

February 2007 (16)

1. Antarctica New Zealand's new organisational structure: In December 2006 Antarctica New Zealand officially restructured. The new structure has been put in place to reduce the workload of the Operations Manager position. The new structure, at the management level, is listed below. Your event planning and field operations will be managed by the Manager: Antarctic Programme.

- a. Manager: Corporate Services - (Peter Smith) - Responsible for human resources, Office administration, IT support, Financial management and reporting.
- b. Manager: Science & Information - (Dean Peterson) - Responsible for the strategic direction of Antarctic science and the science bidding round, Information management.
- c. Manager: Environment & Outreach - (Neil Gilbert) - Responsible for environmental systems and stewardship, Strategy system, Public Affairs/(Partnerships/Outreach), Non-science programme.
- d. Manager: Antarctic Support - (Iain Miller) - Responsible for Intercontinental logistics and resupply system, Capital projects, Ship-based programmes, Project ANDRILL.
- e. Manager: Antarctic Programme - (Erik Barnes) - Responsible for On-ice annual programme, Scott Base staff, Infrastructure and plant, Maintenance system, Event planning system.

2. IPY Update: There is really not much to say at this point. We are still waiting for the budget round to take its course. Final decisions will be announced in May with the rest of the new budget. We are hoping to have some certainty about IPY funding before then, but nothing has been decided at this point.

3. Antarctica: 50 Years on the Ice - Just the Tip of the Iceberg: Antarctica New Zealand and the Royal Society of New Zealand are proud to be hosting a conference celebrating 50 years of New Zealand's involvement in the Antarctic. The conference will be held from the 2nd to the 6th July 2007 at the Duxton Hotel in Wellington, New Zealand. Early-bird on-line registration will commence in March.

The conference aims to present the successes of the past (IGY to present day) and enthuse New Zealand about its future in Antarctica. The conference will be a combination of invited talks from international and local scientists, artists and media, screening of films, panel discussions and poster sessions.

Invited Speakers include: Dr Diana Wall (US biologist), Dr Laura DeSantis (Italian oceanographer), Dr Clive Howard-Williams (NIWA biologist), Dr Susan Solomon (US atmospheric scientist), Prof Peter Barrett (VUW geologist), Prof Bill Manhire (VUW poet), Prof Klaus Dodds (UK political scientist).

5. More Antarctic-related awards! New Years Honours list: Two of Ant NZ's Board members were awarded appointments to the New Zealand Order of Merit (Paul Hargreaves and Graham Fortune) and two Antarctic scientists were awarded the New Zealand Antarctic Medal for services to Antarctic Science (John Bradshaw and Clive Howard-Williams). Dr Karl Erb, the NSF's Director of Polar Programs, was granted an honorary award of the New Zealand Antarctic Medal for services to the New Zealand Antarctic Programme. Also, Peter Barrett was awarded Wellingtonian of the Year by the Wellington Dominion Post. We congratulate them all on the national recognition of their achievements.

6. Ant NZ Postgraduate scholarships: This is the last reminder of these scholarships before the March 9th 2007 deadline. Please see <http://www.antarcticanz.govt.nz/research/1027> for more details. Many thanks are due to the scholarship sponsors: New Zealand Post, Kelly Tarlton's Antarctic Encounter and Underwater World, Helicopter's New Zealand and Antarctica New Zealand. Note also the upcoming

closing date for the Christchurch City Council Antarctic Scholarship administered by Gateway Antarctica (see <http://www.anta.canterbury.ac.nz/schols.shtml>).

March 2007 (17)

1. Preparations for the 2008/09 and/or 2009/10 bidding round: The Foundation for Research, Science and Technology and Antarctica New Zealand are working together on a combined assessment system for the bidding round to be announced in August 2007. This will be a two-year round and will incorporate science funding as well as logistical support. More details to come....

2. Antarctica: 50 Years on the Ice - Just the Tip of the Iceberg. **Registration and call for posters for this conference is now open.** For the latest version of the conference programme and more information go to: www.antarcticanz.govt.nz. **Note for students:** Contact your University Department for possible funds to attend the conference.

3. New Zealand Antarctic Bibliography updated and available on Gateway Antarctica's GIS web browser. Open the browser on: <http://www.anta.canterbury.ac.nz/gis/> and choose the Ant NZ bibliography as the visible and active layer. The publications will be displayed by location/general area. Click on the 'Information' button on the left panel and click on a point to identify the publications at that location. These are linked to the bibliographic information on Ant NZ's website (most recent publications will be updated on Ant NZ's website in August).

4. NZ IPY Youth Steering Committee February Newsletter can be downloaded from: <http://www.antarcticanz.govt.nz/major-projects/9494>

5. IPY Publications database available online at: <http://www.nisc.com/ipy>

Reminder:

6. 10th International Symposium on Antarctic Earth Sciences, UC Santa Barbara, August 26-31, 2007. Applications for travel grants now open. Go to: <http://isaes2007.geol.ucsb.edu/>

Publications since December:

Geophysics

Davey, F.J. Cande, S.C. Stock, J.M.

Extension in the western Ross Sea region-links between Adare Basin and Victoria Land Basin.

Geophysical research letters 33: L20315, 2006

doi: 10.1029/2006GL027383

Marine Biology

Cockrem, J.F.

Stress endocrinology and conservation.

in: Hormone Biotechnology. Maitra S.K.(ed). Delhi: Daya Publishing House. pp.346-353. 2007.

Harcourt, R.G. Kingston, J.J. Cameron, M.F. Waas, J.R. Hindell, M.A.

Paternity analysis shows experience, not age, enhances mating success in an aquatically mating pinniped, the Weddell seal (*Leptonychotes weddellii*).

Behavioral ecology and sociobiology 61(4): 643-652, 2007.

doi: 10.1007/s00265-006-0294-x

McMinn, A. Ryan, K.G. Ralph, P.J. Panowski, A.
Spring sea ice photosynthesis, primary productivity and biomass distribution in eastern Antarctica, 2002-2004.
Marine biology, 2006.
doi: 10.1007/s00227-006-0533-8

Webster, N.S. Battershill, C.N. Negri, A.P.
Recruitment of Antarctic marine eukaryotes onto artificial surfaces.
Polar biology 30: 1-10, 2006.
doi: 10.1007/s00300-006-0153-2

Webster, N.S. Bourne, D.
Bacterial community structure associated with the Antarctic soft coral, *Alcyonium antarcticum*.
FEMS microbiology ecology 59: 81-94, 2007
doi: 10.1111/j.1574-6941.2006.00195.x

Terrestrial Biology

Stevens, M.I. Hunger, S.A. Hills, S.F.K. Gemmill, C.E.C.
Phantom hitch-hikers mislead estimates of genetic variation in Antarctic mosses.
Plant systematics and evolution 263: 191-201, 2007.
doi: 10.1007/s00606-006-0484-z

Stevens, M.I. Frati, F. McGaughran, A. Spinsanti, G. Hogg, I.
Phylogeographic structure suggests multiple glacial refugia in northern Victoria Land for the endemic Antarctic springtail *Desoria klovstadi* (Collembola, Isotomidae).
Zoologica scripta 36(2): 201-212, 2007.

Other

Campbell, I.B. Claridge, G.G.C.
Permafrost properties, patterns and processes in the Transantarctic Mountain region.
Permafrost and periglacial processes 17: 215-232, 2006.
doi:10.1002/ppp.557

Davey, F.J.
Earth-Science Research in Antarctica -Status and Future Opportunities. An Editorial.
Terra Antarctica 12: 9-12, 2006.

Witze, A.
School of rock. [Highlighting Andriill activities from this season]
Nature 446: 129-131, 2007.

April 2007 (18)

1. IPY Funding: A decision on IPY funding is still pending. We will send out any relevant information as it is received.

2. The latest **SCAR Newsletter** (Issue 10, April 2007) can be downloaded from:

<http://www.scar.org/news/newsletters/>

3. Antarctica: 50 Years on the Ice - Just the Tip of the Iceberg Conference: A full and exciting programme is being finalised with 11 international and 26 national invited speakers. If you haven't checked out the programme yet, go to: <http://www.antarcticanz.govt.nz/article/6973.html#10429> to download the most up to date programme. This really is a one-off opportunity for us in New Zealand to have such a line-up of speakers on such a broad range of Antarctic-related topics, so we do hope you take advantage of this!!

Early-Bird registrations are open till May 30, so make sure you register before then to take advantage of this. Note that the deadline for the submission of poster abstracts is also May 30th.

4. Wellington Public Talks: The Royal Society of New Zealand is hosting three public talks in conjunction with the conference. These will be held at the Paramount Theatre, 25 Courtney Place, Wellington from 6-7pm. Tickets are \$15 each or \$30 for all three sessions and are available from the Paramount box office by person or by phone on 04 384 4080. Prices include a glass of wine from 5.30pm.

Tuesday 3 July: Authors Peter Carey and Craig Franklin: Come on a spectacular trip to the Antarctic with these inspirational guides. Introduction by Gareth and Jo Morgan who are planning their own Antarctic adventure.

Wednesday 4 July: Prof. Susan Solomon: Renowned for discovering the cause of the ozone hole over Antarctica and author of *The Coldest March* about Scott's Expedition to the South Pole. Introduction by Editor of the New Zealand Listener, Pamela Stirling.

Thursday 5 July: Poet Bill Manhire and Artist Dick Frizell. Radio New Zealand Arts Editor, Lynn Freeman, talks to Bill and Dick about their experiences visiting Antarctica through Antarctica New Zealand's Artists programme.

Publications submitted to Ant NZ this month:

Baumgaertner, A.J.G. McDonald, A.J.

A gravity wave climatology for Antarctica compiled from Challenging Minisatellite Payload/Global Positioning System (CHAMP/GPS) radio occultations.

Journal of geophysical research 112: D05103, 2007.

doi:10.1029/2006JD007504

McDonald, A.J. Baumgaertner, A.J.G. Fraser, G.J. George, S.E. Marsh, S.

Empirical Mode Decomposition of the atmospheric wave field.

Annales geophysicae 25: 237-284, 2007.

May 2007 (19)

1. **Two Weeks remaining** for Early Bird Registration and poster submission for the Antarctica: 50 Years on the Ice - Just the Tip of the Iceberg Conference.

Deadline is May 30th. If you haven't already checked-out the conference programme go to: <http://www.antarcticanz.govt.nz/article/6973.html#10429> and look at the line up of 26 national and 11 international speakers. Registration information can also be found here.

2. **Best Student Poster Competition:** *Icebreaker* have generously sponsored a first and second prize for the best student posters presented at the Just the Tip of the Iceberg Conference. So students, be sure to submit a poster abstract before May 30th!

3. **IPY Funding:** Hopefully you are already aware of the great news that the New Zealand government has agreed to allocate \$11.1 million new funding into IPY science over the next three years (July 2007 - June 2010). These funds have been allocated as:
\$3.6 million for CAML science voyage (Ship time and data collection for Census of Antarctic Marine Life)
\$3.0 million for marine science (\$1.0 million per annum to be distributed by MFish)
\$4.5 million for IPY science (\$1.5 million per annum to be distributed by FRST)
The Request for Proposals from the Foundation for Research, Science and Technology has been announced and can be found at: <http://www.frst.govt.nz/research/IPY.cfm>. All proposals will need to be directly linked to one of the 37 already agreed to IPY projects.

4. **Dean will be out of the office** from today until 14 June. He'll be in Europe for a conference on abrupt climate change, meeting with European Union Antarctic officials, at a CAML workshop and an Italian Antarctic biology workshop. He will be in regular email contact at d.peterson@antarcticanz.govt.nz so do contact him if you have anything for him to address.

5. **Are you going to the International Symposium on Antarctic Earth Sciences (ISAES)** meeting in Santa Barbara this August (<http://isaes2007.geol.ucsb.edu/>)? If you are, could you drop me a line to let me know. I'm just interested to see what New Zealand representation there will be.

June 2007 (20)

1. **EU meetings in Brussels:** Dean attended a number of meetings with EU Science Management people associated with D-G Science in Brussels. There are a number of opportunities for New Zealand researchers to collaborate with European researchers through the FP-7 framework of EU science. For more information look at the Facilitating Research co-operation between Europe and New Zealand (FRENZ) website www.frenz.org.nz. Dean will also be putting together a series of emails around some of these possible opportunities in the near future.

2. **Census of Antarctic Marine Life (CAML) International meeting:** Dean and Don Robertson from NIWA attended the CAML Science Steering group meeting in Poland in early June. The meeting focused on the results of the recent German led voyage near the Larsen B ice shelf and Weddell Sea area and looked at the future plans for all the countries involved with CAML. New Zealand will be leading one of the largest voyages for CAML in the Ross Sea this season. The next New Zealand meeting will be on 21 June at NIWA in Wellington. For more information contact Don at d.robertson@niwa.co.nz

3. IPY proposals into the FRST: The Foundation for Research, Science and Technology have closed the proposal portal for IPY contestable proposals on 14 June. They received a total of 24 proposals from most of the major science providers around the country. Thank you for your efforts to make this very tough deadline. As all of you are aware we are still looking to fund and support the successful proposals in the 2007/08 Antarctic season.

4. Antarctica: 50 Years on The Ice - Just the Tip of the Iceberg: Registration is still open to attend this conference in Wellington from 2-6 July. On the day registrations will also be accepted. For more information and a copy of the updated programme go to:
<http://www.antarcticanz.govt.nz/article/6973.html#10429>

5. Wine and Ice at the Paramount, Wellington 3-5 July:

Tuesday 3 July 2007. Authors Peter Carey and Craig Franklin. Come on a spectacular virtual trip to the Antarctic with our inspirational guides Peter Carey and Craig Franklin. Introduction by Gareth and Jo Morgan, who are planning their own Antarctic adventure.

Wednesday 4 July. Dr Susan Solomon. Renowned for discovering the cause of the ozone hole over Antarctica and author of *The Coldest March*, about Scott's Expedition to the South Pole. Introduction by editor of the New Zealand Listener, Pamela Stirling.

Thursday 5 July. Poet Bill Manhire and Artist Dick Frizzell. Lynn Freeman, Arts on Sunday presenter for Radio New Zealand National, talks to Bill and Dick about their experiences visiting Antarctica through Antarctica New Zealand's Artists programme.

Paramount Theatre. 25 Courtenay Place, Wellington. Tickets cost \$15 for each session, and include a complimentary glass of wine from 5.30pm. Each session runs from 6.00pm to 7.00pm. Tickets are available from mid-June from the Paramount box office, in person, or by phone on 04 384 4080.

Publications Submitted to Ant NZ since May

Adams, B.J. Wall, D.H. Gozel, U. Dillman, A.R. Chaston, J.M. Hogg, I.D.

The southernmost worm, *Scottinema lindsayae* (Nematoda): diversity, dispersal and ecological stability. *Polar biology* 30: 809-815, 2007.

doi: 10.1007/s00300-006-0241-3

Gilichinsky, D.A. Wilson, et al.

Microbial populations in Antarctic permafrost: biodiversity, state, age, and implication for astrobiology. *Astrobiology* 7(2): 275-311, 2007.

doi: 10.1089/ast.2006.0012

Murphy, D.J. Forbes, J.M. Walterscheid, R.L. Hagan, M.E. Avery, S.K. Aso, T. Fraser, G.J. Fritts, D.C. Jarvis, M.J. McDonald, A.J. et al.

The climatology of tides in the Antarctic mesosphere and lower thermosphere.

Journal of geophysical research 111: D23104, 2006.

doi: 10.1029/2005JD006803

Wilson, G. Damaske, D. Miller, H.-D. Tinto, K. Jordan, T.

The geological evolution of southern McMurdo Sound new evidence from a high-resolution aeromagnetic survey.

Geophysical journal international, 2007.
doi: 10.1111/j.1365-246X.2007.03395.x

July 2007 (21)

1. Just the Tip of the Iceberg Conference: Thank you to all of you who attended and made this conference such a success. The week was full of insightful and informative talks highlighting research that has been undertaken, the many questions that are yet to be answered, and the high degree of collaboration we have with our American and Italian colleagues. Science was interspersed with media, arts, education, history and policy, exemplifying the broad nature of Antarctic activities that New Zealand is involved in. For us, the hard work you all put into the New Zealand Antarctic programme was summarised so well by Dr Susan Solomon on the last day who said :'I think you have a programme of profound excellence'. High praise indeed, that you should certainly recognise and be proud of!

We are working on a way to make the PowerPoint presentations from the conference available. Also, as so much useful information came out of the conference that can help us look to the future, we are working on some form of output that will highlight these main statements from the conference. More news on both of these shortly....

2. Focus Group Feedback: During the conference, we trialed our first Antarctic Science Community Focus Group. This involved the attendees scoring 11 statements relating to Ant NZ's involvement in Antarctic science management, and its provision of logistics service to the science community. We then discussed the responses and talked about other issues which were raised during the discussions. We are now looking over the results from the survey and the comments that were made during the discussions to look for ways of improving our support for you. Over the next few weeks we will create a list of actions from the discussions and send those around for your review. Over the next year we will work on these actions and by next year's conference you will be able to tell us during the next Focus Group discussion if we are moving in the appropriate direction!

Thank you to all who participated in this first attempt to gather feedback from the science community through direct group discussions on issues. We realise that this was not necessarily easy for you, but we do think that we will gain important insight into areas that we need to change and/or improve for everyone involved in Antarctic science.

3. Foundation Bidding Round Process: Dean is working closely with the Foundation for Research, Science and Technology to develop a combined bidding round for the next two seasons (2008/09 and 2009/10). The new process will be announced in mid August and will incorporate a peer-review process with the FRST contestable process. The combined process will be a single decision point for funding and logistics support. For those who are not seeking funding, your application for logistical support will still need to go through this process. More on this in a few weeks...

4. Antarctic Science Advisory Committee: As announced at the conference earlier this month, a new advisory committee of Antarctic scientists and government officials is being formed to look at New Zealand's priorities for Antarctic and Southern Ocean research over the next 5 to 10 years. The committee will be chaired by Mr Kerry McDonald (Antarctica New Zealand Board member).

5. PI Tour: Yes, it is that time of year again. We will be coming around to all the PIs for this coming season to talk about your event needs and further discuss the changes to the science system that are just about upon us. Dean, Erik, Simon and Rod will be involved with the entire tour and Shul will be working with all the LGP PIs. See you soon!

6. Publications: You've all been awefully quiet on this front! Please do send any NZ supported Antarctic-related publications to Shulamit so that these can be included in the NZ Antarctic Bibliography and titles circulated on this monthly update so we can get an idea of what we are all upto.

August 2007 (22)

1. The upcoming bidding round for the next two seasons (2008/09 and 2009/10) will be announced shortly. This will be a combined FRST and Antarctica New Zealand process and will incorporate a peer-review process with the FRST contestable process. Please note that there is **no** FRST funding available for this bidding round. All applicants must therefore already have science funding from other sources, and will be applying for Antarctic logistic support only. We'll let you know as soon as the bidding round opens...

2. FRST IPY Contestable funding announced: Congratulations to the 6 projects that were approved for funding - 3 from NIWA and one each from University of Otago, University of Waikato and Victoria University of Wellington. For more information go to:

http://www.antarcticanz.govt.nz/downloads/mediarelease/PR_FRST_IPY.pdf

3. The 2008 Annual Antarctic Conference will be hosted by the University of Otago in Dunedin. This will be a two and a half day conference from Monday 30 June to Wednesday 2 July. We plan to have an Icebreaker on the Monday evening and the conference dinner on the Tuesday evening. So please put these dates in your calendar! If any body would like to take this opportunity to hold meetings/workshops in conjunction with the conference please contact Shulamit.

4. The 2007 Conference Abstract Workbook is available to download online at:

<http://www.antarcticanz.govt.nz/article/6973.html#10429>. Also, DVDs of the proceedings of days 3-5 inclusive are available from Shulamit if you wish to view any of the talks. A publication drawing together the key themes and outcomes of the conference is being worked on.

5. Other Conferences to note:

a) SCAR/IASC Open Science Conference – St. Petersburg, 8-11 July, 2008 will focus on Arctic and Antarctic Perspectives in the International Polar Year. Attached is the draft outline structure for the scientific sessions for your information.

b) World Conference on Marine Biology, 11-15 November 2008, Valencia Spain. See:

www.marbef.org/worldconference

6. The NZ Antarctic bibliography is now being handled by Ursula Ryan who is our Information Advisor. Please email your publications to her at u.ryan@antarcticanz.govt.nz

Publications Submitted to Antarctica NZ this month:

Atmospherics:

Huck, P.E. Tilmes, S. Bodeker, G.E. Randel, W.J. McDonald, A.J. Nakajima, H.
An improved measure of ozone depletion in the Antarctic stratosphere.
Journal of geophysical research 112(D11): D11104, 2007.
doi:10.1029/2006JD007860

Biology

Jungblut, A-D. Hoeger, S.J. Mountfort, D.O. Hitzfeld, B.C. Neilen, B.A.
Characterization of microcystin production in an Antarctic cyanobacterial mat community.
Toxicon 47(3): 271-278, 2006.
doi:10.1016/j.toxicon.2005.11.002

Howard-Williams, C. Hawes, I.
Ecological processes in Antarctic inland waters: interactions between physical processes and the nitrogen cycle.
Antarctic science 19(2): 205-217, 2007.
doi: 10.1017/S0954102007000284

Metcalf, V.
Fishy tales from Antarctica.
in: ISS 2007 Ecoscience textbook. (34th Professor Harry Messel International Science School 2007). Stewart C.(ed) Sydney: The Science Foundation for Physics within the University of Sydney. 2007. pp.122-145

Metcalf, V.
Extreme living in Antarctica.
in: ISS 2007 Ecoscience textbook. (34th Professor Harry Messel International Science School 2007). Stewart C.(ed) Sydney: The Science Foundation for Physics within the University of Sydney. 2007. pp.146-161

Novis, P.M. Whitehead, D. Gregorich, E.G. Hunt, J.E. Sparrow, A.D. Hopkins, D.W. Elberling, B. Greenfield, L.G.
Annual carbon fixation in terrestrial populations of Nostoc commune (Cyanobacteria) from an Antarctic dry valley is driven by temperature regime.
Global change biology 13: 1224-1237, 2007.
doi: 10.1111/j.1365-2486.2007.01354.x

Sea Ice

Vaughan, G.L. Squire, V.A.
Scattering of ice-coupled waves by variable sea-ice terrain.
Annals of glaciology 44: 88-94, 2006.

Williams, D.T. Squire, V.A.
Scattering of flexural-gravity waves at the boundaries between three floating sheets with applications.
Journal of fluid mechanics 569: 113-140, 2006.
doi:10.1017/S0022112006002552

Squire, V.A.
Of ocean waves and sea-ice revisited.
Cold regions science and technology 49: 110-133, 2007.
doi:10.1016/j.coldregions.2007.04.007

Vaughan, G.L. Williams, T.D. Squire, V.A.
Perfect transmission and asymptotic solutions for reflection of ice-coupled waves by inhomogeneities.
Wave motion 44: 371-384, 2007.
doi:10.1016/j.wavemoti.2007.01.001

Vaughan, G.L. Squire, V.A.
Scattering of ice coupled waves by a sea-ice sheet with random thickness.
Waves in random and complex media 17(3): 357-380, 2007.
doi:10.1080/17455030701250467

Williams, T.D. Squire, V.A.
Wave scattering at the sea-ice/ice-shelf transition with other applications.
SIAM journal of applied mathematics 67(4): 938-959, 2007.
doi:10.1137/060659351

Paleoclimate

Barrett, P.J.
Results, organisation and assessment of the Cape Roberts Project (1992-2001).
Terra Antarctica 12: 29-34, 2006.

September 2007 (23)

- 1. Science Strategy:** The first meeting of the Antarctic Strategic Advisory Committee was held on 18 September. The committee has been convened by AntNZ and FRST and will be crafting a focused science strategy for future research directions and the framework for support of Antarctic and Southern Ocean science. The committee is chaired by Kerry McDonald (Ant NZ board), and consists of Robin Falconer (GNS Science), Clive Howard-Williams (NIWA), John Montgomery (University of Auckland and Ant NZ board), Vernon Squire (University of Otago), Di McCarthy (RSNZ), and Neville Smith (Ministry of Fisheries).
- 2.** Dean attended the International **Symposium on Antarctic Earth Sciences (ISAES)** in the USA at the end of August. The conference highlighted work done by many New Zealand scientists including tectonic research by Rupert Sutherland and ANDRILL outcomes presented by Tim Naish. A total of 15 NZ Antarctic scientists presented at the conference. Well done!
- 3.** The Conference **page on Ant NZ's website** has been updated (<http://www.antarcticanz.govt.nz/article/6699.html#9756>). Check it out for the upcoming 2008 conferences. Please contact Shulamit if you know of any other appropriate conferences or workshops that should be added.
- 4. Launch a virtual Balloon for the International Polar Day** on sea ice on September 21st. See http://www.ipy.org/index.php?ipy/detail/sea_ice.

Reminders:

- 5. The 2008 Annual Antarctic Conference** will be hosted by the University of Otago in Dunedin from Monday 30 June to Wednesday 2 July.
- 6. SCAR/IASC Open Science Conference** – St. Petersburg, 8-11 July, 2008 will focus on Arctic and Antarctic Perspectives in the International Polar Year.

Publications submitted to Ant NZ this month:

Farrell, R.L.

Scientific evaluation of deterioration of historic huts of Ross Island, Antarctica.
New Zealand science teacher 114: 12-14, 2007.

Lamare, M.D. Baker, M.F. Lesser, M.P.

In situ rates of DNA damage and abnormal development in Antarctic and non-Antarctic sea urchin embryos.
Aquatic biology 1: 21-32doi: 10.3354/ab00003, 2007.

Proffitt, K.M., Garrott, R.A. Rotella, J.J. Wheatley, K.E.

Environmental and senescent related variations in Weddell seal body mass: implications for age-specific reproductive performance.
Oikos 116: 1683-1690, 2007.

October 2007 (24)

- 1. Bidding Round Update:** Antarctica New Zealand and the Foundation for Research, Science and Technology have combined for the next two-year bidding round process. The deadline for proposals is coming up on 26 October at mid-day. If you currently have funding through a negotiated or competitive proposal to the FRST, or from Marsden, and are only seeking logistical support, you will only need to fill out the 'Summary Information and Logistics' form found on the FRST Antarctic support webpage at <http://www.frst.govt.nz/research/Antarctic.cfm> . Otherwise, you will need to submit a full proposal through the MyFRST portal. If you have any questions please don't hesitate to contact Dean.
- 2.** The application round for the **Antarctic Postgraduate Scholarships** for 2008/09 has now opened. The deadline for applications is March 7 2008. Leaflets and posters advertising this scholarship have been mailed out to departments/institutions and key contacts, but if you haven't received any and would like some, do let Shulamit know. For more information contact Shulamit or go to: <http://www.antarcticanz.govt.nz/research/1027>
- 3. CAML Update:** The Census of Antarctic Marine Life (CAML) IPY research voyage is planned to start at the end of February 2008. The RV *Tangaroa* will be sampling in three specific areas of the Ross Sea (continental shelf, slope and abyssal plain) during the 50 day voyage. The Ministry of Fisheries is currently negotiating with proposers on the research that will be done on the post-research voyage samples collected during the research voyage. The RV *Tangaroa* cruise is one of 14 planned for the International IPY-CAML project.

4. Attached is the First Announcement for the **SCAR/IASC IPY Open Science Conference** to be held in St Petersburg, Russia from July 8-11 2008. Note that several business meetings/workshops will be held from 5th July also. It would be great to see a strong New Zealand contingent represented at this conference, so mark it on your calendar now!!

Reminder:

The 2008 Annual Antarctic Conference will be hosted by the University of Otago in Dunedin from Monday 30 June to Wednesday 2 July.

Publications submitted to Ant NZ this month:

Ainley, D. Ballard, G. et al.

Opinion: paradigm lost, or is top-down forcing no longer significant in the Antarctic marine ecosystem?

Antarctic science 19(3): 283-290, 2007.

doi: 10.1017/S095410200700051X

Bradshaw, J.D.

The Ross Orogen and Lachlan Fold Belt in Marie Byrd Land, Northern Victoria Land and New Zealand : implication for the tectonic setting of the Lachlan Fold Belt in Antarctica.

USGS open-file report 2007-1047. Short research paper 059, 4 pp, 2007. doi: 10.3133/of2007-1047.srp059

Cooper, A.F. Adam, L.J. Coulter, R.F. Eby, G.N. McIntosh, W.C.

Geology, geochronology and geochemistry of a basanitic volcano, White Island, Ross Sea, Antarctica.

Journal of volcanology and geothermal research 165: 189-216, 2007.

Davey, F.J. Jacobs, S.S.

Influence of submarine morphology on bottom water flow across the western Ross Sea continental margin, in Antarctica: a keystone in a changing world?

USGS Open-File Report 2007-1047, Short research paper 067, 5 pp, 2007.

doi:10.3133/of2007-1047.srp 067

Simpson, W.R. von Glasow, R. Riedel, K. et al.

Halogens and their role in polar boundary-layer ozone depletion.

Atmospheric chemistry and physics 7: 4375-4418, 2007.

Webster-Brown, J.G. Webster, K.S.

Trace metals in cyanobacterial mats, phytoplankton and sediments of the Lake Vanda region, Antarctica.

Antarctic science 19(3): 311-319, 2007.

doi: 10.1017/S0954102007000417

November 2007 (25)

1. Bidding Round Update: Antarctica New Zealand and the Foundation for Research, Science and Technology have combined for the next two-year bidding round process. The deadline for proposals was on 26 October at mid-day. We received a total of 19 proposals and the quality of the proposals has been very impressive. Thank you all for your efforts on these.

We are currently in the process of having the proposals internationally peer-reviewed by two referees. An Advisory Committee will meet on 12 December to discuss the proposals and the external reviews. Once that is completed the research with high merit will go to our logistics group for their comments on support and then a presentation on what can be supported will be given to the Board of Antarctica New Zealand in mid-February. Following the Board meeting all proposers will be contacted with the outcome of the review process.

2. Science Strategy: The first draft of a short Antarctic and Southern Ocean science strategy document is almost ready for consultation. The Boards of Antarctica New Zealand and the FRST are commenting on the document over the next month. We hope to have this out to the Antarctic science community early in the new year.

3. Call for Abstracts: SCAR and its Arctic counterpart IASC (International Arctic Science Committee) have now issued the plan of sessions for the joint SCAR/IASC IPY Open Science Conference that will take place in St Petersburg, Russia, on 8-11 July 2008. Natural and social scientists are invited to present abstracts under a series of session headings that address the themes of the International Polar Year (IPY). Abstracts are due by January 15. For information on the sessions see the First Circular at <http://www.scar.org/>; further details are available from the conference web site at <http://www.scar-iasc-ipy2008.org>, where information regarding registration, accommodation and visas will soon be posted. Please spread the word among your colleagues and students. St Petersburg is a well known tourist destination, so it is advisable to book a place early to avoid disappointment.

4. SCAR are calling for nominations for the **SCAR medals for 2008**. You will find the Circular on the following web site:- <http://www.scar.org/members/circulars/>. Submissions are required by 1 February 2008. The awards will be made on July 8, 2008, in St. Petersburg.

5. The next IPY Day is focusing on Ice Sheets on December 13th - see the attached flyer for more information.

Reminders:

6. The application round for the **Antarctic Postgraduate Scholarships** for 2008/09 has now opened. The deadline for applications is March 7 2008. For more information contact Shulamit or go to: <http://www.antarcticanz.govt.nz/research/1027>

7. The 2008 Annual Antarctic Conference will be hosted by the University of Otago in Dunedin from Monday 30 June to Wednesday 2 July.

Publications submitted to Ant NZ this month:

Norkko, A. Thrush, S.F. Cummings, V.J. Gibbs, M.M. Andrew, N.L. Norkko, J. Schwarz, A-M.
Trophic structure of coastal Antarctic food webs associated with changes in sea ice and food supply.
Ecology 88: 2810-2820, 2007.

Convey, P. Stevens, M.I.
Antarctic biodiversity.
Science 317: 1877-1878, 2007.

van Vuren, B.J. Mortimer, E. Stevens, M.I. Marshall, D.J. Convey, P. Daniels, S.R. Chown, S.L.
Molecular data can help to unveil biogeographic complexities since the Miocene: lessons from
ameronothroid mites and isotomid springtails - Online Proceedings of the 10th ISAES
USGS Open-File Report 2007-1047, Extended abstract 008 : 1-4, 2007.

Convey, P. Gibson, J.A.E. Hodgson, D.A. Pugh, P.J.A. Stevens, M.I.
New terrestrial biological constraints for Antarctic glaciation.
USGS Open-File Report 2007-1047, Extended abstract 53 : 1-4, 2007.

Ralph, P. Ryan, K.G. Martin, A. Fenton, G.
Impact of salinity change on photosynthesis in sea ice algae.
Journal of phycology 43(5): 948-956doi:10.1111/j.1529-8817.2007.00382.x , 2007.

Wheatley, K.R.
Reproductive Strategies of Adult Female Weddell Seals (*Leptonychotes weddellii*) and Their Implications
for Pup Survival.
Ph.D., University of Tasmania Hobart: University of Tasmania.

Wheatley, K.E. Nichols, P.D. Hindell, M.A. Harcourt, R.G. Bradshaw, C.J.A.
Temporal variation in the vertical stratification of blubber fatty acids alters diet predictions for lactating
Weddell seals
Journal of experimental marine biology and ecology 352: 103-113, 2007.

December 2007 (26)

- 1. IPY Website:** Antarctica New Zealand is proud to announce the launch of a new IPY website which can be found at: www.ipy.antarcticanz.govt.nz. The new site describes all the IPY projects supported over the next two years by New Zealand. Please take a look at all the exciting research taking place under the New Zealand IPY banner.
- 2. Bidding Round:** The Antarctic Research Advisory Committee met on 12 December to discuss the 19 proposals and their reviews received for the 2008/09 and 2009/10 Antarctic seasons. Letters stating the outcome of this meeting are currently being sent to all applicants. Accepted proposals will now go through the logistical support process to determine our abilities to support the proposed work. Once all the logistics requirements are collated, a full season of events will be presented to the Board of Antarctica New Zealand on 14 February. After the Board's review, final letters of acceptance for the next two seasons will be sent out to all successful PIs that we are able to support.

3. **The New Zealand Antarctic Bibliography** has recently been updated on our website. Go to the address below to search through the publications that have been submitted to us until September 2007.
<http://www.antarcticanz.govt.nz/education/1135?PHPSESSID=c88f00f3c3cb308dbd81635cd8abffff>
4. A new website presenting **links to Arctic and Antarctic web sites** has been launched at: www.polarlink.org. You may want to check this out and make sure your organization/research project is represented properly (if at all). It's also potentially a good one stop shop for all things Antarctic and Arctic?
5. **SCAR/IASC IPY Open Science Conference St Petersburg, Russia from July 8-11 2008** online registration and abstract submission **now open**. Go to: <http://www.scar-iasc-ipy2008.org/> Note that several business meetings/workshops will be held from 5th July also.

Reminders:

6. The application round for the **Antarctic Postgraduate Scholarships** for 2008/09 is open. The deadline for applications is March 7 2008. For more information contact Shulamit or go to: <http://www.antarcticanz.govt.nz/research/1027>
7. **The 2008 Annual Antarctic Conference** will be hosted by the University of Otago in Dunedin from Monday 30 June to Wednesday 2 July.