

**International Polar Year Science Conference
Oslo (Norway) 10-11 June 2010**

Session 4-3

History of polar Exploration, cooperation, research and logistics

This session will focus on the discussion of contextual factors such as the scientific and socio-cultural background that triggered co-operation or non co-operation at different historical stages of polar research as well as aspects of the everyday life of polar explorers and the impact of politics and economy on polar expeditions. Furthermore, it will be discussed how, over time, polar field stations have served serve as units of knowledge production in the field and what role they, along with scientific cooperation, have to play to do.

Thursday 10 June, 11:00 - 12:30

Chair: Ron Doel

B. Stonehouse, Scott Polar Research Institute, University of Cambridge, United Kingdom

Cold Co-operation: Whaling, the Royal Navy, and 18th -19th Century Exploration in the North Atlantic Arctic

Lisbeth Lewander, Department of Cultural Sciences, University of Gothenburg, Sweden

State support for the Swedish Antarctic Expedition 1901-03

J.A. Diesen, Lillehammer University College, Norway

Silent films from Expeditions to the North and the South Pole.

TC Vance, San Francisco State University, United States

Why was the work done there? Geographic approaches to understanding the spatial and temporal patterns of Arctic research and research stations

Jörn Thiede¹, L. Lembke-Jene^{*2}, B. Wolff-Boenisch² N. Biebow², R. Azzolini³ P. Egerton³

¹University of Copenhagen, Denmark, Denmark, ²Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany, Germany, ³European Science Foundation, Strasbourg, France, France

Breaking the ice: past and future strategies for European marine polar research - The AURORA BOREALIS perspective

Friday 11 June, 09:30 - 10:30

Chair: Lisbeth Lewander

D.G. Anderson, University of Tromso, Norway

The 1926/27 Polar Census Expeditions and the Beginning of Soviet Power in the North

Julia Lajus*¹, Sverker Sorlin²

¹European University at St. Petersburg, Russian Federation, ²Royal Institute of Technology, Sweden

Melting the Glacial Curtain: Hans Ahlmann and Scandinavian-Soviet Connections in Understanding the Arctic Environment

Robert Marc Friedman, University of Oslo, Norway

Making the aurora Norwegian: The cultural-politics of the northern light as national icon and research specialty

Anders Houltz, Royal Institute of Technology, Sweden

Mediating the modern arctic nation: IPY's and national ambitions on museum display in Norway and Sweden

Friday 11 June, 11:00 - 12:30

Chair: Ursula Rack

K. Granqvist, Independent scholar, Sweden

"The Stranger Within" : Representations of Sámi in Norden in 19th-century Swedish Natural Scientific Works

Urban Wråkberg, Barents Institute, Boreas & LASHIPA programmes, Norway

The Sami Experience of Developing Scholarship

S. Zeller*¹, C.J. Ries² ¹Wilfrid Laurier University, Canada, ²Roskilde University, Denmark

Wild Men In and Out of Science: Negotiating the Professional-Popular Borderland in Arctic Canada and Greenland during the Early 20th c.

Robert B. Bird, Florida State University, United States

Reframing Arctic History during the Cold War: Science, Empire, and Colonialism in Comparative Atlantic Contexts from the 18th Century to the Present

Ronald E. Doel, Florida State University, United States

Constituting the Arctic Environment: How U.S. Military Patronage after World War II influenced the Environmental Sciences in the Far North

Sverker Sörlin, Royal Institute of Technology, Sweden

Producing Arctic Climate Change: Hans Ahlmann's 'Polar Warming' Theory in the Field and in the Media, 1920 to 1960

Poster session

“History of Polar Exploration, Cooperation, Research and Logistics“

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Two additional poster sessions described various aspects of Arctic and Antarctic research. In the first poster session on Thursday, N. Pyrtsov (St. Petersburg State University, Russia) pointed his fingers on problems of development of polar tourism in the Yamalo-Nenets Autonomous District. Ron Doel (Florida State University, USA) told comparative international histories of the modern Arctic and gave insights from the European Science Foundation project BOREAS initiative “Colony, Empire, Environment” project. Karen Granqvist (Independent scholar, Sweden) asked Who produced scientific knowledge in looking at Axel Hamberg's Sarek research and his Sámi assistant Lars Nilsson Tuorda. Chris Southcott (Lakehead University, Canada) made a social impact assessment of Arctic science. Doel (Florida State University, USA) looked at field stations in the temperate and Arctic Seas and referring to pedagogy and practice in the physical environmental sciences.

In the second poster session, Terry Wade (Texas A&M University, USA) focussed on the human dimension of scientific research by analyzing the bioavailability of Contaminants in Winter Quarters Bay, McMurdo Station, Antarctica. Nina Wormbs (Royal Institute of Technology, Sweden) gave a history of emerging Arctic climate modelling. Svend Funder (University of Copenhagen, Denmark) asked whether migrations in the high Arctic is a question of sea ice? David Anderson (University of Tromso, Norway) introduced histories from the North investigated by a major interdisciplinary research programme of humanities within the European Science Foundation.

Access Antarctica



Issue 38

Gateway Antarctica: Centre for Antarctic Studies and Research

August 2010

Director's Report – Conference Fest

I am writing my Directors comments at the end of busy conference week for Gateway Antarctica. This year we had the pleasure of hosting the annual three-day New Zealand Antarctic conference at the University of Canterbury which turned out to be the biggest yet with over 190 participants. It was followed by the first ever two-day Symposium on Antarctic politics. The annual Antarctic conference is a unique event, in that it enables participants, without any parallel sessions, to be immersed in the multidisciplinary aspects of Antarctic research in New Zealand. It had a wonderful blend of oral and poster presentations together with an update by Antarctica New Zealand staff on current events and issues. This year the conference was boosted for the first time by some excellent key note presentations by Australian researchers.

The symposium on Antarctic politics brought me particular pleasure, in that it was the brain child of one of our recent graduates from our Post Graduate Certificate in Antarctic Studies, Dr Anne-Marie Brady, testifying to the success of this programme in developing a sustained interest in Antarctica by its graduates. Anne-Marie is an Associate Professor in Political Sciences at the University of Canterbury and part of the Gateway Antarctica research network. The Symposium was attended by Antarctic researchers from 6 different countries including China, USA, Australia, Sweden and Russia.

These two recent meetings are just part of a series of conferences that Gateway Antarctica researchers have been involved in recently. Our newsletter contains a report of our young researchers who attended the International Polar Year conference in Oslo in June. Others

attended and presented results at the Antarctic Visions conference in Hobart, which was the second in a series of workshops initiated by Gateway Antarctica staff in 2007. In fact, a US contributor emailed me after the Hobart meeting to comment that GA researchers were “taking over the World”. That may be a slight exaggeration, but it is great to see that we are making significant contributions globally.

To complete the picture, Karen Scott (School of Law), co convened a workshop in June at the Australian National University on Antarctic security issues, and I will be attending the SCAR Open Science conference in Buenos Aires in August as the New Zealand Delegate to SCAR and presenting some of our new and exciting results on the response of the Antarctic ice sheets to global change.

Professor Bryan Storey, *Director*

The Polar Journal

Gateway Antarctica is delighted to announce a new Polar Journal and congratulate its facilitator Professor Anne-Marie Brady on developing this new initiative

The Polar Journal is a new multi-disciplinary social science and humanities journal which welcomes papers on polar affairs from all the fields of the social sciences and humanities.

The main purpose of the journal is to develop a forum for the scholarly discussion of the polar issues from a social science and humanities perspective and to help a community of scholars working on polar issues.

In order to better develop the field of polar social sciences and humanities and build connections between scholars, each issue of the journal will either feature articles from different disciplines on polar affairs or feature a topical theme from a range of scholarly approaches. There will also be a section for publication of research which reflects current concerns.

PhD and Master students from Germany

Reinhard Drews, who worked on his MSc in satellite remote sensing at Gateway Antarctica in 2007, spent another 4 months at Gateway for his PhD project. Reinhard, who won the prestigious Bernd Rendel Prize from the German Research Foundation is now based at the Alfred Wegener Institute (AWI) in Germany.

Recent radar studies have shown irregular reflections in the ice, which may be related to the orientation of the ice crystals. The understanding of this observation has important implications for ice-sheet modeling.

The main goal of Reinhard's research stay was to find out, if irregular reflections observed by satellites is related to the phenomenon deep below the surface.

Niklas Neckel, also an AWI student, spent three months at Gateway, working on precise measurements of ice flow and elevation of the Antarctic ice sheet using interferometric satellite radar. Both students are jointly supervised by AWI and Gateway.

Research Exchange

Wolfgang Rack received \$10,730 from The Royal Society of New Zealand awarded in the New Zealand-Germany Bilateral Research Activities Programme for Science & Technology for 2010/11.

The travel grant will be used to initiate a new joint strategy with a German collaborator of the Alfred Wegener Institute (AWI) for Polar and Marine Research for the satellite based measurement of snow accumulation in Antarctica.

The German Research Foundation has also approved two research stays, over the next two years at Gateway Antarctica, by an AWI scientist.

New staff person

Gateway Antarctica is delighted to welcome Katrina Hall to the new combined Administrator /Project Management position. Katrina brings a lot of valuable experience from working for both MoRST and the Ministry of Education.

International Polar Year Conference in Oslo

8 - 12 June 2010



The International Polar Year (IPY) Oslo Science Conference was a great success in many ways. There were over 2,500 participants at this conference including five members of Gateway Antarctica, all of which participated with oral presentations or posters.

Ruth Guy is a Masters student at Gateway Antarctica and a qualified secondary school teacher passionate about the education and outreach of Antarctic Science. Ruth also participated in the Polar Teacher Conference that was held in conjunction with the IPY Conference in Oslo. She was the only teacher from New Zealand at the conference. Ruth presented a poster entitled: Incorporating Antarctic and Southern Ocean science into flexible learning options; an action based project.

Crystal Lenky is a PhD student in her final year at Gateway Antarctica and the Department of Chemistry and was part of the tutoring staff for The Post Graduate Certificate in Antarctic Studies (PCAS) in 2009. Her thesis is focused on the feeding habits employed by female Weddell seals during the lactation period, and how this relates to their breeding success and pup survival. Crystal gave an oral presentation on her work in the Polar ecosystems of the Southern Ocean session.

Daniela Liggett is a lecturer at Gateway Antarctica and has a PhD in Antarctic Studies. She has been involved in a number of education and outreach initiatives during the IPY. She is the Vice President of the Association of Early Career

Scientists (APECS) and is the current chair of the Antarctic Hub, a New Zealand IPY education and outreach group with the goal of increasing public awareness of Antarctica and the Southern Ocean amongst the New Zealand public. In this function she was involved in many activities before and during the conference. Daniela's presentation title was: Macroregulation or micromanagement? Stakeholder viewpoints on suitable policy responses to Antarctic tourism development.

Erin Neufeld is a second year PhD student at Gateway Antarctica where she is exploring the connection between New Zealanders and Antarctica. She was also part of the tutoring staff for the Post Graduate Certificate in Antarctic Studies (PCAS) in 2009 and was in charge of leading the environmental projects portion of the course. Erin gave an oral presentation on Human impacts in the Arctic and Antarctic: Environmental and management implications.

Ursula Rack is an Adjunct Fellow of Gateway Antarctica and a tutor in the History Department. She has a PhD in Social History on polar expeditions and is currently lecturing for the University of Canterbury Community Education Program. Ursula was a convener and chair of the sub-session 'History of polar exploration, cooperation, research and logistics' and gave an oral presentation on: Fritz Loewe from Germany to Australia.

The conference had a very big program with His Royal Highness Crown Prince Haakon of Norway

giving a speech during the opening ceremony. Many prominent scientists presented their work during the plenary sessions. There were sixteen concurrent sub-sessions each day, three poster sessions and many side events and business meetings into the evenings.

The presentation by the Sámi, the indigenous population of the northern Nordic countries and the Kola Peninsula was very informative. They presented their research and demonstrated the changes to their everyday lives due to climate change.

One of the highlights of the social program was a boat tour to Amundsen's house on 6th June. This was 100 years to the day that Amundsen left Norway in the *Fram*. Another event was the conference dinner held on the grounds of the "Fram-Museum" where we had the opportunity to visit the Museum and get a feel for polar exploration in the early days.

The conference was a great opportunity to meet people working in similar fields that would be difficult to connect with otherwise. The chance to listen to what other people are working on opens the mind and brings new connections to a better understanding of the Polar Regions.

Antarctic Scholarships

Congratulations to Kurt Joy, recipient of the Helicopters New Zealand Antarctic Doctoral Scholarship and to Tom Williams recipient of the Christchurch City Council Scholarship. Both Scholarships were awarded at the Annual Antarctic Conference hosted by the University of Canterbury 5 - 7 July. Kurt has completed two Antarctic field seasons on the history of the late Quaternary ice sheet from cosmogenic dating, whereas Tom's Masters Thesis research will be on mapping the wastewater plume from Scott Base and the potential impact of the waste water on the marine environment.

APECS-Workshop

6. - 7. June 2010

Prior to The International Polar Year (IPY) Oslo Conference Ursula Rack and Erin Neufeld attended the Association of Polar Early Career Scientists (APECS) Workshop. This was a series of very interactive and informative sessions that gave many views inside the "life after a PHD".

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