

Curriculum Vitae: James D. L. White

Qualification:	Institution:	Date of Graduation:
Ph.D.	Univ. California Santa Barbara	December 1989
M.S.	Univ. Missouri-Columbia	August 1985
B.S.	Texas Christian Univ.	May 1981
B.A.	Texas Christian Univ.	May 1981

Professional Affiliations/Memberships

International Association of Volcanology & Chemistry of the Earth's Interior (IAVCEI)
IAVCEI Executive Committee member, 2007- 2011
IAVCEI Commission on Volcanogenic Sedimentation, co-leader, 1998-2003
American Geophysical Union (AGU); Australia-New Zealand Regional Advisory Committee 2001-2003.
Geological Society of New Zealand
International Association of Sedimentologists

Employment History

Present Position

Associate Professor, Geology Department, February 2007 – present

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Associate Professor, Geology Department, February 2007-present

Senior Lecturer, above the bar, Geology Department, Feb 2005 – January 2007

Senior Lecturer, Geology Department, February 2001 - 2004

Lecturer, Geology Department, 3 August 1993- 31 January 2001

Postdoctoral Associate, Geology Department, University of California at Santa Barbara, U.S.A., November 1992 - July 1993

Alexander von Humboldt Postdoctoral Research Fellow, GEOMAR Research Center, Universität Kiel, Germany, September 1991 - October 1992

Isaac Walton Killam Postdoctoral Research Fellow, Centre for Marine Geology, Dalhousie University, Canada, December 1989 - June 1991

Collaboration

New Zealand, research collaboration ongoing since 1994 with personnel at GNS Wairakei Research Centre. North Island, NZ.

New Zealand, research collaboration with J. Rowland, Department of Geological Sciences, University of Auckland. Antarctica.

Also with Prof. Colin Wilson, shifted from GNS to Auckland 2005.

New Zealand, research collaboration with S. Cronin, R. Stewart & K. Nemeth (FRST postdoc; Otago PhD 2001), Institute of Natural Resources, Massey University. Volatile content of volcanic glasses (FTIR); Tongoa Island, Vanuatu, 2005.

U.S.A., University of Hawaii, Hawaii Undersea Research Lab; Processes of submarine explosive volcanism on Loihi seamount, Hawaii; a submersible study. P.I. Bruce Houghton, dives completed in 2006. Bruce co-supervises one of my Otago PhD students.

Germany, Universität Würzburg, Thermodynamics of magma-sediment interaction; DFG, Alexander von Humboldt (Alexander von Humboldt Foundation 2001; 2004; 2008; DFG 2008-2011). Volcanic explosions can be produced in this laboratory, and recorded on high-speed video, spark-cameras, and other instrumentation. I have repeatedly (2001, 2005, 2008) taken research and study leave for experiments at the lab, and am listed among 4 "partners and links" on the laboratory's webpage.

Germany, GEOMAR, Universität Kiel, Origin of Tertiary volcanism in southern New Zealand (K.A. Hoernle; 2000 William Evans Fellow, Geology; continuing project on South Island). I helped initiate a major research cruise east of New Zealand, results of which link with on-land work being undertaken by a Kiel PhD student. Hoernle has also provided me with research access to important volcanoclastic samples from the seafloor near Madeira Island, and provided a berth for Otago PhD student Ian Schipper for a 6-week sampling and mapping cruise in May-June 2007.

Republic of Korea, Gyeongsang University, Volcanology of monogenetic volcanoes, Jeju Island, etc. Began 2000; in October 2011 presenting invited lectures and providing advice to Korean National volcanology program.

U.S.A., University of Minnesota, St. Anthony Falls hydrological laboratory, 2002 - present; Experimental approaches to understanding transport and sedimentation of debris during subaqueous eruptions; "Essential investigator" NSF funding (~ \$US 180,000) to P.I Gary Parker. 2002-2004

U.S.A., University of Hawaii and University of Pittsburgh University, US National Science Foundation research project, "Explaining the eruption of huge volumes of magma-sediment mixtures preceding flood basalt volcanism: Karoo LIP, South Africa". PI's B.F. Houghton (Hawaii) and I.P. Skilling (Pittsburgh), 2001-2004, \$US 340,000

U.S.A., University of Hawaii, US National Science Foundation research project, "The dynamics of basalt eruptions in the deep sea: detailed study of eruptive hyaloclastite deposits with ALVIN", 1994-1998. My and an Otago PhD student's participation costs in this research were covered because I was invited to help write the proposal as a consequence of informal discussions with the principal investigator, R. Batiza.

U.S.A, University of California Santa Barbara, US National Science Foundation research project, "Lacustrine volcanism", 1992-1995

Canada, University of Quebec at Chicoutimi (Wulf Mueller), projects funded by DIAND (NW Territories) FUQAC (Quebec) and NSERC (Canada), and NSERC postdoctoral fellowship (Patricia Corcoran; now with Western University, Ontario) Subaqueous eruptive and depositional processes, 1991-present

Research Activities

Research Expertise

GEOLOGY 040100, volcanism, field geology

Volcanology 040103, phreatomagmatic processes, pyroclastic currents

Sedimentology 040104, volcanoclastics, flood deposits, gravity flows

Experience in Applied R & D, contract research, consultancies, patents
Consultant as Volcanology workshop leader to De Beers Ltd. for International
Kimberlite Workshop, South Africa and Botswana, May 2000
Evaluation of Kimberlite Petrology Unit, 2007, for De Beers Canada.

Research Grants (last six years)

- 2011, University of Otago Research Grant, Using seafloor pumice deposits to reveal how explosive submarine eruptions work . \$16,000
- 2008, University of Otago Research Grant, Magma meets mud: experiments in explosive phreatomagmatic volcanism. \$20,000
- 2008, Alexander von Humboldt returning researcher award, € 7,200, Laboratory investigation of effects of sediment-laden water on interactions with magma (w/ B Zimanowski; Wuerzburg)
- 2007, University of Otago Research Grant, Antarctica's Ferrar large igneous province and Gondwana breakup: Where's the rift?, \$20,000.
- 2007-2009, Antarctica NZ, "Clues from Ferrar province dikes and sills in the Transantarctic Mtns about interaction of flood-basalt magmas with tectonics at the time of Gondwana breakup". {estimated support value, > \$400,000} For field research in Antarctica, I've gained support since 2000 for three separate, 1- to 2-year, research programmes. The 5 seasons' support to date has been "shadow costed" by Antarctica NZ at ~ \$200k/season (~ \$1,000,000 in total). 2 PhDs completed, 5 MSc, 1 BSc honours thesis and one postdoc worked with us. Over a dozen papers published.
- 2004-2007-2009-2011, FRST subcontract (GNS Geological Hazards programme), \$40k/yr Volcanic processes and hazard. "Catastrophic Flooding and Lahars" was bid with Houghton and Wilson (GNS) as a new programme to PGSF in 1994; additional successful bids in 1995, 1996, and 1998 (at which time it was rolled into the GNS programme Geological Hazards) have supported completion of 2 PhDs, 5 MScs, and 3 BSc(hons) theses; 2 PhD and 2 MSc projects are active currently. 15 peer-reviewed articles and an edited volume have been published.
- 2006, University of Otago Research Grant, Analysis of fragmental deposits on Loihi seamount from explosive eruptions a kilometre underwater, \$18,687.
- 2005, University of Otago Research Grant, Magma movement at shallow depths in the Ferrar Province, Antarctica, \$24,200.

Research grants on which I am a named contributing researcher.

- 2008-2011, Heat discharge at the dynamic magma-water-interface in subaqueous and subglacial volcanism: Experiments and thermodynamic modelling. Deutsche Forschungsgemeinschaft (German Research Foundation) funding > € 100,000 covers laboratory experiments including lab staff, and provides travel support for members of the working group to gather periodically to work through results.

Supervision of Postgraduate Students [Lead supervisor, others]

JDL White

Postdoctoral researcher: Martin Jutzeler (beginning December 2011).
Using seafloor pumice deposits to reveal how explosive submarine
eruptions work. Swiss National Science Foundation postdoctoral fellowship.

JDL White

Benjamin Moorehouse (began September 2011). Volcanology of an
Oligocene "Surtseyan" volcanic field, eastern Otago, NZ. University of
Otago Scholarship.

JDL White

Robert Andrews (began September 2011). Thermodynamic analysis of the
maar-forming Rotomahana segment of the 1886 eruption of Tarawera, NZ.
University of Otago Scholarship.

JDL White, Magnus Tumi Gudmundsson (Iceland)

Carolyn Gorny, PhD (began September 2009), Origin of Pliocene mass-
flow deposits of basaltic hyaloclastite, SE Iceland. University of Otago
Scholarship.

JDL White, Bruce Kjarsgaard (Canada)

Nathalie Lefebvre, (began with Commonwealth, July, 2009), Physical
volcanology of maar-diatreme volcanoes, Hopi Buttes, Arizona, USA.
Commonwealth Scholarship.

JDL White, BF Houghton (Hawaii), Rebecca Carey (Australia)

Michael May, PhD (began June 2009), Dynamics of the 1886 Rotomahana
maar-diatreme eruption, Tarawera, North Island, NZ.

JDL White, Daphne Lee, RE Fordyce

Simone Hicks, PhD (began July, 2008), Ecological and sedimentological
evolution of the volcanically active Oligocene continental shelf, east Otago,
New Zealand. University of Otago scholarship.

JDL White, Gary Wilson, Alan Cooper

Andreas Auer, PhD (began July, 2008), Construction of Ruapehu: an AMS
study of magma flow in Ruapehu's plumbing system of dikes and sills.
University of Otago scholarship.

JDL White, B F Houghton (Hawaii)

Rachel Murtagh, PhD (dissertation submitted June 2011), Explosive
subaqueous eruptions. Out of Season University of Otago scholarship.

JDL White; J Michael Palin, Ewan Fordyce, R Sibson

Ray Marx, PhD (started Oct 2005; **on hold** while he is working on mining
contract for Pacific Porphyry), East Coast Tephra, North Island, New
Zealand; sedimentology, volcanology, and tectonic implications. FRST
Top Achiever scholar

JDL White, Bruce Houghton (Hawaii)

Jean-Baptiste Rosseel, PhD (started mid-year 1998), Eruption processes of
the 1886 Rotomahana eruption; deferred 2001-2001, 2004-2007;
withdrawn, December 2008.

JDL White, Gary Wilson

Isabella von Lichten, thesis-only MSc, (started 2001), Eruption, transport
and deposition of giant pumice blocks within Lake Taupo, 1.8 ka; currently
deferred due to serious medical problem. Most chapters complete, but
thesis submission awaiting improvement in health status.

Past postgraduate students (1st PhD, then MSc)

- JDL White**, Alan Cooper, J Rowland (Univ. Auckland)
Giulia Airoidi, PhD (2006-2010), Interaction of flood-basalt magmas with tectonics, Ferrar large igneous province, Antarctica. Science Division scholarship holder
- JDL White**, BF Houghton (Hawaii)
C Ian Schipper, PhD (2006-2009), Explosive Submarine Volcanism at Lō`ihi Seamount, Hawai`i. Science Division scholarship.
- JDL White**, Daphne Lee [CA Landis, retired]
Jon Lindqvist, PhD (1993-2009; part-time), The Wangaloa Shelf.
- D Crow**, C Rufaut, JDL White
Laura Haffert, PhD (2005-2009) Metal attenuation around historic mines
- JDL White**, RJ Norris, RH Sibson
Murray McClintock, PhD (2004-2006), Explosive volcanism during Gondwana break-up, South Africa, began Jan. 2004. FRST Top Achiever Doctoral Scholarship.
- JDL White**, David Johnston (GNS)
Kirsten Finnis, PhD (2001-2006), Population risk and resilience to volcanic activity, Taranaki region.
- JDL White**
Pierre-Simon Ross, PhD (2002-2005), Volcanology of the Mawson Formation at Coombs and Allan Hills, South Victoria Land, Antarctica.
- JDL White**
Postdoctoral researcher: Olivier Reubi (2004-2005), Debris avalanche cdeposits of the Mawson Formation, Allan Hills, South Victoria Land, Antarctica
- CA Landis**, JDL White co-supervisor
Beate Segschneider, PhD (1997-2001) Flooding and lahars in the Hawke's Bay region in response to the 1800a Taupo ignimbrite eruption, essential co-supervision
- JDL White**, Tony Reay co-supervisor
Karoly Nemeth, PhD (1998-2001) Physical volcanology of the Waipiata volcanics.
- JDL White**
Ulrike Martin, PhD (1997-2000), Initiation, growth and evolution of an alkaline shield volcanic complex during marine regression: the Dunedin volcano,
- JDL White**
Doris Maicher, PhD (1995-1999), A detailed study of eruptive hyaloclastite deposits with ALVIN
- JDL White**, J. Michael Palin
Bridgette Lewis, MSc (2005-2007), Depositional characteristics and source eruption(s) of the Potaka Pumice Formation and Kaimatira Beach Sand, Wanganui Basin, North Island, New Zealand.

JDL White, Gary Wilson

Emilie Guegan, MSc (2005-2006), Stress regime and emplacement of Ferrar Dolerite dikes and sills at Coombs Hills, Antarctica.

JDL White

Raymond Marx, MSc (2001-2004), The evolution of Lake Rotorua

JDL White

Ian Schipper, MSc (2004-2004), Chemical and mineralogical characterization of pyroclastic deposits from the ca. 1 Ma Kidnappers and Rocky Hill eruptions, Taupo Volcanic Zone, New Zealand

JDL White

Simone Hood Hills, MSc (2001-2004), Phreatomagmatic eruption processes within a large vent complex, Allan Hills, Antarctica

JDL White

Gillian Lockett, MSc (2001-2003), Avalanche widening of a large phreatomagmatic vent complex, Allan Hills, Antarctica

JDL White

Erin Newton, MSc (2001-2002), Initial response of a low-gradient catchment to regional ignimbrite emplacement, Rangitaiki River, Taupo Volcanic Zone

JDL White (CA Landis, previous supervisor, retired)

Brent Simpson, MSc (1999-2001), Murihiku terrane and Kaka Structural belt geology

JDL White

Murray McClintock, MSc (1999-1999) Phreatomagmatism at Coombs Hills, Antarctica

JDL White

Roger Clarkson, MSc (1993-1996), Shoreline deposits of Lake Taupo following the 1800a eruption

Distinctions

Invited speaker and advisor, Korea volcanology program, 2011.

Invited speaker, IUGG/IAVCEI symposium Subglacial and Subaqueous Volcanism.

Alexander von Humboldt Research fellowship re-invitation, Physical Volcanology Laboratory, Würzburg, Germany, 2008

Invited speaker, International Sedimentological Conference, Special Session on Catastrophic sedimentary processes: mechanism and hazard, 2006 (Also convenor of thematic set of technical sessions "volcano sedimentology")

Keynote Speaker, Magmas and Volatiles theme, Australian Geological Convention, Hobart, 2004. Keynote address & costs paid. The convention is the major, biennial, meeting of Australian geoscientists, and the largest English-language earth-science conference in Australasia.

Alexander von Humboldt Research residential research sponsorship, Würzburg Research Center, Germany, 2001

Keynote speaker, First International Maar Conference, Daun, Germany. August, 2000. Recognised the impact of my work on maar-diatreme volcanoes (including kimberlite). Maar-diatreme eruptions are explosive and sudden,

hence important hazards in volcanic fields such as Auckland. I've extended and modified key aspects of a successful conceptual model otherwise little changed since the 1970's. The International Maar Conference series continues (2004; 2007).

Invited volcanological advisor to governor of Cheju province, Korea. July 2000. One of two international volcanologists invited to Korea, costs covered, to review research results on volcanoes. The issue was whether a particular volcanic feature, subject of 2 leading research papers, was in need of statutory protection from a hotel/theme park development by Novotel. We were given extensive tours of volcanic features, produced a report for the governor, and held a press conference.

Volcanology workshop leader for DeBeers, Int'l. Kimberlite Workshop, South Africa & Botswana, 2000.

Alexander von Humboldt Research fellowship, GEOMAR Research Center, Germany, 1991

Izaak Walton Killam Postdoctoral Fellowship, Dalhousie University, Canada, 1989

Regents Scholarship, University of California-Santa Barbara, USA, 1984

Gregory Scholarship, University of Missouri-Columbia, USA, 1982

Teaching Activities

Range and level of teaching (Last three years only)

EAOS 111, Earth and Ocean Sciences, 18 pt

GEOL 112, Dynamic Earth: A New Zealand Perspective, 18 pt

GEOL 273/373, Sedimentary processes and materials, 18 pt

GEOL 264/364, Igneous petrology and mineralisation, 18 pt

GEOL 302, Field Studies 2, 27 pt

GEOL 422, Magmatic & Metamorphic Processes, half of 18 pt

GEOL 432, Geological Hazards and the Environment, quarter of 18 pt

GEOL 480, research project (PG Dip Sci), 24 pts

GEOL 490, Dissertation (BscHons, MSc, PhD), 48 pts

Teaching administration and leadership, quality assurance, evaluation

Internal PhD Examiner:

Miko Fohrman 2008, Christoph Zink 2000

Internal MSc examiner:

Hugh Davies 2009, Annette King 2008, Joseph Hughes 2005 {EnvSci}, Tim Mulliner 2007 {EnvSci}, Eric Osterberg 2001, PV Chadwick 1996, PJ Rolfe 1993

PhD Convenor of Examiners:

Ake Fagereng 2009; Daniel Thomas 2009; Adam Martin 2009; Doug McKenzie 2008

Significant Conference Involvement

- IAVCEI programme subcommittee, Scientific Committee, 2011 International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia; the major, quadrennial meeting of IUGG.
- Lead convenor, Symposium V13, "Understanding big volcanic systems", 2011 International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, AU; the major, quadrennial meeting of IUGG.
- Field-workshop leader, "Maar rims, crater deposits, diatremes and root zones: Hopi Buttes, Navajo Nation, Arizona", Commission on Volcanogenic Sediments, (IAVCEI).
- Lead convenor, Symposium 3-c, "Subaqueous explosive volcanism", 2008 General Assembly of the International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI). I was invited by the organisers to convene this day-long series of talks and posters at the 2008 General Assembly, the major quadrennial meeting of IAVCEI.
- Lead convenor, IAVCEI Workshop (Bruce Pauly, UC Davis, co-convenor), "Surtseyan volcanism: explosive subaqueous basaltic volcanism", Las Vegas, USA, October 2nd-9th 2007. International Association of Volcanology and Chemistry of the Earth's Interior, and IAVCEI commissions for Volcaniclastic Sedimentation (CVS), Explosive volcanism (CEV) and Volcano-Ice Interaction (VII).
- Plenary presentation on Explosive Subaqueous Volcanism, International Ocean Drilling Project Workshop "Addressing Geologic Hazards through Ocean Drilling", Portland OR, USA, August 2007.
- Lead convenor, Technical Session Theme 6, "Volcano Sedimentology", International Sedimentological Congress, Fukuoka, Japan, 2006. I was invited by the organisers to convene this day-long series of talks and posters at the 17th Congress, the major quadrennial meeting of the International Association of Sedimentologists.
- Invited speaker, Special Symposium "Catastrophic Sedimentary Processes: Mechanisms and Hazard Mitigation", International Sedimentological Congress, Fukuoka, Japan, 2006. My presentation is on hazards relating to submarine volcanic eruptions, which have sunk ships and caused deaths on multiple occasions in the seas near Japan.
- Keynote speaker, "magmas and volatiles", 17th Australian Geological Convention, Hobart, Tasmania, 2004. Keynote to conference theme "magmas and volatiles", for exploration and research geologists targeting volcanic rocks.
- Co-convenor of session "Subglacial and Subaqueous Volcanism", General Assembly of the International Association of Volcanology and Chemistry of the Earth's Interior, Pucon, Chile, 2004. Invited by organisers of the General Assembly (the major ~quadrennial conference of the volcanology association IAVCEI), in recognition of my profile among researchers examining water-involved volcanic eruptions.
- Meetings Committee, American Geophysical Union, 2002-2004. This committee has oversight of all AGU meetings worldwide.
- Programme Committee, West Pacific Geophysical Meeting (American Geophysical Union), Wellington, New Zealand, 2002

Conference Convenor (BF Houghton co-convenor), American Geophysical Union Chapman Conference "Explosive Subaqueous Volcanism", January 2002, Dunedin, NZ

Keynote speaker, First International Maar Conference, Duan, Germany, 2000

Invitational addresses to International Kimberlite Workshop, South Africa/Botswana, May 2000, Kimberly, South Africa

Keynote speaker, Special Session "Processes in physical volcanology and volcanoclastic sedimentation: modern and ancient" Geological Association of Canada annual meeting, Quebec City, Canada, 18-20 May, 1998

Field trip co-leader for pre-conference field trip at 1998 Geological Society of America Rocky Mountain Section meeting, Flagstaff, Arizona (see Dallegre et al, 1998; non-refereed publication)

Field trip leader for pre-conference field trip at 1996 Geological Society of New Zealand Annual Conference. (see Reay and White, 1996; non-refereed serial publication)

Service to External Academic and Professional Activities

Executive Committee, International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI, the main international volcanology organisation), 2007-2011

AGU Meetings Committee member, oversight of all conferences worldwide of the American Geophysical Union (then ~ 41,000 geoscientists from 130 countries); 2002-2004

Member of the Australia-New Zealand Regional Advisory Committee of the American Geophysical Union (1999 - 2001)

Co-leader of Commission on Volcanogenic Sediments (CVS) of the International Association of Volcanology and Chemistry of the Earth's Interior (1998 - 2003)

External examiner, "*Eruption dynamics and hydrological implications of basaltic volcanic centres at Lake Taupo*", MSc thesis, Waikato University, 2010.

External examiner, "*Explosive eruption mechanisms in the Kermadec Arc: evidence from pumice density studies*", BSc(hons) thesis, University of Auckland, 2009.

External examiner, "*Products and processes of cone-building eruptions from North Crater, Tongariro*", MSc thesis, Waikato University, 2007.

Examination Committee (Ledamot), "*Volcanism at the tip of a propagating rift: the Heimaey volcanic centre, south Iceland*". PhD dissertation, Stockholm University, Sweden, 2005.

External examiner, "*The Ohakuri pyroclastic deposits and evolution of the Rotorua-Ohakuri volcanotectonic depression*". PhD dissertation, University of Canterbury, 2004.

External examiner, "*Processes and products in kimberlitic crater facies of the south lobe, Jwaneng mine, Botswana.*" MSc thesis, Rhodes University, South Africa, 2000.

External examiner, "*Characteristics and origins of subaqueous silicic hyaloclastites, Ponza, Italy and Southwestern Hokkaido, Japan*", PhD dissertation, Monash University, Australia, 1999.

External examiner, “*Eruptive and depositional models for units 3 and 4 of the 1.85 ka Taupo Eruption: implications for the nature of large-scale “wet” eruptions*”. PhD dissertation, University of Canterbury, (1998).

Editorship of journals and periodicals

Executive Editor, *Bulletin of Volcanology*, July 2010 --. Sole head editor for the journal, 19th of 144 General Geoscience journals (2.7 ISI 2008 impact factor; 13th by 5-yr impact 3.4) & the official journal of the Int'l Assoc Volcanology & Chemistry of the Earth's Interior, the world's leading volcanological organisation.

Associate Editor, *Bulletin of Volcanology*, 2004 - 2010. One of twelve Associate Editors for the journal. AE's handle ~10 ms/yr, select reviewers and edit manuscripts, and may reject manuscripts at any stage.

Editorial Board, *International Journal of Earth Sciences (Geol. Rundschau)*; 2005-present. This journal was formerly *Geologische Rundschau*, established in 1910 & one of Europe's leading general geological journals. The ~thousand page/yr journal has a thirty-two member editorial board drawn from 11 countries. Members of the board handle several manuscripts a year, solicit reviews, edit manuscripts, and can reject manuscripts or recommend acceptance to the Chief Editor.

Associate Editor, *Island Arc*, 2007-present. Published on behalf of Geol. Soc. Japan, with the Japan Assoc. Quaternary Res., Japanese Assoc. Mineralogists, Petrologists and Economic Geologists, Palaeontological Soc. Japan and Society of Resource Geology. The journal has an international group of 34 associate editors, each of whom solicits reviews, edits manuscripts, and can reject manuscripts or suggest acceptance to the Chief Editors.

Editorial board, *Journal of Volcanology and Geothermal Research*; 1999-present. The largest (~3500 pgs/yr) publisher of volcanological research. The 48-member Board is drawn from 12 countries and provides benchmark reviews for ~200 manuscripts/yr to the Editors in Chief.

Publications

Listed in date order, preferably with the most recent publication first.

(For each entry the principal author should be indicated by the use of bold type. Include only published items or items which have been accepted for publication in the final form, preferably with pagination. For each yet to be published item please attach to the CV a copy of the publisher's letter advising of acceptance for publication.)

Books edited

For the 2001 and 2003 books listed below, I conceived the books, arranged and liaised with the publisher, solicited the contributions, edited an equal proportion to other editor(s), approved manuscripts handled by other editors, and finalised the volumes for the publisher. For the 2002 book, I helped solicit contributions, Skilling performed the lead-editor functions, and I edited ~ 40% of papers in the volume. For the 2007 book, I handled 40% of the manuscripts and final collation and submission to the journal editor; Németh and Martin are ex-students, and organised the international workshop that led to the volume. For the 2008 book, I handled about 30% of the manuscripts, wrote the Preface, and shared communications with the publisher.

Skilling IP, **White JDL** (2008) *Physical volcanology of large igneous provinces*. Special Issue of the Journal of Volcanology and Geothermal Research ISSN: 0377-0273, v. 172, issues 1-2.

Németh K, Martin U, Lorenz V, **White JDL** (2007) *Maar diatreme volcanism and associated processes*, Special Issue of the Journal of Volcanology and Geothermal Research ISSN: 0377-0273, v. 159, issues 1-3.

White JDL, Smellie JL & Clague DA (2003) editors. *Explosive Subaqueous Volcanism*. American Geophysical Union Monograph, Vol. 140, 390 pp. American Geophysical Union, Washington D.C. ISBN# 0-87590-999-X

Skilling I, **White JDL**, McPhie J (2002) editors. *Peperites: processes and products of magma-sediment mingling*. Elsevier Science, Amsterdam, 270pp. ISBN # 0-444-51160-1.

White JDL, Riggs NR (2001) editors. *Volcaniclastic Sedimentation in Lacustrine Settings*. International Association of Sedimentologists Special Publication 30 (Blackwell Scientific Publishing), 309 pp. ISBN # 0-632-05847-1.

Refereed Journal and Monograph Articles

Lefebvre NS, **White JDL**, Kjarsgaard BA (submitted 2011) Spatter dike reveals subterranean magma diversions: consequences for small multi-vent basaltic eruptions. *Geology*

Schipper CI, **White JDL**, Nichols ARL, Hellebrand E, Burgisser A, Murtagh RM (in revision 2011) Melt segregation on explosive timescales. *Geology*

Airoldi G, Muirhead JD, Zanella E, **White JDL** (in revision - 2011) Petrology and AMS data from Ferrar Dolerite sheets at Allan Hills (South Victoria Land, Antarctica). *Geophysical Journal International*

Auer A, **White JDL**, Manville VR (revision with editor 2011) Cryptic eruption of Mt. Ruapehu revealed by deposits of low-energy streamflow in a steep

mountain valley: The 4 ka Kiwikiwi Formation, Wangaehu Valley, NZ.
International Journal of Earth Science (Geologische Rundschau)

- Schipper CI, **White JDL**, Houghton BF (2011) Textural, geochemical, and volatile evidence for a Strombolian-like eruption sequence at Lō`ihi Seamount, Hawai`i. *Journal of Volcanology and Geothermal Research* 207 (1-2):16-32. doi:10.1016/j.jvolgeores.2011.08.001
- Sohn YK, Cronin SJ, Brenna M, Smith IEM, Németh K, White JDL, Murtagh RM, Jeon YM, Kwon CW (2011) Ilchulbong tuff cone, Jeju Island, Korea, revisited: A compound monogenetic volcano involving multiple magma pulses, shifting vents, and discrete eruptive phases. *Geological Society of America Bulletin*: doi: 10.1130/B30447.1
- Muirhead JD, Airoidi G, Rowland JV, **White JDL** (2011) Interconnected sills and inclined sheet intrusions control shallow magma transport in the Ferrar large igneous province, Antarctica. *Geological Society of America Bulletin*: doi: 10.1130/B30455.30451.
- White JDL**, Ross P-S (2011) Maar-diatreme volcanoes: A review. *Journal of Volcanology and Geothermal Research* 201(1-4): 1-29 doi: 10.1016/j.jvolgeores.2011.01.010
- Schipper CI, **White JDL**, Zimanowski B, Büttner R, Sonder I, Schmid A (2011) Experimental interaction of magma and "dirty" coolants. *Earth and Planetary Science Letters* 303 (3-4):323-336 doi: 10.1016/j.epsl.2011.01.010
- Murtagh RM, **White JDL**, Sohn YK (2011) Pyroclast textures of the Ilchulbong 'wet' tuff cone, Jeju Island, South Korea. *Journal of Volcanology and Geothermal Research* 201(1-4): 385-396. doi: 10.1016/j.jvolgeores.2010.09.009
- Airoidi G, Muirhead JD, **White JDL**, Rowland J (2011) Emplacement of magma at shallow depth: insights from field relationships at Allan Hills (South Victoria Land, East Antarctica). *Antarctic Science* 23(2): 281-296 doi:10.1017/S0954102011000095
- Schipper CI, **White JDL**, Houghton BF, Shimizu N, Stewart RB (2010) "Poseidic" explosive eruptions at Loihi Seamount, Hawaii. *Geology*, 38, 291-294. doi: 10.1130/G30351.1
- Schipper CI, **White JDL**, Houghton BF (2010) Syn- and post-fragmentation textures in submarine pyroclasts from Lō`ihi Seamount, Hawai`i. *Journal of Volcanology and Geothermal Research*, 191, 93-106. doi: 10.1016/j.jvolgeores.2010.01.002
- Schipper CI, **White JDL** (2010) No depth limit to hydrovolcanic limu o Pele: analysis of limu from Lō`ihi Seamount, Hawai`i. *Bulletin of Volcanology*, 72, 149-164. doi: 10.1007/s00445-009-0315-5
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