

IAN W. D. DALZIEL B.Sc., Ph.D., D.Sc. (Hon), FRSE

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IAN W. D. DALZIEL

EDUCATION

B.Sc. (First Class Honours) University of Edinburgh, 1959: Geology with physics.
Ph.D. University of Edinburgh, 1963: Geology.

HONORARY DEGREE

D.Sc. University of Edinburgh, 2000.

ACADEMIC POSITIONS

10/1959-8/1963 Assistant Lecturer in Geology, University of Edinburgh.
9/1963-8/1966 Assistant Professor of Geology, University of Wisconsin, Madison.
9/1967-6/1973 Associate Professor of Geology, Columbia University (†1970).
7/1973-5/1985 Professor of Geological Sciences, Columbia University.
9/1970-5/1985 Senior Research Scientist, Lamont-Doherty Geological Observatory, Columbia University.
5/1985-8/2004 Senior Research Scientist, Institute for Geophysics, The University of Texas at Austin.
9/2004-Present Research Professor, Institute for Geophysics, The University of Texas at Austin.
9/1985-Present Professor of Geological Sciences, The University of Texas at Austin (†1985)
9/2002-Present John A. and Katherine G. Jackson School of Geosciences Research Fellow, The University of Texas at Austin (†with tenure)

HONORARY ACADEMIC POSITION

Chair of Geology, University of St Andrews, 1997-Present

ADMINISTRATIVE POSITIONS

7/1973-6/1976 Chairman, Department of Geological Sciences, Columbia University.
7/1973-5/1985 Member, Executive Committee and Administrative Board, Lamont-Doherty Geological Observatory of Columbia University.
9/1994-8/2007 Associate Director, Institute for Geophysics, the University of Texas at Austin.
5/1985-Present Member of the Budget Councils, Institute for Geophysics and Department of Geological Sciences, The University of Texas at Austin

MAIN FIELD OF RESEARCH INTEREST

Earth evolution and Earth System processes; Sub-fields-Structure and evolution of the Antarctic continent and plate and of the Antarctic ice sheet; orogenesis; the supercontinental cycle

AWARDS

1992 Murchison Medal, Geological Society of London
2003-2004 Clough Medal, Geological Society of Edinburgh
1976-77 John Simon Guggenheim Memorial Fellowship (Swiss Federal Institute (ETH), Zurich, Switzerland).
1997 Bownocker Medal, The Ohio State University
1998-99 Permian Basin Section of Society for Sedimentary Geology—Best Paper Award
1997-98 The University of Texas at Austin, Cooperative Society Best Research Paper Award

ELECTIONS TO FELLOWSHIP

- 1996 Fellow of the Royal Society of Edinburgh
 1996 Corresponding Fellow, Edinburgh Geological Society
 1980 Corresponding Member, Asociación Geológica Argentina

EDITORIAL RESPONSIBILITIES

- 1994-2000 Editorial Board, *Geology* magazine
 1990-2002 Editorial Board, Royal Society of Edinburgh
 1985-Present Editorial Board, *Gondwana Research*
 2002-Present Associate Editor, Editorial Board, *Episodes*, Journal of the International Union of Geological Sciences
 2003-2008 Consulting Editor, *Transactions of the Royal Society of Edinburgh: Earth Sciences*.

LEADERSHIP OF MAJOR INTERNATIONAL RESEARCH PROJECTS

- 1968-1990 Leader: Scotia Arc Tectonics Project, South America and Antarctica (US-Chile-Argentina-UK).
 1984 Co-Chief Scientist (with P.F. Barker of UK): Leg 36 of Deep Sea Drilling Project, Scotia Sea and South Atlantic Ocean, Ushuaia, Argentina to Rio de Janeiro, Brazil (12 scientists from 6 nations).
 1986-1992 US Leader: Tectonics of West Antarctica (US-UK).
 1993-1996 US Leader: South Pacific Rim International Tectonics Project (US-UK-New Zealand).
 1984-1994 Convener: Group of Specialists on Structure and Evolution of the Antarctic Lithosphere (International Council of Scientific Unions, Scientific Committee on Antarctic Research).
 1988-1990 Chairman: International Ocean Drilling Project, Tectonics Panel (US-UK-France-Germany-Japan-Australia-Canada-European Science Foundation).
 2000-Present Leader: West Antarctic GPS Network (Universities of Texas, Ohio State, and Memphis).

CONVENER, INTERNATIONAL WORKSHOPS AND CONFERENCES

- 1982 Co-Convener of Geological Society of America Penrose Conference on “The Antarctic Plate: A Global Perspective”, Shenandoah National Park, Virginia, (with D.H. Elliot).
 1989 Convener, Workshop on Antarctic International Lithosphere Project and US Geophysical Initiative, National Academy of Sciences, Washington, D.C.
 July 1989 Convener, Symposium on Antarctic Geology, 28th International Geological Congress, Washington, D.C.
 October 1992 Co-Convener, Geological Society of America Penrose Conference on “Late Precambrian Plate Tectonics and the Dawn of the Phanerozoic,” Death Valley, California, (with A. Knoll and E. Moores).
 October 1995 Co-Convener, Geological Society of America Penrose Conference on “The Argentine Precordillera—A Laurentian Terrane?” San Juan, Argentina, (with L. Dalla Salda, C. Cingolani, and A. Palmer).
 September 2000 Co-Convener, Geological Society of America Penrose Conference on “The Iapetus Ocean,” Edinburgh, Scotland, (with A.L Harris, R. Astini, and D.J. Fettes).
 June 2001 Co-Chair, Technical Program, Joint Geological Society of America-Geological Society of London meeting on “Earth System Processes”, Edinburgh, Scotland, (with Ian Fairchild).

PROFESSORSHIPS, LECTURESHIPS, AND FELLOWSHIPS

- 1978 & 1997 Swiney Lecturer, University of Edinburgh.
1976-1977 Visiting Professor, Geologisches Institut, Eidgenossische Technische Hochschule (Swiss Federal Institute), Zurich, Switzerland.
1979-1980 Visiting Professor, Scripps Institution of Oceanography, University of California, San Diego, California.
1993 Erskine Senior Fellow, University of Canterbury, New Zealand.
1995 Gladden Senior Fellow, University of Western Australia.
1995 Goldschmidt Lecturer, Geological Survey of Norway.
1997 Bownocker Lecturer, The Ohio State University.

GEOLOGIC FIELD EXPERIENCE AND EXPEDITION LEADERSHIP

Forty years in: South American Andes (Chile, Argentina, Peru)[‡], Antarctica[‡], Scottish Highlands[‡], Laurentian Shield (High Arctic, Ontario, Quebec, Labrador, Wisconsin, Texas), European Alps, Norway, Brazilian Shield, southern Africa, Australia, New Zealand, Mexico, Madagascar, oceanic islands.

Leader of ~30 field expeditions in Antarctica, Patagonia, and Tierra del Fuego

([‡] denotes region of special expertise)

FIELD TRIP LEADER AT PROFESSIONAL MEETINGS

- 1970 Geological Society of America Annual Meeting, Milwaukee, Wisconsin. Geology of the Baraboo District, Wisconsin (with R.H. Dott, Jr.).
1989 International Union of Geological Sciences, International Geological Congress, Washington, D.C. Field Trip, T180 Tectonics of the Scotia Arc.
2007 Geological Society, London and 10th International Symposium on Antarctic Earth Sciences, "In the Footsteps of Darwin; the Geology and Tectonics of Tierra del Fuego." Nov.-Dec.

SHIPBOARD EXPERIENCE

Over twenty science cruises, many as Senior/Chief Scientist, including Leg 36 of Deep Sea Drilling Project (Co-Chief Scientist with P.F. Barker).

TEACHING EXPERIENCE

Structural and field geology, tectonics and earth history (Edinburgh, Wisconsin, Columbia, and Texas).

'OUTREACH' EXPERIENCE

Numerous lectures and talks at universities, schools, societies, civic clubs etc., nationally and overseas; invited articles for encyclopedias, *Scientific American* etc.

1990-Present Talks at local schools (Eanes District, North Oaks and Del Valle).

UTIG Outreach program lectures

Consultant on Paleotectonics to Dynamic Earth, Texas Memorial Museum, Museum of Scotland, Scottish Heritage

Guest lecturer, 'Science Place,' Dallas, Texas.

2006 Led Boerne, Texas High School teachers and students on Tierra del Fuego project and field excursion

LANGUAGES

Spanish (read—well; lecture and converse—adequately)

French (read—well; lecture and converse—rusty!)

PROFESSIONAL SOCIETIES

Geological Society of America (Fellow)	Geological Society of Argentina (Elected Corresponding Fellow)
American Geophysical Union (Member)	
Geological Association of Chile (Fellow)	Geological Society of Edinburgh (Elected Corresponding Fellow)

MEMBERSHIP OF NATIONAL COMMITTEES

1983-1986	Ad Hoc Committee on Antarctic Geoscience, Polar Research Board, National Research Council.
1988-1992	Polar Research Board, National Research Council and U.S. National Committee on Antarctic Research (Member of the Board).
1969-1971	Panel on Geology and Solid Earth Geophysics, Committee on Polar Research, National Academy of Sciences.
1983-1986	Advisory Panel, Division of Polar Programs, National Science Foundation.
1984-1988	Advisory Committee, Office of Polar Programs, National Science Foundation.
1987-2000	Polar Research Board, National Research Council, ex-officio as Delegate to Scientific Committee on Antarctic Science of International Council of Scientific Unions.
1999-2006	US National Committee for Geological Sciences, The National Academies.

MEMBERSHIP OF INTERNATIONAL COMMITTEES

1986-1998	Convener, Group of Specialists on the Structure and Evolution of the Antarctic Lithosphere, Scientific Committee on Antarctic Research, International Council of Scientific Unions.
1986-1987	Member of Tectonics Panel, Ocean Drilling Program.
1988-1990	Chairman, Tectonics Panel, Ocean Drilling Program.
1970's	Deep Sea Drilling Project Advisory Panel on the Antarctic Ocean
1987-88	Convener, Workshop on Antarctic Lithosphere (Supported by Division of Polar Programs, National Science Foundation).
	Executive secretary and corresponding secretary for the United States, Scotia Arc Study Group of Working Group No. 2, International Geodynamics Project.
August 1977	Member of Steering Committee, SCAR-IUGS-IGC Symposium on Antarctic Geology and Geophysics, Madison, Wisconsin.
1987-Present	Member of Coordinating Committees 3 and 7 of International Commission on the Lithosphere, International Council of Scientific Unions.
1999-2001	Member of the Scientific Board, International Geological Correlation Project (IGCP), United Nations Educational, Scientific, and Cultural Organization and International Union of Geosciences.
2002-2004	Chairman of the Scientific Board, International Geosciences Project (formerly International Geological Correlation Project, IGCP), United Nations Educational, Scientific, and Cultural Organization and International Union of Geosciences.
2001-Present	Member of the Board, Canadian Lithoprobe Project.
2004-Present	International Coordinator and Member of US Organizing Committee, X th International Symposium on Antarctica Earth Science, Santa Barbara, California

MEMBERSHIP OF UNIVERSITY OF TEXAS COMMITTEES

Vice-President for Research's Committee on Research Excellence
UTIG Public Relations Committee (Chair)
UTIG Administrative Associates Oversight Committee

UTIG Development Committee (Chair)
 UTIG Public Relations Document Review Committee (Chair)
 UT Department of Geological Sciences, Post-Tenure Review Committee
 2006-Present Appointments Committee, Jackson School of Geosciences

DOCTORAL STUDENTS

J.M. Brown	Wisconsin	1967	T.J. Wilson	Columbia	1983
S.J. Brocoum	Columbia	1971	A.M. Grunow	Columbia	1988
I. Alterman	Columbia	1973	K. Schmitt	Columbia	1991
R.L. Bruhn	Columbia	1976	W.D. Cunningham	Texas	1993
S. Dutch	Columbia	1976	K.A. Klepeis‡	Texas	1993
R. Kligfield	Columbia	1978	P. Rowell‡	Texas	1993
M.A. Winslow	Columbia	1980	F. Hutson‡	Texas	
R.D. Forsythe	Columbia	1981	D.H.N. Barker‡	Texas	1997
E.P. Nelson	Columbia	1981	F. Kong‡	Texas	1998
R.B. Allen	Columbia	1983	S. Loewy‡	Texas	2002

MASTERS STUDENTS

J. Warren	Wisconsin	1966
S. Rothwell	Texas	1988
D. Carpenter‡	Texas	1997
C. Massell‡	Texas	1997
C. Schurr‡	Texas	1997
L. Konnecke‡	Texas	1997
M. Davis	Texas	2002

‡*co-supervised*

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

1. Volume edited as co-Chief Scientist

1977 Barker, P.F., Dalziel, I.W.D., *et al.*, *Initial Reports of Deep Sea Drilling Project*, v. 36. U.S. Government Printing Office, Washington D.C.

2. Geological Society of America Special Paper

1984 Dalziel, I.W.D., The tectonic evolution of a fore-arc terrane, southern Scotia Ridge, Antarctica, *Geological Society of America Special Paper* No. 200, 32 p.

3. Geological and Geophysical Maps

1985 Tectonic Map of the Scotia Arc. (50°-75°S; 1:3,000,000). British Antarctic Survey, Cambridge (Tectonic interpretation developed by Dalziel, I.W.D., Thomson, J.A., Thomson, M.R.A., and Storey, B.S.; South American Compilation by Dalziel, I.W.D.).

1992 Sandwell, D.T., Lawver, L.A., Dalziel, I.W.D., Smith, W.H.F., and Wiederspahn, M., A Composite AVHRR-GEOSAT Image of the Antarctic Plate. Institute for Geophysics, University of Texas at Austin.

4. Guidebooks

1970 Dalziel, I.W.D. and R.H. Dott, Jr., The geology of the Baraboo district, Wisconsin. A Monograph and Guidebook (for 83rd Annual Meeting of the Geological Society of America, Milwaukee, 1970). *Wisconsin Geology and Natural History Survey*, Information Circular No. 14, 194 p., 7 fold-out maps.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1989 Tectonics of the Scotia Arc. *Guidebook to Field Trip T180 of 28th International Geological Congress*, Washington, D.C., 1989, American Geophysical Union, Washington, D.C., 206 pp.
- 2007 Dalziel, I.W.D., Dott, R.H., Jr., and Olivero, E. *Guide to the Geology of Southern Patagonia and Tierra del Fuego*. Bicentennial Guide Book of the Geological Society, London.

5. Conveners' Reports

- 1983 Dalziel, I.W.D. and D.H. Elliot, The Antarctic Plate: A global perspective. *Geology*, v. 11, p. 118-120 (Penrose Conference Report).
- 1994 Dalziel, I.W.D., A. Knoll, and E. Moores, Late Precambrian Tectonics and the Dawn of the Phanerozoic. *GSA Today*, v. 4, p. 8-9 (Penrose Conference Report).
- 1996 Dalziel, I.W.D., L. Dalla Salda, C. Cingolani, and A.R. Palmer, The Argentine Precordillera: A Laurentian Terrane? *GSA Today*, v. 6, p. 16-18 (Penrose Conference Report).
- 2001 Dalziel, I.W.D., Astini, R., Fettes, D.J., and Harris, A.L., The Iapetus Ocean: *GSA Today*, v. 11, p. 32-35 (Penrose Conference Report).

6. Reviewed Articles in Professional Journals and As Chapters in Symposium and Other Volumes.

- 1963 Dalziel, I.W.D. and M.R.W. Johnson, Evidence for the geological dating of the granitic gneiss of western Ardgour. *Geological Magazine*, v. 100, p. 244-254.
- 1963 Dalziel, I.W.D., Zircons from the granitic gneiss of western Ardgour, Argyll; their bearing on its origin. *Trans. Edinburgh Geol. Soc.*, v. 19, p. 349-362.
- 1965 Dalziel, I.W.D. and R.L. Brown, The structural dating of the sillimanite-grade metamorphism of the Moines in Ardgour (Argyll) and Moidart (Inverness-shire). *Scottish Journal of Geology*, v. 1, p. 304-311.
- 1966 Johnson, M.R.W. and I.W.D. Dalziel, Metamorphosed lamprophyres and the late thermal history of the Moines. *Geological Magazine*, v. 103, p. 240-249.
- 1966 Dalziel, I.W.D., A structural study of the granitic gneiss of western Ardgour, Argyll and Inverness-shire. *Scottish Journal of Geology*, v. 2, p. 125-152.
- 1968 Dalziel, I.W.D. and S. W. Bailey, Deformed garnets in a mylonitic rock from the Grenville front and their tectonic significance. *American Journal of Science*, v. 266, p. 542-562.
- 1969 Dalziel, I.W.D., Brown, J. M., and T. E. Warren, The structural and metamorphic history of the rocks adjacent to the Grenville front near Sudbury, Ontario, and Mount Wright, Quebec, in Wynne-Edwards (Ed.), Age relations in high-grade metamorphic terrains. *Geological Association of Canada*, Special Paper No. 5, p. 207-224.
- 1969 Brown, R.L., Dalziel, I.W.D., and B.R. Rust, The structure metamorphism and development of the Boothia Arch, Arctic Canada. *Canadian Journal of Earth Sciences*, v. 6, p. 525-543.
- 1969 Dalziel, I.W.D., Pre-Permian history of the British Isles: A summary, in Kay (Ed.), *North Atlantic: Geology and continental drift*. American Association of Petroleum Geologists Memoir 12, p. 5-31.
- 1970 Brown, R.L., Dalziel, I.W.D., and M.R.W. Johnson, A review of the structure and stratigraphy of the Moinian of Ardgour, Moidart and Sunart, Argyll and Inverness-shire. *Scottish Journal of Geology*, v. 6, p. 309-335.
- 1971 Dalziel, I.W.D. and D.H. Elliot, Evolution of the Scotia Arc. *Nature*, v. 233, p. 246-252.
- 1971 Dalziel, I.W.D., Large-scale folding in the Scotia Arc, in R.J. Adie (Ed.), *Antarctic Geology and Geophysics*, Oslo, Universitetsforlaget, p. 47-55.
- 1972 Dalziel, I.W.D., K-Ar dating of rocks from Elephant Island, South Scotia Ridge. *Geological Society of America Bulletin*, v. 83, p. 1887-1894.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1972 Dalziel, I.W.D. and R. Cortés, Tectonic style of the southernmost Andes and the Antarcticandes. Proceedings of the 24th International Geological Congress, Montreal, Canada, 1972, Section 3, p. 316-327.
- 1972 Dott, R.H., Jr., and I.W.D. Dalziel, Age and correlation of the Precambrian Baraboo quartzite of Wisconsin. *Journal of Geology*, v. 80, p. 552-568.
- 1973 Dalziel, I.W.D., Kligfield, R., Lowrie, W. and N.D. Opdyke, Paleomagnetic data from the southernmost Andes and the Antarcticandes, in D.H. Tarling and S.K. Runcorn (Eds.), *Implications of Continental Drift to the Earth Sciences*, v. 1, Academic Press, London, p. 87-101.
- 1973 Dalziel, I.W.D. and D.H. Elliot, The Scotia Arc and Antarctic Margin, in A.E.M. Nairn and F.G. Stehli (Eds.), *The Ocean Basins and Margins: 1. The South Atlantic*, Plenum Press, New York, p. 171-245.
- 1974 Dalziel, I.W.D., de Wit, M.J. and K.F. Palmer, Fossil marginal basin in the Southern Andes. *Nature*, v. 250, p. 291-294.
- 1974 Dalziel, I.W.D., Margins of the Scotia Sea, in C.A. Burk and C.L. Drake (Eds.), *The Geology of Continental Margins*, Springer-Verlag, New York, p. 567-579.
- 1974 Brocoum, S.F. and I.W.D. Dalziel, The Sudbury basin, the Southern Province, the Grenville Front, and the Penokean orogeny. *Geol. Soc. Amer. Bull.*, v. 85, p. 1571-1580.
- 1974 Dalziel, I.W.D., Caminos, P., Palmer, K.F., Nullo, F. and R. Casanova, South extremity of Andes: Geology of the Isla de los Estados, Argentina Tierra del Fuego. *Amer. Assoc. Petrol. Geol. Bull.*, v. 58, p. 2502-2512.
- 1975 Dalziel, I.W.D., Dott, R.H., Jr., Winn, R.D., Jr., and R.L. Bruhn, Tectonic relations of South Georgia Island to the southernmost Andes. *Geol. Soc. Amer. Bull.*, v. 86, p. 1034-1040.
- 1975 Dalziel, I.W.D., The sub-Antarctic islands, in R.W. Fairbridge (Ed.), *The Encyclopedia of World Regional Geology, Part 1: Western Hemisphere (including Antarctica and Australia)*, Dowden, Hutchinson and Ross, Inc., Stroudsburg, Pennsylvania, p. 465-480.
- 1975 Dalziel, I.W.D. and G. Stirewalt, The stress history of folding and cleavage development: Baraboo syncline, Wisconsin. *Geol. Soc. Amer. Bull.*, v. 86, p. 1671-1690.
- 1976 Tarney, J., Dalziel, I.W.D., and M.J. de Wit, Marginal basin 'Rocas Verdes' complex from S. Chile: A model for Archaean greenstone belt formation, in: B.F. Windley (Ed.), *Early History of the Earth*, Wiley, London, p. 131-146.
- 1977 Bruhn, R.L. and I.W.D. Dalziel, Destruction of the Early Cretaceous marginal basin in the Andes of Tierra del Fuego, in M. Talwani and W.C. Pitman, III (Eds.), *Maurice Ewing Series, Vol. 1: Island Arcs, Deep Sea Trenches, and Back-Arc Basins*, Am. Geophys. Union, Washington, p. 395-405.
- 1977 Kligfield, R., Lowrie, W. and I.W.D. Dalziel, Magnetic susceptibility anisotropy as a strain indicator in the Sudbury basin, Ontario. *Tectonophysics*, v. 40, p. 287-308.
- 1977 Barker, P.F., Dalziel, I.W.D., *et al.*, Introduction and Reports on Sites 326, 327, 328, 329, 330 and 331 (Chapters 1 to 7), in: P.F. Barker, I.W.D. Dalziel *et al.*, *Initial Reports of the Deep Sea Drilling Project*, v. 36, U.S. Government Printing Office, Washington, D.C.
- 1977 Barker, P.F., Dalziel, I.W.D., *et al.*, The evolution of the southwestern Atlantic Ocean Basin: Leg 36 data, in: P.F. Barker, I.W.D. Dalziel, *et al.*, v. 36, U.S. Government Printing Office, Washington D.C.
- 1979 Dalziel, I.W.D. and K.F. Palmer, Progressive deformation and orogenic uplift at the southernmost extremity of the Andes. *Geol. Soc. Amer. Bull.*, v. 90, p. 259-280.
- 1979 Saunders, A.D., Tarney, J., Stern, C.R., and I.W.D. Dalziel, Geochemistry of Mesozoic marginal basin floor igneous rocks from southern Chile. *Geol. Soc. Amer. Bull.*, v. 90, p. 237-258.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1980 Nelson, E.P., Dalziel, I.W.D. and A.G. Milnes, Structural Geology of the Cordillera Darwin—Collisional-style orogenesis in the southernmost Chilean Andes. *Eclogae Geologicae Helveticae*, v. 73, p. 727-751.
- 1981 Dalziel, I.W.D., Elliot, D.H., Jones, D.L., Thomson, J.W., Thomson, M.R.A., Wells, N.A. and W.J. Zinsmeister, Triassic fossils from the South Orkney Islands, Scotia Ridge, and their geological significance. *Geological Magazine*, v. 118, p. 15-25.
- 1981 Dalziel, I.W.D., Back-arc extension in the southern Andes: A review and critical reappraisal. *Phil. Trans. R. Soc. Lond.*, v. A300, p. 319-335.
- 1982 Dalziel, I.W.D. and D.H. Elliot, West Antarctica: Problem child of Gondwanaland. *Tectonics*, v. 1, p. 3-19.
- 1982 Dalziel, I.W.D., Pre-Jurassic history of the Scotia Arc region, in: C. Craddock (Ed.), *Antarctic Geoscience*, University of Wisconsin Press, Madison, Wisconsin, p. 111-126.
- 1983 Barker, P.F. and I.W.D. Dalziel, Progress in Geodynamics in the Scotia Arc region, in R. Cabre, S.J. (Ed.), *Geodynamics of the Eastern Pacific Region, Caribbean and Scotia Arcs*, Geodynamic Series, Amer. Geophys. Union, v. 9, 137-170.
- 1983 Dalziel, I.W.D., Evolution of the Scotia Arc: A review, in R.L. Oliver, P.R. James and J. B. Jago, (Eds.), *Antarctic Earth Science*, Australian Academy of Science, Canberra, p. 283-288.
- 1983 Doake, C.S.M., Crabtree, R.D. and I.W.D. Dalziel, Sub-glacial morphology between Ellsworth Land and Antarctic Peninsula, in R.L. Oliver, P.R. James and J. B. Jago (Eds.), *Antarctic Earth Science*, Australian Academy of Science, Canberra, p. 270-273.
- 1985 Dalziel, I.W.D. and R.F. Forsythe, Andean evolution and the terrane concept, in D.G. Howell (Ed.), *Tectonostratigraphic Terranes of the Circum-Pacific Region*, Circum-Pacific Council for Energy and Mineral Resources Earth Science Series, Proceedings of the Circum-Pacific Terranes Conference, American Association of Petroleum Geologists, v. 1, p. 565-581.
- 1985 Dalziel, I.W.D. and A.M. Grunow, The Pacific margin of Antarctica: Terranes within terranes, in D.G. Howell (Ed.), *Tectonostratigraphic Terranes of the Circum-Pacific Region*, Circum-Pacific Council for Energy and Mineral Resources Earth Science Series, Proceedings of the Circum-Pacific Terranes Conference, American Association of Petroleum Geologists, v. 1, p. 555-564.
- 1986 Dalziel, I.W.D., Collision and Cordilleran orogenesis: An Andean Perspective, in Coward, M.P. and A.C. Ries (Eds.), *Collision Tectonics*, Geological Society of London Special Publication No. 19, p. 389-404.
- 1987 Dalziel, I.W.D. and R.J. Pankhurst, Joint UK-US West Antarctic Tectonics Project: An Introduction, in Gary D. McKenzie (Ed.), *Gondwana Six: Structure, Tectonics, and Geophysics*, American Geophysical Union, Geophysical Monograph Number 40, p. 107-108.
- 1987 Storey, B.C. and I.W.D. Dalziel, Outline of the Structural and Tectonic History of the Ellsworth Mountains-Thiel Mountains Ridge, West Antarctica, in Gary D. McKenzie (Ed.), *Gondwana Six: Structure, Tectonics, and Geophysics*, American Geophysical Union, Geophysical Monograph Number 40, p. 117-128.
- 1987 Grunow, A.M., Dalziel, I.W.D. and D. V. Kent, Ellsworth-Whitmore Mountains Crustal Block Western Antarctica: New Paleomagnetic Data and Their Tectonic Significance, in Gary D. McKenzie (Ed.), *Gondwana Six: Structure, Tectonics, and Geophysics*, American Geophysical Union, Geophysical Monograph Number 40, p. 161-172.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1987 Dalziel, I.W.D., Garrett, S.W., Grunow, A.M., Pankhurst, R.J., Storey, B.C., and W.R. Vennum, The Ellsworth-Whitmore Crustal Block: Its Role in the Tectonic Evolution of West Antarctica, in Gary D. McKenzie (Ed.), *Gondwana Six: Structure, Tectonics, and Geophysics*, American Geophysical Union, Geophysical Monograph Number 40, p. 173-182.
- 1987 Dalziel, I.W.D., Storey, B.C., Garrett, S.W., Grunow, A.M., Herrod, L.D.B., and R.J. Pankhurst, Extensional Tectonics and the Fragmentation of Gondwanaland. in : Dewey, J.F., Coward, M.P., and P. Hancock (Eds.), *Continental Extensional Tectonics*, Geological Society of London Special Publication No. 28, p.433-441.
- 1987 Grunow, A.M., Kent, D.V., and I.W.D. Dalziel, Mesozoic Evolution of West Antarctica and the Weddell Sea Basin: New Paleomagnetic Constraints, *Earth and Planetary Science Letters*, v. 86, p. 16-26.
- 1988 Storey, B.C., Dalziel, I.W.D., Garrett, S.W., Grunow, A.M., Pankhurst, R.J., and W. R. Vennum, West Antarctica in Gondwanaland: Crustal Blocks, Reconstruction and Break-up Processes, *Tectonophysics*, v. 155, p. 381-390.
- 1989 Dalziel, I.W.D. and Brown, R.L., Tectonic Denudation of the Cordillera Darwin Metamorphic Core Complex, Southernmost Andes: Implications for Cordilleran Tectonics, *Geology*, v. 17, p. 699-703.
- 1990 Dalziel, I.W.D., Circum-Pacific Orogenic Processes: A View From the Southernmost Andes and the Antarcticandes, in G.E. Ericksen, M.T. Cañas Pinochet, and J.A. Reinemund (Eds.), *Geology of the Andes and Its Relation to Hydrocarbon and Mineral Resources*, Houston, Texas, Circum-Pacific Council for Energy and Mineral Resources Earth Science Series, 11, p. 13-22.
- 1991 Dalziel, I.W.D., Pacific Margins of Antarctica and East Antarctica-Australia as Conjugate Rift Margins: Evidence and Implications, *Geology*, v. 19. p. 598-601.
- 1991 Cunningham, W.D., Klepeis, K.A., Gose, W.F., and I.W.D. Dalziel, The Patagonian Orocline: New Paleomagnetic Data from the Andean Magmatic Arc in Tierra del Fuego, Chile, *Journal of Geophysical Research*, v. 96, B10, p. 16,061-16,067.
- 1991 Grunow, A.M., Kent, D.V., and I.W.D. Dalziel, New Paleomagnetic Data From Thurston Island: Implications for the Tectonics of West Antarctica and Opening of the Weddell Sea, *Journal of Geophysical Research*, v. 96, B11, p. 17,935-17,954.
- 1991 Storey, B.C., Pankhurst, R.J., Millar, I.L., Dalziel, I.W.D., and A.M.Grunow, A new look at the geology of Thurston Island. in: M.R.A. Thomson, J.A. Crame and J.M. Thomson (Eds.), *Geologic Evolution of Antarctica*, Cambridge University Press, p. 399-403.
- 1991 Barker, P.F., Dalziel, I.W.D., and B.C.Storey, Tectonic Development of the Scotia Arc Region. in: R. Tingey (Ed.), *Geology of Antarctica*, Oxford University Press, 680 pp.
- 1992 Dalziel, I.W.D., Antarctica; A Tale of Two Supercontinents?, *Annual Review of Earth and Planetary Sciences*, v. 20, p. 501-526.
- 1992 Dalziel, I.W.D., and Grunow, A.M., Late Gondwanide Tectonic Rotations within Gondwanaland, *Tectonics*, v. 11, p. 603-606.
- 1992 Dalziel, I.W.D., On the Organization of American Plates in the Neoproterozoic and the Breakout of Laurentia, *GSA Today*, v. 2, p. 237-241.
- 1992 Dalla Salda, L., Dalziel, I.W.D., Cingolani, C. and Varela, R., Did the Taconic Appalachians continue into southern South America?, *Geology*, v. 20, p. 1059-1062.
- 1992 Grunow, A.M., Dalziel, I.W.D., Harrison, T.M., and M.T. Heizler, Structural geology and geochronology of subduction complexes along the margin of Gondwanaland: New data from the Antarctic Peninsula and southernmost Andes, *Geological Society of America Bulletin*, v. 104, p. 1497-1514.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1992 Dalziel, I.W.D., Orogenic Belts, in P.M.D. Duff (Ed.), Arthur Holmes' Physical Geology (4th Edition), Chapman and Hall, London, Chapter 31. p. 724-777.
- 1992 Storey, B.C., Alabaster, T., Macdonald, D.I.M., Millar, I.L., Pankhurst, R.J., and Dalziel, I.W.D., Upper Proterozoic rift-related rocks in the Pensacola Mountains, Antarctica: Precursors to supercontinent breakup?, *Tectonics*, v. 11, p. 1392-1405.
- 1993 Lawver, L.A., Dalziel, I.W.D., and Sandwell, D.T., Antarctic plate: tectonics from a gravity anomaly and infrared satellite image, *GSA Today*, v. 3, p. 117-122.
- 1993 Kohn, M.J., Spear, F.S., and Dalziel, I.W.D., Metamorphic *P-T* Paths from the Cordillera Darwin, a Core Complex in Tierra del Fuego, Chile, *Journal of Petrology*, 34, p. 519-542.
- 1993 Dalla Salda, L.H., and Dalziel, I.W.D., Evolución paleogeográfica del occidente del Gondwana durante el Neoproterozoico-Paleozoico Medio, Primer Simposio Internacional del Neoproterozoico-Cámbrico de la Cuenca del Plata, Tomo I.
- 1993 Dalziel, I.W.D., Tectonic tracers and the origin of the proto-Andean margin, Proceedings XII Congreso Geológico Argentino, Mendoza, Argentina, Tomo III, p. 367-374.
- 1993 Dalla Salda, L.H., and Dalziel, I.W.D., O supercontinente Neoproterozóico e as interações Gondwana-Laurentia durante o Paleozóico inferior-médio, *Revista Brasileira de Geociências*, v. 23, p. 1-8
- 1994 Dalziel, I.W.D., Dalla Salda, L.H., and Gahagan, L.M., Paleozoic Laurentia-Gondwana Interaction and the Origin of the Appalachian-Andean Mountain System, *Geological Society of America Bulletin*, v. 106, p. 243-252.
- 1994 Dalziel, I.W.D., Precambrian Scotland as a Laurentia-Gondwana link: Origin and Significance of Cratonic Promontories, *Geology*, v. 22, p. 589-592.
- 1994 DiVenere, V., Kent, D.V. and Dalziel, I.W.D., Mid-Cretaceous paleomagnetic results from Marie Byrd Land, West Antarctica: A test of post-100 Ma relative motion between East and West Antarctica, *Journal of Geophysical Research*, v. 99, p. 15115-15139.
- 1995 Dalziel, I.W.D., Earth Before Pangea, *Scientific American*, v. 272, p. 58-63.
- 1995 Kohn, M.J., Spear, F.S., Harrison, T.M. and Dalziel, I.W.D., ⁴⁰Ar/³⁹Ar geochronology and *P-t* paths from the Cordillera Darwin metamorphic complex, Tierra del Fuego, Chile, *Journal of Metamorphic Geology*, v. 13, p. 251-270.
- 1995 DiVenere, V. J., Kent, D. V., and Dalziel, I. W. D., Early Cretaceous paleomagnetic results from Marie Byrd Land, West Antarctica: implications for the Weddellia collage of crustal blocks, *Journal of Geophysical Research*, v. 100, no. B5, p. 8133-8152.
- 1995 Cunningham, W. D., Dalziel, I. W. D., Lee, T.-Y., and Lawver, L. A., Southernmost South America-Antarctic Peninsula relative plate motions since Gondwana break-up: Implications for the tectonic evolution of the Scotia Arc region, *Journal of Geophysical Research*, v. 100, no. B5, p. 8257-8266.
- 1995 Dalziel, I. W. D., Neoproterozoic and Paleozoic Plate Tectonics: A New Scenario, *The Earth Scientist*, v. 12, p. 3-12.
- 1995 Dalziel, I. W. D., Paleogeography, in McGraw-Hill Staff, (Eds.), McGraw-Hill *Yearbook of Science & Technology*, New York, McGraw-Hill, p. 243-247
- 1995 Storey, B. C., Macdonald, D. I. M., Dalziel, I. W. D., Isbell, J. L., and Millar, I. L., Early Paleozoic sedimentation, magmatism and deformation in the Pensacola Mountains, Antarctica: The significance of the Ross Orogeny: *Geological Society of America Bulletin*, v. 108, p. 685-707.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 1996 DiVenere, V., Kent, D. V., and Dalziel, I. W. D., Summary of paleomagnetic results from West Antarctica: implications for the tectonic evolution of the Pacific margin of Gondwana during the Mesozoic, *in* Storey, B. C., King, E. C., and Livermore, R. A., (Eds.), *Weddell Sea Tectonics and Gondwana Break-up*, v. Special Publication no. 108, London, The Geological Society, p. 31-43.
- 1996 Mukasa, S. B., and Dalziel, I. W. D., Southernmost Andes and South Georgia Island, North Scotia Ridge, Zircon U-Pb and Muscovite ⁴⁰Ar/³⁹Ar age constraints on tectonic evolution of southwestern Gondwanaland: *Journal of South American Earth Sciences*, v. 9, no. 5-6, p. 349-366.
- 1997 Dalziel, I. W. D., Neo-Proterozoic-Paleozoic Geography, and Tectonics: Review, Hypothesis, Environmental Speculation, *Geological Society of America Bulletin*, v. 108 no. 1, p. 16-42.
- 1997 Gose, W.A., Dalziel, I.W.D., Helper, M.A., Hutson, F., and J. Connelly, Paleomagnetic results and U-Pb isotopic ages from Coats Land, Antarctica: A test of the SWEAT hypothesis, *Journal of Geophysical Research*., v. 102, no. B4, p. 7887-7902.
- 1998 Sen, V., Stoffa, P.L., Dalziel, I.W.D., Blankenship, D.D., Smith, A.M., and S. Anandakrishnan, Seismic surveys in West Antarctica: Data and processing examples from the ANTALITH field tests (1994-1995), *Terra Antarctica*, v. 5, no. 4, 761-772
- 1999 Dalziel, I.W.D., Vestiges of a beginning and the prospect of an end. In *James Hutton—Past and Future*, G.Y. Craig and J.H. Hull (Eds.), *Geological Society of London Special Publications*, 150, 119-155.
- 2000 Mukasa, S.B., and Dalziel, I.W.D., Marie Byrd Land, West Antarctica; evolution of Gondwana's Pacific margin constrained by zircon U-Pb geochronology and feldspar common-Pb isotopic compositions: *Geological Society of America Bulletin*, v. 112, p. 611-627.
- 2000 Dalziel, I.W.D., Supercontinents, McGraw-Hill *Encyclopedia of Science and Technology*, 9th Edition.
- 2000 Dalziel, I.W.D., and Lawver, L.A., The lithospheric setting of the West Antarctic Ice Sheet, Antarctic Research Series: *American Geophysical Union Monograph on the West Antarctic Ice Sheet*: Washington, DC, American Geophysical Union, v. 77, p. 29-44.
- 2000 Dalziel, I.W.D., Mosher, S., and Gahagan, L.M., Laurentia-Kalahari Collision and the Assembly of Rodinia: *Journal of Geology*, v. 108, p. 499-513.
- 2000 Dalziel, I.W.D., Lawver, L.A., and Murphy, B., Plumes, orogenesis, and supercontinental fragmentation. *Earth and Planetary Science Letters*, v. 178, no. 1-2, p. 1-11.
- 2001 Dalziel, I.W.D., and Soper, N.J., Neoproterozoic extension and Early Paleozoic orogeny on the Scottish Promontory of Laurentia: paleogeographic and tectonic implications: *Journal of Geology*, v. 109, p. 299-317.
- 2001 Dalziel, I.W.D., Global perspectives on the Scottish Caledonides. *Transactions of the Royal Society of Edinburgh: Earth Sciences*. v. 91, p. 405-420.
- 2003 Barker, D.H.N., Christeson, G.L., Austin, J., James A., and Dalziel, I.W.D., Back-arc basin evolution and Cordilleran orogenesis: insights from new ocean bottom seismograph refraction profiling in Bransfield Strait, Antarctica: *Geology*, v. 31, p. 107-110.
- 2003 Christeson, G.L., Barker, D.H.N., Austin, J.A., Jr., and Dalziel, I.W.D., Deep Crustal Structure of Bransfield Strait: Initiation of a Barkarc Basin by Rift Reactivation and Propagation: *Journal of Geophysical Research*, v. 108, p. doi:10.1029/2003JB002468.
- 2003 Macdonald, David, Gomez-Perez, Irene, Franzese, Juan, Spalletti, Luis, Lawver, Lawrence, Gahagan, Lisa, Dalziel, Ian, Thomas, Chris, Trewin, Nigel, and Hole, Malcolm, Mesozoic break-up of SW Gondwana: implications for South Atlantic regional hydrocarbon potential, *Marine & Petroleum Geology*, v.20, p. 287-308.

BIBLIOGRAPHY

(Reviewed contributions only; non-reviewed contributions, abstracts, etc., in Appendix)

- 2003 Loewy, Staci L., Connelly, James N., Dalziel, Ian W. D., and Gower, Charles F., Eastern Laurentia in Rodinia: constraints from whole-rock Pb and U/Pb geochronology *Tectonophysics*, v. 375, Issues 1-4 (6 November 2003), p. 169-197.
- 2003 Robert Smalley, Jr., Eric Kendrick, Michael Bevis, Ian Dalziel, Frederick Taylor, Eduardo Lauria, Rodrigo Barriga, Gino Gasassa, Eduardo Olivero, and Ernesto Piana, Determination of Scotia-South America relative plate motion and crustal deformation of their plate boundary from GPS Geodesy, *Geochemistry, Geophysics, Geosystems*, v. 4, n. 9 (19 September 2003) American Geophysical Union.
- 2004 Loewy, S., Connelly, J. N., and Dalziel, I. W. D., An orphaned basement block: The Arequipa-Antofalla Basement of Andean South America, *Geological Society of America Bulletin*, v. 116, no. 1/2, p. 171-187.
- 2004 Hanson, Richard E., Bowring, Samuel A., Crowley, James L., Ramezani, Jahan, Gose, Wulf A., Dalziel, Ian W. D., Pancake, James A., Seidel, Emily K., Bullen, Dean S., Ward, Susan E., Hall, R. Peter, Blenkinsop, Thomas G., Mukwakwami, Joshua, Coeval Large-Scale Magmatism in the Kalahari and Laurentian Cratons During Rodinia Assembly. *Science*, v. 304, n. 5674, p. 1126-1129.
- 2006 Hanson, R.E., Harmer, R.E., Key, R.M., Blenkinsop, T.G., Bullen, D.S., Dalziel, I.W.D., Gose, W.A., Hall, R.P., Kampunzu, A.B., Mukwakwami, J., Munyanyiwa, H., Pancake, J.A., Ward, S.E., Mesoproterozoic magmatic and tectonic evolution of the Kalahari Craton in Kampunzu, A.B., Hanson, R.E., Key, R., McCourt, S., and Tack, L. (Eds.), *Kibiraan Orogenic System of Africa: Journal of African Earth Sciences Special Issue*. vol. 46, no. 1-2, p. 141-167
- 2006 Gose, W. A., Hanson, R. E., Dalziel, I. W. D., Pancake, J. A., and Seidel, E. K., Paleomagnetism of the 1.1 Ga Umkondo large igneous province in southern Africa, *Journal of Geophysical Research*, v. 111, No. B9, B09101, doi: 10.1029/2005JB003897.
- 2007 Dalziel, The Ellsworth Mountains: Critical and enduringly enigmatic, U.S. Geological Survey and The National Academies; USGS OF-2007-1047, Short Research Paper 004; doi:10.3133/of2007-1047.srp004, *10th International Symposium on Antarctic Earth Sciences*, 5 pgs.
- In press Smalley, Jr., R., Kendrick, E., Bevis, M.G., Dalziel, I.W.D., Taylor, F., Lauria, E., Barriga, R., Casassa, G., Olivero, E., and Piana, E. Relative plate motion and crustal deformation across the Scotia-South America plate boundary in eastern Tierra del Fuego from GPS Geodesy, *Bollettino di Geofisica Teorica ed Applicata*.
- In press Kendrick, Eric, Bevis, Michael, Smalley, Jr., Robert, Barriga, Rodrigo, Casassa, Gino, O'Connell, Richard, Normandeau, James, Mayhew, Michael, Dalziel, Ian, Taylor, Jr., Frederick, Angermann, Detlef, Klotz, Juergen, Ivins, Erik. Postglacial rebound in Patagonia and tectonic control of earth viscoelastic response time. *Science*.
- Submitted Taylor, Frederick W., Bevis, Michael G., Dalziel, Ian W. D., Smalley, Jr., Robert, Frohlich, Cliff, Kendrick, Eric, Foster, James, Phillips, David, and Gudipati, Krishnavikas, Kinematics of the Bransfield Strait-South Shetland Islands continental margin, northern Antarctic Peninsula, *Geophysical Research Letters*.
- Submitted Smalley, Jr., R., Dalziel, I.W.D., Bevis, M.G., Kendrick, E., Stamps, D.S., King, E., Taylor, F.W., Laur, E., Zakrajsek, A., Barriga, R., Scotia Arc Kinematics from GPS Geodesy, *Geophysical Research Letters*.

IAN W. D. DALZIEL
APPENDIX TO CURRICULUM VITAE

TEACHING EXPERIENCE

- Structural geology** Conducted laboratory and undergraduate field classes in Edinburgh (1959-63); in charge of structural geology teaching at undergraduate and graduate levels University of Wisconsin (1963-66) and Columbia University (1967-1985); conducted course in Tectonic History of the Continents at The University of Texas at Austin (1986-1988) and occasional lectures (1989-Present).
- Field geology** Conducted field trips and field courses in Edinburgh, Wisconsin, and Columbia (1959-1985); directed field research of graduate students at Texas 1985-Present.

FIELD EXPERIENCE

- 1957 Gravity survey of East Anglia, England, with geophysical unit of H.M. Geological Survey.
- 1958 Summer field study in Alps under Professor W.D. Gill of Imperial College, London (1 month).
- 1958 Mapping of strongly deformed L. Paleozoic sediments in Southern Uplands of Scotland under Professors E.K. Walton and G.Y. Craig (2 months).
- 1959-63 Detailed structural field work for Ph.D. thesis in Moinian of Scottish Highlands (3-4 months per year).
- 1964-66 Detailed structural studies along Grenville Front in Ontario, Quebec, and Labrador, Canadian Shield (2 months per year).
- 1965-67 Study of structures in granulite facies rocks, Churchill Province of Canadian Shield, Arctic Canada (6 weeks each year).
- 1967 Completion of work in Scottish Caledonides (8 weeks).
- 1968 Study of recent fault zone in Alaska (1 month).
- 1968 Structural studies in Precambrian of southcentral Wisconsin (2 months).
- 1969 Structural studies in S. Shetland Islands; Scotia Arc (2 months).
- 1969 Structural studies in Precambrian of southcentral Wisconsin (1 month).
- 1969 Structural studies in southernmost Andes and S. Shetland Islands, Scotia Arc (2 months).
- 1969 Structural studies in Precambrian of southwest Wisconsin (2 months).
- 1970 Structural studies in southernmost Andes, S. Shetland Islands and Antarctic Peninsula (3 months).
- 1971 South Orkney Islands (2 months).
- 1972 Structural studies in southernmost Andes (3 months).
- 1972 Study of meteor impact site at Sudbury, Ontario (1 month).
- 1973 Structural studies on South Georgia Island, North Scotia Ridge (2 months).
- 1974 Structural and petrologic studies in southern Andes (1 month).
- 1975 Structural and petrologic studies in southern Andes (2 months).
- 1976 Structural and petrologic studies in South Shetland Islands and southern Andes (3 months).
- 1977 Structural studies in South Orkney Islands and southern Andes (2 months).
- 1976-77 Field experience in Western Alps and Mediterranean region.
- 1978 Six weeks field work southernmost Andes.
- 1978 Eight weeks field study in Alps, Apennines and Corsica.
- 1978 Eight weeks field work in Cordillera Darwin, southern Andes.
- 1979 Five weeks field work in Patagonian Andes.
- 1979 Brief field season in Cape fold belt, S. Africa.
- 1979-80 Ellsworth Mountain Expedition, Antarctica (6 weeks).
- 1980 Four weeks field work in New Zealand.
- 1980 Field season in southern Andes.

FIELD EXPERIENCE

- 1981-82 Two months field work in Andean foothills of Chilean Patagonia and Argentine Tierra del Fuego.
- 1983 Three months field work in Patagonia and Tierra del Fuego.
- 1983-84 Field work in West Antarctica (2 months).
- 1984 Field work in Cordillera Darwin, Tierra del Fuego (1 month).
- 1984 Field work in the Brazilian shield (1 month).
- 1984-85 Field work in West Antarctica (2 months).
- 1985 Field work, South Georgia Island, Scotia Arc (1 month).
- 1986 Field work, Isla de los Estados, Argentina (1 month).
- 1986-87 Field work, South Shetland Islands (6 weeks).
- 1987 Field work, Cordillera Darwin, Chilean Andes (1 month).
- 1987-88 Field work, Pensacola Mountains, Antarctica (2 months).
- 1990-91 Field work, Marie Byrd Land, Antarctica (2 months).
- 1991 Field work, Tierra del Fuego, (1 month).
- 1992 Field work, Marie Byrd Land, Antarctica (2 months).
- 1993-94 Field work, Shackleton Range, Antarctica (2 months).
- 1995 Field work, Kimberley Basin, Australia (6 weeks)
- 1995 Field work, NW Argentina and northern Chile (3 weeks)
- 1996 Field work, Antarctica (35 days)
- 1997 Field work, Madagascar (14 days)
- 1998 Field work, Tierra del Fuego & Falkland Islands (4 weeks)
- 1998 Field work, western Ireland (10 days)
- 1998 Field work, Western Australia (1 week)
- 1998 Field work, Scotland (2 weeks)
- 1999 Field work, southwestern Africa, (4 weeks)
- 2000 Field work, northern Highlands of Scotland
- 2000 Field work, Peru
- 2001 Field work, Scottish Highlands
- 2001 Field work, southern Africa
- 2002 Field work, Scottish Highlands (2 weeks)
- 2002 Field work, southern Africa (4 weeks)
- 2002 Field work, Antarctica (4 weeks)
- 2003 Field work, Antarctica (4 weeks)
- 2004 Field work, Ireland (2 weeks)
- 2005 Field work, Argentina (2 weeks)
- 2005 Field work, Scottish Highlands (1 week)
- 2005 Field work, Western Australia coast (2 weeks)
- 2005 Field work, Antarctica (4 weeks)
- 2005-2006 Field work, Antarctica (8 weeks)
- 2007 Field work, Tanzania (4 weeks)

SHIPBOARD EXPERIENCE

- 1969 Four months' field work from USCGC *Edisto* and R/V *Hero* in South Shetland Islands and Patagonian Canals.
- 1970 One month field work from USCGC *Glacier* in South Shetland Islands and Antarctic Peninsula.
- 1971 Senior Scientist, Cruise 71-1 of R/V *Hero*, Palmer Station, Antarctica, to Punta Arenas, Chile (February and March).

SHIPBOARD EXPERIENCE

- 1972 Senior Scientist, Cruise 72-2 of R/V *Hero*, Punta Arenas, Chile—Isla de los Estados, Argentina—Punta Arenas, Chile (April and May).
- 1974 Co-Chief Scientist of D/V *Glomar Challenger*, Deep Sea Drilling Project Leg 36 (Ushuaia, Argentina—Rio de Janeiro, Brazil).
- 1975 Senior Scientist, Cruise 75-4 of R/V *Hero*, Punta Arenas, Chile-Puerto Montt, Chile (June and July).
- 1976 Senior Scientist, Cruise 76-1 of R/V *Hero*, Ushuaia, Argentina-Ushuaia, Argentina (January and February).
- 1977 Senior Scientist, Cruise 77-1 of R/V *Hero*, Ushuaia, Argentina-South Orkney Islands-Ushuaia, Argentina (January).
- 1978 Senior Scientist, Cruise 78-2 of R/V *Hero*, Cordillera Darwin, southern Andes (May and June).
- 1979 Principal Investigator, Cruises 79-5 and 79-6 of R/V *Hero*, Patagonian Andes (June and July).
- 1981 Lecturer for Smithsonian Institution Antarctic Study Cruise, M.S. *World Discoverer*.
- 1983 Senior Scientist, Cruise 83-4 of R/V *Hero*, Chilean Tierra del Fuego.
- 1984 Senior Scientist, Cruise 84-3 of R/V *Hero*, Chilean Tierra del Fuego.
- 1985 Senior Scientist, Cruise 85-4 of R/V *Polar Duke*, South Georgia Island.
- 1986 Chief Scientist, Cruise 86-4 of R/V *Polar Duke*, Joint US-Argentine Cruise, Isla de los Estados, Argentina.
- 1986-87 Co-Chief Scientist, USCGC *Glacier*, December-January Antarctic Cruise.
- 1987 Chief Scientist, R/V *Polar Duke*, January 1987, Elephant Island.
- 1987 Chief Scientist, Cruise 87-3 of R/V *Polar Duke*, Cordillera Darwin, Chilean Andes.
- 1989 Chief Scientist, Cruise 89-1 of R/V *Polar Duke*, Tectonics of the Scotia Arc.
- 1992 Chief Scientist, Cruise 92-1 of USCGC *Polar Sea*, Marie Byrd Land and Pine Island Bay, Antarctica.
- Apr. 2000 Co-PI, Cruise of R/V *Nathaniel B. Palmer* for NSF project “The young marginal basin as a key to understanding the rift-drift transition and Andean Orogenesis: OBS Refraction profiling for crustal structure in Bransfield Strait”
- Oct. 2000 Co-PI, 2nd cruise of R/V *Nathaniel B. Palmer* for NSF project above.

CONVENER OF WORKSHOPS, CONFERENCES, ETC.

- July 1989 Convener, Poster Session on Antarctic Geology, 28th International Geological Congress, Washington, D.C.,
- March 1996 Convener, Symposium on Origin and Evolution of Ouachita Embayment, South-Central GSA Meeting, Austin, Texas.
- 1997 Convener, Symposium on the Iapetus Ocean Basin, Geological Society of America Annual Meeting, Salt Lake City, Utah,
- 1999 Co-Convener, Symposium on Antarctic Neotectonics, European Union of Geosciences, Strasbourg, France,

ADDITIONAL BIBLIOGRAPHY*Non-reviewed articles in professional journals*

- 1969 Dalziel, I.W.D., Structural studies in the Scotia Arc: Livingston Islands. *Antarctic Journal of the United States*, v. IV, p. 137.
- 1970 Dalziel, I.W.D., Structural studies in the Scotia Arc: The Patagonian and Fuegian Andes. *Antarctic Journal of the United States*, v. V, p. 99-100.

Non-reviewed articles in professional journals

- 1970 Dalziel, I.W.D., Price, D.P. and G.L. Stirewalt, Structural studies in the Scotia Arc: Elephant Island, Gibbs Island, Hope Bay and Livingston Island. *Antarctic Journal of the United States*, v. V, p. 100-101.
- 1971 Dalziel, I.W.D., Structural studies in the Scotia Arc: Canal Beagle, Tierra del Fuego. *Antarctic Journal of the United States*, v. VI, p. 122-124.
- 1971 Dalziel, I.W.D., Structural studies in the Scotia Arc: The South Orkney Islands. R/V *Hero* Cruise 71-1. *Antarctic Journal of the United States*, v. VI, p. 124-126.
- 1972 Dalziel, I.W.D., Structural studies in the Scotia Arc: Isla de los Estados, Argentina: R/V *Hero* Cruise 72-2. *Antarctic Journal of the United States*, v. VII, p. 151-152.
- 1973 Dalziel, I.W.D. and K.F. Palmer, Structural studies in the Scotia Arc: Cordillera Darwin, Tierra del Fuego. *Antarctic Journal of the United States*, v. VIII, p. 11-14.
- 1973 Dalziel, I.W.D. and R.H. Dott, Jr., Structure and sedimentology in the Scotia Arc: South Georgia and the southernmost Andes. *Antarctic Journal of the United States*, v. VIII, p. 152-154.
- 1974 Barker, P.F., Dalziel, I.W.D., et al., Southwestern Atlantic. *Geotimes*, v. 19, p. 16-18.
- 1974 Dalziel, I.W.D. and P.F. Barker, Deep Sea Drilling Project Leg 36: southernmost Atlantic. *Antarctic Journal of the United States*, v. IX, p. 312.
- 1974 Dalziel, I.W.D. and R.H. Dott, Jr., Structure and sedimentology in the Scotia Arc: the southernmost Andes. *Antarctic Journal of the United States*, v. IX, p. 244-246.
- 1975 Dalziel, I.W.D., Scotia Arc tectonics project, 1969-1975. *Antarctic Journal of the United States*, v. X, p. 70-81.
- 1975 Dalziel, I.W.D., de Wit, M. J. and C.R. Stern, Structural and petrologic studies in the Scotia Arc. *Antarctic Journal of the United States*, v. X, p. 180-182.
- 1975 Dalziel, I.W.D., de Wit, M.J., and W.I. Ridley, Structure and petrology of the Scotia Arc and the Patagonian Andes: R/V *Hero* Cruise 75-4. *Antarctic Journal of the United States*, v. X, p. 307-310.
- 1976 Dalziel, I.W.D., Structural studies in the Scotia Arc: “basement” rocks of the South Shetland Islands (R/V *Hero* Cruise 76-1). *Antarctic Journal of the United States*, v. XI, p. 75-77.
- 1977 Dalziel, I.W.D., Elliot, D.H., Thomson, J.W., Thomson, M.R.A., Wells, N.A. and W.J. Zinsmeister, Geologic studies in the South Orkney Islands, R/V *Hero* Cruise 77-1, January 1977. *Antarctic Journal of the United States*, v. XII, p. 98-101.
- 1979 Nelson, E., Dalziel, I.W.D., and W.I. Ridley, Geological studies in Cordillera Darwin Tierra del Fuego, Southern Chile, R/V *Hero* Cruise 77-4 and 78-2. *Antarctic Journal of the United States*, v. XIV, p. 14.
- 1979 Dalziel, I.W.D., Allen, R.B., Elthon, D.L., Forsythe, R.D., Nelson, E.P., Wilson, T.J. and M.A. Winslow, Scotia Arc Tectonics Project, 1978-79. *Antarctic Journal of the United States*, v. XIV, p. 17.
- 1981 Doake, C.S.M., Crabtree, R.D., and I.W.D. Dalziel, Airborne radio echo sounding in Ellsworth Land and Ronne Ice Shelf. *Antarctic Journal of the United States*, v. XVI, p. 83.
- 1982 Dalziel, I.W.D., Tectonics of the Scotia Arc region. *Antarctic Journal of the United States*, v. XVII, p. 43.
- 1983 Dalziel, I.W.D., Geologic transect across the southernmost Chilean Andes: Report of R/V *Hero* Cruise 83-4. *Antarctic Journal of the United States*, v. XVIII, no. 4, p. 8-12.
- 1983 Wilson, T.J. and I.W.D. Dalziel, Geology of the Ultima Esperanza fold-thrust belt, southernmost Andes. *Antarctic Journal of the United States*, v. XVIII, no. 5, p. 75-76.
- 1984 Dalziel, I.W.D., The Scotia Arc: An international geologic laboratory. *Episodes*, v. 7, no. 3, p. 8-13.

Non-reviewed articles in professional journals

- 1984 Dalziel, I.W.D. and R.J. Pankhurst, Tectonics of West Antarctica and its relation to East Antarctica: Joint USARP-British Antarctic Survey Geology/Geophysics Project. *Antarctic Journal of the United States*, v. 19, p. 35-36.
- 1987 Dalziel, I.W.D. and R.J. Pankhurst, Tectonics of West Antarctica and its relation to East Antarctica: Joint USARP-British Antarctica Survey Geology/Geophysics Project. *Antarctic Journal of the United States*, v. 20, no. 5, p. 40-41.
- 1992 Dalziel, I.W.D., The southern rim of the Pacific Ocean: Preliminary geologic report of the Amundsen Sea—Bellingshausen Sea cruise of the *Polar Sea*, 12 February-21 March 1992. *Antarctic Journal of the United States*, v. 27, no. 2, p. 11-14.
- 1995 Dalziel, I.W.D., Helper, M.A., Hutson, F.E., and S. W. Grimes, Geologic investigations in the Shackleton Range and Coats Land nunataks, Antarctica. *Antarctic Journal of the United States*, v. 29, no. 5, p. 4-6.

Reviews, Discussions, Reports, Etc.

- 1962 Dalziel, I.W.D., Structural control of magmatization in the East Greenland Caledonides. Discussion of paper by J. Haller. *Proc. Geol. Soc. Lond.*, no. 1594, p. 30.
- 1968 Dalziel, I.W.D., "Folding and fracturing of rocks" by J. G. Ramsay, New York, McGraw-Hill. *Trans. Amer. Geophysical Union*, v. 49, p. 392-393 (review).
- 1971 Brown, R.L., Dalziel, I.W.D. and M.R.W. Johnson, The Moines of Ardgour, Moidart and Sunart (Argyll and Inverness-shire). *Scot. J. Geol.*, v. 7, no. 1, p. 90. (Reply to discussion by D. Powell.)
- 1976 Brocoum, S.J. and I.W.D. Dalziel, The Sudbury Basin, the Southern province, the Grenville front, and the Penokean orogeny: Discussion and reply. *Geol. Soc. Amer. Bull.*, v. 87, no. 6, p. 958. (Reply to discussion by E.R. Brooks.)
- 1980 Dalziel, I.W.D., Comment on: Mesozoic evolution of the Antarctic Peninsula and the southern Andes by Barrison, C.G.A., Barron, E.J., and Hays. *Geology*, p. 260-261.
- 1981 Dalziel, I.W.D., A Supercontinent. *Science*, v. 214, no. 4517, p. 174.
- 1982 Dalziel, I.W.D., Tankard, A.J., Eriksson, K.A., Hunter, D.R., Jackson, M.P.A., Hobday, D.K. and W.E.L. Minter, Crustal Evolution of southern Africa. *Science*, v. 217, no. 4564, p. 1068 (review).
- 1983 Dalziel, I.W.D. and D.H. Elliot, The Antarctic Plate: A global perspective. *Geology*, v. 11, p. 118-120 (Penrose Conference Report).
- 1983 Dalziel, I.W.D., Plate Pursuits. *Nature*, v. 305, p. 495. (Review of new journal, *Tectonics*..)
- 1986 Dalziel, I.W.D., Observation of the Continental Crust through Drilling, I, C.B. Raleigh (Ed.), *Geology*, v. 14, no. 12, p. 1054-1055.
- 1988 Dalziel, I.W.D., Final Report for the National Science Foundation, New Directions for U.S.-Latin American Cooperation in Science and Technology, p. 162-168.
- 1988 A Plan for a United States Program to Study the Structure and Evolution of the Antarctic Lithosphere, Report for Division of Polar Programs, National Science Foundation.
- 1989 Dalziel, I.W.D., Field Trip Launches Year of the IGC, *Geotimes*, v. 34, no. 4, p. 10-13.
- 1989 Dalziel, I.W.D. and H. Zimmerman, Antarctic Geoscience Initiative, *EOS*, v. 70, no. 17, p. 546.
- 1992 Dalziel, I.W.D., Tectonics, *Geotimes*, v. 37, no. 2, p. 27-28. (Invited review.)
- 1992 Moores, E.M. and I.W.D. Dalziel, Southwest U.S.-East Antarctic (SWEAT) connection: A hypothesis and Pacific margins of Laurentia and East Antarctica-Australia as a conjugate rift pair: Evidence and implications for an Eocambrian supercontinent. *Geology*, v. 20, no. 1, p. 87-88. (Reply to comment by A.J. Boucot.)

Reviews, Discussions, Reports, Etc.

- 1992 Dalziel, I.W.D., Pacific margins of Laurentia and East Antarctica-Australia as a conjugate rift pair: Evidence and implications for an Eocambrian supercontinent. *Geology*, v. 20, no. 2, p. 190-191. (Reply to comment by R. Stern, et al.)
- 1992 Dalziel, I.W.D., The future of scientific drilling in Antarctic waters. *Antarctic Science*, v. 4, no. 1, p. 1. (Guest editorial.)
- 1993 Dalziel, I.W.D., Tectonics, *Geotimes*, v. 38, no. 2, p. 22.
- 1994 Dalziel, I.W.D., A. Knoll, and E. Moores, Late Precambrian Tectonics and the Dawn of the Phanerozoic. *GSA Today*, v. 4, p. 8-9 (Penrose Conference Report).
- 1994 Dalziel, I.W.D., "Geology and Paleontology of the Ellsworth Mountains, West Antarctica" by G.F. Webbers, C. Craddock and J.F. Splettstoesser, eds., Geological Society of America Memoir 170, Boulder, Geological Society of America. *Economic Geology*, v. 7, p. 1917 (review).
- 1995 Dalziel, I.W.D. and M.A.S. McMenamin, Are Neoproterozoic glacial deposits preserved on the margins of Laurentia related to the fragmentation of two supercontinents? by Young, G. M. *Geology*, v. 23, p. 959. (Comment)
- 1996 Dalziel, I.W.D. and L.H. Dalla Salda, Discussion on Ordovician paleogeography of Siberia and adjacent continents by Torsvik, T. H., Tait, J., Moralev, V. M., McKerrow, W. S., Sturt, B. A., and Roberts, D. *Journal of the Geological Society, London*, v. 153, p. 329-330.
- 1996 Dalziel, I.W.D. and L.H. Dalla Salda, Discussion of: The Early Paleozoic Evolution of the Argentine Precordillera as a Laurentian Rifted, Drifted, and Collided Terrane—A Geodynamic Model by Astini, R. A., Benedetto, J. L., and Vaccari, N. E. *Geological Society of America Bulletin*, v., 108, p. 371-373.
- 1996 Dalziel, I. W. D., Dalla Salda, L. H., Cingolani, C., and Palmer, A. R., The Argentine Precordillera: A Laurentian Terrane? (Penrose Conference Report): *GSA Today*, v. 6, no. 2, p. 16-18.
- 1998 Dalziel, I.W.D., Astini, Ricardo A., Early Paleozoic paleogeography of Laurentia and western Gondwana: Evidence from tectonic subsidence analysis: Comment and Reply, *Geology*, v. 26, no. 6, p. 575-576.
- 1998 Dalziel, I.W.D., Neoproterozoic-Early Paleozoic geography and tectonics: Reply to comments by W. Thomas and G. Viele, *Geological Society of America Bulletin*, v. 110, p. 1619-1620
- 1999 Dalziel, I.W.D., Tectonic setting of Lake Vostok, Lake Vostok Report, Lamont-Doherty Earth Observatory, R. Bell and D. Karl, Eds.
- 2000 Dalziel, I.W.D., Texas Through Time: *Discovery: Research and Scholarship at The University of Texas at Austin*, v. 15, p. 12-17.
- 2005 Dalziel, I.W.D. and Dott, Jr., R.H., *Geology of the Baraboo District, Wisconsin*, Information Circular 14-DI (Digital Information), Wisconsin Geological and Natural History Survey compact disc.

Abstracts (published) of papers presented at professional meetings

- 1966 Dalziel, I.W.D. and S.W. Bailey, Deformation of garnet in mylonites from the Grenville front, Ontario. *Geol. Soc. Amer. Sp. Paper No. 101*, p. 49.
- 1967 Dalziel, I.W.D., Brown, J.M. and T.E. Warren, The structural and metamorphic history of the Grenville province adjacent to the Grenville front near Coniston, Ontario, and Mount Wright, Quebec. *Geol. Assoc. Canada-Miner. Assoc. Canada*, Technical Program of International Meeting in Kingston, Ontario, p. 19-20.
- 1967 Dalziel, I.W.D., Tectonic control of magmatization in the Scottish Caledonides. *Geol. Soc. Amer. Sp. Paper No. 115*, p. 41-42.

Abstracts (published) of papers presented at professional meetings

- 1969 Dalziel, I.W.D., Kinematic and dynamic analysis of Baraboo quartzite, Wisconsin, from tension gash bands. *Trans. Amer. Geophysical Union*, v. 50, p. 323.
- 1970 Dalziel, I.W.D., Large-scale folding in the Scotia Arc. *SCAR-IUGS International Meeting on Antarctic Geology and Solid Earth Geophysics, Oslo, Norway, August, 1970.*
- 1970 Dalziel, I.W.D., Mylonites and mylonitic belts. *Symposium on Structural Geology, Geol. Soc. Amer. Southcentral Section Meetings, Texas, April 1970.*
- 1970 Dalziel, I.W.D. and R. Cortes, The tectonic history of the Patagonian Andes. *Trans. Amer. Geophysical Union*, v. 51, p. 421.
- 1970 Dalziel, I.W.D. and R. Cortes, The tectonic style of the Patagonian and Fuegian Andes. *Upper Mantle Committee Symposium on Solid Earth Problems. Buenos Aires, Argentina. October 1970. (Abstracts vol. published 1972), p. 471-472.*
- 1970 Dalziel, I.W.D., The evolution of the Scotia Arc. *Geological Society of America Annual Meeting. Milwaukee, Wisconsin. November 1970, p. 531-532.*
- 1971 Dalziel, I.W.D., The tectonic framework of the Southern Antilles (Scotia Arc)—its possible bearing on the evolution of the Antilles. *Trans. VI Caribbean Geological Conference. Margarita, Venezuela. July 6-12, 1971. (1972), p. 300-301.*
- 1971 Dalziel, I.W.D., The South Orkney microcontinent. *Geological Society of America Annual Meeting, Washington, D.C., November, 1971, p. 536.*
- 1971 Dalziel, I.W.D., Kligfield, R., Lowrie, W. and N.D. Opdyke, Paleomagnetic data from the southernmost Andes and Antarctandes. *American Geophysical Union Fall Annual Meeting. December 6-9, 1971. Trans. AGU, v. 52, p. 921.*
- 1972 Dalziel, I.W.D., The evolution, disruption and fragmentation of the Andean-Antarctandan cordillera in the Scotia Arc region. *NATO Advanced Study Institute Symposium on Continental Drift. Sea Floor Spreading and Plate Tectonics—Implications for the Earth Sciences, Newcastle, England, April 1972, p. 13-15.*
- 1972 Dalziel, I.W.D. and R. Cortes, Tectonic style of the southernmost Andes and the Antarctandes. *24th International Geological Congress. Montreal. August 1972, p. 71 abstracts volume.*
- 1973 Stirewalt, G.L. and I.W.D. Dalziel, Dynamic analysis of the Baraboo syncline, Wisconsin. *Trans. Amer. Geophysical Union*, v. 54, p. 457.
- 1973 Brocoum, S.J. and I.W.D. Dalziel, The Sudbury basin, Southern province, Grenville front and the Penokean orogeny. *Trans. Amer. Geophysical Union*, v. 54, p. 461.
- 1973 Dalziel, I.W.D., de Wit, M.J. and K.F. Palmer, A fossil marginal basin in the southern Andes. *Geological Society of America Annual Meeting, Dallas, Texas, November 12-14, 1973, p. 589.*
- 1973 Dalziel, I.W.D., Dott, R.H., Jr., Winn, R.D., Jr., and R.L. Bruhn, Tectonic relations of South Georgia Island to the southernmost Andes. *Geological Society of America Annual Meeting, Dallas, Texas, November 12-14, 1973, p. 590.*
- 1974 Brocoum, S.J. and I.W.D. Dalziel, Strain analysis of the Sudbury basin, Ontario. *Trans. Amer. Geophysical Union*, v. 55, p. 434.
- 1974 Kligfield, R., Brocoum, S.J., Dalziel, I.W.D. and W. Lowrie, The magnetic fabric of the Sudbury basin, Ontario. *Trans. Amer. Geophysical Union*, v. 55, p. 434.
- 1974 Barker, P.F., Dalziel, I.W.D., *et al.*, Preliminary results of Deep Sea Drilling Project Leg 36. *Geol. Soc. Amer. Annual Meeting, Miami Beach, Florida. Abstracts with Programs, v. 6, p. 644.*
- 1974 Dalziel, I.W.D. and K.F. Palmer, Progressive deformation and orogenic uplift at the southernmost extremity of the Andes. *Geol. Soc. Amer. Annual Meeting, Miami Beach, Florida. Abstracts with Programs, v. 6, p. 705.*

Abstracts (published) of papers presented at professional meetings

- 1975 Dalziel, I.W.D. and M.J. de Wit, Evolution of the Scotia Arc: Its constraints on the reconstruction of SW Gondwanaland. *Proc. IUGG Meeting, Grenoble, France, August 1975*, p. 92.
- 1975 Tarney, J., Dalziel, I.W.D. and M.J. de Wit, Marginal basin "Rocas Verdes" complex from S. Chile: A model for Archaean greenstone belt formation. *Geol. Soc. Amer. Annual Meeting, Salt Lake City, Utah, October, 1975. Abstracts with Programs*, p. 129.
- 1976 Bruhn, R.L., Winslow, M. and I.W.D. Dalziel, Late Tertiary to Recent structural evolution of southernmost South America. *EOS. Trans. Amer. Geophysical Union*, v. 57, p. 334.
- 1976 de Wit, M.J., Dalziel, I.W.D., Stern, C.R. and R.L. Bruhn, The development and destruction of a Mesozoic ensialic marginal basin. *25th International Geological Congress Meeting, Sydney, Australia, Abstracts*, v. 1, p. 107-108.
- 1976 Dalziel, I.W.D., Structural evolution of the southern limb of the Scotia Arc. *25th International Geological Congress Meeting, Sydney, Australia, Abstracts*, v. 3, p. 680.
- 1976 de Wit, M.J., Dalziel, I.W.D. and C.R. Stern, The anatomy of a Mesozoic marginal basin. *25th International Geological Congress Meeting, Sydney, Australia, Abstracts*, v. 3, p. 701.
- 1977 Dalziel, I.W.D., Pre-Jurassic history of the Scotia Arc: A review and progress report. *SCAR Third Symposium on Antarctic Geology and Geophysics, Madison, Wisconsin, August 1977*, p. 40.
- 1978 Dalziel, I.W.D., The Early Cretaceous Marginal Basin in the Southern Andes and the Andean Orogeny: A review. *International Geodynamics Conference "Western Pacific" and Magma Genesis,* Tokyo, March 13-17, 1978, p. 20.
- 1978 Dalziel, I.W.D. and R.D. Forsythe, Du Toit's "Samfrau Geosyncline" and Plate Tectonics. *Geol. Soc. Amer. Annual Meeting, Toronto, Canada, October 1978, Abstracts with Programs*, p. 385.
- 1979 Nelson, E.P., Dalziel, I.W.D. and A.G. Milnes, Deformation in Cordillera Darwin, southernmost Chilean Andes: A Metamorphic Core Complex? *Geol. Soc. Amer. Cordilleran Section Meeting, San Jose, California, April 9-11, 1979*, p. 119.
- 1979 Dalziel, I.W.D., Role of microplates in the evolution of the continental margins of the SE Pacific. *Geol. Soc. Amer. Annual Meeting, San Diego, Fall 1979. Abstracts with Programs*, (invited contribution), p. 409.
- 1980 Dalziel, I.W.D., Back-Arc spreading in the southern Andes: A review and critical reappraisal. *Royal Soc. Discussion Meeting of "Extensional tectonics associated with convergent plate boundaries," London, March, 1980*.
- 1981 Dalziel, I.W.D., The structural evolution of basement rocks on the southern limb of the Scotia Arc. *Geol. Soc. Lond. Meeting, October 21, 1981. "Western Antarctica and the Southern Andes: Correlation and Synthesis"*.
- 1981 Dalziel, I.W.D., Allen, R.B., Bruhn, R.F., and E.P. Nelson, Deformation during the mid-Cretaceous destruction of the Rocas Verdes marginal basin, southern Andes. *Geol. Soc. Lond. Meeting, October 21, 1981. "Western Antarctica and the Southern Andes: Correlation and Synthesis"*.
- 1982 Doake, C.S.M., Crabtree, R.D., and I.W.D. Dalziel, Subglacial morphology between Ellsworth Land and Antarctic Peninsula. *4th International Symposium on Antarctic Earth Sciences, Adelaide, 1982*.
- 1982 Doake, C.S.M., Crabtree, R.D., Dalziel, I.W.D. and M.R.A. Thomson, New constraints on the original location of the Ellsworth Mountains crustal block, Antarctica. *Geol. Soc. Amer. Abstracts with Programs*, v. 14, p. 476.
- 1983 Dalziel, I.W.D., Circum-Pacific Orogenesis. *Geol. Soc. Amer. Abstracts with Programs*, v. 15, p. 553.

Abstracts (published) of papers presented at professional meetings

- 1983 Dalziel, I.W.D., Circum-Pacific Orogenesis. *Circum-Pacific Tectono-Stratigraphic Terranes*, Stanford University Publications.
- 1985 Dalziel, I.W.D., and R.J. Pankhurst, Joint UK-US West Antarctic Tectonics Project: An Introduction, *Proc. Sixth Gondwana Symposium*, Columbus, Ohio, August 1985.
- 1985 Storey, B.C. and I.W.D. Dalziel, Aspects of the Structural and Tectonic History of the Ellsworth Mountains-Thiel Mountains Ridge, West Antarctica, *Proc. Sixth Gondwana Symposium*, Columbus, Ohio, August 1985.
- 1985 Grunow, A.M., Dalziel, I.W.D. and D.V. Kent, Ellsworth-Whitmore Mountains Crustal Block, Western Antarctica: New Paleomagnetic Data and their Tectonic Significance, *Proc. Sixth Gondwana Symposium*, Columbus, Ohio, August 1985.
- 1985 Dalziel, I.W.D., Garrett, S.W., Grunow, A.M., Pankhurst, R.J., Storey, B.C., and W.R. Vennum, The Ellsworth-Whitmore Crustal Block: its Role in the Tectonic Evolution of West Antarctica, *Proc. Sixth Gondwana Symposium*, Columbus, Ohio, August 1985.
- 1985 Grunow, A.M., Kent, D.V., and I.W.D. Dalziel, West Antarctica: New Paleomagnetic Data and Tectonic Implications, *EOS, Trans. Amer. Geophys. Union*, v. 66, no. 46, p. 866.
- 1985 Dalziel, I.W.D., Orogenic Processes in the Andes and the Antarcticandes, *Proc. Circum-Pacific Council on Energy and Mineral Resources Symposium on Andean Tectonics*, Santiago, Chile, November 1985.
- 1986 Grunow, A.M., Kent, D.V. and I.W.D. Dalziel, The Evolution of the Weddell Sea Basin, *Proc. Geodynamics Symposium*, Texas A & M University, College Station, Texas, April 1986.
- 1986 Dalziel, I.W.D., Garrett, S.W., Grunow, A.M., Pankhurst, R.J., Storey, B.C. and W.R. Vennum, The Southern Rim of the Pacific Ocean Basin, Southern Andes to the Southern Alps, *Proc. Circum-Pacific Energy and Mineral Resources Conference*, Singapore, August 1986.
- 1987 Dalziel, I.W.D., Inversion of Circum-Pacific Marginal Basins, *Geol. Soc. London Newsletter*, March 1987, Royal Society/Tectonic Studies Group Discussion Meeting of Inversion Tectonics.
- 1987 Dalziel, I.W.D., Tectonic Evolution of West Antarctica and its Relation to East Antarctica, American Association of Petroleum Geologists, Annual Meeting, Los Angeles, California, June 1987, *Antarctic Symposium*.
- 1987 Dalziel, I.W.D., Orogenesis and the Terranes Concept: Lessons from the Andes, Scotia Arc and West Antarctica, *IUGG*, Vancouver, Canada, August 1987.
- 1987 Dalziel, I.W.D. and R.L. Brown, Andean Core Complex Evolution Related to Marginal Basin Collapse: Implications for Cordilleran Tectonics, *Geol. Soc. Amer. Abstracts with Programs*, Phoenix, Arizona, October 1987, v. 19, p. 634.
- 1987 Dalziel, I.W.D. and L.A. Lawver, The South Georgia Enigma, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1987 Dalziel, I.W.D., Grunow, A.M. and T.M. Harrison, Timing of Deformational and Metamorphic Events in the Cordillera Darwin Core Complex, Southernmost Chilean Andes, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1987 Grunow, A.M., Dalziel, I.W.D. and T.M. Harrison, Tectonic Significance of New $^{40}\text{Ar}/^{39}\text{Ar}$ Ages from Comparatively High P/Low T Metamorphic Rocks of the Scotia Arc, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1987 Beaver, D., Dalziel, I.W.D. and D. V. Kent, Paleomagnetic Evidence Bearing on the Tectonic Reconstruction of South Georgia Island and South America, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1987 Mukasa, S., Brueckner, H.K., and I.W.D. Dalziel, Zircon U-Pb Ages on Marginal Basin and Arc Rocks from the Northern Scotia Arc, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.

Abstracts (published) of papers presented at professional meetings

- 1987 Grunow, A.M., Dalziel, I.W.D. and D.V. Kent, An Overview of Paleomagnetic Results from West Antarctica, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1987 Storey, B.C., Grunow, A.M., Dalziel, I.W.D., Pankhurst, R.J., and I. Millar, A New Look at the Geology of Thurston Island, *Fifth Symposium on Antarctic Earth Sciences*, Cambridge, UK, August 1987.
- 1988 Dalziel, I.W.D., Grunow, A.M., Kent, D.V., and D.G. Beaver, Gondwanaland Fragmentation and Andean Orogenic Processes in the Light of Paleomagnetic Data from West Antarctica and the Scotia Arc, *Paleomagnetic Constraints on Crustal Motions Symposium*, Texas A & M University, College Station, Texas, April-May 1988.
- 1988 Dalziel, I.W.D., Metamorphic Core Complexes and the Pacific Margin of Gondwanaland, *Seventh International Gondwana Symposium*, Sao Paulo, Brazil, July 1988.
- 1988 Grunow, A.M., Dalziel, I.W.D., and D.V. Kent, Paleomagnetic Results from West Antarctica: Where things stand now, *Seventh International Gondwana Symposium*, Sao Paulo, Brazil, July 1988.
- 1988 Dalziel, I.W.D., Tectonic Evolution of West Antarctica and Its Relation to East Antarctica, *Congreso Geologico Chileno*, Santiago, Chile, August 1988.
- 1988 Dalziel, I.W.D., Metamorphic Core Complexes and the Pacific Margin of Gondwanaland, *Congreso Geologico Chileno*, Santiago, Chile, August 1988.
- 1988 Dalziel, I.W.D. and R.L. Brown, Uplift of Deep Seated Rocks in Cordilleran Orogens: Implications of the Geotectonic Setting of the Cordillera Darwin Metamorphic Core Complex, Southernmost Andes. Symposium on Lithospheric Processes in Andean Type Tectonics. *Seventh Congreso Latino-Americano de Geologia*, Belem, Brazil, November, 1988.
- 1988 Brown, R.L. and I.W.D. Dalziel, Tectonic Setting of the Shuswap Metamorphic Core Complex Terrane of North America: Implications for the Southern Andes. *Seventh Congreso Latino-Americano de Geologia*, Belem, Brazil, November, 1988.
- 1988 Grunow, A.M. and I.W.D. Dalziel, Antiquity and Uplift of Blueschist Subduction Complexes Along the Andean-West Antarctic Margin: New Data from the Scotia Ridge, Antarctica. *Seventh Congreso Latino-Americano de Geologia*, Belem, Brazil, November, 1988.
- 1988 Dalziel, I.W.D., Andean Magmatism: The Global Tectonic Setting, *GSA Annual Meeting, Denver, Colorado*, October, 1988, Abstracts with Programs, p. A5.
- 1988 Dalziel, I.W.D., Gondwanaland: A Supercontinental-Scale Laboratory for Testing Models of Mantle Processes, *GSA Annual Meeting, Denver, Colorado, October, 1988, Abstracts with Programs*, p. A61.
- 1988 Grunow, A.M. and I.W.D. Dalziel, Antiquity of Andean-Antarctic Subduction Complexes: Implications for the Accretionary Process Along the Andean Convergent Margin, *GSA Annual Meeting, Denver, CO, October, 1988, Abstracts with Programs*, p. A5.
- 1988 Grunow, A.M., D.V. Kent and I.W.D. Dalziel, The Motion of Weddellia and Its Relation to the Opening of the Weddell Sea, *GSA Annual Meeting, Denver, Colorado, October, 1988, Abstracts with Programs*, p. A62.
- 1988 Mukasa, S.B., I.W.D. Dalziel and H.K. Brueckner, Zircon U-Pb Constraints on the Kinematic Evolution of the Northern Scotia Arc, *GSA Annual Meeting, Denver, CO, October, 1988, Abstracts with Programs*, p. A12.
- 1989 Grunow, A.M., I.W.D. Dalziel, T.M. Harrison and M.T. Heizler, Tectonic Implications of $^{40}\text{Ar}/^{39}\text{Ar}$ Ages from the Elephant Islands Group, Antarctica, *International Workshop on Antarctic Geochronology, Munich, FGR*

Abstracts (published) of papers presented at professional meetings

- 1989 Grunow, A.M., I.W.D. Dalziel, B.C. Storey, S.W. Garrett, J. Isbell, W.R. Vennum, D.I.M. Macdonald, M.P. Maslanyj, I.C. Millar, P.J. Pankhurst and D.V. Kent, Reconstructions of West Antarctica within Gondwanaland: Problems and Possible Solutions — Results from the Joint UK-US West Antarctic Tectonics Project, *28th International Geological Congress, Washington, DC*, July 1989, Abstracts, V. 1, p. 1-592.
- 1989 Dalziel, I.W.D., B.C. Storey, S.W. Garrett, A.M. Grunow, D.V. Kent, D.I.M. Macdonald, M.P. Maslanyj, I.C. Millar, R.J. Pankhurst and W.R. Vennum, Antarctica and Global Tectonic Processes: A Preliminary View Based on Results of the Joint UK-US West Antarctic Tectonics Project 1983-1988, *28th International Geological Congress, Washington, DC*, July 1989, Abstracts, V. 1, p. 1-364.
- 1989 Dalziel, I.W.D., Antarctic Geoscience Transects, *28th International Geological Congress, Washington, DC*, July 1989, Abstracts, V. 1, p. 1-365.
- 1989 Storey, B.C., I.W.D. Dalziel, S.W. Garrett, A.M. Grunow, D.V. Kent, J. Isbell, D.I.M. Macdonald, M.P. Maslanyj, I.C. Millar, R.J. Pankhurst and W.R. Vennum, West Antarctic Mosaic: Tectonic Evolution, *28th International Geological Congress, Washington, DC*, July 1989, Abstracts, V. 3, p. 3-187.
- 1989 Kohn, M.J., F.S. Spear and I.W.D. Dalziel, Metamorphic P-T Paths from a Cordilleran Core Complex, Cordillera Darwin, Tierra del Fuego, Chile, *GSA Annual Meeting*.
- 1989 Dalziel, I.W.D., D.T. Sandwell, J-Y Royer and L.A. Lawver, Correlations of Onshore/Offshore Structure From a Combined AVHRR/Geosat Altimeter Image of the Antarctic Plate, *AGU Annual Meeting, San Francisco, CA*, V. 70, no. 43, p. 1314.
- 1989 Vera, E.E., J.C. Mutter, P. Buhl, J.A. Austin, Jr., I.W.D. Dalziel and P.L. Stoffa, Deep Seismic Structure of the Southernmost Andes, *AGU Annual Meeting, San Francisco, CA*, V. 70, no. 43, p. 1314.
- 1990 Grunow, A.M., D.V. Kent, and I.W.D.D. Dalziel, New Paleomagnetic Data Bearing on the Mesozoic Evolution of West Antarctica and Opening of the Weddell Sea, *GSA Annual Meeting, Dallas, TX, Abstracts with Programs*, p. A143-144.
- 1991 Dalziel, I.W.D., Late Precambrian to Early Paleozoic Rifted Margins of the Laurentian and Gondwana Cratons as a Conjugate Pair?, *GSA Cordilleran Section, San Francisco, CA*, March, 1991.
- 1991 Dalziel, I.W.D., Late Precambrian to Early Paleozoic Rifted Margins of the Laurentian and Gondwana Cratons as a Conjugate Pair?—Potential Implications for the Gulf Coast and Southwestern Cordillera, *GSA Rocky Mountain/South Central Section, Albuquerque, NM*, April, 1991.
- 1991 Dalziel, I.W.D., Supercontinental fragmentation, Cambrian and Mesozoic—plume related?, *Mantle Plume Symposium, California Institute of Technology, Pasadena, CA*.
- 1991 Dalziel, I.W.D., Gondwana Amalgamation and the Origin of the Southern Pacific Ocean Basin, *1991 AGU Spring Meeting, Baltimore, MD*.
- 1991 Grunow, A.M., I.W.D. Dalziel and D.V. Kent, Mesozoic Plate Reconstructions of West Antarctica: A Paleomagnetic Assessment, *1991 AGU Spring Meeting, Baltimore, MD*.
- 1991 Dalziel, I.W.D., Gondwana as the Offspring of an Eocambrian Supercontinent, *VIII International Symposium on Gondwana, Hobart, Australia*, p. 20-21.
- 1991 Dalziel, I.W.D., Was Eastern Laurentia Rifted from Western South America?, *VI Congreso Geológico Chileno, Viña del Mar, Chile*.
- 1991 Dalziel, I.W.D., L.A. Lawver and D.T. Sandwell, A composite GEOSAT/AVHRR Poster of the Antarctic Plate, *EOS. Trans. Amer. Geophysical Union*, v. 72, p. 502.
- 1991 Bradshaw, J.D., I.W.D. Dalziel, V.J. Di Venere, S.B. Mukasa, R.B. Pankhurst, B.C. Storey and S.D. Weaver, The Southern Rim of the Pacific: New Work on the Pre-Cenozoic Rocks of Marie Byrd Land, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 80-82.

Abstracts (published) of papers presented at professional meetings

- 1991 Dalziel, I.W.D., Neighbors?: Implications for Antarctic Geology of the East Antarctic and Laurentian Pacific Margins as a Conjugate Rift Pair, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991.p. 117.
- 1991 Sandwell, D.T., I.W.D. Dalziel, L.A. Lawver and M. Wiederspahn, A New Satellite Image of the Antarctic Plate, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 507.
- 1991 Macdonald, D.I.M., B.C. Storey, I.W.D. Dalziel, A.M Grunow and J.L. Isbell, Early Paleozoic Sedimentation and Tectonics in the Pensacola Mountains, Antarctica, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 381-382.
- 1991 DiVenere, V.J., J.D. Bradshaw, S.D. Weaver, I.W.D. Dalziel, S.B. Mukasa, R.B. Pankhurst and B.C. Storey, Paleomagnetism of Marie Byrd Land, West Antarctica, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 121.
- 1991 Grunow, A.M., I.W.D. Dalziel and D.V. Kent, Mesozoic Tectonic Evolution of West Antarctica: A Synthesis of New and Existing Paleomagnetic Data, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 200.
- 1991 Storey, B.C., D.I.M. Macdonald, I.L. Millar, R.B. Pankhurst, T. Alabaster and I.W.D. Dalziel, Upper Proterozoic Rift-related Basin and Bimodal Volcanic Sequences in the Pensacola Mountains, Antarctica: Precursor to Cambrian Supercontinent Break-Up?, *VI International Symposium on Antarctic Earth Sciences, Saitama, Japan*, September, 1991, p. 549-550.
- 1991 Dalziel, I.W.D., Global Dynamics and the Antarctic Environment, Antarctic Science Conference, Bremen, Germany.
- 1991 Dalziel, I.W.D., Causes of Continental Break-up: Geologic Constraints, *Magmatism and the Causes of Continental Break-up, Cambridge, England*.
- 1992 Dalziel, I.W.D., The Bending of Orogenic Belts. *Geol. Soc. Aust. Abstracts*, v. 32, p. 8-10.
- 1992 Dalziel, I.W.D., and E.M. Moores, Antarctica, Two Supercontinents, A Handful of Ocean Basins, and a Bunch of Terranes. *Geol. Soc. Aust. Abstracts*, v. 32, p. 226-227.
- 1992 Dalziel, I.W.D., and L.M. Gahagan, North America as an Exotic Terrane and the Origin of the Appalachian and Andean Mountain Belts. *29th International Geological Congress 2, Kyoto, Japan*, p. 254.
- 1992 Dalziel, I.W.D., The Configuration and Fragmentation of a Neoproterozoic Supercontinent. *29th International Geological Congress 2, Kyoto, Japan*, p. 239.
- 1992 Lawver, L.A., and I.W.D. Dalziel, A New Tectonic Map of the Antarctic Sector of the Pacific Ocean Basin. *29th International Geological Congress 2, Kyoto, Japan*, p. 37.
- 1992 Dalziel, I.W.D., Late Precambrian Rifted Margins, the Origin of the Iapetus and Pacific Ocean Basins, and Gondwana Amalgamation: Time and Space Considerations, *1992 AGU Spring Meeting, Montreal, Canada*.
- 1992 Dalziel, I.W.D., Pre-Mesozoic Plate Tectonics: New Geologic Ideas Await Paleomagnetic Testing, *1992 AGU Spring Meeting, Montreal, Canada*.
- 1992 Dalziel, I.W.D., On the Origin of Laurentia, *GSA Annual Meeting, Cincinnati, OH*, October, 1992.
- 1992 Dalziel, I.W.D., North America as an 'Exotic Terrane' and the Origin of the Appalachian-Andean Mountain System, *GSA Annual Meeting, Cincinnati, OH*, October, 1992.
- 1992 Dalziel, I.W.D., Neoproterozoic and Paleozoic Earth History: a New Tectonic Scenario, *1992 AGU Fall Meeting, San Francisco California*.
- 1993 Dalziel, I.W.D., The Origin of the Southern Margin of North America. *AAPG New Orleans 93*.

Abstracts (published) of papers presented at professional meetings

- 1993 Gahagan, L.M., M.F. Coffin, I.W.D. Dalziel, M.B. Gangishetti, L.A. Lawver, T-Y Lee and E.J. Rosencrantz, Application of 3-D Graphics Software to Plate Tectonics Research and Resource Exploration. *AAPG New Orleans 93*.
- 1993 Dalla Salda, L., and Dalziel, I.W.D., Evolución paleogeográfica del occidente del Gondwana durante el Neoproterozoico-Paleozoica medio, Primer Simposic Internacional del Neoproterozoico-Cámbrico de la Cuenca del Plata, resúmenes extensos, Tomo I, p. 6-12 (abstract 2), DINAMIGE-Facultad de Agronomía, Montevideo.
- 1993 Dalziel, I.W.D., Precambrian Scotland as a Laurentia-Gondwana Link and The Role of Cratonic Promontories, *GSA Annual Meeting, Boston, MA, Abstracts with Programs*, v. 25, no. 6.
- 1994 Dalziel, I.W.D., Impacts, extinctions, volcanism, glaciations, and tectonics: Matches and mismatches. New Developments Regarding the KT Event and Other Catastrophes in Earth History, Houston, TX, 9-12 February, LPI Technical Report.
- 1994 DiVenere, V.J., D.V. Kent, and I.W.D. Dalziel, An Early Cretaceous paleopole for Marie Byrd Land, West Antarctica, *1994 AGU Spring Meeting, Baltimore, MD*.
- 1994 Dalziel, I.W.D., Tectonic Development of the Scotia Arc: An Update, *7th Congreso Geológico Chileno*, 17-21 October, Concepción, Chile.
- 1994 Dalziel, I.W.D., Tierra Del Fuego: The Southernmost Tectonic Segment of the Andes, *7th Congreso Geológico Chileno*, 17-21 October, Concepción, Chile.
- 1994 Gose, W.A., Dalziel, I.W.D., Helper, M. Hutson, F., and Grimes, S., A positive test of the SWEAT hypothesis: New Paleomagnetic data from the “Grenvillian” rocks of Coats Land, Antarctica, *GSA Annual Meeting, Seattle, WA, Abstracts with Programs*, v. 26, no. 7.
- 1994 Hutson, F., and Dalziel, I.W.D., Stratigraphy of the Shackleton Range: Constraints on the Neoproterozoic and Early Paleozoic tectonic history of Antarctica, *GSA Annual Meeting, Seattle, WA, Abstracts with Programs*, v. 26, no. 7.
- 1994 Dalziel, I.W.D., and Gahagan, L., The Laurentia “End-Run” Hypothesis: An Update, *EOS, Transactions, American Geophysical Union 1994 Fall Meeting*, v. 75, p. 610.
- 1994 Gose, W.A., Dalziel, I.W.D., Helper, M., Hutson, F., and Grimes, S., The East Antarctica-North American connection: New paleomagnetic results from 1Ga old rocks from Coats Land, Antarctica, *EOS, Transactions, American Geophysical Union 1994 Fall Meeting*, v. 75, p. 199-200.
- 994 Mukasa, S.B., Dalziel, I.W.D., Pankhurst, R.J., U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on the development and subsequent fragmentation of Gondwanaland’s Pacific Margin, Marie Byrd Land, Antarctica, *EOS, Transactions, American Geophysical Union 1994 Fall Meeting*, v. 75, p. 692.
- 1995 Anandakrishnan, S., Sen, V., Smith, A.M., Stoffa, P.A., and Dalziel, I.W.D., A multifold high resolution seismic reflection profile in Central West Antarctic, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*, p. 5.
- 1995 Dalziel, I.W.D., and Lawver, L.A., Dynamics of Supercontinental Fragmentation, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*, p. 99.
- 1995 Gose, W.A., Dalziel, I.W.D., Helper, M.A., Hutson, F., and J. Connelly, Paleomagnetic results and U-Pb isotopic ages from Coats Land, Antarctica: A test of the SWEAT hypothesis, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*, p. 164.
- 1995 Grimes, S.W., Helper, M., and Dalziel, I.W.D., Polymetamorphism and mylonitization in the Central Read Mountains, Shackleton Range, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*, p. 172.

Abstracts (published) of papers presented at professional meetings

- 1995 Helper, M., Grimes, S.W., and Dalziel, I.W.D., Basement-cover relations and fabrics of the Central Read Mountains, Shackleton Range, Antarctica, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*, p. 190.
- 1995 Hutson, F.E., Gose, W.A., and Dalziel, I.W.D., Paleomagnetic Results from the Neoproterozoic Watt's Needle Formation, Shackleton Range, Antarctica, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy*. 199.
- 1995 Dalziel, I.W.D., Earth system evolution: A Prediction, *GSA Annual Meeting, New Orleans, LA, Abstracts with Programs*, V. 27, no. 6.
- 1995 Hutson, F.E., Gose, W.A., and Dalziel, I.W.D., Paleomagnetic Data from the Neoproterozoic Watts Needle Formation, Shackleton Range, Antarctica: Implications for Supercontinent Reconstructions, *GSA Annual Meeting, New Orleans, LA, Abstracts with Programs*, v. 27, no. 6.
- 1995 Grimes, S.W., Helper, M., and Dalziel, I.W.D., Polymetamorphism and retrograde mylonitization in the Central Read Mountains, Shackleton Range, east Antarctica, *GSA Annual Meeting, New Orleans, LA, Abstracts with Programs*, V. 27, no. 6.
- 1995 Dalziel, I.W.D., and Lawver, L., Plumes and the Dynamics of Supercontinental Fragmentation, *EOS, Transactions, American Geophysical Union 1995 Fall Meeting, San Francisco, CA*, v. 76., no. 46, p. 172. Invited
- 1995 Powell, C. McA., Dalziel, I.W.D., Li, Z.X., and McElhinny, M.W., Did Pannotia, the latest Neoproterozoic southern supercontinent, really exist?, *EOS, Transactions, American Geophysical Union 1995 Fall Meeting, San Francisco, CA*, V. 76., no. 46, p. 577.
- 1995 Sen, V., Stoffa, P.L., Anandakrishnan, S., Dalziel, I.W.D., Blankenship, D.D., and Smith, A.M., A seismic survey in Central West Antarctica: Data processing and preliminary results, *EOS, Transactions, American Geophysical Union 1995 Fall Meeting, San Francisco, CA*, v. 76., no. 46, p. 401.
- 1996 Dalziel, I.W.D., The Argentina-Texas (ARTEX) Connection: Key to Paleozoic Global Geography, *GSA Abstracts with Programs, South Central Section*
- 1996 Dalziel, I.W.D., The American continents as morphologic "twins" born 400 MY apart: Break-up of Pannotia and Pangea, *GSA Annual Meeting, Abstracts with Programs, Denver, CO*.
- 1996 Dalziel, I.W.D., Pre-Pangea Geography: What is it safe to tell the children? *GSA Annual Meeting, Abstracts with Programs, Denver, CO*. Invited.
- 1997 Gose, W. A., Helper, M. A., Connelly, J., Hutson, F., and Dalziel, I. W. D., Paleomagnetic data U-Pb isotopic ages from Coats Land, Antarctica: Implications for Neoproterozoic plate reconstructions: *Terrane Dynamics '97, International Conference on Terrane Geology*.
- 1997 Helper, M. A., Roback, R. C., Connelly, J. N., and Dalziel, I. W. D., Comparison of Proterozoic Basement provinces of the Southwestern U.S. and the East Antarctic craton: implications for neoproterozoic plate reconstructions: *Terrane Dynamics '97, International Conference on Terrane Geology, Christchurch, NZ, February*.
- 1997 Dalziel, I.W.D., and Lawver, L., Plumes and the Dynamics of Supercontinental Fragmentation, *European Union of Geosciences, Strasbourg, France, March 23-27*.
- 1997 Dalziel, I.W.D., Paleogeographic reconstruction: The global perspective, "Ottawa '97, New Horizons in Earth Sciences" conference, Geological Society of Canada, May 19-21.
- 1997 Gose, Wulf A., Helper, Mark A., Connelly, James N., Hutson, Fred E., Dalziel, Ian W. D., Paleomagnetic data And U-Pb isotopic age determinations from Coats Land, Antarctica: Implications for Late Proterozoic plate reconstructions, "Ottawa '97, New Horizons in Earth Sciences" conference, Geological Society of Canada, May 19-21.
- 1997 Dalziel, I.W.D., Vestiges of a beginning and the prospect of an end, The Bicentennial Conference—Charles Lyell/James Hutton, London and Edinburgh, July 30-August 9.

Abstracts (published) of papers presented at professional meetings

- 1997 Dalziel, I. W. D., The Iapetus ocean and the Wilson cycle, in *Geological Society of America Annual Meeting*, Salt Lake City, UT, *Abstracts with Programs*, p. A279.
- 1997 Dalziel, I. W. D., and Lawver, L. A., A functional link between deep mantle plumes and surface plates since Archean times? in *Geological Society of America Annual Meeting*, Salt Lake City, UT, *Abstracts with Programs*, p. A48.
- 1997 Lawver, L. A., Dalziel, I. W. D., and Gahagan, L. H., The South Atlantic Research Group, A mantle plume look at the Permian-Jurassic tectonic history of the South Atlantic region: Supplement to *EOS, Transactions, American Geophysical Union*, v. 78, no. 46, p. F721.
- 1997 King, E.C., Larter, R.D., Bevis, M.G., Dalziel, I.W.D., Taylor, F.W., and Smalley, R.A., GPS Measurements in the South Sandwich Arc, Supplement to *Eos, Transactions, American Geophysical Union*, v. 178, p. F168.
- 1998 Dalziel, I.W.D., Laurentia-Kalahari Collision and the Assembly of Rodinia, *Geological Society of America Annual Meeting*, Toronto, Canada, *Abstracts with Programs*, p. A124.
- 1999 Dalziel, I.W.D., Reconstructing Rodinia: The “SWEAT” hypothesis revisited, European Union of Geophysics, Strasbourg, France, March.
- 1999 Dalziel, I.W.D., The significance of the Scottish Promontory of Laurentia in Neoproterozoic tectonics and geography. Edinburgh Geological Society, Scotland, March.
- 1999 Dalziel, I.W.D. and L.A. Lawver, The amalgamation and fragmentation of supercontinents, Symposium on “New Ideas in Earth Science,” Russia.
- 1999 Dalziel, I.W.D., Lawver, L.A., and Murphy, J.B., 1999, Plumes, orogenesis, and supercontinental fragmentation: *GSA Abstracts with Programs* (Annual Meeting, Denver, O, Oct. 24-28), v. 31.
- 1999 Dalziel, I.W.D., Global paleotectonics: Reconstructing a credible supercontinent: *GSA Abstracts with Programs* (Annual Meeting, Denver, CO, Oct. 24-28, 1999), v. 31.
- 1999 Hansen, R.E., Bowring, S.A., and Dalziel, I.W.D., Emplacement of large igneous provinces in the Kalahari and Laurentian cratons at 1.1 GA: implications for Rodinia assembly: *GSA Abstracts with Programs* (Annual Meeting, Denver, CO, Oct. 24-28), v. 31.
- 2000 Barker, D.H.N., Christeson, G.L., Austin, J.A., Dalziel, I.W.D., Nakamura, Y., Hello, Y., and Yates, B., 2000, Crustal Structure of an Active Backarc Basin: Preliminary Results from an OBS Wide-Angle Seismic Experiment, Bransfield Strait, Antarctica: Supplement to *EOS, Transactions, American Geophysical Union*, v. 81, p. F1116.
- 2000 Helper, M.A., Connelly, J.N., and Dalziel, I.W.D., Isotropic Provinces and mesoproterozoic Tectonism in the Shackleton Range, Antarctica: Comparisons with Mojavia: *GSA Abstracts with Programs* (Annual Meeting, Reno, NV, Nov. 13-16, 2000), v. 32, no. 7
- 2000 Loewy, S., Connelly, J., Dalziel, I.W.D., Gower, C., and Cawood, P., Testing a proposed Rodinia reconstruction using Pb Isotopes and U-Pb geochronology: *GSA Abstracts with Programs* (Annual Meeting, Reno, NV, Nov. 13-16, 2000), v. 32, p. A-455.
- 2001 Dalziel, I.W.D., Rodinia 2001: Balkanization or reunification?, Rodinia at the Turn of the Century Symposium: Perth, Western Australia, Tectonics Special Research Centre, University of Western Australia (September).
- 2001 Dalziel, I.W.D., Lawver, L.A., Gahagan, L.H., and Paul, M.W., Intercratonic Orogens: The Caribbean and Scotia Arcs, Geological Society of America Annual Meeting, Abstracts with Programs - Geological Society of America: Boston, MA. November 1-10, Geological Society of America.
- 2001 Hanson, Richard E., Gose, Wulf, A., Dalziel, Ian W.D., Ramezani, Jahan, and Bowring, Samuel, A., Umkondo LIP: Extensive 1.1 GA within-plate magmatism in the Kalahari Craton. Geological Society of America Annual Meeting, Abstracts with Programs - Geological Society of America: Boston, MA. November 1-10.

Abstracts (published) of papers presented at professional meetings

- 2001 Smalley, Robert, Bevis, Michael, Kendrick, Eric, Dalziel, Ian W.D., Taylor, Frederick W., Laura, Eduardo, Barriga, Rodrigo, Casassa, Gino, Olivero, Eduardo, and Piana, Ernesto, Determination of Scotia South America Relative Plate Motion and Crustal Deformation from GPS Geodesy, *Eos, Trans. AGU*, 82(47), Fall Meet. Suppl. Abstract G41A-0193.
- 2002 Hanson, R., Pancake, J., Crowley, J., Ramezani, J., Bowring, S., Dalziel, I., Gose, W., Blenkinsop, T., and Mukwakwami, J., Correlation of 1.1 GA Large Igneous Provinces on the Laurentia and Kalahari Cratons: Implications for Rodinia Reconstructions. Geological Society of America Annual Meeting & Exposition, Abstracts with Programs - Geological Society of America: Denver, CO. October 27-30.
- 2002 Connelly, James, N., Helper, Mark, Fuller, Roy, Dalziel, Ian, and McDowell, Fred, Amalgamation of Coats Land/Western Dronning Maud Land with the East Antarctic Craton: Evidence from Heimefrontfjella, Dronning Maud Land, Antarctica. Geological Society of America Annual Meeting & Exposition, Abstracts with Programs - Geological Society of America: Denver, CO. October 27-30.
- 2002 Loewy, Staci, L., Connelly, James, N., and Dalziel, Ian W.D., Pb Isotopes as a Correlation Tool to Constrain Rodinia Reconstruction. Geological Society of America Annual Meeting & Exposition, Abstracts with Programs - Geological Society of America: Denver, Colorado. October 27-30, 2002.
- 2003 Dalziel, I.W.D., The Precordilleran Terrane: The critical clue to Neoproterozoic-early Paleozoic geography, Terrane processes at the Pacific margin of Gondwana (TAPMOG), Meeting of the British Antarctic Survey, the Tectonic Studies Group of the Geological Society and the Geochemistry Group of the Geological Society and Mineralogical Society, Cambridge, UK. September 5-6.
- 2003 Dalziel, I.W.D., Austin, Jr., J. A., Barker, D.H.N., and Christesen, G.L., Bransfield Basin and Cordilleran Orogenesis, International Symposium on Antarctic Earth Sciences (ISAES IX), Potsdam, Germany. September 8–12.
- 2003 Dalziel, Ian W.D., Austin, James A., Jr., Barker, Daniel H.N., and Christeson, Gail L., The Role of Marginal Basin Inversion in Cordilleran Orogenesis, Annual Meeting of the Geological Society of America, November 2-5. Seattle, WA.
- 2003 Dalziel, I.W.D., The Precordilleran Terrane: the critical clue to Neoproterozoic-early Paleozoic geography, Annual Fall Meeting, American Geophysical Union, December 8-12. San Francisco, CA.
- 2004 Dalziel, I.W.D., The Precordilleran Terrane: the critical clue to Neoproterozoic-early Paleozoic geography, Annual Meeting of the Geological Society of Australia, February 8-13. Hobart, Tasmania.
- 2004 Loewy Staci, Connelly, James, Dalziel, I.W.D., Global Pb Isotopic Signatures: Implications for Precambrian Mantle Reservoirs, Annual Meeting of the Geological Society of Australia, February 8-13. Hobart, Tasmania.
- 2005 Ghidella, M., Dalziel, I., König, M., Lawver, L., Macdonald, D., Marensi, S., Ramos, V., Rapalini, A., Somoza, R., Storey, B., Taylor, G., and Vizán, H., Critical revision of Gondwana break up for International Polar Year. We have proposed an International Polar Year 2007-2008 (IPY) initiative to critically revise the Gondwana break up scenario: Submitted to the International Council of Science Planning Group for the International Polar Year and is now a subproject of the bipolar Plate Tectonics and Polar Gateways in Earth History project.
- 2005 Dalziel, I.W.D., The Setting of LIPS in the Lithosphere Through Time: One Test of the Plume Hypothesis; Chapman Conference The Great Plume Debate: The Origin and Impact of LIPs and Hot Spots. Fort William, Scotland, 28 August–01 September.
- 2005 Dalziel, I.W.D., Rodinia in 2005, Supercontinents and Earth Evolution Symposium 2005, Fremantle, Western Australia, 26-30 September.

Abstracts (published) of papers presented at professional meetings

- 2006 Dalziel, I.W.D., On the tectonic setting of Antarctic subglacial lakes, Subantarctic Lake Environments, Scientific Committee on Antarctic Research, Grenoble, France, 24-26 April.
- 2006 Dalziel, I.W.D., Geologic control on the setting of Antarctic subglacial lakes, *EOS, Transactions*, Fall Meet. Suppl., American Geophysical Union 2006 Fall Meeting, San Francisco, CA, v. 87 no. 52, abstract C31A-1239.
- 2006 Dalziel, I.W.D., Smalley, R., Kendrick, E., Bevis, M., and Taylor, F.W. The West Antarctic GPS Network. *GPS in the International Polar Year: The POLENET Project Workshop*. Dresden, Germany. 04-06 October 2006.
- 2006 Dalziel, I. W. D., On the extent of the active West Antarctic rift system, in Siddoway, C. S., and Ricci, C. A., eds., *Terra Antarctica Reports*, Volume 12: Sienna, Italy, Terra Antarctica Publications, p. 193-202.