



# BIO-OCEANS ASSOCIATION NEWSLETTER

Issue 21, October 2003

On the web at: <http://www.bedfordbasin.ca/>

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Below are the BIO-OA 'cruisers' of the summer sea watch, 24 July 2003, at the Cable Wharf, Halifax, Nova Scotia—see story on page 9. (Photo by Michael Cooke.)





## PRESIDENT'S NOTE:

### "Inspirations for the Coming Winter and Spring"

*By David Nettleship*

Summer and September 2003 have passed. And what a summer and early fall we have had! Apart from the variable summer weather and our associated OA social activities such as the Halifax Harbour Cruise (July), the Summer Barbeque by the Sea (August), and Portobello Ruins Tour (September), all delightful events, we ended the period with the unexpected landfall of Hurricane Juan at midnight, 28 September. Although it was wild watching the wind and waves and high tides build over a 3-hour period, with waves changing quickly from two, to three to five metres and more, the ensuing disaster that took lives and wreaked so much damage in and around HRM came as a surprise. What was considered at first only another routine fall storm, one of many that frequents our shores, quickly became a force to be reckoned with, winds that toppled mature 100-year-old trees and power poles like matchsticks and sea surges that lifted boats, throwing them ashore, and removed wharves. Juan left her mark, a visible path of destruction on land, and a sense of incalculable losses in coastal communities. The last days of September and the first ten days of October were limited to repair and recovery. But now as we re-assemble, perhaps with a better understanding of the maritime world around us, we can turn our attention towards the coming year and winter months ahead with a new-found-zeal for further challenges.

Normally, at this time each year with the pleasures of the warm summer behind us, the officers and directors of BIO-OA need to think about what was accomplished the last year and what to direct our energies towards for the coming year, items to inspire and excite the general membership. However, the planning for the upcoming months between now and Christmas, and on into winter and spring is well known and almost complete. The major advancements made during winter and spring this

year set the stage for future developments. Committees and working groups are already buzzing with the chatter of excited participants as goals identified earlier seem now to be attainable following the guidelines produced. As I write this, work is continuing by OA volunteers on many fronts, from the "ins and outs" of operating the archival initiatives and the further enhancements of our newsletter and website, to the social activities venue including the teaching of oceanography to both the general public and ourselves. Our success depends on enthusiastic and dedicated members who volunteer time to assist on work projects and to promote our OA ideals and objectives.

Examples of opportunity to participate abound. The Library Archives project continues to move forward, albeit slowly, under direction of the newly formulated BIO library archives policy. Priorities for the acquisition of important materials (from both internal and external sources), processing, and storage along with long-term requirements are being formulated. Similar advancements have been made with the Equipment/Artifacts Archives program, with procedures for collection and theme development well advanced along with comprehensive discussions of display and curatorship possibilities. And the Photography Archives project is about to receive a major 'jump-start' forward, via an effort underway by members of the current working group. Of course, work continues on the OA Newsletter and the Social Activities program. However, more help is needed to make all these projects a success, so if you have a desire to help in any capacity – from sorting, cataloguing, writing, proof-reading, to having some good ideas -- please contact Chairs Bosko Loncarevic (Library), Charles Schafer (Equipment/Artifacts), Mike Latrémouille (Photography & the OA Newsletter), and Jackie Dale (Social Activities). Your offer to contribute will be received enthusiastically and warmly.

In closing, I congratulate all the executive members and volunteers who have worked long and hard throughout the last year bringing BIO-OA forward to its present position, focused with worthwhile objectives that can be attained. Our beloved Oceans Association would not exist without the dedication of its volunteers, and it's heartening to see more BIO current staff and past workers joining the BIO-OA and getting involved. But now, take a break from the demanding deliberations of ongoing projects and where you may fit in, and immerse yourself in the joys of this issue of the BIO-OA Newsletter and all its projected treats including the upcoming annual fall "wine and cheese" celebration at BIO with guest speaker Gordon Fader! And don't forget to visit our website at: [www.bedfordbasin.ca](http://www.bedfordbasin.ca).



## 40th Anniversary Edition of BIO Review Available Soon

By Michael Latremouille

Members might want to obtain their own copy of a new BIO publication that both celebrates and reflects on the 40th anniversary of BIO's 1962 founding. The publication will be available for distribution in both English and French versions by mid-November. To obtain your copy, write to Ms. Dianne Geddes, The Editor, BIO 2002 in Review, Bedford Institute of Oceanography, P.O. Box 1006, Dartmouth N.S. B2Y 4A2 or request a copy from her by electronic mail at [geddesd@mar.dfo-mpo.gc.ca](mailto:geddesd@mar.dfo-mpo.gc.ca).

The first half of this 108-page, magazine-style publication is perhaps of greatest interest to our members. It provides a series of retrospective articles on BIO's first 40 years that includes the following:  
A short history of the Bedford Institute of Oceanography by Brian Nicholls

Geoscience at BIO: The first forty years by Gordon Fader and Graham Williams

Ocean Sciences – Looking back at 40 years by Allyn Clarke, John Lazier, Brian Petrie, Trevor Platt, Peter Smith, and Jim Elliott

Marine Environmental Research at BIO - A Brief History by Don Gordon, Barry Hargrave, Paul Keizer, Ken Lee, and Phil Yeats

Research in Support of Fisheries (1961-2002) by Michael Sinclair, Wayne Stobo, René Lavoie, Bob O'Boyle, and Larry Marshall

The Canadian Hydrographic Service at BIO by Gary Rockwell, Steve Grant, and Bob Burke

History of Instrumentation at BIO by Allyn Clarke, Dave Heffler, Donald Belliveau, and Timothy Milligan

Celebrating our women scientists – Stories of three builders of BIO by Charlotte Keen, Sherry Niven, Tim Milligan, and Rebecca Jamieson

CCGS Hudson – A snapshot of historical firsts by Captain Richard Smith

Hudson '70 Revisited by George Fowler

An introductory section that precedes the historical articles above dedicates the publication "to the four Bills" who had a major hand in founding and establishing BIO, namely Bills van Steenburgh, Cameron, English, and Ford. The Dedication details their contributions as summarized by Bosko Loncarevic in his opening address for the special 40th anniversary symposium held at BIO in October 2002. In a later section, Blair Greenan and Charles Hannah give a brief

and interesting review of the BIO Seminar Series and of this anniversary symposium, whose theme was "Future Challenges for Marine Sciences in Canada".

The 2nd half of *BIO 2002 in Review* reports on some of the current science and survey projects now underway and also on educational outreach, community assistance, gender equity, as well as administrative and other projects that are being done. Our own President, David Nettleship, has contributed a two-page article on the history and accomplishments to date of the BIO-Oceans Association.

The publication provides a rather thorough staff list and, interestingly, a list and brief appreciation of the individuals who retired in 2002 as well as an appreciation in memory of George Needler, who passed away in June of that year.

The closing section is, fittingly, a 19-page listing of the "publications and products" of BIO staff during 2002, tangible evidence of the notable contributions that continue to be made to science and society by the now middle-aged BIO.

## MEMBERSHIP DEVELOPMENT INITIATIVES

By Bob Cook

At the June 19, 2003 meeting of the BIO-OA Executive Committee, the President proposed the establishment of an ad hoc working group to review the social mix and interests of the BIO-OA membership and to recommend ways that the BIO-OA can develop and grow. The overall aim would be to provide a data base and assessment of the needs, interests and expectations of the membership. This information should prove useful in determining ways to improve member participation and involvement in BIO-OA activities. Bob Cook agreed to chair the working group.

The first meeting of the working group was held on July 3, 2003 at the BIO Cafeteria. Bob Cook, David Nettleship, Betty Anderson, and Don Peer were in attendance. The objective of this organizational meeting was to define the terms of reference for the working group and to develop a work plan. A brief synopsis of the actions arising from this meeting is presented below.

### TERMS OF REFERENCE:

*Objective:* Develop an information base on the current membership to be used for the planning of BIO-OA

activities and programs and to develop a strategy for membership participation and growth.

*Membership:* Bob Cook, Chair, David Nettleship, Betty Anderson, Don Peer, and Bob Reiniger.

*Reporting and Duration:* The working group will develop an information base on current membership, and consider future opportunities. This information will be used to provide strategic advice in a report to the BIO-OA Executive Committee. The working group will be dissolved upon the acceptance of this report.

#### PLAN OF ACTION:

The immediate requirement is to develop an information base on the current membership of approximately 165 members. A spreadsheet format would be used (Excel).

The primary information would include: employee name, name of spouse/partner, home address, telephone/email contacts, present status (e.g. retired, emeritus, working), organizational affiliation (e.g. Department, Branch, Section), occupation/work experience, date joined BIO-OA. Once this is completed, a secondary database will be developed, based on discussions with each member, and include specific hobbies, interests, or skills they have and might wish to share within the BIO-OA program. These interviews would also explore their area(s) of interest in BIO-OA and potential involvement in the organization, such as hosting, coordinating, or helping at a social function, speaking to the group on a hobby or interest, working on an archive project, at the gift shop, helping with the newsletter, or serving on the Executive, etc.

To ensure all members are aware of BIO-OA activities, especially new members who have just joined the BIO-OA, the working group will be considering a plan that would involve each member of the Executive to keep in regular touch with a given list of members, particularly those who live in the HRM area and surrounding area and could readily participate in the social or project activities. This initiative would provide improved communications, on a personal basis, within the organization as well as provide important feedback to the Executive for planning.

Betty Anderson provided Bob Cook with the current BIO-OA membership information. Bob Cook agreed to develop the spreadsheet format for the primary and secondary membership databases for discussion at the next working group meeting. This meeting will be at the call of the working group chair, tentatively in November 2003.

## MEMBERSHIP REPORT

*By Betty Anderson*

Our membership now totals 170, including 21 who have not renewed and four deceased members who were prepaid [Andy Atkinson, Lewis King, Russ Melanson, and Hans Neu]. For the 21 late renewals, a reminder insert has been enclosed with your copy of the newsletter. We hope you will take the time to renew. Please make cheques payable to the "BIO-Oceans Association" and mail to Betty Anderson, 79 Flamingo Drive, Halifax, N.S. B3M 1T2. Memberships are \$5 per year, \$25 for 5 years, and \$100 for lifetime memberships.

We are pleased to welcome new members André Ducharme [telephone no. 902-792-1757] and Andrew Safer [telephone no. 902-422-8476]. Please amend the membership list you received with the July issue (#20) to reflect new telephone numbers for Carl Amos in England [011-44-1794-518679], Stu Dunbrack in Nova Scotia [902-681-0053], and Willem van der Linden in The Netherlands [31.30-6910560].

To date we have collected \$4,313.96 in dues for memberships effective from 1998 through 2004 and a further \$2,130.00 from members prepaid for longer terms for a total of \$6,443.06 in dues income.

## A WALK ON THE WAVERLEY SIDE

*By Jackie Dale and Michael Latremouille*

On the sunny morning of Wednesday, September 24th, our guide Charles Schafer was waiting to show us where to park safely along the Waverley Road for a walk along part of the Shubenacadie Canal. We entered along an easy-to-miss forest path to view the Portobello inclined plane between Lake Charles to the south and Lake Thomas and the Town of Waverley to the north. Charles also provided informal commentary for our outing. The Shubenacadie Canal builders initially built 5 granite locks, a dam, and channels at Portobello to bypass the rapids there, but, in the 1856-1860 period, these were replaced by an inclined plane powered by a water-driven turbine. The south-north slope of this plane and some remnants of the rock walls exist today and serve as a path for walkers and a portage for paddlers. [Following Hurricane Juan, many older trees were blown down across the canal and path but, thanks to the great and prompt work of the cleanup crews, most of the trees have now been cleared and the path is once again usable.]

Our next stop was the Waverley Heritage Museum located in what was originally the St. John the Baptist Anglican Church. This museum has many interesting artifacts from Waverley's history including a lot of gold mining equipment such as a working model of a gold ore crusher and mercury amalgam extractor. Curator Annie (Blois) Smith gave us a short but interesting tour of the museum complete with personal stories of her grandfather Cornelius Blois's pivotal role in Waverley's long mining history as one of the first three men to discover gold there in 1861. The tiny museum moved to its current premises in 1991: it is open daily during July and August and can also be viewed throughout the year by prior appointment. During the months of July and August, the museum also serves tea and cookies every

Friday afternoon (2:00-4:00pm).

We completed the day's outing with a short walk along one of the trails in the Charles L. MacDonald Sportspark located off the Cobequid Road. The group of us ate our bagged lunches at a picnic table overlooking Lake Thomas while Charles told us about how the park came into being, about plans now underway to build new sporting facilities nearby over the next few years, and about other matters. All in all, this half-day outing was an ideal way to enjoy the early fall weather. Our thanks to Charlie Schafer for not only suggesting this particular event but for organizing it as well.

(Also see the photo on page 13.)

## FINANCIAL REPORT—OCTOBER 6, 2003

PERIOD: 1998-2004

By Betty Anderson

### OPERATING FUND

Membership Fees	\$6,443.96
Socials:	173.14
Bank interest:	435.44
Total Income:	7,052.54
Less: Expenses:	<u>1,722.26</u>
	5,330.28

One Business Account with ING Direct covering 8 deposits commencing at 3.85%, now 2.5%	\$4,925.00	
Interest	<u>212.68</u>	<u>5,137.68</u>

CASH IN BANK:	<u>\$192.60</u>
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### FOUNDATION FUND

Donations:	\$5,849.15
Transfers: from Socials, Operating Fund, May/02 & May/03—	
Lunches	224.34
Bank Interest:	<u>0.54</u>
	6,074.03

Expenditures:	
Beluga Award:	5,809.35
Bank Charges and Cheques:	26.72
Lunches:	
Beluga Award	
2002	94.39
2003	<u>129.95</u>
	6,060.41

CASH IN BANK:	<u>\$13.62</u>
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## OBITUARY

"Hans" Johann Adam Neu, died on August 28, 2003, at the age of 84. From 1967 until his retirement in 1984, Hans pursued wave climate and coastal oceanographic studies at BIO. He is survived by his wife Erika, sons Dieter and Bernd, and their families



## THE HALIFAX HARBOUR SUMMER CRUISE: FUN & FORKS IN THE ROAD!

by David Nettleship, Event Coordinator

The 'word' was out, "AHOY all BIO-OA people and friends! Come along and join us on board MV *Four Winds* at the Cable Wharf (1749 Lower Water Street, Halifax, NS) on Thursday, 24 July 2003 for a grand marine cruise out to Chebucto Head to view marine life". And "Yes", the people came. Despite uncertainties of weather – overcast with fog in the morning with an afternoon forecast of a chance of light rain showers and moderate winds – 28 adventurers appeared, undaunted and ready to cruise! Following a brief consultation with Captain Richard Foote, skipper of our charter vessel, the 45-foot, coast guard approved, longliner "*Four Winds*", who reported high winds and rough seas off Chebucto Head at the mouth of Halifax Harbour, the intended route was modified to provide a more comfortable voyage. So, instead of aiming out to the Head, we elected to spend a bit more time in the inner reaches of the Harbour, then past Georges Island to McNabs and southwest along the coast to Fergusons Cove and beyond as far as sea conditions and time allowed, followed then by an excursion in and around The Northwest Arm. Once everyone was aboard and introductory information given on safety procedures and principal features of the route to be taken, lines were released and off we went for a two and a half hour marine cruise of Halifax Harbour and environs. And what a splendid cruise it was.

Soon after our departure at 1400 hours, the clouds parted to reveal a gorgeous blue sky and sun, with an air temperature in the low 20s and little or no wind. The view of the city from the water was spectacular. The profile of downtown high-rises and the backdrop of Citadel Hill was captivating in the sunlight, as was the surrounding scene of other boats on the water – the ketch '*Mar II*' under nearly full sail, the 3-masted workboat '*Silva*', along with small sailboats -- or those tied up along the piers such as the tourist super-cruiser '*Carnival Victory*' and our own little '*Theodore Tugboat*'. But this was just the beginning of what was to be a relaxed and beautiful summer afternoon of boating and basking in the warm sun. The forecast of mixed sun and cloud with the possibility of light rain was revised quickly to scattered clouds and no rain. Hallelujah!

Within a few minutes of our departure, three Minke Whales were sighted between Georges and McNabs islands. And what a display they provided. Apparently un-

perturbed by the presence of a few small craft in the vicinity, they continued on their way, maintaining a fairly constant and slow swimming speed accompanied with occasional dives. '*Four Winds*' remained in the general vicinity of where the whales were feeding, likely on schools of small fish, for some 20 minutes allowing us a grand opportunity to watch these whales go about their business. By 1450 hours we were approaching Fergusons Cove with a number of sailing enthusiasts in nearby waters racing downwind towards the Northwest Arm on small dinghies, Lasers and Laser II's, likely junior sailors from the local Armdale and Royal Nova Scotia Yacht clubs. Outside the inner harbour, the winds were light to moderate, but 'short-sleeve' shirt warm weather. A short time later, off Herring Cove, we came about owing to the shortage of time and began the return leg of the tour. At 1515 hours we entered the Northwest Arm, a residential and recreational area, that is a favourite place for boaters and dreamers, definitely a secure anchorage in pleasant surroundings.

Marine life was abundant at the mouth of the Arm. Apart from the Double-crested Cormorants, Herring and Black-backed Gulls, there were Common Terns hovering and diving, taking small fish near the sea surface, along with several Harbour Seals and two or three Harbour Porpoises. Once in the Arm, we viewed the 'palaces' of the Halifax 'riche' with their private docks and luxury yachts on the east side and the Royal Nova Scotia Yacht Squadron on the western shore. Sightings of birds and seals continued, but soon we passed the Dingle Tower and on up towards the head of the Arm where the Armdale Yacht Club is located. The views were magnificent and restful as we made our way back out of the Arm at 1550 hours. We bade farewell to the Arm and Point Pleasant Park, and to the large numbers of gulls clustered about Black Rock. Almost immediately, another Minke Whale and three porpoises greeted us, with a second Minke viewed off towards Fergusons Cove. The tour was nearing its end, as we journeyed north to the city. At 1605 hours, warm on the upper deck in a light breeze, we watched two harbour tugs struggling to turn a large oil tanker, '*Portel*', with stern lines attached, away from the eastern shore. Quickly, we were reminded of the immense volume of commercial boat traffic that shares Halifax Harbour and its inner approaches with the marine wildlife around us.

At 1630 hours, '*Four Winds*' was back at the Halifax Cable Wharf. Smiles were everywhere, all of us recapping the highlights of the trip and wishing for more! We thanked the skipper and crew for a rewarding and enjoyable time, disembarked, and gathered on the wharf above '*Four Winds*' for a group picture. Mission accomplished!

## **BIO in the News:**

### **BIO TO GET \$25 MILLION MAKE-OVER; FEDS HINT AT OTHER PLANS**

*By Bill Power (Reprinted from The Mail Star and The Chronicle Herald of September 9, 2003)*

Ottawa has announced \$25 million in improvements to the Bedford Institute of Oceanography site in Dartmouth.

Upgrades announced Monday include a new \$19-million laboratory building; expected to be up and running by 2006.

And plans to construct a second building beside the BIO property by 2008 would involve a commitment of up to \$80 million, Fisheries and Oceans Minister Robert Thibault told reporters after the announcement.

Three major changes will occur: removal of Environment Canada facilities at Queen Square on Alderney Drive, relocation of DFO's regional headquarters, now at the Marine House complex on Portland Street and shut-down of the Canadian Coast Guard base in Woodside.

"Over and above any cost savings, co-location is particularly attractive for DFO and Environment Canada, given the closely linked mandates of these two departments," Mr. Thibault said in notes for his speech at the announcement.

About 1,600 square metres of laboratory space in the new facility will replace labs in three existing buildings at the BIO site.

It is expected that chemical and biological storage and freezer areas now located throughout the BIO complex will be moved to the new lab.

About \$6.7 million worth of exterior and interior renovations to the Vulcan Building at the BIO site were also announced.

The renovated space will house Coast Guard workshops for welding, machining, engine and instrument repairs, carpentry and other services.

Renovations to the Vulcan Building are expected to get underway in the fall and take about two years to complete.

Mr. Thibault said the plan is to ensure that by 2010 fa-

cilities like BIO will help Canada rank among the top 5 countries in the world in scientific research and development.

"Reaching this goal requires - among other things - investments in new facilities and equipment to keep pace with rapidly changing technology and scientific standards," he said.

Many of BIO's facilities date back to its opening in 1962.

## **SHORT TAKES**

Mark your calendars for our Association's **2003 Wine and Cheese Party**: it will be held in the BIO auditorium on **Wednesday November 26th** beginning at 7:00 p.m. **GORDON FADER is our guest speaker** this year thanks to the persuasive skills of Don Peer. Gordon is a regional marine geologist with the GSC Atlantic who is well known for his geology, his always interesting media interviews and lectures, and his piano playing. After the talk, everyone will get the chance to mingle in a relaxed environment while enjoying a selection of wines and light beverages, cheeses, and of course some sinfully delicious desserts. This event is always one of our most popular activities so don't take any chances...reserve that date now!

The annual **BIO Christmas Party**, to which we are always invited, will be held **Wednesday, December 24**. This is always a great chance to meet with old friends and colleagues, and to extend holiday greetings. Hope to see you there!

**Keep your CV handy!** During the course of our careers, most of us have had to complete CVs (Resumes). BIO Archives has decided to add such documents to our permanent collection. The guidelines for the presentation of these CVs are now in draft stage. For further information, please contact Marilyn Rudy at the Library or Bosko Loncarevic at [infocd@cd-books.com](mailto:infocd@cd-books.com).

**Wagner Family Reunites:** Member Capt. Earle Wagner writes to say: "maybe some members would be interested in what retired sailors do in their retirement!" He is referring to the family reunion he helped organize for July 12 of this year at the Wandlyn Inn in Bridgewater. There, nearly 100 Wagner descendants of Johann Heinrich Wagner (1725-1800), a founding father of Lunenburg, gathered to celebrate their heritage. Descendants from Oregon, Florida, Massachusetts, Ontario, PEI, and of course Nova Scotia attended. A video produced by Barry Wagner was shown: it documents the



250-year history of the original settlers including "the local industries, architecture, cemeteries, cuisine, superstitions and the unique Lunenburgers' vocal expressions."

On September 29th, **Hurricane Juan** came ashore in Nova Scotia as a Category 2 hurricane. It is now well documented as one of the most damaging storms in the modern history of Halifax. The eastern eyewall—where the worst winds occurred—caused extensive damage to Halifax and its waterfront. At BIO, the buildings suffered no serious damage but several power lines and poles across Challenger Drive were felled. The subsequent power outage **forced the closure of the BIO complex for 8 days**. It was the first time in its 41 year-history that weather closed the Institute for more than a few days.

## CRUISING THE SOUTH OF FRANCE — A FIRST REPORT

*By Bosko Loncarevic*

During the first two weeks of September, eight BIO-OA members (plus two other couples) chartered two 12m long boats for a 170 km long exploration of the Canal du Midi, in southern France. We sailed from Castelnau-dary (halfway between Toulouse and Carcassonne) to Agde (near the Mediterranean) through 63 locks for a vertical drop of 171.04 m. (Yes, the French are very precise). While underway, we averaged about 5 km/h which left us with 5.5 days for sightseeing and side trips.

Lasting memories include: the hours together in tight quarters; running the boat; handling the ropes through the locks; sharing the meals around the lounge table; evening snacks on the sun deck. Languedoc province, through which the canal passes, is loaded with history which was before us at every step: Carcassonne, with its restored medieval fortress; Albi with its fortress-cathedral (and a large collection of Toulouse Lautrec drawings); Montsegur, last bastion of Cathar resistance; Beziers where the 1209 massacre set a standard of cruelty seldom surpassed; Narbonne; and many other places in between.

Day-to-day events of the expedition and some photos are on the BIO-OA web site. A fuller account of our expedition is in preparation for the January newsletter.

## This Year's Summer BBQ— A Delightful Experience

*By Michael Latremouille and Jackie Dale*

Tasty foods, summer conversations with friends, soaking up the ambiance along St. Margaret's Bay on a warm summer afternoon...it doesn't get much better than that!

Our hosts for this year's annual barbecue on August 21<sup>st</sup> were Angela and David Nettleship, whose beautiful home at 21 Tidewater Lane at the head of St. Margaret's Bay was perfect for the event (... even the numerology was working for us).

About 30 of us gathered in the back yard to barbecue our main courses and to sample the many salads and desserts that everyone brought. Bob and Heather Cook brought along their well trained soft-coated Wheaten Terrier, Mulligan, and compared notes on dog training and personality with animal behaviourist Vivien Srivastava and her husband Shiri. Gillian first, then Jim Elliott boldly went where the rest of us dared not go...out for a swim in the cool waters of the Bay in and around the Nettleship's 31-foot Hughes Columbia sloop, the S.V. *Tolerance*. The afternoon also afforded a good opportunity to meet interesting guests like Michael and Bonnie Cooke, friends and neighbours of the Nettleships. Clive Mason put his digital camera to good use photographing us scarfing our food down and otherwise acting relaxed: you can see a good number of his photos if you visit the "Photo Albums" part of our web site. Other members at the picnic also took pictures such as Jackie Dale and they would be happy to share these with anyone who cares to see them

All in all, it was a lovely way to pass the afternoon. Our sincere thanks to Angela and David for their hospitality, and for making us so very welcome.

(See also the photos on page 13.)

## Installment 4: From the Archives ... 35 years ago

*[These Highlights are excerpted from BI World Newsletter, published between 1967 and 1972. Complete versions are posted on our web site.]*

{Aug. 8, 1968, Vol. 2, No. 7} On July 23 the Bedford Institute was a host to a party of about 40 scientists from Russian Research Ship MIKHAIL LOMONOSOV...B.I. Staff picnic at Porters Lake Provincial Park on August



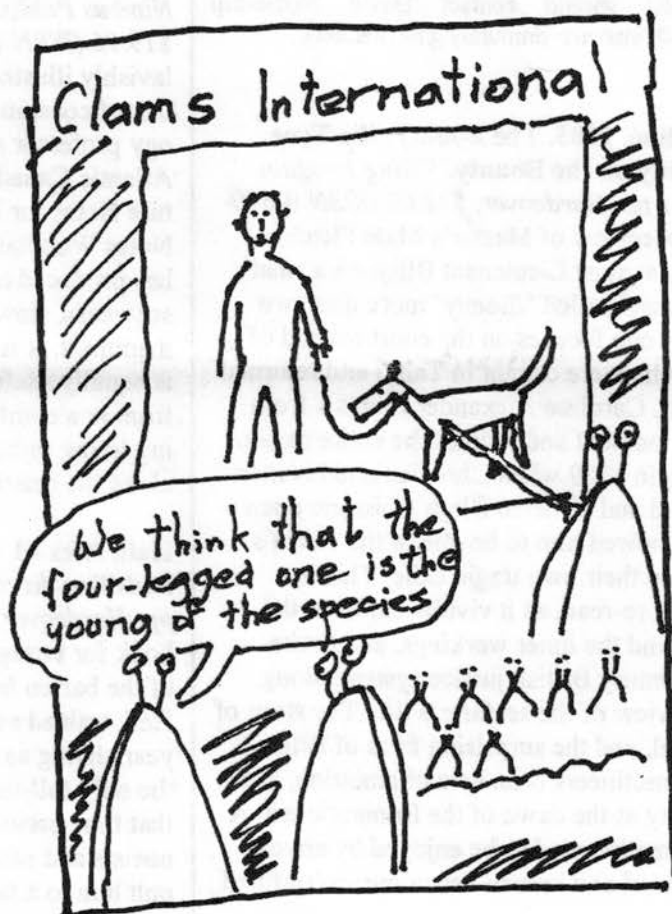
14 ...A long "Cruise Note #8" from CSS HUDSON on Mid-Atlantic Ridge. ("Dr. C. D. Maunsell spent much of his time doing satellite navigation computations on the PDP-8/S computer loaned by the Mines Branch.") ... Metrology V-fin Fish finder is surplus to their requirements. Anyone interested contact Dr. Mason ... Applied Oceanography, under Drs Trites. and Sameoto on CSS DAWSON in the Gulf of St Lawrence employed the first commercial version of the STD recorder developed by Dr. Dauphinee at NRC and constructed by Guildline instruments Co. ... 6 Internal Notes, 2 Computer Notes, 3 Data Reports and 3 AOL manuscripts listed ... Five "Blessed Events" occurred in the Depot - Scamper Tramp produced five kittens who have been the centre of attention of most of the staff ... Paul Sutherland joined as Personnel Administrator of AOL ... New "Daddies" include F. Muise, G. Drapeau, C.Quon and I. Phyo.

{Sept. 27, 1968, Vol. 2, No. 8} Visit of the Governor General. He will meet a cross-section of the staff and see at first hand how the modern ship and shore facilities of the institute are being used ... Earth Science Study

Group (Geophysical Exploration Subcommittee of NRC). Seminar at BIO including a one day demonstration cruise on HUDSON ... Carolyn Schofield, Dr. Ford's former secretary, sent a long report on her extensive wanderings around Europe ... Wind stress measurements on the Stable Platform off Chebucto Head ... Another "Cruise Note" from 45 North Geotraverse ... John Lazier left for England for a study leave ... SACKVILLE completed a refit and modernization program ... S.J. Jones and L.P. Murdock left BIO.

{Dec. 6, 1968, Vol. 2, No. 9} A committee has been formed to foster seminar presentations within the B.I. ... Dave Wells returned from three weeks on the northern coast of Greenland with ITT Satellite Navigation receiver ... Ross Douglas returned from a three week visit to the Finish, Swedish, Dutch, German and British Hydrographic establishments ... Roger Belanger made two trips to PEI for some Scuba diving photography ... A film of the Mid-Atlantic Cruise was shown on CBC's "Gazette" ... Hans Neu's model of Halifax Harbour displayed in the main lobby.

From  
the  
pen  
of  
John  
Vandermeulen





## Noteworthy Reads: BOOK REVIEWS IN BRIEF

By David N. Nettleship,  
Book Review Editor

The *Noteworthy Reads* section is a cooperative, volunteer effort by members of the BIO-OA to produce a representative list of recent noteworthy book publications related to the marine sciences and other subjects of general interest. The listing is not intended to be comprehensive or complete, but merely an attempt to highlight a number of 'good reads' that may be of interest to OA members and their associates. The review team's principal aim is to identify titles of new publications from a variety of disciplines including oceanography (physical, chemical, biological), geology, natural history, nautical engineering and design, etc. Most books listed are available at local bookstores and via HRM libraries; book prices are regular retail in Canadian funds; 20-30% discounts are normally available on line: e.g., amazon.ca or chapters.indigo.ca. Anyone interested in becoming a regular contributor to 'Noteworthy Reads' should contact David Nettleship (voice: 902-826-2360; internet: dnnlundy@navnet.net).

**Alexander, Caroline. 2003. *The Bounty: the True Story of the Mutiny on the Bounty*. Viking Penguin, New York, NY. 491 pp. Hardcover, \$42.00 (ISBN 0-670-03133-X).** – A new review of Master's Mate Fletcher Christian's mutiny against Lieutenant Bligh on a small, armed transport vessel called '*Bounty*' more than two centuries ago. This one focuses on the court martial of the 10 mutineers who were caught in Tahiti and returned to England for trial. Caroline Alexander brings a fresh perspective to the incident and revives the entire saga of that April morning in 1789 when Christian and his men took over command and initiated Bligh's historic open boat journey that showed him to be one of the world's great navigators and their own tragic exile. This is a book to be read and re-read, as it vividly captures the drama of the time and the inner workings, and limitations, of the 18<sup>th</sup> century British justice system, along with an insightful view of the seafarer's life. The story of the voyage, the trial, and the surprising fates of Bligh, Christian, and the mutineers is an epic of ambition, passion, pride, and duty at the dawn of the Romantic era. A gripping and informative read to be enjoyed by anyone interested in sea travel and human behaviour in confined spaces.

**Bannister, Jerry. 2003. *The Rule of the Admirals: Law, Custom, and Naval Government in Newfoundland, 1699-1832*. University of Toronto Press, Toronto, ON. 384 pp. Hardcover (fine leather binding), \$65.00 (ISBN 0802088430); softcover, \$34.95 (ISBN 0802086136).** – Here is a comprehensive review that examines governance in Newfoundland from the rule of the fishing admirals in 1699 to the establishment of representative government in 1832. It offers the first in-depth account of the rise and fall of the system of naval government that dominated the island for more than a century. The author, a Dalhousie University professor of history, investigates three topics in detail: naval government in St. John's, surrogate courts in the outport communities, and patterns in the administration of law. He challenges the conventional view that early Newfoundland was a lawless frontier isolated from the rest of the Atlantic world, and argues that an effective system of naval government emerged to meet the needs of those in power. Overall, '*The Rule of the Admirals*' is an original and perceptive work, one that demands that we reconsider much of our knowledge of early Newfoundland history.

**Gibson, Merritt. 2003. *Seashores of the Maritimes*. Nimbus Publishing, Halifax, NS. 364 pp. Softcover, \$19.95 (ISBN 1-55109-428-2).** – An indispensable and lavishly illustrated guide of life along the 11,000 kilometres of coastline in the Maritime Provinces. Retired zoology professor and long-time educator about wildlife in Atlantic Canada – previous guides include '*Winter Nature Notes for Nova Scotians*' (1980), '*Summer Nature Notes Woodland Animals for Nova Scotians*' (1982) -- has produced an easy-to-use field guide to the seashore seaweeds, flowering plants, invertebrates, fish, birds and mammals. It is a veritable 'goldmine' of information that is equally useful as a source to browse through and learn from in a comfortable chair indoors, as it is for identifying living things in the wild. Don't go out for a stroll along the beach without it.

**Hall, Alex M. 2003. *Discovering Eden: A Lifetime of Paddling Arctic Rivers*. Key Porter, Toronto, ON. 224 pp. Hardcover, \$27.95 (ISBN 1552632210).** – This is a book for voyageurs that care for nature and the grandeur of the barren lands and rivers of northern Canada. Alex Hall, trained as a wolf biologist, has spent the last 30 years living as a canoeing guide on the 'Barren Lands', the only full-time guide in that part of the country over that time period. He has become a legend to northern canoeists and naturalists, and this present work will catapult him to a larger audience by displaying his incredible grasp of "just what the Barren Lands mean". He reveals



its magical and all-powerful reality as a special place within Canada's magnificent wilderness. The book is structured meticulously, brimming over with information on the unique biological richness of the land, lakes and rivers, presented in a prose that is uplifting and full of love and understanding of the wildlife (plant and animal) and dynamics of the system that supports them. This work is 'nature writing' at its absolute best, one of the essential books that anyone interested in northern Canada should own. Doubtless it will become a northern classic.

**Klimley, A. Peter. 2003. *The Secret Life of Sharks: A Leading Marine Biologist Reveals the Mysteries of Shark Behavior*. Simon & Schuster, New York, NY. 304 pp. Hardcover, \$39.50 (ISBN 0743241703).** – A new publication on sharks that takes a distinct twist away from the normal genre of popular books devoted to the subject. Instead of describing sharks as voracious 'eating machines', scientist Peter Klimley, who has studied sharks for more than 30 years, presents them as magnificent animals with complex social relationships. He succeeds in helping readers understand shark behavior by comparing them to more familiar animals. Overall, a fascinating look at this most remarkable fish group.

**Koppel, Tom. 2003. *Lost World: Rewriting Prehistory – How New Science is Tracing America's Ice Age Mariners*. Simon & Schuster, New York, NY. 320 pp. Hardcover, \$ 41.00 (ISBN 0743453573)** – Canadian author and journalist Tom Koppel reviews existing information on the ever intriguing question "By what route did humans begin peopling the Americas at the end of the last Ice Age?" The most popular scenario, called the 'Clovis First', has Asians crossing the Bering Strait – a land-bridge 12,000 years ago – followed by a push south inland through the glacier-choked continent. A more recent interpretation of the evidence has the migrant people sticking to the west coast, making their way south along the Pacific Rim in small boats or by foot. 'Lost World' explores the clues supporting this new view, and by doing so, identifies the information gaps that must be overcome by its proponents. Overall, an excellent summary of a compelling and controversial theory about the populating of the North and South American continents.

**McGoogan, Ken. 2003. *Ancient Mariner: the Amazing Adventures of Samuel Hearne the Sailor who Walked to the Arctic Ocean*. HarperCollins Publishers, Toronto, ON. 332 pp. Hardcover, \$36.95 (ISBN 0-00-200098-9)** – Here is a vivid, real-life adventure that restores an extraordinary explorer, often overlooked, to his rightful place in the history of the exploration of Arctic Canada. Among fur-trade experts, Samuel Hearne is

grudgingly recognized as the 18<sup>th</sup> century British adventurer who, during a remarkable three-year odyssey covering 3,500 miles, became the first European to reach the Arctic coast of North America. This account by Ken McGoogan shows that Hearne was a far more complex, accomplished and influential person than the history books suggest. Drawing on historical records -- naval, fur-trade and literary -- we see Hearne as a skilled navigator, pioneering anthropologist, ground-breaking naturalist and gifted artist. McGoogan's review is complete and rich in information, detective work that also reveals that Hearne met Samuel Taylor Coleridge in London late in life and inspired the poet to write "*The Rime of the Ancient Mariner*". This volume is destined to take a significant place among books on arctic history.

**Merrick, Elliott. 2003. *Cruising at Last: Sailing the East Coast*. Lyons Press, New York, NY. 272 pp. Hardcover, \$37.95 (ISBN 158574767X).** – Here is a book for those of us that treasure the sea while afloat under sail in a small craft. Elliott Merrick captures the magic of the cruising passion, from the inception of the desire, on to building the boat of your dreams and taking it to sea. This account of sailing from South Carolina north to the coast of Maine is captivating. His skillful talent as a writer takes the reader aboard to share the thrill and self-satisfaction of cruising in waters and hearing the bow wave rush and whisper along with the companionship of marine birds and mammals enroute. Merrick delivers the eternal and ubiquitous feeling among sailors everywhere "Life is good, brother." Jump aboard and enjoy the experience!

**Muller-Schwarze, Dietland and Lixing Sun. 2003. *The Beaver: Natural History of a Wetlands Engineer*. Cornell University Press, Ithaca, NY. 208 pp. Hardcover, \$47.00 (ISBN 080144098X).** – A comprehensive and readable overview of the anatomy, behaviour, and ecology of beavers in North America and Europe, including fascinating details on the construction of lodges and dams. The information presented is based on a thorough review of the literature and the authors' own research and provides an up-to-date summary of knowledge currently available on beavers. Individual chapters include details on communication, food, parasites and diseases, habitat requirements, and other animals and plants that benefit from beaver habitats. There are also five chapters on inter-relationships between beavers and people, providing case studies and useful advice for the successful integration of beavers and people where they co-exist. An informative review of a fascinating mammal, close to the hearts of all Canadians!

**Parsons, Robert C. 2003. *The Edge of Yesterday: Sea***

**Disasters of Nova Scotia.** Pottersfield Press, Porters Lake, NS. 223 pp. Softcover, \$19.95 (ISBN 1895900573). – This volume, the eleventh book by the author on Atlantic Canada's rich nautical heritage, is a compilation of 41 seafaring tales of at sea disasters that occurred in Nova Scotian waters between 1877 and the 1950s. The stories presented reveal the reliance of the economy on ships and sea transportation, and the nature of the mariners that stood before the mast and hoisted sail or shoveled coal for steam-driven vessels. Each story appears to have been researched carefully, and by that process, delivers us through a glimpse of the evolution of sea travel through that remarkable 75-year period. Thanks to Robert Parsons for gathering these stories of the sea, tales of heroism or tragedy, before they were lost, accounts essential to the historic record of maritime Nova Scotia.

**Steele, Peter. 2003. The Man Who Mapped the Arctic: the Intrepid Life of George Back, Franklin's Lieutenant.** Raincoast Books, Vancouver, BC. 307 pp. Hardcover, \$39.95 (ISBN 1-55192-648-2) – A new assessment of the contributions of George Back, accomplished artist and writer, who accompanied John Franklin on three of his major expeditions, mapping huge swathes of the Canadian Arctic under brutal conditions. Fortunately, Back did not join Franklin's final and tragic expedition, and instead headed his own exploration of the Back River. His heroic work won him great acclaim, and stands as one of the greatest-ever feats of polar exploration and endurance. Back had an extraordinary life, complete with outstanding accomplishments and harrowing experiences, one that makes for a gripping read. Those of us interested in arctic history owe Peter Steele a debt of gratitude for uncovering much new information on this 'giant' of northern explorers.

**Unwin, Peter. 2003. The Wolf's Head: Writing Lake Superior.** Viking Canada, Toronto, ON. 254 pp. Hardcover, \$34.00 (ISBN 0-670-04390-7) – A passionate account and gifted overview of the people and their stories associated with the world's largest body of freshwater, Lake Superior. Peter Unwin investigates the powerful and mysterious effect Lake Superior has had on the people of the Lake and their cultures. He weaves together the stories of the Ojibwe, French and English-speaking peoples whose coexistence on and round Superior's shores formed the basis for a unique and genuinely North American society—a society based on everyday hardship, naked courage and native adaptability. By reviewing events from the distant past to the recent present, this volume provides the basis for a considerable better understanding of the cultural development of the peoples in northern United States and Canada. An interesting and

thought-provoking read.

**Winchester, Simon. 2003. The Meaning of Everything: the Story of the Oxford English Dictionary.** Oxford University Press, Oxford, UK. 260 pp. Hardcover, \$34.95 (ISBN 0-19-860702-4) – This book, the latest work from the best-selling author of "The Professor and the Madman" (2000), "The Map that Changed the World" (2001), and "Krakatoa" (2003), is an outstanding celebration of the English language and of its unrivaled treasure house, the Oxford English Dictionary. Winchester first takes the reader on a rapid, though comprehensive, history of the English language and then pays homage to the great dictionary makers, from Samuel Johnson to Noah Webster. Once completed, the focus shifts to the story of the making of this 'champion' of dictionaries. The characters presented are many -- including Herbert Coleridge (first editor, and grandson of the poet), Frederick Furnivall (a disaster, leaving the project in a shambles), and James Augustus Henry Murray (the saviour, who brought the work to fruition over a 50-year period) -- but it is the brilliant characterizations of these key and other important individuals that are gripping, as are the descriptions of the tools of the trade available at the time. In total, this is a book for everyone interested in the English language and the 70-year odyssey that culminated in the creation of the greatest monument ever erected to a living language.

#### ON THE LIGHTER SIDE I

##### All I Need to Learn about Life I learned from the EasterBunny!

Don't put all your eggs in one basket.

Walk softly and carry a big carrot.

Everyone needs a friend who is all ears.

There's no such thing as too much candy.

All work and no play can make you a basket case.

Everyone is entitled to a bad hare day.

Let happy thoughts multiply like rabbits.

Keep your paws off other people's jellybeans.

Good things come in small, sugarcoated packages.

The grass is greener in someone else's basket.

An Easter bonnet can tame even the wildest hare.

To show your true colours you have to come out of the shell.

The best things in life are still sweet and gooey.





And a great time was had by all at the BIO-OA picnic hosted by the Nettleships this year—see page 8. (Photos by Clive Mason.)



Charles Schafer (2nd from the right) led the Waverley walk (see page 4) . (Photo by Roger Belanger)

**TODAY'S STOCK MARKET REPORT**

Helium was up, feathers were down.  
Paper was stationary.  
Fluorescent tubing was dimmed in light trading. Knives were up sharply.  
Cows steered into a bull market.  
Pencils lost a few points.

Hiking equipment was trailing.  
Elevators rose, while escalators continued their slow decline.  
Weights were up in heavy trading.  
Light switches were off.  
Mining equipment hit rock bottom.  
Diapers remain unchanged.

Shipping lines stayed at an even keel.  
The market for raisins dried up.  
Coca Cola fizzled.  
Caterpillar stock inched up a bit.  
Sun peaked at midday.  
Balloon prices were inflated.  
Scott Tissue touched a new bottom.

## ABOUT THE ASSOCIATION

The Bedford Institute of Oceanography Oceans Association was established in 1998 to foster the continued fellowship of its members; to help preserve, in cooperation with the Institute's managers and staff, BIO's history and spirit; and to support efforts to increase public understanding of the oceans and ocean science. Membership is open to all those who share our objectives. Most current members are present or past employees of BIO or of the federal departments of Environment, Fisheries and Oceans, and Natural Resources (or their predecessors) located in the Halifax Regional Municipality. Membership is \$5.00 per year, \$25.00 per half decade, or \$100.00 for a lifetime membership. Payment for membership renewals should be sent to: Ms. Betty Anderson, Treasurer, 79 Flamingo Drive, Halifax, Nova Scotia B3M 1T2. For further information or to obtain a membership application form, contact any of the current executive members listed below.

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} See  
above