

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



CURRICULUM VITAE

10 August 2015

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IAN W. D. DALZIEL

PERSONAL

Born Glasgow, Scotland, UK, 26 November 1937, married, two children, UK & US passports

EDUCATION

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

Ph.D. University of Edinburgh, 1963. Thesis: A Structural Study of the Granite Gneiss of Western Ardgour.

AWARDS AND DISTINCTIONS

- | | |
|-----------|--|
| 1976-77 | John Simon Guggenheim Memorial Fellowship (Swiss Federal Institute (ETH), Zurich, Switzerland). |
| 1992 | Murchison Medal, The Geological Society, London |
| 1997 | Bownocker Medal, The Ohio State University |
| 1997-98 | The University of Texas at Austin, Best Research Paper Award |
| 1998-99 | Permian Basin Section of Society for Sedimentary Geology—Best Paper Award |
| 1997-2007 | Honorary Chair of Geology, University of St Andrews |
| 2000 | Honorary D.Sc., University of Edinburgh. |
| 2003 | Clough Medal, Geological Society of Edinburgh |
| 2005 | Research Fellowship, John A. and Katherine G. Jackson School of Geosciences, The University of Texas at Austin. |
| 2008 | Joseph C. Walter Jr. Research Excellence Award, John A. & Katherine G. Jackson School of Geosciences, University of Texas at Austin. |
| 2009 | The University of Texas at Austin Career Research Excellence Award |
| 2013 | Institute for Geophysics, The University of Texas at Austin, Career Researcher Award |
| 2015 | A Symposium Highlighting the Contributions of Ian W.D. Dalziel and David H. Elliot to Antarctic Tectonics: “West Antarctica: Problem Child of Gondwanaland” XII International Symposium of Antarctic Earth Science, Scientific Committee on Antarctic Research, Goa India. |

ACADEMIC POSITIONS

- | | |
|-----------------|---|
| 10/1959-08/1963 | Assistant Lecturer in Geology, University of Edinburgh. |
| 09/1963-08/1966 | Assistant Professor of Geology, University of Wisconsin, Madison. |
| 09/1967-06/1973 | Associate Professor of Geology, Columbia University (†1970). |
| 07/1973-05/1985 | Professor of Geological Sciences, Columbia University. |
| 09/1970-05/1985 | Senior Research Scientist, Lamont-Doherty Geological Observatory, Columbia University. |
| 05/1985-Present | Senior Research Scientist, Institute for Geophysics, The University of Texas at Austin. |
| 09/1985-Present | Professor of Geological Sciences, The University of Texas at Austin (†1985) |
| 09/2004-Present | Research Professor, Institute for Geophysics, The University of Texas at Austin. (†with tenure) |

ADMINISTRATIVE POSITIONS

- 07/1973-06/1976 Chairman, Department of Geological Sciences, Columbia University.
 07/1973-05/1985 Member, Executive Committee and Administrative Board, Lamont-Doherty Geological Observatory of Columbia University.
 09/1994-08/2007 Associate Director, Institute for Geophysics, the University of Texas at Austin.
 05/1985-Present Member of the Budget Councils, Institute for Geophysics and Department of Geological Sciences, The University of Texas at Austin

MAIN FIELDS OF RESEARCH INTEREST

Earth evolution and Earth System processes; sub-fields—tectonic, orogenic processes; the super-continental cycle; structure and evolution of the Antarctic continent and plate; the Antarctic ice sheet.

ELECTIONS TO FELLOWSHIP

- 1996 Fellow, The Royal Society of Edinburgh
 1996 Corresponding Fellow, Edinburgh Geological Society
 1980 Corresponding Member, Asociación Geológica Argentina
 2005 Honorary Fellow, The Geological Society, London

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-Present Consulting Editor, *Transactions of the Royal Society of Edinburgh: Earth and Environmental 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): 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).
 2000-2006 Leader: West Antarctic GPS Network (Universities of Texas, Ohio State, and Memphis).
 2008-Present Co-Principal Investigator, US Antarctic component of international bipolar POLENET Project: Investigating Links Between Geodynamics and Ice Sheets.

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.

CONVENER, INTERNATIONAL WORKSHOPS AND CONFERENCES

- 07/1989 Convener, Symposium on Antarctic Geology, 28th International Geological Congress, Washington, D.C.
- 10/1992 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).
- 10/1995 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).
- 09/2000 Co-Convener, Geological Society of America Penrose Conference on “The Iapetus Ocean,” Edinburgh, Scotland, (with A.L Harris, R. Astini, and D.J. Fettes).
- 06/2001 Co-Chair, Technical Program, Joint Geological Society of America-Geological Society of London meeting on “Earth System Processes”, Edinburgh, Scotland, (with Ian Fairchild).
- 05/2013 Co-Convener, The Scotia Arc: Geodynamics & Global Significance (with A. Maldonado and P. Leat)

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 Gledden Senior Fellow, University of Western Australia.
- 1995 Goldschmidt Lecturer, Geological Survey of Norway.
- 1997 Bownocker Lecturer, The Ohio State University.
- 2009 Green Distinguished Visiting Chair, Texas Christian University

GEOLOGIC FIELD EXPERIENCE AND EXPEDITION LEADERSHIP (SEE APPENDIX FOR DETAILS)

Forty-five 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 ~35 field expeditions in Antarctica, Patagonia, and Tierra del Fuego

([‡] denotes region of special expertise)

FIELD EXCURSION LEADER

- 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 The Geological Society, London Bicentennial and 10th International Symposium on Antarctic Earth Sciences Expedition, “In the Footsteps of Darwin: the Geology and Tectonics of Tierra del Fuego.”
- 2012-2013 The Geological Society of America 125th Anniversary Cruise to the Scotia Arc and Antarctic Peninsula, “The Scotia Arc: Tectonics, Climate, and Life.”

SHIPBOARD EXPERIENCE (*see Appendix for details*)

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 (SEE APPENDIX FOR DETAILS)

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 schools in U.S.A. and U.K.

UTIG Outreach program lectures

Consultant on paleotectonics to Dynamic Earth, Texas Memorial Museum, Museum of Scotland, Scottish Heritage and various other museums/exhibits worldwide

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; converse—basically)

PROFESSIONAL SOCIETIES

Geological Society of America (Elected Fellow)

American Geophysical Union (Member)

Geological Association of Chile (Fellow)

The Geological Society, London, (Elected Honorary Fellow)

Geological Society of Argentina (Elected Corresponding Fellow)

Geological Society of Edinburgh (Elected Corresponding Fellow)

MEMBERSHIP OF U.S. 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.

1987-1988 Convener, Workshop on Antarctic Lithosphere (Supported by Division of Polar Programs, National Science Foundation).

1987-1988 Executive secretary and corresponding secretary for the United States, Scotia Arc Study Group of Working Group No. 2, International Geodynamics Project.

- 1987-1995 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.
- 2001-2006 Member of the Board, Canadian Lithoprobe Project.
- 2004-2007 International Coordinator and Member of US Organizing Committee, Xth International Symposium on Antarctic Earth Sciences, 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
 2006-2007 Appointments Committee, Jackson School of Geosciences
 2013 Jackson School of Geosciences, Chair of Search Committee for Shell Chair of Geophysics

DOCTORAL STUDENTS

J.M. Brown	Wisconsin	1967	A.M. Grunow	Columbia	1988
S.J. Brocoum	Columbia	1971	K. Schmitt	Columbia	1991
I. Alterman	Columbia	1973	W.D. Cunningham	Texas	1993
R.L. Bruhn	Columbia	1976	K.A. Klepeis‡	Texas	1993
S. Dutch	Columbia	1976	P. Rowell‡	Texas	1993
R. Kligfield	Columbia	1978	F. Hutson‡	Texas	
M.A. Winslow	Columbia	1980	D.H.N. Barker‡	Texas	1997
R.D. Forsythe	Columbia	1981	F. Kong‡	Texas	1998
E.P. Nelson	Columbia	1981	S. Loewy‡	Texas	2002
R.B. Allen	Columbia	1983	B. Davis	Texas	2015
T.J. Wilson	Columbia	1983			

MASTERS STUDENTS

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

‡co-supervised

BIBLIOGRAPHY

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

1. Volumes/Special Issues edited

- 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.
- 2014 Maldonado, A., Dalziel, I.W.D., and Leat, P., Scotia Arc: Geodynamic Evolution and Global Implications. *Global and Planetary Change*

BIBLIOGRAPHY**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.
- 1989 Dalziel, I.W.D., 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 (reviewed)

- 1983 Dalziel, I.W.D. and D.H. Elliot, The Antarctic Plate: A global perspective. *Geology*, v. 11, 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, 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, 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, 32-35 (Penrose Conference Report).
- 2013 Maldonado, A., Dalziel, I.W.D., and P. Leat. The Scotia Arc: Geodynamic Evolution and Global Implications, *EOS*, in press.

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, 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, 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, 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, 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, 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, 542-562.
- 1969 Dalziel, I.W.D., Brown, J. M., and T. E. Warren, The structural and metamorphic history of the

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- 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, 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, 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, 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, 309-335.
- 1971 Dalziel, I.W.D. and D.H. Elliot, Evolution of the Scotia Arc. *Nature*, v. 233, 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, 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, 1887-1894.
- 1972 Dalziel, I.W.D. and R. Cortés, Tectonic style of the southernmost Andes and the Antarctic Andes. Proceedings of the 24th International Geological Congress, Montreal, Canada, 1972, Section 3, 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, 552-568.
- 1973 Dalziel, I.W.D., Kligfield, R., Lowrie, W. and N.D. Opdyke, Paleomagnetic data from the southernmost Andes and the Antarctic Andes, 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, 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, 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, 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, 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, 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, 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, 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, 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, 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, 395-

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- 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, 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, 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, 237-258.
- 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 Helvetiae*, v. 73, 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, 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, 319-335.
- 1982 Dalziel, I.W.D. and D.H. Elliot, West Antarctica: Problem child of Gondwanaland. *Tectonics*, v. 1, 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, 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, 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, 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, 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, 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, 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, 107-108.
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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), also in Texas, 1985-present.; 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 Moinean 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.

FIELD EXPERIENCE

- 1980 Field season in southern Andes.
- 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)
- 2005-06 Field work, Antarctica (8 weeks)
- 2007 Field work, Tanzania (4 weeks)
- 2008-12 POLENET field work in Antarctica (1-2 months per year)
- 2013 Field work, Inner Hebrides, Scotland
- 2013 Field work, northern Patagonian Andes (2 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's field work from USCGC *Glacier* in South Shetland Islands and Antarctic Peninsula.

FIELD EXPERIENCE

- 1971 Senior Scientist, Cruise 71-1 of R/V *Hero*, Palmer Station, Antarctica, to Punta Arenas, Chile (February and March).
- 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.
- 04/2000 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”
- 10/2000 Co-PI, 2nd cruise of R/V *Nathaniel B. Palmer* for NSF project above.
- 05/2008 Chief Scientist, R/V *Nathaniel B. Palmer* cruise in Scotia Sea
- 2012-13 Scientific Leader *Akademik Ioffe* cruise to Scotia arc.
- 09-10/2014 Chief Scientist, scheduled cruise 1408 of R/V *Nathaniel B. Palmer*, Scotia Sea

CONVENER OF WORKSHOPS, CONFERENCES, ETC.

- 07/1989 Convener, Poster Session on Antarctic Geology, 28th International Geological Congress, Washington, D.C.,
- 03/1996 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, 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, 99-100.
- 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, 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, 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, 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, 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, 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, 152-154.
- 1974 Barker, P.F., Dalziel, I.W.D., et al., Southwestern Atlantic. *Geotimes*, v. 19, 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, 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, 244-246.
- 1975 Dalziel, I.W.D., Scotia Arc tectonics project, 1969-1975. *Antarctic Journal of the United States*, v. X, 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, 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, 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, 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, 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, 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, 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, 83.
- 1982 Dalziel, I.W.D., Tectonics of the Scotia Arc region. *Antarctic Journal of the United States*, v. XVII, 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, 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, 75-76.
- 1984 Dalziel, I.W.D., The Scotia Arc: An international geologic laboratory. *Episodes*, v. 7, no. 3, 8-13.
- 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, 35-36.
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- 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, 4-6.

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- 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*, 260-261.
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- 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, 1068 (review).
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- 1983 Dalziel, I.W.D., Plate Pursuits. *Nature*, v. 305, 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, 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, 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, 10-13.
- 1989 Dalziel, I.W.D. and H. Zimmerman, Antarctic Geoscience Initiative, *EOS*, v. 70, no. 17, 546.
- 1992 Dalziel, I.W.D., Tectonics, *Geotimes*, v. 37, no. 2, 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, 87-88. (Reply to comment by A.J. Boucot.)

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- 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, 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, 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, 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, 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, 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, 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.

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- 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*, 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, 19-20.
- 1967 Dalziel, I.W.D., Tectonic control of magmatization in the Scottish Caledonides. *Geol. Soc. Amer. Sp. Paper No. 115*, 41-42.
- 1969 Dalziel, I.W.D., Kinematic and dynamic analysis of Baraboo quartzite, Wisconsin, from tension gash bands. *Trans. Amer. Geophysical Union*, v. 50, 323.

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- 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, 421.
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- 1970 Dalziel, I.W.D., The evolution of the Scotia Arc. *Geological Society of America Annual Meeting. Milwaukee, Wisconsin*. November 1970, 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), 300-301.
- 1971 Dalziel, I.W.D., The South Orkney microcontinent. *Geological Society of America Annual Meeting, Washington, D.C.*, November, 1971, 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, 921.
- 1972 Dalziel, I.W.D., The evolution, disruption and fragmentation of the Andean-Antarctandean 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, 13-15.
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- 1973 Stirewalt, G.L. and I.W.D. Dalziel, Dynamic analysis of the Baraboo syncline, Wisconsin. *Trans. Amer. Geophysical Union*, v. 54, 457.
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- 1974 Brocoum, S.J. and I.W.D. Dalziel, Strain analysis of the Sudbury basin, Ontario. *Trans. Amer. Geophysical Union*, v. 55, 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, 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, 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, 705.
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- 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*, 129.

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- 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, 107-108.
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- 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, 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*, 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*, 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), 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.
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- 1985 Dalziel, I.W.D., Orogenic Processes in the Andes and the Antarctandes, *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.
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- 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*.
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