

CANADIAN OCEAN SCIENCE NEWSLETTER LE BULLETIN CANADIEN DES SCIENCES DE L'OCÉAN

Table of Contents, Newsletter Number 28, March 20, 2007 Table des matières, Bulletin numéro 28, 20 mars 2007

JOBS:

- [McGill University announces a new Fellowship for graduate study in the Department of Atmospheric and Oceanic Sciences](#)

OCEAN SCIENCE PROGRAMS

- [Ocean Tracking Network](#)
- [A milestone for two Canadian Argo floats](#)

PERSONNEL:

- No contributions

MEETINGS:

- No contributions

GENERAL:

- [Canadian Oceanographic Historical Photos](#)

[McGill University announces a new Fellowship for graduate study in the Department of Atmospheric and Oceanic Sciences](#)

The Stephen and Anastasia Mysak Graduate Fellowship was established in 2006 by Professor Lawrence A. Mysak in honour of his father, Stephen Mysak (born December 24, 1906), and in memory of his mother, Anastasia Mysak (1907-1978). The Fellowship's official launch came in a ceremony at McGill University, sponsored by the Dean of Science, and held at the Redpath Museum on 23 November, 2006. The Fellowship is to be awarded by the Graduate and Postdoctoral Studies Office upon recommendation of the Faculty of Science, to a full-time

graduate student in the Department of Atmospheric and Oceanic Sciences. The Fellowship will be awarded on the basis of academic excellence, with preference given to students pursuing research in one or more fields of air-sea interaction, oceanography or climate. The estimated value of this fellowship is \$15,000 per year, renewable once at the Master's level, and twice at the Doctoral level.

It is expected that the first recipient will be selected for the semester beginning in September 2007.

For further information concerning Graduate Admissions in the Department of Atmospheric and Oceanic Sciences, please contact the Department directly via email at graduateinfo.aos@mcgill.ca, by phone at 514-398-3764, or consult the departmental website at www.mcgill.ca/meteo

Ocean Tracking Network

The Ocean Tracking Network, headquartered at Dalhousie University and led by Dr. Ron O'Dor, will undertake a comprehensive examination of marine life and ocean conditions, and how they are changing as the earth warms. This research is enabled by the largest federal government university research award in Dalhousie — and Atlantic Canadian — history: a \$35-million investment by the Canada Foundation for Innovation (CFI); supplemented by an additional \$10 million from the Natural Sciences and Engineering Research Council of Canada (NSERC); and \$327,000 from the Social Sciences and Humanities Research Council of Canada (SSHRC). This investment will leverage in excess of \$100 million of in kind and financial contributions from partners world-wide.

A global monitoring system will track the movement and behaviour of diverse marine species — salmon to turtles to whales. The network will establish 'listening curtains,' comprised of innovative Canadian-made tracking technology, in 14 ocean regions covering the entire planet. The network's technological capacity will be provided by private sector companies, like AMIRIX Systems Inc., Lotek Wireless Inc., Satlantic Inc. and Kintama Research Corp. The network will enable the world's best minds in marine science and management to collaborate among research institutions located in Canada, the United States, Argentina, Bermuda, Spain, South Africa, Japan, Australia, and elsewhere.

Canadian involved scientists at Dalhousie include Ron O'Dor (Lead), Jeff Hutchings, Sara Iverson, Marlon Lewis, Ransom Myers, Mike Stokesbury, Keith Thompson and David VanderZwaag. For more information: www.otn.dal.ca

A milestone for two Canadian Argo floats

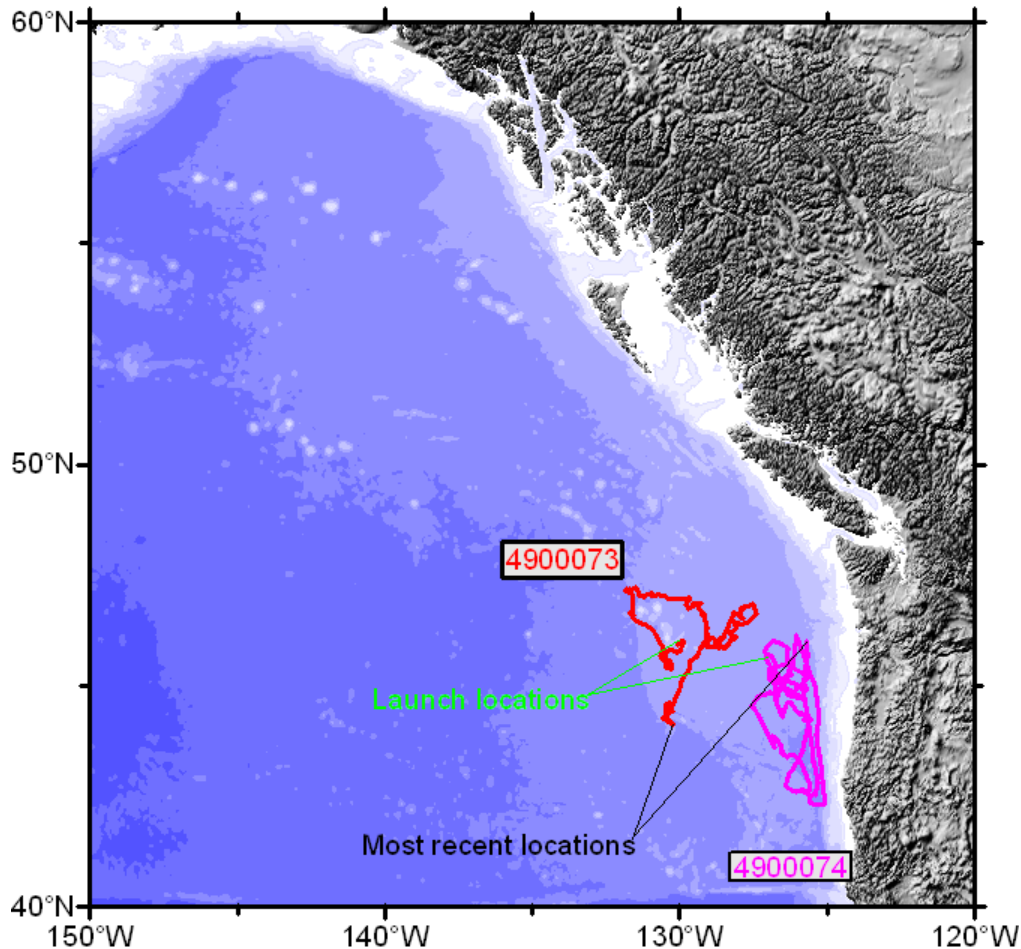
Report by Howard Freeland (FreelandHj@pac.dfo-mpo.gc.ca) and Anh Tran

On the 14th and 15th February two Canadian Argo floats transmitted perfect profiles of T and S versus pressure, these are available through the Global Argo Data Centres. So what is so special about that? The floats are known by their WMO numbers 4900073 and 4900074 and each delivered their 183rd profile. Sampling at 10-day intervals that works out as 1830 days of continuous operation, and $1830/365 = 5.01$ years, so happy birthday to each of these floats, 5 years of continuous operation for each one.

A map accompanies this note showing the trajectories of each of these floats, as you will see, neither of them went very far or very fast. Indeed, taking the starting and most recent positions 4900073 and 4900074 have showed an average velocity of 0.11 cm/s and 0.08 cm/s respectively. Perhaps we have discovered the key to longevity, a quiet and uneventful lifetime.

For each of them the battery voltage started around 14v, 4900073 is down to 8.5 volts. It is a small miracle that it managed to complete the last profile and cannot survive many more weeks. However, the voltage at 4900074 remains rather high at about 11.4v and appears to have a lot more profiles to deliver.

About the same time I sent an email to my Canadian Argo mailing list announcing the discovery of a significant problem with a class of floats. I can supply further information to anyone who needs to know more, but strongly recommend that if you read Argo data files, then note the instrument type. If the instrument type is listed as SOLO_FSI then do not use the data until further notice. It appears that a software error is causing the mis-assignment of pressure values to temperature and salinity pairs. I now have an update on the problem. The Argo Executive has been assured by the Principal Investigator at Woods Hole Oceanographic Institution that the source of the error has been found and that in most cases it will be possible to correct the data files. I have seen a "guess" that the erroneous files will be replaced by the end of March, but I don't think the basis for that estimate comes from a reliable source. I will send a message to my Canadian Argo mailing list when the float profiles have been corrected.



Canadian Oceanographic Historical Photos

In 2005 the Canadian National Committee for SCOR www.cnescor.ca initiated a project to establish an on-line archive of Canadian oceanographic photographs. There are presently 47 photos in the archive. In the main, submissions have been scanned photos sent by email. In a few instances some providers did not have such capabilities; in these cases arrangements were made for to a third party for scanning and submission to the archive. The host site has been established through the efforts of CMOS at http://www_cmos.ca/Oceanphotos/photoindex.html. A dedicated search engine is on the site to enable readers to locate individuals in the archive. A parallel effort for Canadian meteorological photos may be found at: <http://cmos.ca/Metphotos/photoindex.html>

Photos are meant be reasonably clear to be able to identify individuals in the photo, and have a caption that would explain the event (a cruise, conference, university faculty, etc.), a date (year) of the event, and an organized list of (many) of those in the photo. Obviously we are looking for Canadian content, but international content would also be useful if there were several Canadian oceanographic participants. Realizing the significance of "ships" to oceanographic effort we have also tried to obtain photos of Canadian oceanographic vessels as well as photos of people. The principle criteria is have a good clear input photo. JPEG is the preferred format.

If you are able to help out, it would be appreciated if you could send a few scanned photos to Dick Stoddart (dick.stoddart@sympatico.ca) at your convenience. If you have better quality (clearer) photos that could replace some of the more blurry photos in the existing archive that would help the archive greatly. Check your shoeboxes and see if you could supply one or more. To spur your appetite to supply some photos, the following are a few representative photos from the current archive.



Baffin Cruise to the Gulf Stream Extension Region East of the Grand Banks of Newfoundland - 1964

Back row (left to right): Allyn Clarke, Gerry MacDonald, David Fisher, Iver Pagden.
Middle row: Charlie Ross, Wilf Young, Ed Batoosingh, Ray Hiltz, Al Grant, Elmer Lewis, W. Pearce?
Front Row: Larry Murdoch, Ship's Doctor, Ced Mann, Capt. Brick, Tom Foote



Pacific Oceanographic Group - 1950s

Back row (l to r): Bert Bennett, Harry Hollister, Terry Terhune.
 Third row: Margaret Smith, Dick Herlinveaux, Bev Berisford.
 Second row: Laurie McCracken, Al Stickland, Fred Barber.
 Front row: John P. Tully, Al Dodimead, Art Groll, Sus Tabata.



**1984: On the Occasion of the Dedication of the Oceanographic/hydrographic vessel CSS
 John P. Tully**
 Sus Tabata, Bill Cameron, Neil Campbell, Pat Naismith, Paul LeBlond, George Pickard.



At the North Pole with Louis S. St. Laurent - August 1994

top row (l to r): Doug Sieberg, Louise Adamson, Eddy Carmack, Fiona McLaughlin, Rick Pearson, Rob Macdonald.

Kneeling: Dave Paton, Darren Tuele, Janet Barwell-Clarke.



Mike Eaton Receives the Order of Canada - 2004

Back row (left to right): Isaac Ginsburg, Eric Schening, Bernie Pelletier.

Middle row: Tim Evangelatos, Steve MacPhee.

Front row: Art Collin, Mike Eaton, Savi Narayanan, Ross Douglas.



Veteran Oceanographers at 2005 CMOS Congress
Back row (left to right): George Pickard, Neil Campbell, Allyn Clarke.
Front row (both sitting): Tim Parsons, CS Wong

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Previous newsletters may be found on the CNC/SCOR web site.
Les bulletins antérieurs se retrouvent sur le site web du CNC/SCOR.

Newsletter #29 will be distributed on May 15, 2007. Please send contributions to dick.stoddart@sympatico.ca
Bulletin #29 sera distribué le 15 mai 2007. Veuillez faire parvenir vos contributions à dick.stoddart@sympatico.ca

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