

GRAHAM R. DAVIES, Ph.D., P.Geol.

President of

GRAHAM DAVIES GEOLOGICAL CONSULTANTS (GDGC) LTD.

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EDUCATION: University of Western Australia, Perth, Western Australia, B.Sc. (first class honours), 1964; Thesis - Foraminifers of R.V. Horizon*, Core LSD-40 GH, Cockburn Sound, Western Australia.

University of Western Australia, Perth, Western Australia, Ph.D., 1969; Thesis - Recent and Pleistocene carbonate sedimentation in eastern Shark Bay, Western Australia (external examiners: Dr. R.G.C. Bathurst, U. Liverpool; Dr. R. Rezak, Texas A.&M.U.; Dr. L.C. Pray, U. Wisconsin). American Petroleum Institute Project 71B. Thesis published as AAPG Memoir 13. Many text images now as SEPM CD-7 (Cat #94007)

Rice University, Houston, Texas, Postdoctoral Associate (of Dr. James Lee Wilson), 1968-1969.

**Scripps Institution of Oceanography, California*

PROFESSIONAL EXPERIENCE:

1983 - present	President, Graham Davies Geological Consultants (GDGC) Ltd., Calgary.
1984 - 1986	Director, AGAT Technologies Inc.

PROFESSIONAL EXPERIENCE: cont.

- 1982 - 1983 Chairman, Applied Geoscience and Technology (AGAT) Consultants Ltd.,
Calgary, Alberta
- Chairman, AGAT Engineering Ltd., Calgary, Alberta
- 1980 - 1982 President, Applied Geoscience and Technology (AGAT) Consultants Ltd.,
Calgary, Alberta
- Director, AGAT Consultants Inc., Denver, Colorado
- Director, United Petro Laboratories, Calgary, Alberta
- 1977 - 1980 Vice-President and Technical Manager, AGAT Consultants Ltd., Calgary,
Alberta.
- Co-founder (named the company) of AGAT (Applied Geoscience and
Technology) Consultants in Calgary, with two other geologists (Cliff James and
Bob Maiklem) and corporate partner (Geochem Labs, Houston). Responsible for
technical management and development of geological consulting company
specializing in reservoir quality of sandstone and carbonate oil and gas reservoirs.
First independent consulting group in Canada to acquire scanning electron
microscope for geological engineering application (Feb., 1978). Co-ordinator,
regional projects in Northwest Territories and Alberta, combining facies, reservoir
and geochemical programs. Author/co-author of numerous proprietary consulting
reports through 1977 to 1982. Developed various courses for geologists and
engineers.
- 1971 - 1976 Geologist, Research Scientist, Institute of Sedimentary and Petroleum Geology,
Geological Survey of Canada, Calgary.
- Responsible for stratigraphic and sedimentologic evaluation of upper Paleozoic
section in Canadian Arctic Archipelago, including field program on Ellesmere
Island. Included involvement in Basin Analysis and Hydrocarbon Inventory
programs of GSC. Co-ordinator for western Canada of GSC - Atomic Energy
Canada project on inventory of evaporite deposits for nuclear waste storage.
Research work focused on carbonates and evaporites, with emphasis on pre- and
post-burial diagenesis in carbonates.
- 1970 - 1971 National Research Council Fellow, Institute of Sedimentary and Petroleum
Geology, (Geological Survey of Canada), Calgary. Main focus: sedimentology
and diagenesis of Middle Devonian carbonates and evaporites, subsurface of
north- central Alberta.
- 1969 Consulting Geologist, Houston, Texas; sulphur mineralization in Permian
carbonates, subsurface of west Texas.

PROFESSIONAL EXPERIENCE: cont.

- 1968 Postdoctoral Associate, Rice University, Houston, Texas; field work on Pennsylvanian and Permian shelf cyclothems, Sacramento Mountains, New Mexico.
- Summer, 1963 Geological Assistant, West Australian Petroleum Corporation (WAPET), Western Australia; stratigraphic drilling programme.
- Summer, 1962 Geological Assistant, Western Mining Corporation, Western Australia; field mapping of Proterozoic iron ore bodies.
- Summer, 1961 Geological Assistant, Utah Development Corporation, Western Australia; geochemical survey for phosphate in core.
- 1959 - 1962 Secondary-School Teacher, full-time and part-time, Western Australia.
- 1956 - 1958 Australian Army, National Service Training, full-time and part-time.

FIELD EXPERIENCE:

Field experience in Western Australia, New Mexico, Texas, Alberta, British Columbia, Yukon Territory, Northwest Territories, Canadian Arctic Archipelago.

SUBSURFACE EXPERIENCE:

Western Australia, west Texas, eastern USA, upstate New York, North Dakota Alberta, British Columbia, Saskatchewan, Northwest Territories, Arctic Archipelago, Canadian offshore east coast, Alaska (Prudhoe Bay), west Africa, Jordan, Pakistan, Thailand.

MAJOR CORPORATE ACTIVITIES:

Consulting services to Canadian petroleum industry with emphasis on facies, depositional models and reservoir characteristics of both sandstone and carbonate units. International geological projects in conjunction with geophysicists, petroleum engineers and geochemists. Regional projects on stratigraphic and facies interpretation of carbonate and sandstone reservoirs in western Canada.

Description and interpretation of facies, depositional environments and reservoir characteristics of carbonate and sandstone cores. Detailed field studies of carbonate and sandstone reservoirs. Petrographic analysis and reservoir characterization of sandstone and carbonate units based on thin-section microscopic and SEM applications. Presentation of training and refresher courses for engineers and geologists.

PETROLEUM INDUSTRY CONSULTING REPORTS (PROPRIETARY):

Since 1977, author or co-author of over 650 proprietary reports on reservoir quality of sandstone and carbonate reservoirs, lithofacies of carbonate reefs and stratiform reservoirs, and regional stratigraphic studies for more than 380 exploration companies and government agencies in Canada, the United States, Australia, Norway, west Africa and Jordan. Projects outside mainland Canada include multiple reports on the Hibernia and Venture oilfields of offshore eastern Canada, interpretation of the upper Paleozoic section in wells drilled by Panarctic and partners in the Arctic Archipelago, geology and reservoir quality of the Shublik in the Prudhoe Bay oilfield of Alaska, petroleum geology and tectonics of offshore Ghana, and reservoir geology of Ordovician sandstones in eastern Jordan. Designer and/or co-ordinator/co-author of multiclient regional studies (see following list) on the Cambrian to Cretaceous section in the Northwest Territories, the Lower Mannville and Mississippian of Alberta, Mississippian, Devonian and Upper Triassic of northeastern British Columbia, Lower Triassic Montney of west-central Alberta, and Mannville oil sands of east-central Alberta and west-central Saskatchewan, Mannville reservoirs of south-western and central Alberta, and hydrothermal dolomite reservoir facies in Canada, USA, and internationally. In conjunction with Canadian Discovery, responsible for geological component of multi-client reports on Beaverhill Lake sandstones in west-central Alberta, Bakken Formation of southeastern Saskatchewan and North Dakota, and Montney Formation of western Alberta and NE British Columbia.

MAJOR MULTI-CLIENT INDUSTRY REPORTS

In addition to proprietary consulting reports to individual companies, author or principal author of fifteen (15) non-exclusive (regional) multi-client reports, (14 current). Collectively, these 14 reports include 2803 text pages, 1845 text figures, 291 maps, 264 cross-sections, and 1524 core descriptions. In addition, GDGC produced maps, sections and core graphics for the Lower Cretaceous Mannville Phase 1 and Phase 2 reports conducted by Lorne Rosenthal of Mannville Group Inc.

The 14 multi-client reports still available are (in order of completion, oldest first):

Mississippian Debolt Report, Phase 1 northern B.C.: 1990; in association with A.Hamid Majid; 118p, 16 text figs, 28 maps, 13 cross-sections, 88 core descriptions

Upper Triassic Baldonnel-Pardonet Report, Phase 1, northeastern B.C., 1991; in association with A. Hamid Majid; 160p, 35 text figs, 14 maps, 12 cross-sections, 80 core descriptions.

Mississippian Debolt Report, Phase 2, northeastern B.C.: 1991; in association with A.Hamid Majid; 57 pages, 9 text figures, 17 maps, 13 cross-sections, 14 core descriptions.

Upper Triassic Baldonnel-Pardonet Report, Phase 2, northeastern B.C.: 1992; in association with A. Hamid Majid; 105 pages, 18 text figures, 13 maps, 10 cross-sections, 55 core descriptions.

MAJOR MULTI-CLIENT INDUSTRY REPORTS: cont.

Mississippian Turner Valley-Mt. Head Report, southwestern Alberta: 1994; in association with R.W. MacDonald; 203 pages, 81 text figures, 34 maps, 20 cross-sections, 66 core descriptions.

Lower Triassic Montney Report, Phase 1, west-central Alberta: 1994/5; in association with T. Moslow and M. Sherwin; 221 pages, 57 text figures, 20 maps, 13 cross-sections, 59 core descriptions.

Lower Triassic Montney Report, Phase 2, west-central Alberta: 1995; in association with T. Moslow and M. Sherwin; 234 pages, 123 text figures, 15 maps, 13 cross-sections, 35 core descriptions.

Lower Triassic Montney Report, Phase 3, west-central Alberta: 1995; in association with M. Sherwin; 200 pages, 192 text figures, 20 maps, 26 cross-sections, 117 core descriptions.

Lower Triassic Montney Report, Phase 4, west-central Alberta: 1996; in association with M. Sherwin; 217 pages, 75 text figures, 16 maps, 15 cross-sections, 117 core descriptions.

Triassic Montney-Worsley Subcrop Edge Report, Phase 5, Alberta: 1997; in association with M. Sherwin; 224 pages, 114 text figures, 19 maps, 11 cross-sections, 91 core descriptions.

Lower Cretaceous Mannville Heavy Oil Report, eastern Alberta, western Sask.: 1997; in association with G. Shea, W. MacCallum and others; 169 pages, 127 text figures, 10 maps, 67 cross-sections, 60 core descriptions.

Triassic Montney-Worsley Report, Phase 6, west Alberta, NE B.C.: 1998; in association with M. Sherwin; 228 pages, 144 text figures, 17 maps, 15 cross-sections, 98 core descriptions.

Middle to Upper Triassic Baldonnel-Charlie Lake Report, N.E. B.C.: 2001; in association with S.W. Donaldson; 151 pages, 182 text figures, 43 maps, 28 cross-sections, 164 core descriptions.

Hydrothermal (Thermobaric) Dolomite Reservoir Facies Global and Western Canadian Perspectives, 2001; 549 pages, 508 text figures, selected posters, maps, 480 core descriptions.

Mississippian Banff-Pekisko Report, west-central Alberta, 2004; 125 pages, 199 text figures, 34 maps, 20 cross-sections, 80 core descriptions.

INDUSTRY COURSES:

Since 1980, co-presenter with Dr. Michael D. Wilson (Denver, Colorado) of "Geology for Engineers" training course in Calgary on contract to the Petroleum Society of Canada (formerly, Petroleum Engineering Society of CIM) twice yearly. Now a five-day course, it includes an AEUB core seminar and a Rocky Mountain field trip. Similar courses also presented in-house to exploration companies in Canada, and to national resource companies in the Philippines.

Presentation of Short Course "Triassic reservoir facies and exploration trends, Western Canada Sedimentary Basin," with Tom Moslow (then U. Alberta/ Ulster Petroleum) for AAPG-GSPG Joint Convention, June 1992, CSPG "Pangea" Conference, August, 1993, and CSPG-CWLS Convention in 1995. Principal speaker, CSPG "Advantage" Program course on "Triassic of WCSB", March-April, 1996. In-house courses on "Hydrothermal Dolomite-WCSB and Global Perspectives" to exploration companies in western Canada, 1993, 1994, and 1995. Presenter of CSPG Short-Course on "Hydrothermal Dolomite Reservoirs", CSPG Annual Convention, June, 1996, and at CSPG-SEPM Joint Convention, Calgary, 1997. Co-presenter (with Zeev Berger) of CSPG Continuing Education Course "Tectonic control on hydrothermal dolomite reservoir trends in the Western Canada Basin", 1999. Presenter of 'Hydrothermal Dolomite Reservoir Facies' course to Eastern Section of AAPG in London, Ontario, 2000. Presenter (with Taury Smith) of short course in 'Structurally-controlled hydrothermally altered carbonate reservoirs' to Eastern Section of AAPG in Buffalo, New York, 2006 (co-sponsored by PTTC: US DOE Petroleum Technology Transfer Council).

STRATIGRAPHIC CHART OF ALBERTA:

Designer of original AGAT Laboratories Stratigraphic Chart of Alberta, widely displayed/used throughout industry either in original or modified form.

SEPM PHOTO CD CONTRIBUTIONS:

Contributor (61 images and descriptions) to carbonate sedimentation, Shark Bay, Western Australia), in P.A. Scholle and N.P. James, edits., 1996, Arid and semi-arid carbonate/evaporite systems: Part 2 - marginal marine to non-marine settings. Society for Sedimentary Geology, Photo CD-7 (SEPM Cat. #94007).

Contributor (20 images and descriptions) to Permo-Carboniferous carbonates of Canadian Arctic Archipelago, in P.A. Scholle and N.P. James, edits, 1999, Late Carboniferous to Permian carbonates, evaporites and associated rocks. Society for Sedimentary Geology, Photo CD-17.

CSPG LUNCHEON PRESENTATIONS:

- 1971 Middle Devonian evaporite and carbonate laminites, western Canada (Received Honorable Mention, CSPG Link Award Committee; same presentation awarded Outstanding Paper at Geological Society of America Section Meeting, and re-presented by invitation to GSA Annual Convention, Washington, D.C.).
- 1972 Upper Paleozoic subaqueous evaporites, Canadian Arctic Archipelago.
- 1977 Early submarine to late-burial diagenesis of Paleozoic carbonate rocks, Arctic Archipelago.

- 1987 Geology and reservoir characteristics of Waulsortian reefs in the Seal area of Alberta (with D.E. Edwards and P. Flach; received Honorable Mention, Link Award Committee, 1988).
- 1995 Paleoenvironment, depositional processes, etc. of Lower Triassic Montney Formation, Peace River area, Alberta (with T.F. Moslow, M.D. Sherwin).
- 2007 Structurally-controlled carbonate diagenesis: hydrothermal dolomite and leached limestone reservoirs

PUBLICATION SUMMARY:

Seventy-seven (77) technical publications (refereed and non-refereed) and fifty-seven (57) abstracts on carbonates, evaporites, sandstones and sedimentary geology of Australia, North America and west Africa (see attached list).

PRESENTATIONS:

Presented papers throughout the United States and Canada at AAPG, SEPM and CSPG conventions and meetings (see Abstracts); two lecture tours to Universities and Geological Surveys through Canada and the United States (early 1970's); by invitation to first AAPG research conference (burial diagenesis in carbonates). Received various awards for presentations including Outstanding Paper at GSA Meeting, 1971, and inaugural A.D. Baillie Award of the CSPG, 1993. Keynote speaker, Hydrothermal Dolomites RMAG/SEPM, Colorado School of Mines, Golden Colorado, 2004. CSPG 'Outreach' tour of eastern Canadian universities, 2005. Session introduction paper, GEO2006 Conference, Bahrain, 2006. Keynote speaker, GAC Quebec City, 2008.

HEATON LECTURE, ROYAL TYRRELL MUSEUM, 1994:

Invited speaker on "Devonian Reefs" for Heaton Lecture Series at Royal Tyrrell Museum, Drumheller, Alberta, on occasion of official opening of Museum's Devonian reef exhibit, June, 1994.

NSERC-INDUSTRY R&D PROJECTS:

GDGC Ltd. has met the financial and technical requirements of the National Science and Engineering Research Council of Canada (NSERC-INDUSTRY RandD projects) for approval to participate in the Industrial Fellowships program.

QUEST FOUNDATION RESEARCH GRANT

Recipient 2005-2009 of grant from Quest Foundation for research on hydrothermal dolomite, with emphasis on temperature implications, tectonic setting and timing, and reservoir characteristics.

PROFESSIONAL MEMBERSHIPS:

- American Association of Petroleum Geologists
- Society for Sedimentary Geology
- Canadian Society of Petroleum Geologists
- Association of Professional Engineers, Geologists and Geophysicists of Alberta

GOVERNMENT ADVISORY COMMITTEE MEMBERSHIP:

Member, Alberta Geoscience Policy and Program Committee (advisory role to Federal and Provincial governments for Geological Survey of Canada and Alberta Geological Survey geoscience programs in Alberta); 1994-1996.

PROFESSIONAL SOCIETY POSITIONS and ACTIVITIES:

2007	Field trip co-leader, CSPG-CSEG Joint Convention, Calgary
2007	Luncheon speaker, CSPG, Calgary
2006	Field trip co-leader, CSPG-CSEG-CWLS Joint Convention, Calgary
2006	Luncheon speaker, 'Back to Basics' program, Petroleum Society, Calgary
2005	Field trip co-leader, CSPG-CSEG-CWLS Joint Convention, Calgary
2005-2007	Co-editor, special volume on hydrothermally-altered carbonate reservoirs, Bulletin of the American Association of Petroleum Geologists.
2005	CSPG 'Outreach' lecturer, eastern Canadian universities
2005-2007	Chairman, Douglas Medal Award Committee, CSPG
2005	Session Co-chair, AAPG Annual Convention, Calgary
2005	Co-leader, Dolomite Field Trip and Seminar. American Association of Petroleum Geologists, Calgary, Alberta
2004	Session Co-chair, AAPG Annual Convention, Dallas
2004	Keynote Speaker, Hydrothermal Dolomite Symposium. RMAG, SEPM, PPTC, Colorado School of Mines, Golden
2004	Technical Co-Chair and Co-organiser, Dolomite Seminar and Core Conference, Canadian Society of Petroleum Geologists, January 2004, Calgary
2003	Chairman, Dolomite Reservoir session, CSPG/CSEG Convention, Calgary
2003	Field trip leader, Cambrian-hosted hydrothermal dolomite, CSPG/CSEG, Calgary
2002	Chairman, 'Hot Dolomite' Session, CSPG Convention, Calgary
2001	Invited Speaker (Hydrothermal Dolomite Reservoirs), US DOE Petroleum Technology Transfer Council (PTTC), "Appalachian Update" meeting, Morgantown, West Virginia
2001	Co-chairman, Carbonate Diagenesis Session, CSPG Convention, Calgary
2001	Invited Speaker (Basics of carbonate reservoirs), Canadian International Petroleum Conference, Calgary
2000	Short Course, Presentation, Eastern Section of AAPG, London, Ontario
1997	Co-chairman, HTD Session, CSPG-SEPM Convention, Calgary
1996	Keynote Speaker, CSPG-CWLS Synergy Workshop "Low Porosity Carbonates", Calgary
1995 - 1996	Member, CSPG "Advantage" Program, Triassic Sub-Committee

- 1993 Session Co-Chairman, CSPG Pangea Conference, Calgary
1993 Invited Speaker, CSPG Oil and Gas Forum, April 1993
1991 - 1993 Member, Pangea Conference (1993) Committee, CSPG-GSGP (Global Sedimentary Geology Program)
1991 Keynote Address, Canadian Sedimentology Research Group Meeting, Calgary.
1987 Session Co-Chairman, International Devonian Symposium, CSPG, Calgary
1987 Session Co-Chairman, Canadian Reef Inventory Project, CSPG/U Alberta
1982 Session Co-Chairman, 11th International Congress Sedimentology
1982 Chairman, Evaporites Technical Session, SEPM Annual Meeting
1981 - 1982 Member, Geology and Geological Engineering Committee, SPE
1978 Chairman, Evaporite Research Committee, SEPM
1978 Chairman, Honorary Address Committee, CSPG
1977 Vice-Chairman, Evaporite Research Committee, SEPM
1975 Vice-President, Canadian Society of Petroleum Geologists
1974 Editor, Reef Carbonate volumes, CSPG Reprint Series
1974 Chairman, Technical Programme Committee, CSPG
1973 Chairman, Link Award Committee, CSPG
1972 Member, Medal of Merit Committee and Link Award Committee, CSPG
1972 Co-organizer, Devonian Core Seminar, International Geological Congress Field Programme

AWARDS:

- 2009 **A.I. Levorsen Award for best oral presentation at AAPG Section Meeting**, co-authored (presentation by Taury Smith, NYSM), Pittsburgh, Pennsylvania.
- 2008 **Service Award of CSPG**
- 2008 **Wallace E. Pratt Memorial Award** of AAPG for best paper in 2006 Bulletin
- 2007 **Medal of Merit** award of the CSPG for best paper on Canadian petroleum geology published in 2006
- 2007 **Volunteer Award** of the CSPG
- 2004 **Service Award** of the CSPG
- 2002 **R.J. Douglas Medal, 2002.** Awarded by the CSPG for outstanding and sustained scientific contributions to the understanding of sedimentary geology in Canada, commending major contributions to regional tectonics, petroleum and structural geology
- 1993 **A.D. Baillie Award** (inaugural), best oral presentation, CSPG Pangea Conference -Annual Convention, Calgary.
- 1988 **Honorable Mention**, Link Award Committee, Canadian Society of Petroleum Geologists (oral presentation)
- 1977 **Outstanding Paper** in Special Publication of AAPG; paper reprinted in AAPG Bulletin (technical publication)

- 1974 **Honorable Mention**, Medal of Merit Committee, Canadian Society of Petroleum Geologists (technical publication)
- 1971 **Outstanding Paper**, Geological Society of America, Section Meeting; paper re-presented in Washington, D.C. (oral presentation)
- 1971 **Honorable Mention**, Link Award Committee, Canadian Society of Petroleum Geologists (oral presentation)
- 1970 **Honorable Mention**, SEPM Award Committee, AAPG-SEPM Annual Meeting (oral presentation)
- 1962 **E. deCourcy Clarke Prize in Geology III**, University of Western Australia (academic award)

MILITARY SERVICE AWARD:

- 2004 **Anniversary of National Service Medal (Australia)** for full time and part time service in the Australian Army, 1956-58.

COMMUNITY SUPPORT:

Amadeus Patron, Calgary Philharmonic Society (past)

Member, Impresario Circle (Silver level), Calgary Opera Association

Contributor, Historic Resources Fund, Royal Tyrrell Museum Publishing Project (past)

PUBLICATIONS (not refereed)

Davies, G.R., and Smith, L.B., 2006, Structurally-controlled hydrothermally altered carbonate reservoirs. AAPG-PTTC Short Course, AAPG Eastern Section, Buffalo, NY, 78 p.

Davies, G.R., and Wendte, J., 2006, Major dolostone reservoir types, outcrop and subsurface analogues, western Canada: distinct types or continuum? Canadian Society of Petroleum Geologists, Annual Convention, Field Trip Guidebook FTPRE2, 84p.

Davies, G.R. and Wendte, J., G.R., 2005, Devonian-Cambrian Dolostone Field Trip. American Association of Petroleum Geologists, Guidebook, Calgary

Davies, G.R., 2003, Cambrian-hosted hydrothermal dolomite field trip guidebook. Canadian Society of Petroleum Geologists, Guidebook for Field Trip FTFS#5, Calgary, June 2003, 34p.

Berger, Z., and Davies, G.R., 2000, Tectonic controls on hydrothermal dolomite

reservoir trends in the Western Canada Sedimentary Basin. Canadian Society of Petroleum Geologists. Short Course Notes No. 17.

Berger, Z., and Davies, G.R., 1999, The development of linear hydrothermal dolomite (HTD) reservoir facies along wrench or strike slip fault systems in the Western Canada Sedimentary Basin. Canadian Society of Petroleum Geologists, Reservoir, v. 26, no. 1, p. 34-38.

Davies, G.R., 1997, Interpretites: the new universal, non-genetic, non-descriptive classification of sedimentary products and environments. Canadian Society Petroleum Geologists, Reservoir, v. 24, no. 8, p. 22-23

PUBLICATIONS (refereed)

Smith, L.B., and Davies, G.R., Structurally-controlled hydrothermal alteration of Carbonate reservoirs. Introduction in L.B. Smith and G.R. Davies, eds., Hydrothermally altered carbonate reservoirs: American Association of Petroleum Geologists, Bulletin, Special issue, v. 90, no. 11, p. 1641-1690.

Davies, G.R., and Smith, L.B., 2006, Structurally-controlled hydrothermal dolomite reservoir in L.B. Smith and G.R. Davies, eds., Hydrothermally-altered carbonate reservoirs: American Association of Petroleum Geologists, Bulletin, Special Issue, v. 90, no. 11, p. 1641-1690.

Peirce J., Davies, G.R., Goussev, A., Griffith, L., Rhodes, J., 2004 Structural control of hydrothermal dolomitization in the Keg River and Slave Point Formations, Sierra area, NE British Columbia and analogies with the Ghawar Field, Saudi Arabia. in R. McAuley, edit., Dolomites-the spectrum: mechanisms, models, reservoir development. Canadian Society of Petroleum Geologists, Seminar and Core Conference, January 13-15, 2004, Calgary. Extended abstract, CD Format.

Davies G.R., Spencer R., Berger Z., 2004, Early burial reflux (?) dolomitization of the Upper Triassic Baldonnel Formation, NE BC: Gas giant (6+ TCF) and youngest major carbonate reservoir in the WCSB. in R. McAuley, edit., Dolomites-the spectrum: mechanisms, models, reservoir development. Canadian Society of Petroleum Geologists, Seminar and Core Conference, January 13-15, 2004, Calgary. Extended abstract, CD Format.

Davies G.R., Berger Z., 2004, Shelf-margin hydrothermal to inboard shallow burial dolomitization of the Mississippian Debolt Formation, NE BC: Sikanni to Blueberry. in R. McAuley, edit., Dolomites-the spectrum: mechanisms, models, reservoir development. Canadian Society of Petroleum Geologists, Seminar and Core Conference, January 13-15, 2004, Calgary. Extended abstract, CD Format.

Davies G.R., 2004, Hydrothermal (thermobaric) dolomitization: rock fabrics and organic petrology. in R. McAuley, edit., Dolomites-the spectrum: mechanisms, models, reservoir development. Canadian Society of Petroleum Geologists,

Seminar and Core Conference, January 13-15, 2004, Calgary. Extended abstract, CD Format.

Boreen T., Davies G.R., 2004, Hydrothermal dolomite and leached limestones in a TCF gas play: the Ladyfern Slave Point reservoir, NEBC. in R. McAuley, edit., Dolomites-the spectrum: mechanisms, models, reservoir development. Canadian Society of Petroleum Geologists, Seminar and Core Conference, January 13-15, 2004, Calgary. Extended abstract, CD Format.

Snowdon, L.R. Beauvilain, J.C. and Davies, G.R., 1998, Debolt Formation oil-source systems: 1. Crude Oil families in the Dunvegan-Blueberry area of Alberta and British Columbia. *Bulletin of Canadian Petroleum Geology*, v. 46, no. 2, p. 276-287.

Snowdon, L.R., Davies, G.R., and Beauvilain, J.C., 1998, Debolt Formation Oil-source systems: 2. Authigenic petroleum source potential. *Bulletin of Canadian Petroleum Geology*, v. 46, no. 2, p. 276-287.

Davies, G.R., Moslow, T.F., and Sherwin, M.D., 1997, Ganoid Fish *Albertonia* sp. from the Lower Triassic Montney Formation, Western Canada Sedimentary Basin, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 715-718.

Davies, G.R., 1997, The Triassic of the Western Canada Sedimentary Basin: tectonic and stratigraphic framework, paleogeography, paleoclimate and biota, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 434-460.

Davies, G.R., 1997, Aeolian sedimentation and bypass, Triassic of Western Canada, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 624-642.

Davies, G.R., Moslow, T.F., and Sherwin, M.D., 1997, The Lower Triassic Montney Formation, Western Canada Sedimentary Basin, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 474-505.

Davies, G.R., 1997, The Upper Triassic Baldonnel and Pardonnet Formations, Western Canada Sedimentary Basin, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 643-674.

Moslow, T.F., and Davies, G.R., 1997, Turbidite reservoir facies in the Lower Triassic Montney Formation, west-central Alberta, in T.F. Moslow and J. Wittenberg, edits., *The Triassic of the Western Canada Sedimentary Basin*. *Bulletin of Canadian Petroleum Geology*, v. 45, p. 507-536.

MacDonald, R.W., and Davies, G.R., 1997, Revised Livingstone/Turner Valley to Mount Head stratigraphy - Mississippian of southwestern Alberta Foothills. in. J. Wood and B. Martindale, comp., Sedimentary events-Hydrocarbon systems. Canadian Society Petroleum Geologists, Society for Sedimentary Geology (SEPM), Core Conference Guidebook, p. 169-199.

Davies, G.R., and Sherwin, M.D., 1997, Productive dolomitized coquinal facies of the Lower Triassic Montney Formation, Western Canada Sedimentary Basin. in J. Wood and B. Martindale, comp., Sedimentary events-Hydrocarbon systems. Canadian Society Petroleum Geologists, Society for Sedimentary Geology (SEPM), Core Conference Guidebook, p. 257-276.

Moslow, T.F., and Davies, G.R., 1996, Turbidite reservoir facies of the Montney Formation, Valhalla and La Glace fields, Alberta. Canadian Society of Petroleum Geologists; Pools.96, Core Conference Abstracts, p. 13-1 to 13-9.

Davies, G.R., 1993, Upper Triassic Baldonnel and Pardonet Formations, northeastern British Columbia: selected lithofacies types. Canadian Society of Petroleum Geologists, Pangea Conference, Core Workshop Guidebook, Calgary, p. 236-244.

Nassichuk, W.W., and Davies, G.R., 1992, Upper Paleozoic reefs and their biota in the Canadian Arctic Archipelago. Oklahoma Geological Survey, Circular 94, p. 171-181.

Davies, G.R., and Nassichuk, W.W., 1991, Carboniferous and Permian history of the Sverdrup Basin, Arctic Islands; Chapter 13, in Geology of the Innuitian Orogen and Arctic Platform of Canada and Greenland. H.P. Trettin, edit., Geological Survey of Canada, Geology of Canada, no. 3 (also Geological Society of America, The Geology of North America, V.E.), p. 345-367.

Davies, G.R., and Nassichuk, W.W., 1990, Submarine cements and fabrics in Carboniferous to Lower Permian reefal, shelf margin and slope carbonates, northwestern Ellesmere Island, Canadian Arctic Archipelago. Geological Survey of Canada, Bulletin 399, 77 p.

Davies, G.R., 1989, Lower Permian palaeoaplysiniid mound, northern Yukon, Canada. in H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 638-642.

Davies, G.R., Edwards, D.E., and Flach, P., 1989, Lower Carboniferous (Mississippian) Waulsortian reefs in the Seal area of north-central Alberta. in. H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 643-648.

Davies, G.R., Edwards, D.E., and Flach, P., 1989, Porosity modification by

submarine and early burial cements in Mississippian Waulsortian reefs, Seal area, north-central Alberta. in G.R. Bloy, M.G. Hadley, and B.V. Curtis, edits., The development of porosity in carbonate reservoirs. Canadian Society of Petroleum Geologists, Short Course Notes, p. 643-648.

Davies, G.R., and Nassichuk, W.W., 1989, Upper Carboniferous tubular algal boundstone reefs in the Otto Fiord Formation, Canadian Arctic Archipelago. in H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 649-657.

Davies, G.R., Nassichuk, W.W., and Beauchamp, B., 1989, Upper Carboniferous "Waulsortian" reefs, Canadian Arctic Archipelago. in H.H., Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 658-666.

Davies, G.R., Richards, B., Beauchamp, B., and Nassichuk, W.W., 1989, Carboniferous and Permian reefs in Canada and adjacent areas. in H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 565-574.

Beauchamp, B., Davies, G.R., and Nassichuk, W.W., 1989, Upper Carboniferous to Lower Permian Palaeoaplysina - phylloid algal buildups, Canadian Arctic Archipelago. in H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 590-599.

Hankel, R.C., Davies, G.R., and Krouse, H.R., 1989, Eastern Medicine Hat gas field: a shallow Upper Cretaceous, bacteriogenic gas reservoir of southeastern Alberta. Bulletin Canadian Petroleum Geology, v. 37, no. 1, p. 98-112.

Tooth, J.W., and Davies, G.R., 1989, Gift Lake Slave Point Reef, Middle Devonian, Alberta. in H.H. Geldsetzer, N.P. James and G.E. Tebbutt, edits., Reefs, Canada and adjacent areas. Canadian Society of Petroleum Geologists, Memoir 13, p. 528-534.

Davies, G.R., and Nassichuk, W.W., 1989, An Early Carboniferous (Visean) lacustrine oil shale in the Canadian Arctic. American Association of Petroleum Geologists, Bulletin, v. 72, no. 1, p. 8-20.

Davies, G.R., and Nassichuk, W.W., 1988, Frontier Geoscience Program in action. Lacustrine oil shales - Carboniferous precursor to a rift basin. Energy Mines Resources Canada, Geos, v. 17, no. 1, p. 7-10.

Davies, G.R., and Tooth, J.W., 1987, Middle Devonian Slave Point lithofacies, Gift Lake Field, north-central Alberta. in F.F. Krause and O.G. Burrowes, edits., Devonian lithofacies and reservoir styles in Alberta. Canadian Society of

Petroleum Geologists, Second International Symposium on the Devonian System, 13th Core Conference, p. 173-180.

Goodarzi, F., Davies, G.R., Nassichuk, W.W., and Snowdon, L.R., 1987, Exsudatinite in Carboniferous oil shales from Arctic Canada. *Fuel*, v. 66, p. 771-773.

Goodarzi, F., Nassichuk, W.W., Snowdon, L.R. and Davies, G.R., 1987, Organic petrology and Rockeval analysis of the Lower Carboniferous Emma Fiord Formation in Sverdrup Basin, Canadian Arctic Archipelago. *Marine and Petroleum Geology*, v. 4, p. 132-145.

Tooth, J.W., and Davies, G.R., 1987, Geology and enhanced oil recovery modelling of the Slave Point reef, Gift Lake Field, Alberta. in. G.R. Bloy and J.C. Hopkins, edits., Principles and concepts for exploration and exploitation of reefs in the Western Canada Basin. Canadian Reef Inventory Project, Canadian Society of Petroleum Geologists, Short Course Notes, Section, 32 p.

Davies, G.R., and Nassichuk, W.W., 1986, Ancient reefs in the High Arctic. *Energy Mines Resources Canada, Geos*, v. 5, no. 4, p. 1-5.

Nassichuk, W.W., Davies, G.R., and Mamet, B., 1986, Microcodiaceans in the Visean Emma Fiord Formation, Devon Island, Arctic Canada. *Geological Survey of Canada, Current Research, Paper 86-1B*, p. 467-470.

Davies, G.R., 1983, Sedimentology of the Middle Jurassic Sawtooth Formation of southern Alberta. in. J.R. McLean, and G.E. Reinson, edits., Sedimentology of selected Mesozoic clastic sequences. Canadian Society Petroleum Geologists, Corexpo '83, Core Workshop Notes, p. 11-25.

Handford, R., Loucks, R., and Davies, G.R., edits., 1982, Depositional and diagenetic spectra of evaporites - a core workshop. *SEPM Core Workshop No. 3, Annual Convention*, 395p.

Davies, G.R., 1980, The economics of diagenesis. in I.A. MacIlreath, edit., Canadian Society Petroleum Geologists, Andy Baillie Symposium, Calgary.

Nassichuk, W.W., and Davies, G.R., 1980, Stratigraphy and sedimentation of the Otto Fiord Formation - a major Mississippian Pennsylvanian evaporite of subaqueous origin in the Canadian Arctic Archipelago. *Geological Survey of Canada, Bulletin 286*, 87 p.

Davies, G.R., 1979, Dolomite reservoir rocks; processes, controls, porosity development. in C.H. Moore, edit., *Geology of carbonate porosity*. American Association of Petroleum Geologists, Continuing Education Course Notes Series #11, Houston, p. C1-C17.

Davies, G.R., 1977, Carbonate to anhydrite facies relationships in the Otto Fiord

Formation (Mississippian-Pennsylvanian), Canadian Arctic Archipelago. in J.H. Fisher, edit., Reefs and evaporites - concepts and depositional models. Studies in Geology No. 5, American Association of Petroleum Geologists, p. 145-167 (also reprinted in American Association Petroleum Geologists, Bulletin, v. 61, no. 11, p. 1929-1949).

Davies, G.R., 1977, Former magnesian calcite and aragonite submarine cements in upper Paleozoic reefs of the Canadian Arctic; a summary. *Geology*, v. 5, p. 11-15.

Davies, G.R., 1977, Turbidites, debris sheets and truncation structures in upper Paleozoic deep-water carbonates of the Sverdrup Basin, Arctic Archipelago. in H.E. Cook and P. Enos, edits., Deep-water carbonate environments. Society of Economic Paleontologists Mineralogists, Special Publication #25, p. 221-247.

Davies, G.R., and MacQueen, R.W., 1977, Sedimentology of Bed No. 20 at Klouk, Bohemia. in A. Martinsson, edit., The Silurian-Devonian Boundary; International Union of Geological Sciences, Series A, No. 5, Stuttgart, p. 110-116.

Davies, G.R., Howie, R.D., Meijer-Drees, N.C., Sanford, B.V., and Wade, J.A., 1976, Evaporite deposits of Canada. Phase I - an overview. An internal report prepared for Geological Survey of Canada and Atomic Energy of Canada Limited; text v. 1, 151 p., 142 figs. and plates; large-scale maps, Box 1, Box 2 (unpublished).

Davies, G.R., 1976, "Bitumen" in post-burial diagenetic calcite. Geological Survey of Canada, Paper 76-1, pt. C, p. 107-114.

Nassichuk, W.W., and Davies, G.R., 1975, The Permian Belcher Channel Formation at Grinnell Peninsula, Devon Island. Geological Survey of Canada, Paper 75-1, Pt. C, p. 267-277.

Davies, G.R., editor, 1975, Devonian reef complexes of Canada II. Leduc-Cairn, Mercy Bay. Canadian Society of Petroleum Geologists, Reprint Series, v. 2, 246 p.

Davies, G.R., editor, 1975, Devonian reef complexes of Canada: I. Zama-Rainbow, Swan Hills. Canadian Society of Petroleum Geologists, Reprint Series, v. 1, 229 p.

Dean, W.E., Davies, G.R., and Anderson, R.Y., 1975, Sedimentological significance of nodular and laminated anhydrite. *Geology*, v. 3, no. 7, p. 367-372.

Davies, G.R., and Nassichuk, W.W., 1975, Subaqueous evaporites of the Carboniferous Otto Fiord Formation, Canadian Arctic Archipelago: a summary. *Geology*, v. 3, No. 5, p. 273-278.

Davies, G.R., 1975, Hoodoo L-41; Diapiric halite facies of the Otto Fiord Formation in the Sverdrup Basin, Arctic Archipelago. Geological Survey of Canada, Paper 75-1, Pt. C, p. 23-29.

Davies, G.R., and Nassichuk, W.W., 1975, Gravity-slide megastructures in deep-water carbonates of the Hare Fiord Formation, upper Paleozoic of Ellesmere Island. Geological Survey of Canada, Paper 75-1, Pt. B, p. 227-232.

Davies, G.R., and Krouse, H.R., 1975, Carbon and oxygen isotopic composition of upper Paleozoic carbonate cements, Arctic Archipelago - preliminary data and interpretations. Geological Survey of Canada, Paper 75-1, Pt. B, p. 215-220.

Davies, G.R., and Krouse, H.R., 1975, Sulphur isotope composition of Paleozoic sulphate evaporites, Arctic Archipelago. Geological Survey of Canada, Paper 75-1, Pt. B, p. 221-225.

Davies, G.R., 1975, Upper Paleozoic carbonates and evaporites in the Sverdrup Basin, Canadian Arctic Archipelago. Geological Survey of Canada, Paper 75-1, Pt. B, p. 209-214.

MacQueen, R.W., Ghent, E.D., and Davies, G.R., 1974, Magnesium distribution in living and fossil specimens of the echinoid Peronella leseuri, Agassiz, Shark Bay, Western Australia. Journal Sedimentary Petrology, v. 44, no. 1, pp. 60-69.

Davies, G.R., 1974, Paleozoic evaporites of the Canadian Arctic Archipelago. Fourth International Symposium of Salt, Proceedings, Houston, v. 1, pp. 119-125.

Davies, G.R., and Ludlam, S.D., 1973, Origin of laminated and graded sediments, Middle Devonian of western Canada. Bulletin of the Geological Society of America, v. 84, pp. 3527-3546.

Davies, G.R., and Nassichuk, W.W., 1973, The hydrozoan? Palaeoaplysina from the upper Paleozoic of Ellesmere Island, Arctic Canada: Journal of Paleontology, v. 47, no. 2, pp. 251-265.

Maiklem, W.R., Davies, G.R., and Craig, J., 1972, Devonian stratigraphy and facies of the southern Rocky Mountains and the adjacent foothills - introduction. International Geological Congress, Field Guidebook, Excursion C18.

Davies, G.R., 1971, A Permian hydrozoan mound, Yukon Territory: Canadian Journal of Earth Sciences, v. 8, no. 8, p. 973-988.

Logan, B.W., Read, J.R., and Davies, G.R., 1970, History of carbonate sedimentation, Quaternary Epoch, Shark Bay, Western Australia. in. B.W. Logan, G.R. Davies, J.F. Read, and D.E. Cebulski, edits. Carbonate sedimentation and environments, Shark Bay, Western Australia. American Association of Petroleum Geologists, Memoir 13, p. 38-84.

Davies, G.R., 1970, Algal-laminated sediments, Gladstone embayment, Shark Bay, Western Australia, *in* B.W. Logan, G.R. Davies, J.F. Read, and D.E. Cebulski, edits. Carbonate sedimentation and environments, Shark Bay, Western Australia. American Association of Petroleum Geologists, Memoir 13, p. 169-205.

Davies, G.R., 1970, Carbonate bank sedimentation, eastern Shark Bay, Western Australia, *in* B.W. Logan and others; Carbonate sedimentation and environments, Shark Bay, Western Australia. American Association of Petroleum Geologists, Memoir 13, p. 85-168.

Davies, G.R., 1964, Marine geological research in Western Australia. University of Western Australia, Science Union, Scope, no. 12, p. 60-62.

PUBLICATIONS - ABSTRACTS:

Davies, G.R., Smith, L.T., and Chau, Y.P., 2009, Rock fabrics and textures in structurally-localized dolomite reservoirs. American Association of Petroleum Geologists, Annual Convention, Denver, Abstracts vol.

Hume, D.W., Davies, G.R., Rakhit, K., and Crane, E.R., 2009, An evaluation of unconventional oil resources in the Bakken Formation, Saskatchewan and North Dakota. Williston Basin Symposium, Regina, Abstracts vol.

Chau, Yee Ping, Davies, G.R., McCulloch, M.T., Spencer, R.J., and Hoskin, P.W.O., 2008, Magnesium isotopes support a seafloor vent – dolomite – Burgess Shale genetic link. Geological Society of America Annual Meeting, Houston, Texas, Abstracts vol.

Hume, D.W., Davies, G.R., and Rakhit, K., 2008, The giant next door: middle Bakken Member, S.E. Saskatchewan. Rocky Mountain Association of Geologists, Annual Convention, Denver, Abstracts vol.

Smith, L.T., and Davies, G.R., 2008, Hydrothermal-seawater mixing zone dolomite: a hypothetical model for widespread, pervasive dolomitization. American Association of Petroleum Geologists, Eastern Section Meeting, Abstracts vol.

Davies, G.R., 2007, Structurally-controlled carbonate diagenesis: hydrothermal dolomite and leached limestone reservoirs. Canadian Society of Petroleum Geologists, Reservoir, Vol. 34, Issue 1, p. 9-10.

Smith, L., and Davies, G.R., 2007, Fault-related hydrothermal alteration: an important model for carbonate reservoir diagenesis. American Association of Petroleum Geologists, Annual Convention, Long Beach, Ca., Abstracts Vol., p. ____

Davies, G.R., and Smith, L., 2006, Structurally-controlled carbonate diagenesis: creation of hydrothermal dolomite and leached limestone reservoirs. American Association of Petroleum Geologists, Eastern Section, 35th Annual Meeting, Buffalo, NY, p.18

Davies, G.R., and Smith, L., 2006, Structurally-controlled carbonate diagenesis: creation of hydrothermal dolomite and leached limestone reservoirs. American Association of Petroleum Geologists, Eastern Section, 35th Annual Meeting, Buffalo, New York, Abstract vol.

Davies, G.R., and Smith, L., 2006, Structurally-controlled hydrothermal dolomite reservoirs: characteristics and rock fabrics. GEO2006 Conference, Bahrain, March 2006, CD format.

Smith L., and Davies, G.R., 2006, Hydrothermal dolomitization and leaching of carbonate reservoirs. GEO2006 Conference, Bahrain, March 2006, CD format.

Davies, G.R., and Smith, L., 2005, Hydrothermal dolomite and leached limestone reservoirs: tectonic, structural mining and petroleum linkage. Canadian Society of Petroleum Geologists, American Association of Petroleum Geologists, Joint Convention, Calgary, Abstracts Vol., p. A32

Smith, L., and Davies, G.R., 2005, Tectonic-thermobaric carbonate breccia reservoirs: a major resource. Canadian Society of Petroleum Geologists, American Association of Petroleum Geologists, Joint Convention, Calgary, Abstracts Vol., p. ____

Davies, G.R., Boreen, T., and Smith, L., 2005, Hydrothermal dolomite and leached limestone reservoirs: representative core fabrics and facies. Canadian Society of Petroleum Geologists, American Association of Petroleum Geologists, Joint convention, Calgary, Abstracts Vol., p. A32

Berger, Z., and Davies, G.R., 2005, Strike-slip structural controls on hydrothermal dolomite reservoirs American Association of Petroleum Geologists Annual Convention, Calgary, Abstracts Vol.

Davies, G.R., 2004, Hydrothermal (Thermobaric) dolomite and leached limestone reservoirs: general principles genetic connections and economic significance in Canada. American Association of Petroleum Geologists, Annual Convention, Dallas, Abstracts Vol, p. A32.

Davies, G.R., 2004, The hydrothermal spectrum: SEDEX and MVT mineralization and HTD reservoirs- tectonic, structural and diagenetic connections. Society of Sedimentary Geology (SEPM), Rocky Mountain Association of Geologists, PPTC, Golden, Colorado Conference on Hydrothermal Dolomite, guidebook.

Davies, G.R., 2002, Thermobaric dolomitization: transient pressure-driven processes and the role of boiling-effervescence in fabric/reservoir development. Canadian Society of Petroleum Geologists, 75th Anniversary Convention,

Abstracts Vol.

Davies, G.R., 2001, Structurally controlled thermobaric (hydrothermal) dolomite reservoir facies: fabric support for emplacement under conditions of high fluid pressure and stress conditions. Canadian Society of Petroleum Geologists, Annual Convention, Core Conference Guidebook, p. 117-1.

Morrow, D.W., and Davies, G.R., 2001, The Liard Basin Manetoe Dolomite: a new look at a Frontier deep gas play. Canadian Society of Petroleum Geologists, Annual Convention, Core Conference Guidebook, p. 28-1 to 28-5 (extended abstract)

Edwards, D.E., Davies, G.R., and Vernon, M. 1999, Bryozoan-crinoid mounds of the Pekisko Formation, north-central Alberta, International Congress on the Carboniferous-Permian, Core Conference, Program with Abstracts, p. 32.

Davies, G.R., 1997, Fault-induced fluid flow, strike-slip faults, and hydrothermal dolomitization. in B. Beauchamp, comp., Sedimentary events-Hydrocarbon systems. Canadian Society of Petroleum Geologists, Society of Sedimentary Geology (SEPM), Program with Abstracts, p. 75.

Davies, G.R., 1997, Aeolian sedimentation and bypass, Triassic of western Canada. in B. Beauchamp, comp., Sedimentary events-Hydrocarbon systems. Canadian Society Petroleum Geologists, Society Sedimentary Geology (SEPM), Program with Abstracts, p. 75.

Davies, G.R., 1997, Tectonic and paleogeographic setting and stratigraphic framework of the Triassic of the Western Canada Sedimentary Basin. in B. Beauchamp, comp., Sedimentary events-Hydrocarbon systems. Canadian Society of Petroleum Geologists, Society of Sedimentary Geology (SEPM), Program with Abstracts, p. 76.

Davies, G.R., 1996, Porosity evolution and loss in carbonate rocks. in Formation evolution in low-porosity carbonates and fractured reservoirs. Canadian Society of Petroleum Geologists, Canadian Well Logging Society, Synergy Workshop, Calgary, not paginated.

Davies, G.R., 1996, Regional facies and reservoir trends, Upper Triassic Baldonnel and Pardonet Formations, NE B.C. Canadian Society of Petroleum Geologists, Conference Abstract.

Moslow, T.F., and Davies, G.R., 1996, Reservoir heterogeneity and performance of turbidite facies, Montney Formation, Sexsmith-Valhalla-La Glace Fields. Canadian Society of Petroleum Geologists, Annual Conference, Abstract Vol.

Davies, G.R., Moslow, T.F., and Sherwin, M.D., 1995, Paleo-environment,

depositional processes, sequence stratigraphy and structural controls of Lower Triassic Montney Formation, Peace River area, Alberta. Canadian Society of Petroleum Geologists, Reservoir Newsletter, v. 22, no. 9, p. 5-6.

Davies, G.R., 1995, Triassic of the WCSB and NE B.C.: some emerging new ideas from regional studies. Geological Association of Canada, Mineralogical Association of Canada, Annual Meeting, Victoria, B.C., Abstracts Vol. 20, p. A-23. Canadian Society Petroleum Geologists, Canadian Well Logging Society, Joint Symposium, Abstracts Vol., not paginated.

Davies, G.R., Moslow, T.F., and Sherwin, M.D., 1995, Sequence stratigraphy, biostratigraphy and structural controls on deposition of the Lower Triassic Montney Formation, west-central Alberta. Canadian Society of Petroleum Geologists, Canadian Well Logging Society, Joint Symposium, Abstracts Vol., not paginated.

Moslow, T.F., and Davies, G.R., 1995, Origin and characterization of turbiditic reservoir facies in the Montney Formation, west-central Alberta. Canadian Society of Petroleum Geologists, Canadian Well Logging Society, Joint Symposium, Abstracts Vol., not paginated.

Moslow, T.F., Evoy, R.W., and Davies, G.R., 1995, Sediment bypassing and turbidite facies variability: examples from the Fraser River delta and Triassic (Montney Formation). Canadian Society Petroleum Geologists, Canadian Well Logging Society, Joint Symposium, Abstracts Vol. (no page ref.).

Davies, G.R., 1994, Hydrothermal dolomite: western Canada and global perspectives. *in*. G.M., Ross, edit., Alberta Basement Transects Workshop, Lithoprobe Report #320.

Davies, G.R., and Majid, A.H., 1993, Upper Triassic carbonates of the Western Canada Sedimentary Basin: hosts for the biggest gas play in western Canada. Canadian Society of Petroleum Geologists, Pangea Conference, Abstracts Vol., p. 69.

Davies, G.R., and Moslow, T.A., 1993, Triassic paleotectonics, paleoclimate, paleo-oceanography, and precursor mass extinctions: impact on depositional and reservoir facies of Middle and Upper Triassic sequences in the Western Canada Sedimentary Basin. Canadian Society of Petroleum Geologists, Pangea Conference, Abstracts Vol., p. 67.

Davies, G.R., Edwards, D., and Flach, P., 1993, Lower Carboniferous (Mississippian) Waulsortian-like reefs on the Pekisko ramp, Seal area of west-central Alberta. Canadian Society of Petroleum Geologists, Pangea Conference, Abstracts Vol., p. 68.

Davies, G.R., and Majid, A.H., 1993, "Grassy High", northeastern British Columbia: a structural high with eroded Upper Triassic section coincident with optimum Mississippian hydrothermal dolomite reservoir development. Canadian Society of Petroleum Geologists, Pangea Conference, Abstracts Vol., p. 70.

Pedder, A.E.H., Davies, G.R., and Burlingame, T.E., 1993, Sedimentology and paleontology of the Middle Devonian Horn Plateau Reef, southern Northwest Territories. Geological Association of Canada, Edmonton '93 Conference, Abstracts Vol.

Davies, G.R., and Majid, A.H., 1992, Hydrocarbon exploration in the Debolt Formation, northeastern British Columbia. American Association of Petroleum Geologists, Annual Convention Abstracts Volume.

Pedder, A.E.H., Davies, G.R., and Burlingame, T.E., 1992, Sedimentology and paleontology of the Middle Devonian Horn Plateau reef, southern Northwest Territories. Geological Survey of Canada, Oil and Gas Forum 92, Program and Abstracts, p. 30.

Davies, G.R., 1989, The Tano Basin of offshore Ghana, equatorial west Africa - relationship to offshore northern Brazil. ARPEL Technical Meeting, Exploration, Calgary.

Beauchamp, B., Davies, G.R., and Nassichuk, W.W., 1987, Upper Carboniferous to Lower Permian *Palaeoaplysina* - phylloid algal buildups, Canadian Arctic Archipelago. Canadian Reef Inventory Project, Canadian Society of Petroleum Geologists, Banff Abstr. Vol.

Davies, G.R., Beauchamp, B., and Nassichuk, W.W., 1987, Upper Carboniferous "Waulsortian" type reefs, Canadian Arctic Archipelago. Canadian Reef Inventory Project, Canadian Society Petroleum Geologists, Banff Abst. Vol.

Davies, G.R., Edwards, D.E., and Flach, P., 1987, Geology and reservoir characteristics of Mississippian Waulsortian reefs in the Seal area of Alberta. Canadian Society of Petroleum Geologists, Reservoir, v. 14, No. 8, p. 1-2.

Davies, G.R., Richards, B., Beauchamp, B., and Nassichuk, W.W., 1987, Upper Paleozoic (Carboniferous - Permian) reefs of Canada and environs. Reef Inventory Project, Canadian Society of Petroleum Geologists, Banff Abst. Vol.

Davies, G.R., and Nassichuk, W.W., 1986, Upper Paleozoic lithofacies of the Sverdrup Basin, Canadian Arctic Archipelago. Canadian Society Petroleum Geologists, Annual Conf., Calgary. Abstr. Vol.

Davies, G.R., 1982, Submarine to burial diagenesis in upper Paleozoic reef and shelf-edge carbonates, Canadian Arctic Archipelago. Eleventh International Congress on Sedimentology, Ontario, Abstr. Vol., p. 122.

Christie, D., Davies, G.R., and Wardlaw, N.C., 1977, Submarine evaporites of the

Otto Fiord Formation. American Association of Petroleum Geologists, Bulletin, Abstracts.

Davies, G.R., 1976, Early marine and later post-burial cementation and diagenesis of Paleozoic carbonate rocks, Arctic Archipelago. American Association of Petroleum Geologists, Bulletin, Abstracts.

Davies, G.R., 1975, Carbonate-evaporite facies relationships, upper Paleozoic of the Canadian Arctic Archipelago. American Association of Petroleum Geologists, Annual Meeting, Abst. v. 2, 1975, p. 17.

Davies, G.R., 1975, Penecontemporaneous slide and fill megastructures in the upper Paleozoic slope-facies carbonates, Arctic Canada. American Association of Petroleum Geologists, Annual Meeting, Abst. v. 2, 1975, p. 17-18.

Davies, G.R., 1974, Submarine cementation, fracturing, and internal sedimentation in Pennsylvanian-Permian carbonate buildups, Arctic Archipelago. American Association of Petroleum Geologists, Abstr., v. 1, p. 25.

Davies, G.R., and Nassichuk, W.W., 1973, Upper Paleozoic carbonate mounds of the Sverdrup Basin, Arctic Canada. Canadian Society of Petroleum Geologists, Geological Society of America, Arctic Symposium, Abstracts.

Davies, G.R., 1973, Paleozoic evaporites of the Canadian Arctic Archipelago. Fourth International Symposium on Salt, Houston, Abstr., p. 9.

Davies, G.R., and Nassichuk, W.W., 1972, Upper Paleozoic evaporites in Sverdrup Basin, Arctic Canada. American Association Petroleum of Geologists, Bulletin, v. 56, p. 612.

MacQueen, R.W., Ghent, E.D., and Davies, G.R., 1971, Magnesium distribution in living and fossil specimens of the echinoid Peronella leseuri, Shark Bay, Australia. International Sedimentological Congress VIII, Heidelberg, Programme with Abstracts, p. 64.

Davies, G.R., and Ludlam, S.D., 1971, A basinal model for Middle Devonian laminites', Elk Point Basin of western Canada. Geological Society of America, Abstracts of Meetings, Spec. Paper, v. 3, no. 6, p. 376.

Davies, G.R., 1970, Carbonate bank sedimentation, eastern Shark Bay, Western Australia. American Association of Petroleum Geologists, Bulletin, v. 54, p. 843