecture at Moscow State University. Invited Academician Cheng Guodong to join forces in writing the book and adding Chinese examples.
2017. Book accepted for publication by CRC Press. It was judged as being one of the top three books for the 2018 Prose award by the American Association of book Publishers.

PUBLICATIONS

1. *Soil Survey and Land Classification Report, Nahrwan, Adhaim, and Ishaqi Areas, Zad Irrigation Projects, Iraq*, Hunting Technical Services Ltd., England, 1956 (with R. Smith and others).
2. *Soil Survey and Land Classification Report, Lower Diyala Areas, Zad Irrigation Projects, Iraq*, Hunting Technical Services Ltd., England, 1957 (with R. Smith and others).
3. "A Note on Canal and Marsh Stratigraphy near Zubediya" (with R.M. Adams), *Sumer*, vol. 13, 1957, pp. 157-163.
4. "Mechanical Constitution of Certain Present-Day Egyptian Dune Sands", *Journal of Sedimentary Petrology*, vol. 27, 1957, pp. 421-434.
5. *Soil Survey and Land Classification Report, Kirkuk Area, Zad Irrigation Project, Iraq*, Hunting Technical Services Ltd., England, 1958 (with R. Smith and others).
6. "Probability Curves and the Recognition of Adjustment to Depositional Environment", *Journal of Sedimentary Petrology*, vol. 28, 1958, pp. 51-163.
7. "Differentiation of Various Egyptian Aeolian Micro-Environments by Mechanical Composition", *Journal of Sedimentary Petrology*, vol. 28, 1958, pp. 164-194.
8. "The Gilgaied and Bad Structured Soils of Central Iraq", *Journal of Soil Science*, vol. 9, 1958, pp. 169-190.
9. "The Classification of Gilgaied Soils: Some Evidence from Northern Iraq", *Journal of Soil Science*, vol. 10, 1959, pp. 27-33.
10. "The Mechanical Composition of Some Intertidal Sands", *Journal of Sedimentary Petrology*, vol. 29, 1959, pp. 412-424.
11. "The Distribution of Certain Plant Species in Similar Desert and Steppe Soils of Central and Northern Iraq", *Journal of Ecology*, vol. 48, 1960, pp. 97-105.
12. "Saline Soils of the Kirkuk Plain, Northern Iraq", *Journal of Soil Science*, vol. 11, 1960, pp. 114-130.
13. "A New Genetic Classification of the Major World Soil Groups", *Proc. 7th International Congress Soil Science*, Madison, Wisconsin, Commission V, vol. 20, 1960, pp. 138-151.
14. *Report on a Detailed Soil Survey of the Tapakuma Project, Essequibo Coast, British Guiana*, Department of Agriculture, Georgetown, British Guiana, 1961.

15. *Further Recommendations for the Agricultural Use of the Tapakuma Project, British Guiana*, Department of Agriculture, Georgetown, British Guiana, 1961.
16. *Semi-Detailed Reconnaissance Survey, Wauna Project, Northwest District, British Guiana*, Department of Agriculture, Georgetown, British Guiana, 1961.
17. "Soluble Aluminium in Plants and Soils", *Nature*, vol. 189, 1961, pp.513-514.
18. "On the Land Snails of Iraq and Their Potential Use in Determining Past Climatic Conditions", *Sumer*, vol. 17,1962, pp. 107-112.
19. "Weathering Units and Weathering Catenas", *Proceedings of the Geologists Association*, London, vol. 74, 1963, pp. 441-443.
20. "Aluminium in Soils and Plants on the Coastlands of British Guiana", *Journal of the Science of Food & Agriculture*, vol. 14, 1963, pp.259-263.
21. "On the Classification of Latosols and Tropical Brown Earths of High-Rainfall Areas", *Soil Science*, vol. 96, 1963, pp. 210-216.
22. "Seasonal Density Changes in the Alluvial Soils of Iraq", *Transactions of the 8th International Congress of Soil Science*, Bucharest, Commission I, 1964, pp. 20-21.
23. "The St. Catherine's Terrace: A New Lacustrine Standstill stage in the Evolution of Lake Ontario", *Professional Geographer*, vol. 16, 1964, vol. 2, pp. 291-303.
24. "Ecology of the Freshwater Mollusca of Iraq", *Canadian Journal of Zoology*, vol. 43, 1965, pp. 509-526.
25. "Areal Distribution of the Various Combinations of Quaternary Climates", *Cahiers de Géographie*, vol. 21, 1967,pp. 55-62.
26. "Origin of Part of the Guelph Drumlin Field and the Galt and Paris Moraines", *The Canadian Geographer*, vol. 11, 1967, pp. 16-34.
27. "Ice-Age Meteorology", with Rhodes Fairbridge, *The Encyclopedia of Atmospheric Sciences and Astrogeology*, Reinhold Pub. Co., 1967, pp. 454-462.
28. "Till Fabrics and Speed of Movement of the Arapahoe Glacier, Colorado", *Professional Geographer*, vol. 20, 1968, pp. 195-198.
29. "Comments on the Validity of the Law of Soil Zonality", *Transactions of the 9th International. Congress of Soil Sci.*, vol. IV, 1968, pp. 585-593.
30. "Isostatic Recovery Near Ice Margins: Some Evidence from Waterloo, Ontario", Trans. Symposium on Arctic Processes and Environments (INQUA), in *The Periglacial*

- Environment*, T. Péwé, Ed., McGill University Press, 1969, pp. 271-283.
31. "The Meaning of Till Fabrics", *Canadian Geographer*, vol. 13, 1969, 317-337; also reprinted in *Geomorphology*, J.G. Nelson and M.J. Chambers, Eds., Methuen and Co., Toronto, 1969, pp. 143-164.
 32. "Index of Structure: Evaluation of a New Method of Determining Aggregate Stability", *Proc. Canadian Association of Geographers*, 1970, Winnipeg, pp. 141-146.
 33. "The Waterloo Kame-Moraine, Ontario, and its Relationship to the Wisconsin Advances of the Erie & Simcoe Ice Lobes", *Zeitschrift für Geomorphologie*, vol. 14, 1970, pp. 487-509.
 34. "Quaternary Vulcanicity in the Talamanca Range of Costa Rica", *Canadian Geographer*, vol. 15, 1971, pp. 141-145.
 35. Review of *The Middle East: A Social Geography* by Stephen H. Longrigg, Aldine Publishing Co., Chicago, 2nd edition, in *The Professional Geographer*. vol. 23, 1971, p. 179-180.
 36. "Preliminary Observations on Downslope Movement of Soil During the Fall at Kananaskis, Alberta", *Abstracts, Geological Society of America Meeting at Calgary*, May 1971.
 37. "Preliminary Observations on Downslope Movement of Soil During the Fall at Kananaskis, in *Proceedings of the Canadian Association of Geographers*, Waterloo, 1971, pp. 199-206.
 38. "Preliminary Observations on Downslope Movement of Soil During the Fall in the Chinook Belt of Alberta", in *Research Methods in Pleistocene Geomorphology*, Proceedings of 2nd Guelph Symposium on Geomorphology, Eiju Yatsu and Allan Falconer (eds.), 1971, pp. 275-285.
 39. "The Major Soil Zones of Costa Rica" (with A. Neumann & P.A.D. Stouse Jr.), *Soil Science*, vol. 112, 1971, pp. 439-447.
 40. "Index of Structure: Evaluation of a Modified Method of Determining Aggregate Stability", *Geoderma*, vol. 6, 1971, pp. 155-162.
 41. "Podsol Development on Volcanic Ash Deposits in the Talamanca Range, Costa Rica". In *Origin, Nature and Dating of Paleosols*, D.H. Yaalon, Ed., 1971. International Society of Soil Science, Amsterdam, pp. 191-209.
 42. *Principales Zonas de Suelos de Costa Rica* (with R. Jaramillo, A.M. Neumann, and P.A.D. Stouse Jr.). Translated by A. Alvarado H., Facultad de Agronomía, Universidad de

Turrialba, Costa Rica.

43. "The Nature and Use of Till Fabrics", in *Proceedings of the Second Guelph Conference on Geomorphology*, A. Falconer, Ed., Guelph, 1972.
44. "Three Modifications to Produce More Accurate Measurements of Snowfall and Evapo-transpiration", *Canadian Geographer*, vol. 15, 1972, pp. 272, pp. 271-277.
45. "Glacial History of the Bow River and Red Deer River Areas and Adjacent Foothills" (with A.N. Boydell). In *Mountain Geomorphology*, O. Slaymaker and H.J. McPherson, Eds., 1972, pp. 47-53.
46. "Molluscs as Indicators of Late- and Post-Glacial History in Alberta" (with E. Pip). *Canadian Journal of Zoology*, vol. 51, 1973, pp., 209-215.
47. "Comments on the Application of the Holdridge System for Classification of World Life Zones as Applied to Costa Rica", *Arctic & Alpine Research*, vol. 5, 1973, pp. A187-192.
48. "Studies of Soil Creep, Western Alberta, 1970-72", *Arctic & Alpine Research*, vol. 5, 1973, pp. A171-180.
49. "*Pisidium henslowanum* (Sheppard) in Western Canada", *Nautilus*, vol. 87, 1973, pp. 86-87.
50. "Three Modifications to Produce More Accurate Measurements of Snowfall and Evapo-transpiration: A Reply", *Canadian Geographer*, vol. 17, 1973, pp. 282-287.
51. "*Report on the Surficial Deposits and Soils of the Lake Louise-Eisenhower Junction Area*", report to Parks Canada, Western Regional Headquarters, Calgary, 160 p. (with R. Hawes, P. Durrant, and A. Poole). Contract FAR 38-73, 1973.
52. "Pleistocene Glacial Lake Sequences in the Foothills, Southwestern Alberta, Canada (with N.F. Alley), *Canadian Journal of Earth Sciences*, vol. 11, 1974, pp. 1220-1235.
53. "Annual Soil Moisture Regimes in the Rooting Zone Across the Prairie-Forest Boundary of South-West Alberta", *Journal of Soil Science*, vol. 25, 1974, pp. 448-460.
54. "Petrology and Origin of Stratified Scree in New Zealand", *Quaternary Research*, vol. 5, 1975, pp. 199-214.
55. "Nature and Origin of Stratified Scree in New Zealand", in C.A.G. '75 Programme, *Annual Meeting of the Canadian Association of Geographers*, 1975, Vancouver, pp. 83-85.
56. "The Chateau Lake Louise Glacial Event in Banff National Park" (with J.D. Howell). In *Programmes et Résumés: Annual Meeting of the Canadian Association of Geographers*,

- 1976, Laval, pp. 49-52.
57. “*Vermilion Pass Fire Study: The First Seven Years*”. Report to Parks Canada, Western Regional Headquarters, Calgary, 1976. 176 p.
 58. “Late Quaternary History of Southwest Alberta: A Progress Report” (with R.R. Waters). *Bulletin of Canadian Petroleum Geology*, 1977, pp. 35-62.
 59. “Chateau Lake Louise Moraines - Evidence from a New Holocene Glacial Event in Southwest Alberta” (with J.D. Howell). *Bulletin of Canadian Petroleum Geology*, vol. 25, 1977, pp. 441-445.
 60. “Chateau Lake Louise Moraines - Evidence from a New Holocene Glacial Event in Southwest Alberta: A Reply” (with J.D. Howell). *Bulletin of Canadian Petroleum Geology*, vol. 26, 1978, pp. 403-407.
 61. “Soil-Forming Factors in the Rocky Mountains of Southwestern Alberta, Canada” (with J.D. Howell), *Arctic and Alpine Research*, 1978, pp. 313-324.
 62. “Vertical Zonation of Land Snails in the Iraqi Slopes of the Persian Mountains and in the Rocky Mountains of Alberta, Canada”, *Arctic and Alpine Research*, vol. 10, 1978, pp. 457-463.
 63. “Plateau Mountain: A Case Study of Alpine Permafrost in the Canadian Rocky Mountains” (with R.J.E. Brown). *Proceedings of the Third International Conference on Permafrost*, Edmonton, Alberta, vol. 1, 1978, pp. 385-391.
 64. “Ice Caves and Permafrost Zones in Southwest Alberta”, *Erdkunde*, vol. 33, 1979, pp. 61-70.
 65. “Distribution of Active Glaciers and Rock Glaciers Compared to the Distribution of Permafrost Landforms, Based on Freezing and Thawing Indices”, *Canadian Journal of Earth Sciences*, vol. 18, 1980, pp. 376-381.
 - 66 and 66a. “Climatic Relationships of Permafrost Zones in Areas of Low Winter Snow Cover”, *Arctic*, vol. 34, 1981, pp. 64-70. Also in *Erdkunde*, vol. 35, 1981, pp. 81-90.
 67. “Climatic Relationships of Permafrost Zones in Areas of Low Winter Snow Cover”, *Biuletyn Peryglacjalny*, vol. 28, 1981, pp. 227-240.
 68. “*Description and Evaluation of the Terrain Components on the East Side of the Slims River Valley, Kluane National Park*”. Report for Prairie Region, Parks Canada, September 1981, 42 p.
 69. “Permafrost Distribution Along the Rocky Mountains in Alberta” (with the late R.J.E. Brown). 1982. The Roger J.E. Brown Memorial Volume, *{Proceedings of the 4th*

- Canadian Permafrost Conference, Calgary, Alberta*, H.M.French, Ed. National Research Council, Ottawa, pp. 59-67.
70. "Identification of Permafrost Zones Using Selected Periglacial Landforms", 1982. The Roger J.E. Brown Memorial Volume, *Proceedings of the 4th Canadian Permafrost Conference, Calgary, Alberta*, H.M. French, Ed. National Research Council, Ottawa, pp. 49-58.
 71. "Distribution of the Species of the genus *Oxyloma* (Succinidae) in Southern Canada and the adjacent portions of the United States" (with L. Hubricht). *Canadian Journal of Zoology*, vol. 60, 1982, pp. 1607-1611.
 72. "Distribution of Zonal Permafrost Landforms With Freezing and Thawing Indices", *Biuletyn Peryglacjalny*, vol. 29, pp. 163-182.
 73. "Distribution of Zonal Permafrost Landforms With Freezing and Thawing Indices", *Erdkunde*, vol. 35, pp. 81-90.
 74. "Cold Air Drainage West of Fort Nelson, British Columbia", *Arctic*, vol. 35, 1982, pp. 537-541.
 75. "Infilled Fissures in Loess, Banks Peninsula, New Zealand", *Polarforschung*, vol. 53, 1983, pp. 49-58.
 76. "Comparison of the Climatic and Geomorphic Methods of Predicting Permafrost Distribution in Western Yukon Territory", *Proceedings of the Fourth International Conference on Permafrost*, Fairbanks, Alaska, 1983. National Academy Press, Washington, pp. 450-455.
 77. Chapter II, "The Klondike and Dawson City"; Chapter III, "The Dempster Highway - Dawson to Eagle Plain"; and Chapter IV, "The Dempster Highway - Eagle Plain to Inuvik". In *Guidebook Field Trip No. B-3: Northern Yukon Territory and Mackenzie Delta*. H.M. French and J.A. Heginbottom, Eds. International Geographical Union, Commission on the Significance of Periglacial Phenomena, and the Fourth International Conference on Permafrost, Fairbanks, Alaska, U.S.A., July 1983 (with others).
 78. "Palaeoecology and Palaeogeography Near Cochrane, Alberta, Canada, Just After the Last Major High Stand of Glacial Lake Calgary", *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol. 41, 1983, pp. 175-192.
 79. "Isotope Geochemistry of Stratified Lake 'A', Ellesmere Island, N.W.T., Canada", (with M.O. Jeffries, H.R. Krouse and M.A. Shakur). *Canadian Journal of Earth Sciences*, vol. 21, 1984, pp. 1008-1017.

80. "Canada: How Many Glaciations?" *Canadian Geographer*, vol. 28, pp. 205-225 (with D. Ford, *et al.*).
81. "Evidence for the Nature of the Early Holocene Climate and Paleogeography, High Plains, Alberta, Canada", *Arctic and Alpine Research*, vol. 17, 1985, pp. 49-67.
82. "Permafrost", in *The Canadian Encyclopedia*, vol. 3, 1985, p. 1386.
83. Isotope Geochemistry of Stratified Lake 'A', Ellesmere Island, N.W.T., Canada: Reply", *Canadian Journal of Earth Sciences*, vol. 22, 1985, pp. 648-649.
84. *The Permafrost Environment*. Croom Helm, London and Sydney, 1986, 176 p.
85. "Permafrost Distribution, Zonation, and Stability Along the Eastern Ranges of the Cordillera of North America", *Arctic*, vol. 39, 1986, pp. 29-38.
86. "Distribution and Zonation of Permafrost Along the Eastern Ranges of the Cordillera of North America", *Biuletyn Peryglacjalny*, vol. 31, 1986, pp. 107-118.
87. "Evidence for a Former Major Lake at the Foot of the Zagros Mountains, Iraq", in *Internationales Symposium über Tibet und Hochasien*. M. Kuhle, Ed. Gottinger Geographische Abhandlungen, vol. 81, 1986, pp. 59-79.
88. "Reply to Comments on: 'Palaeoecology and Palaeogeography Near Cochrane, Alberta, Just After the Last Major High Stand of Glacial Lake Calgary'", (with B. Ciccone) *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol. 55, 1986, pp. 87-94.
89. "Permafrost Identification, Prediction and Thermal Stability, and the Present-day Trends in Ground Temperature Changes", in *Proceedings of the Meeting on Northern Climate*, Yellowknife Canadian Climate Centre, Atmospheric Environment Service, EC and Northern Affairs Program, DIAND, 1987, pp. 24-38.
90. "Altitude Trends in Permafrost Active Layer Thickness, Kluane Lake, Yukon Territory", *Arctic*, vol. 40, 1987, pp. 179-183.
91. "Effects of Climatic Change on Northern Permafrost", *Northern Perspectives*, vol. 15, #5, 1987, pp. 7-9.
92. "Influence of Organic (O_f) Layer Thickness on Active-Layer Thickness at Two Sites in the Western Canadian Arctic and Subarctic", *Erdkunde*, vol. 41, 1987, pp. 275-285.
93. "Early Holocene Climate and Palaeogeography, High Plains, Alberta", in *Man and the Mid-Holocene Climatic Optimum*. N.A. McKinnon & G.S.L. Stuart, Eds. *Proceedings of the 17th Annual Chacmool Conference, Calgary, 1984*. University of Calgary Archaeological Association, 1987, pp. 33-51.

94. “*Glossary of Permafrost and Related Ground Ice Terms*” (with H.M. French, J.A. Heginbottom, G.H. Johnston, B. Ladanyi, D.C. Segó, and R.O. van Everdingen). National Research Council of Canada, Associate Committee on Geotechnical Research, Permafrost Sub-Committee, Ottawa, 1987. Technical Report #142, 154 p.
95. “*La terminologie du pergélisol et notions connexes*” (with H.M. French), J.A. Heginbottom, G.H. Johnston, B. Ladanyi, D.C. Segó and R.O. van Everdingen. Traduit par: M. Verge et L. La Brie. National Research Council Canada, Associate Committee on Geotechnical Research, 1987. Technical Report #142, 154 p.
96. “The Alpine Periglacial Zone”, In *Advances in Periglacial Geomorphology*, M. J. Clark, Ed. J. Wiley & Sons, Ltd. Chichester, Chapter 15, 1988, pp. 369-413.
97. “Observations on the redistribution of moisture in the Active Layer and Permafrost”. *Proceedings of the 5th International Conference on Permafrost, Trondheim, Norway*. Tapir Press, Trondheim, vol. 1, 1988, pp. 364-369.
98. “Observations on an Active Lobate Rock Glacier, Slims River Valley, St. Elias Range, Canada” (with W. Blumstengel). *Proceedings of the 5th International Conference on Permafrost, Trondheim, Norway*. Tapir Press, Trondheim, vol. 1, 1988, pp. 689-694.
99. “Retgressive Slumps, Debris Flows and River Valley Development in icy, unconsolidated sediments on hills and mountains” (with C. A. Gustafson). *Zeitschrift für Geomorphologie*, vol. 32, 1988, pp. 441-455.
100. “Landforms and Ground Ice as evidence of the source of H₂O in Permafrost”. *Progress in Physical Geography*, vol. 13, 1989, pp. 367-390.
101. “Continental Index: Its uses and limitations when applied to Permafrost in the Canadian Cordillera”. *Journal of Physical Geography*, vol. 10, 1989, pp. 268-282.
102. “Chronostratigraphy of glaciations and permafrost in the Cordillera of Western North America”. In: *Geocruology of the Americas. Project #297*. First Meeting, Mendoza, Argentina. Abstracts and Reports, 1989. Centro Regional de Investigaciones Cientificas y Tecnológicas Mendoza, pp. 83-84.
103. “Origin of Permafrost Landforms as indicated by the associated Ground Ice” [In Chinese}. *Proceedings of the 4th Chinese Permafrost Conference*, Academia Sinica, Lanzhou, 1989, pp. 57-62.
104. “Dynamics and Origin of the Saline Soils on the Slims River Delta, Kluane National Park, Yukon Territory”. *Arctic*, vol. 43, 1990, pp. 159-175.
105. “Long-Term Air and Ground Temperature Records from the Canadian Cordillera”.

- Proceedings of the 5th Canadian Permafrost Conference.* National Research Council of Canada. University of Laval, Collection Nordicana #54, 1990, pp. 151-157.
106. "The Geology and Climate of Plateau Mountain." *Pica*, vol. 10, 1990, pp. 3-12.
 107. "Vascular Plant Checklist - Plateau Mountain". *Pica*, vol. 11, 1991, pp. 14-22.
 108. "An Assessment of the Environmental Hazards at the Sheep Mountain Kiosk, Kluane National Park" (with G. McDermid). *Contract Report to Parks Canada, 1991, 101p.*
 109. "Status Report on the Yukon Aster, *Aster yukonensis*, a rare species in Canada, endemic to isolated places in the Yukon Territory, the Northwest Territories, and Alaska", Contract Report for the Committee on the Status of Endangered Wildlife in Canada, 1992, 36p.
 110. "Status Report on the Narrow-Leaved Wallflower, *Erysimum angustatum*". Contract Report for the Committee on the Status of Endangered Wildlife in Canada. 1992. 36p.
 111. "Interactions and relations between Mountain Permafrost, Glaciers, Snow and Water" (with A. E. Corte). *Permafrost and Periglacial Processes*, vol. 3, 1992, pp. 103-110.
 112. "Palsa Formation in Floating Peat and Related Vegetation Cover as Illustrated by a Fen Bog in the MacMillan Pass, Yukon Territory, Canada" (with D. Nyrose). *Geografiska Annaler*, vol. 74A, 1992, pp. 349-362.
 113. "Hydrogen and Oxygen Isotopes and the Origin of the Ice in Per Plateaus" (with I. H. Schmidt and H. R. Krouse). *Permafrost and Periglacial Processes*, vol. 3, 1992, pp. 19-27.
 114. "A Guide to the Permafrost and Environment on the Qinghai-Xizang Plateau" (with Gou Donxin, Zhao Xinfeng, Wang Bolai, and Ding Yonqing). 6th International Conference on Permafrost, 1993. 56p.
 115. "Palsa-like Mounds in a Mineral Substrate, Fox Lake, Yukon Territory". *Proceedings, 6th International Conference on Permafrost, Beijing, China*, Vol. 1, 1993, pp. 238-243.
 116. "Status Report on *Haplopappus macleanii*". Contract Report to the Committee on the Status of Endangered Wildlife in Canada, 1993, 34 p.
 117. "Mountain Permafrost and Climatic Change." (With W. Haeberli, Cheng Guodong, and A.P. Gorbunov) *Permafrost and Periglacial Processes*, vol. 4, 1993, pp. 165-174.
 118. "Permafrost in the Mountain Ranges of North America" (with J.R. Giardino). *Permafrost, 6th International Conference Proceedings, Beijing, China*, vol. 2, 1993, pp. 1019-1021.

119. “Debris Flow Characteristics in an Area of Continuous Permafrost, St. Elias Range, Yukon Territory” (with C.A. Gustafson), *Zeitschrift für Geomorphologie*, vol.37, 1993, pp. 41-56.
120. “Hydrogen and Oxygen Isotopes and the Origin of the Ice in Peat Plateaus: Reply.” (with N.M. Waters and H.R. Krouse) *Permafrost and Periglacial Processes*, vol. 4,1993, pp. 269-275.
121. “Climatic Zonality of Periglacial Landforms in Mountain Areas.” *Arctic*, vol. 47, 1994, pp. 184-192.
122. “Chronostratigraphy of Glaciations and Permafrost Episodes in the Cordillera of Western North America.” *Progress in Physical Geography*, vol. 18, 1994, pp. 366-395.
123. “Comparison of the Water Drainage From an Active Near-Slope Rock Glacier and a Glacier, St. Elias Mountains, Yukon Territory.” (With W.K. Blumstengel, D. Cook, H.R. Krouse, and G. Whitley). *Erdkunde*, vol. 48, 1994, pp. 81-91.
124. “Permafrost Aggradation and Peat Accumulation Since 1200 Years B.P. in Peat Plateaus at Tuchtua, Yukon Territory, Canada.” (With I.H. Schmidt). *Journal of Paleolimnology*, vol. 12, 1994, pp. 3-17.
125. “Temperature Conditions in Permafrost Areas of the Mountains of Southwestern Alberta and the European Alps.” *Zeitschrift für Geomorphologie*, vol. 39, 1995, pp. 211-235.
126. “Comparison of Three Methods of Calculating Air Temperature From Electronic Measurements.” (With J. Pedersen). *Zeitschrift für Geomorphologie*, vol. 39, 1995, pp. 203-210.
127. “Climate-Permafrost Interaction Between 18 ka and 8 ka in Northwestern North America.” *Erdkunde*, vol. 50, 1996, pp. 133-138.
128. “Lower Mean Annual Ground Temperature Beneath a Block Stream in the Kunlun Pass, Qinghai Province, China.” *Proceedings 5th Chinese Permafrost Conference*, Lanzhou, 1996, pp. 227-237.
129. “Status Report on Wood’s Sagebrush, *Artemisia rupestris* ssp. *woodii* in Canada. Contract report to the Committee on Endangered Wildlife in Canada. 1996, 17 p
130. “Canada: Permafrost Map 2.1. National Atlas of Canada, 5th Edition, 1995.” *Review, Cartographia*, vol. 32, No. 3, 1996, pp. 65-66.
131. “The Periglacial Environment of Plateau Mountain: An Overview of Current Periglacial Research.” *Polar Geography*, vol. 21, 1997, pp. 113-136 (with A. Prick).
132. “A relict of Late Quaternary Permafrost on a Former Nunatak at Plateau Mountain, S.W.

- Alberta” [in Russian]. *Earth Cryosphere*, vol. 1, No. 4, 1997, pp. 20-27.
133. “Relict Late Quaternary Permafrost on a Former Nunatak at Plateau Mountain, S.W. Alberta, Canada.” [in English & Polish]. *Biuletyn Peryglacjalny*, vol. 36, 1998, pp. 47-72.
 134. “Thermal Regimes Beneath Coarse Blocky Materials.” *Permafrost & Periglacial Processes*, vol. 9, 1998, pp. 107-120 (with D.E. Petersen).
 135. “Nonsorted Circles on Plateau Mountain, S.W. Alberta, Canada.” *Proceedings of the 7th International Permafrost Conference, Yellowknife*, 1998, pp. 441-448.
 136. “Frequency of Debris Flows on Sheep Mountain Fan, Kluane Lake, Yukon Territory.” *Zeitschrift für Geomorphologie*, N.F., vol. 42, 1998, pp. 157-175 (with Greg McDermid).
 137. “Origin of a Bouldery Diamicton, Kunlun Pass, Qinghai-Xizang Plateau, People’s Republic of China: Gelifluction Deposit or Rock Glacier?” *Earth Surface Processes & Landforms*, vol. 23, 1998, pp. 943-952 (with Cui Zhijiu & Cheng Guodong).
 138. “Nature and Dynamics of an Active Block Stream, Kunlun Pass, Qinghai Province, People’s Republic of China.” *Geografiska Annaler*, vol. 80A, 1998, pp. 122-133 (with Cheng Guodong, Zhao Xiufeng & Yongqin Ding).
 139. “Effects of Vegetation Cover on Soil Heat Flow in the Southern Yukon Territory.” *Erdkunde*, vol. 52, 1998, pp. 265-285.
 140. “A Genetic Classification of the Palsa-like Mounds in Western Canada.” *Biuletyn Peryglacjalny*, vol. 37, 1998, pp. 115-130.
 141. “La signification paleoclimatique des lithalses (palses minerales).” *Biuletyn Peryglacjalny*, vol. 37, 1998, pp. 141-154 (with A. Pissart, A. Prick & B. van Vliet-Lanöe).
 142. “Heat Transfer Processes at the Lower Limit of Alpine Permafrost, Marmot Basin, Jasper National Park, Canada”. *Biuletyn Peryglacjalny*, vol. 38, 1999, pp. 73-93.
 143. “Pliocene and Pleistocene Glaciations and Permafrost Events Proven to Date in the Cordillera of Western North America.” *Earth Cryosphere*, vol. 4(3), pp. 24-43, 2000 [in Russian].
 144. “Heat Transfer Processes at the Lower Limit of Alpine Permafrost, Marmot Basin, Jasper National Park, Canada.” *Biuletyn Peryglacjalny*, 1999, No. 38, pp. 73-93.
 145. “Conditions of Formation of Stratified Scree, Slims River Valley, Yukon Territory: A Possible Analogue With Some Deposits From Belgium.” (With A. Prick). *Earth Surface*

- Processes*, vol. 25, 2000, pp. 463-481.
146. "Modeling Permafrost Distribution in the Canadian Rocky Mountains: A GIS-based Approach." (With C.G. Woudsma and J.F.N. Jensen). *Biuletyn Peryglacjalny*, No. 39, 2000, pp. 83-94.
 147. "Sequence of Glaciations and Permafrost Events." In: *Permafrost Response on Economic Development, Environmental Security and Natural Resources*. R. Paepe and V. Melnikov, Eds., 2001, pp. 1-13.
 148. "Twenty Years of Data on Climate-Permafrost-Active Layer Variations at the lower Limit of Alpine Permafrost, Marmot Basin, Jasper National Park, Canada." *Geografiska Annaler*, vol. 83A, 2001, pp. 1-13.
 149. "Global Heat Budget, Plate Tectonics and Climatic Change." *Geografiska Annaler*, vol. 84A, 2002, pp. 1-9.
 150. "Biodiversity of the Vascular Timberline Flora in the Rocky Mountains of Alberta, Canada." In: *Mountain Biodiversity: a Global Assessment*. Ch. Körner and E.M. Spehn, Eds., Parthenon Publishing, Lancs., 2002, pp. 49-57.
 151. "Causes and Consequences of Rapid Thermokarst Development in Permafrost or Glacial Terrain," *Permafrost and Periglacial Processes*, vol. 13, 2002, pp. 237-242.
 152. "Slope Processes, Mass Transfers of Coarse-grained Materials and Their Morphological and Sedimentological Expression." (With H. van Stejn, J. Boelhouwers, and B. Héту). *Progress in Physical Geography*, vol. 26, 2002, pp. 551-575.
 153. "An Occurrence of the Hawkweed-leaved Saxifrage, *Saxifraga hieracifolia*, in Southern British Columbia, and its Palaeobotanical Implications." *Canadian Field-Naturalist*, vol. 117, 2003, pp. 304-306.
 154. "Source Areas of North Cordilleran Endemic Plants: Evidence from Sheep and Outpost Mountains, Kluane National Park, Yukon Territory." *Erdkunde*, vol. 58, 2004, pp. 62-81.
 155. "A 10-year Record of Stable Isotope Compositions of Hydrogen and Oxygen in Precipitation at Calgary, Alberta, Canada." (With Haidong Peng, B. Mayer, and H.R. Krouse). *Tellus*, vol. 56B, 2004, pp. 147-159.
 156. "New Records of *Cyperaceae* and *Juncaceae* from the Yukon Territory." (With P.W. Ball). *Canadian Field-Naturalist*, vol. 118, 2004, pp. 266-267.
 157. "Thermal History of the Arctic Ocean Environs Adjacent to North America During the Last 3.5 Ma and a Possible Mechanism for the Cause of the Cold Events (Major Glaciations and Permafrost Events)." *Progress in Physical Geography*, vol. 29, 2005, No. 2, pp. 1-19.

158. “Evidence for an Extra Layer in the Active Layer in Certain Warm Permafrost Environments.” *Earth Cryosphere*, vol. 9, No. 4, 2005, pp. 3-12. [in Russian].
159. “Reaction of Continental Mountain Climates to the Postulated “Global Warming”: Evidence from Alaska and the Yukon Territory.” *Proceedings, Earth Cryosphere Assessment: Theory, Applications and Prognosis of Alterations*. International Conference, Russian Academy of Sciences, Tyumen, vol. 1, 2006, pp.49-56.
160. “Active Lag Block Streams in the Chinese Tian Shan.” (With Cheng, G. and Zhijiu, C.). *Abstracts, Asian Conference on Permafrost*, Lanzhou, China, 2006, p. 106.
161. “Comments on Some Fundamental Concepts in Cryology.” Salekhard City, West Siberia. *Russian Academy of Sciences, Proceedings*, vol. 1, 2007, pp. 44-47.
162. “Reaction of Continental Mountain Climates to the Postulated “Global Warming”: Evidence from Alaska and the Yukon Territory.” *Earth Cryosphere*, vol. 11, No. 3, 2007, pp. 78-94 [in Russian].
163. “Biodiversity of the Alpine Vascular Flora of the N.W. North American Cordillera: The Evidence from Phyto-Geography.” *Erdkunde*, vol. 61, No. 4, 2007, p.344-357.
164. “The Influence of Below-cloud Secondary Effects on the Stable Isotope Composition of Hydrogen and Oxygen in Precipitation of Calgary, Alberta, Canada.” (With Haidong Peng, Mayer, B., and Krouse, H.R.). *Tellus*, vol. 59, No. 4, 2007, pp. 698-704.
165. “Diversity of Vascular Plant Species in the Montane Boreal Forest of Western North America in Response to Climatic Changes During the Last 2.5 ka, Fire and Land Use.” *Erdkunde*, vol. 62, No. 1, 2008, pp. 59-73.
166. “Climatic Change and Permafrost Stability in the Eastern Canadian Cordillera.” In: Kane, D.L., and Hinkel, K.M., Eds. *Ninth International Conference on Permafrost, Extended Abstracts*, pp. 93-94.
167. “Climatic Change and Permafrost Stability in the Eastern Canadian Cordillera: The Results of 33 Years of Measurements.” *Sciences in Cold and Arid Regions*, 2009, vol. 1(5), pp.381-404.
168. “Evidence for increased stability of temperatures in areas of mountain permafrost in
169. “Climatic change in Western North America during the last 15,000 years: The role of changes in the relative strengths of air masses in producing the changing climates.” *Sciences in Cold and Arid Regions*, 2010, vol. 2(5), pp. 371-383.
170. “*Global Warming*.” Sciyo, Publishers, Croatia. 2010. 250p.
171. “Greenhouse Gases and their importance to life.” In: “*Global Warming*,” Harris, S. A., Ed.. Sciyo Publishers, Croatia, Chapter 2, pp. 15-22.

172. “The Qinghai-Tibetan Railroad: Innovative Construction on Warm Permafrost in a Low-latitude, High-elevation Region.” In Brunn, S.D., Ed. *Engineering Earth: The Impacts of Megaengineering Projects*. Dordrecht, The Netherlands. Springer Verlag Science & Business Media, 2010. Chapter 39, pp. 747-765.
172. “The Three Gorges Dam: Asset or Liability?” In: Brunn, S.D., Ed. *Engineering Earth: The Impacts of Megaengineering Projects*. Dordrecht, The Netherlands: Springer Verlag Science & Business Media, 2010. Chapter 90, pp. 1569-1581.
173. “Tessellons and “Sand Wedges” on the Qinghai-Tibet Plateau and their Palaeoenvironmental implications,” 2012. In: Hinkel, K., Ed.. *Proceedings of the 10th International Conference on Permafrost, Salekhard, Russia*. Vol. 1, pp. 147-153.
174. “Evidence for increased stability of temperatures in areas of mountain permafrost in interior valleys and closed basins in wide Cordilleras in North America.” In: Cryospheric change and its influences. Programme and Abstracts, Lijiang, China. 2010. pp. 52-54
175. "Tessellons and “sand wedges” on the Qinghai-Tibet Plateau and their palaeoenvironmental implications. In: Hinkel, K., Ed.. *Proceedings of the 10th International Conference on Permafrost, Salekhard*. 2012. Vol. 1, pp. 147-153. (With Huijun Jin).
176. “The role that diastrophism and climatic change have played in determining biodiversity in continental North America.” Chapter 10 in Lameede, G. A., (Ed.). *Biodiversity, conservation and utilization in a diverse world*. 2012. Intechopen.com pp. 233-260. <http://dx.doi.org/10.5772/50286>.
177. “Climatic change: Causal correlations over the last 240 Ma.” *Sciences in Cold and Arid Regions*. 2013, Vol. 5, pp. 259-274.
178. “Environmental and landuse changes in the Tibetan Plateau section of the Upper Yangtze River Basin during the last fifty years.” 2013. Chapter 2 in ” Maloney, T. B. and Hutchins, B. R., Eds.. *Yangtze River: Geography, Pollution and Environmental Implications*. Nova Science Publishers, New York, pp. 35-64.
179. “Permafrost in mountainous regions of Canada.” 2015, *Geo Quebec*. With Gruber, S., Burn, C. R., Arenson, L., Geurtsama, M., Harris, S. A., Smith, S., Bonnaventura, P. & Benkert, B.
180. “Numerical Simulation of formation and preservation of Ningwu Ice Cave, Shanxi, China, by S. Yang & Y. Shi.” *The Cryosphere Discuss*, 9: RC c935. 2015.
181. “Permafrost.” Canadian Encyclopedia, 2nd Edition. 2016.

182. “Identification, characteristics and classification of cryogenic block streams.” *Sciences in Cold and Arid Regions*, 8(3):177-186. 2016.
183. “Evolution of permafrost in Northeast China Since the Late Pleistocene.” *Sciences in Cold and Arid Regions*, 8(4): 269-296. With Jin, H. J., Chang X. L., Luo, D. L., He., R. X., Lü, L. Z., Yang, S. Z., Guo, D. X., & Chan., X. M.
184. “*Geocryology. Characteristics and Use of Frozen Ground and Permafrost Landforms.*” With A. Brouchkov and Cheng Guodong. 2017. Baton Rouge, Florida, CRC Press. 765p.
185. “Probable effects of heat advection on the adjacent environment during oil production at Prudhoe Bay, Alaska.” *Sciences in Cold and Arid Regions*, 8(6): 451-460. 2017.
186. “Very large cryoturbation structures of Last Permafrost Maximum age at the foot of the Qilian Mountains (NE Tibet Plateau, China): A discussion.” *Permafrost and Periglacial Processes*, 28(4): 757-762.2017. With H.J.Jin & R.He.
187. “Tessellons, topography, and glaciations on the Qinghai-Tibet Plateau.” *Sciences in Cold and Arid Regions*, 10(3): 187-206. 2017. With H.J. Jin & R. He.
188. “Evolution of permafrost in China during the last 20 ka.” *Science in China, Series D., Earth Science*, 62: 376-390. 2019. With Jin, H.J, Jin, X.Y., Chang, X.L., Wang, S.L.,Marchenko, S.S., Yang, S.Y., Yi, C.L.
189. “The relationship of sea level to climatic change in Northeast Asia and northern North America during the last 75 ka B.P.” *AIMS Environmental Science*, 6(1): 14-40. 2019.
190. “The subdivision, dynamics, and history of the late Wisconsin Cold Event in Northeast Asia and northern North America during the last 75 ka, B.P.” In: *Proceedings 18th International Conference on Cold Regions Engineering and the 8th Canadian Permafrost Conference, Quebec City, Canada Sciences in Cold and Arid Regions*,18-22nd, 2019. Biladeau, J-T., Nadeau, D. F., Fortier, D. F., & Conciatori, D. Eds. ASCE. 570-578.
191. “Impacts of degrading permafrost on streamflow in the source area of the Yellow River on the Qinghai-Tibet Plateau, China.” *Advances in Climate Change Research*. 2019. With Ma, Q., Jin, H. J., Bense, V. F., Luo, D. L., Marchencho, S. S., & Lan, Y.C.

