

BIO-OCEANS ASSOCIATION NEWSLETTER

Issue 12

July 2001

THE PRESIDENT'S FORUM

by Dale Buckley

At the annual general meeting we made a change in one member of our Executive. I would like to thank Ted Smith for his many contributions as chair of Social Activities, and I welcome Ken Williams as a new member of the Executive and as co-chair of Social Activities with Jackie Dale. At the AGM, we also agreed that we would nominate and elect someone to a new position as second vice president. Over this summer, I hope that we can find someone to fill this post, as it is important to our executive continuity.

Plans are now rapidly developing for our participation in the BIO Open House that will be held in Oc-

tober this year. BIO-OA will have a display area consisting of posters, photographs, artifacts and information on the history of BIO. It is very satisfying to have had input from several of our members in contributing ideas and material for the display. Part of our effort to prepare for this Open House display is to identify significant events and achievements over the entire history of BIO. Carole Broome (BIO Library) is coordinating efforts to compile a *Chronology of Events at the Bedford Institute of Oceanography*. Draft versions of this document are being circulated to individuals for editing and additions. We need more input from a number of people to make this chronology as complete as possible. We hope that this may eventually be the skeleton on which the flesh of a complete history of BIO can be placed.

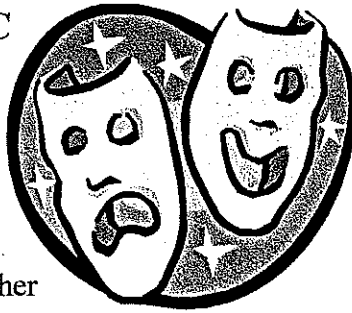


CONTENTS

THE PRESIDENT'S FORUM	1
THE ATLANTIC THEATRE FESTIVAL	2
OBITUARIES	2
BIO RETIREES IN IRELAND	3
TOM CLARKE—	
A COMMUNITY VOLUNTEER	5
MEMBERSHIP & FINANCIAL REPORTS	6
ANNUAL SUMMER BARBECUE	6

BIO ARCHIVES UPDATE	6
HOT OFF THE PRESS: THE FIRST AND ONLY BOOK FOR EVERYONE ON THE GEOLOGICAL HISTORY OF THE MARITIME PROVINCES	7
THE PARABLE OF THE JAR	8
ABOUT THE ASSOCIATION/ CONTACTS FOR INFORMATION	9

THE ATLANTIC THEATRE FES- TIVAL



Many of our members attend this festival, either regularly for every production, or on a more irregular basis, picking only those certain shows in which they have a special interest.

Regardless of your choice in this regard, you may very well meet up with members Pat and Roger Pocklington, who now live in Wolfville and also usher at many of the Theatre Festival shows. Should a group of people wish to attend together, Roger

says not to forget that there are savings available. Groups of ten or more people can receive a discount of 10% - 20%, depending on the size of the group. Or, seniors and students may deduct \$5.00 off of any single ticket. He also suggested that should any of you have any special questions, you could call him (his number is included on the sheet of phone numbers included with this newsletter). He will help you in any way he can.

By the way, that sheet of members' phone numbers, which is provided every year at this time by Betty Anderson, can come in handy during the year. Betty has prepared it for your convenience – so we hope you hang on to it and find it useful.

OBITUARIES

The BIO-Oceans Association bids fond farewell and extends its sincere sympathies to the family and friends of the following departed colleagues..

Charlotte E. Stalker Allan passed away on May 28, 2001, in Halifax, at the age of 91. Charlotte was BIO's founding librarian and worked at the Institute from shortly after its founding in 1962 until July 1974.

Roy Charles Amero, Dartmouth, passed away on May 30, 2001, at the age of 83. Roy was employed as a hydrographer with the Canadian Hydrographic Service at BIO for 22 years.

F. Stanley Barlow, Halifax, passed away on April 13, 2001, at the age of 83. Stan was the engineering representative for the Nova Scotia Branch of English Electric, which supplied engine parts for the *CSS Hudson*. He also built a model of the *CSS Dawson* for BIO.

William Hartwell ('Hartie') Champion, 61, Dartmouth, died Thursday May 10, 2001. Over a career spanning 31 years, Hartie ran the publishing/ printing office of the International Commission for the Northwest Atlantic Fisheries (later renamed the Northwest Atlantic Fisheries Organization), which was housed at BIO for many years.

Cheryl Marie Dinn passed away peacefully in the Palliative Care Unit of the QEII on April 19, 2001, at the age of 57. Cheryl was the wife of Don Dinn, an engineer and long-time manager at BIO and a member of our Association.

Harold Clayton Kuhn, 86, Seaforth, died on April 30, 2001. He worked for the Department of Fisheries and Oceans for 28 years.

Captain Gordon James Reyno, Sambro, passed away May 8, 2001, at the age of 73. Gordon was well known as the Master of the BIO research vessel *Navicula*.

BIO RETIREES IN IRELAND

By Keith and Carol Manchester

After three years of anticipation, three members of the association arrived in Ireland to attend the World Canal Conference which took place in Dublin and Belfast from May 15 to 18, 2001. This world class conference was previously hosted in Dartmouth by the Shubenacadie Canal Commission in 1993 and has met in England, at Canadian and US sites, and in France in subsequent years. Keith and Carol Manchester flew in from London, England, and Betty Anderson flew from Halifax via Toronto with a group from the Canadian Canal Society.

The conference was held in Dublin Castle with delegates staying in nearby hotels or on canal boats on the Grand Canal in Dublin. The conference was hosted by the Govt. of Ireland, Waterways Ireland and Inland



Keith Manchester (at right) learning the ropes on the Grand Canal in central Ireland.

Waterways Association of Ireland. Because the Waterways association is made up of members from the Irish Republic and Northern Ireland, conference delegates also spent one day in Belfast and Lisburn, Northern Ireland. The theme of the conference was Living Heritage and explored the contrasts between faithful restoration and modern reconstruction of canals.

The day before the conference, we had a tour by bus of the Royal Canal which starts on the north side of the River Liffey and connects to the River Shannon. On day one of the conference, we attended sessions in the castle. In the evening, The Lord Mayor of Dublin hosted a reception at the historic city hall followed by a dinner in Dublin Castle hosted by the Minister of Arts and Heritage.

Early the following morning, we were off by train to Belfast and sessions in the Waterfront Hall on the Northern Ireland waterways. In the afternoon, we traveled to Lisburn for events at the Lisburn Borough Councils Civic and Arts Centre. The Centre is located on the River Lagan beside a restored canal cut and lock. The Lisburn Council hosted an evening banquet with much wine and singing of Irish song.

The third day of the conference featured talks on heritage canal craft by North American and European speakers. Workshops were held in the afternoon followed by the plenary session with a presentation on be-

half of the 2002 Worlds Canal Conference to be held this September in Montreal. This conference will feature the redeveloped Lachine Canal. In the evening, we had drinks on board the canal boats which had motored on the Grand Canal to Dublin. This was followed by "The Party in the Park" which was another dinner with lots of Irish drink and entertainment. The day after the conference we went on a tour of sites on the Grand and Royal Canals in the Dublin area by bus.

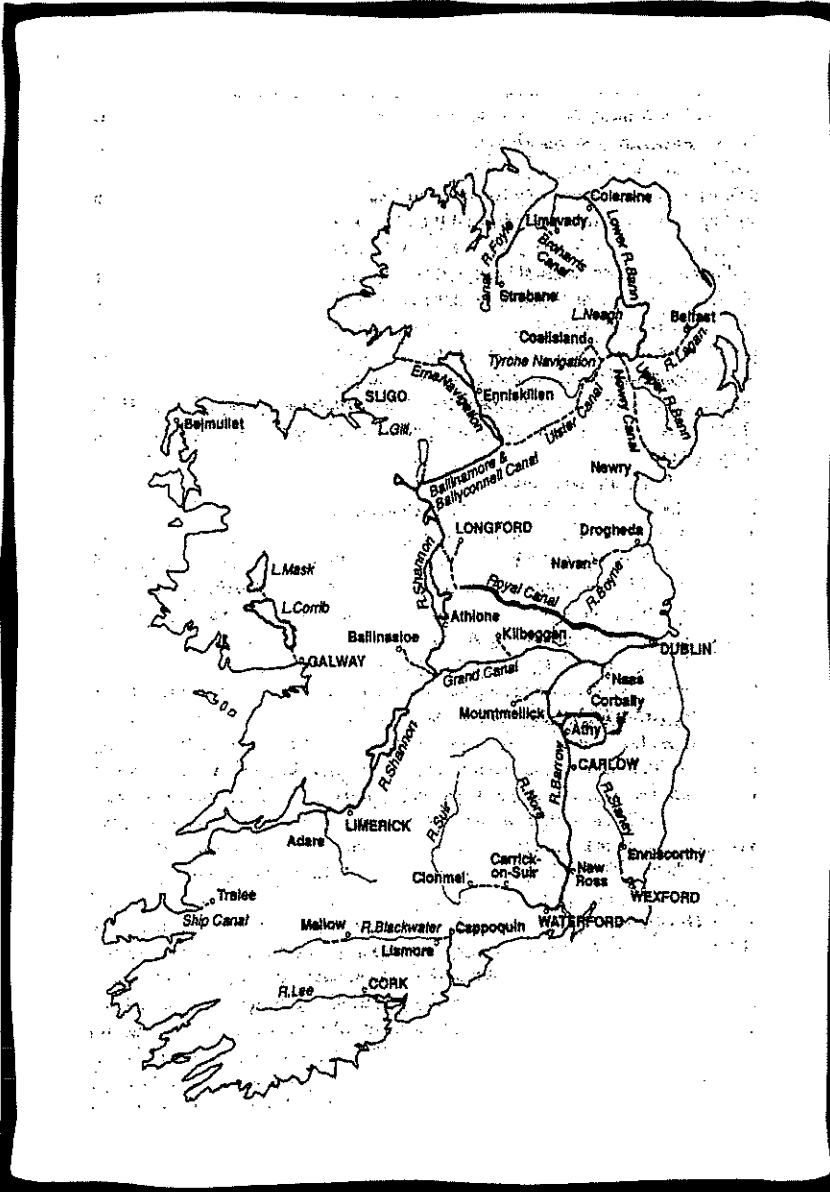
Following the conference, we participated with 12 other members of the Canadian Canal Society in a 6-day tour of Irish Waterways and other historical sites. This tour was arranged for the Canadian Canal Society by the Inland Waterways International. On the tour we visited all the major canals and waterways of Ireland and had a grand time with lunches in village pubs and dinners and nights spent in some historic hotels in the Republic and in Northern Ireland. We also had some great trips by boat on the waterways. The moonlight cruise from Carrick on

Shannon aboard the MV "Moon River" was a highlight of our trip. We also traveled on a canal boat between locks on the Grand Canal near Tullamore. A visit to Lockes, a historic distillery at Killbeggan, with some sampling, was also a memorable experience.

Our tour ended with a drive through the Liffey valley and the Dublin Mountains to the port of Dun Laoghaire and a stay at the Royal Marine Hotel. We flew home via Shannon and Toronto. Betty Anderson was glad to be home after two busy weeks in Ireland and the Manchesters were glad to be home after a month spent in the British Isles.

The World Canal Conference has been an annual event since 1988 with upcoming conferences scheduled in Montreal

(2002), Scotland (2003) and St. Catharines, Ontario (2004). If anyone is interested in more information on the future conferences or the Canadian Canal Society please call or e-mail us at k.manchester@ns.sympatico.ca.



Map showing the inland waterways of Ireland.

TOM CLARKE – A COMMUNITY VOLUNTEER

By Jackie Dale

Tom Clarke is well-known to all of you as a ex-BIO staff member, and a member of our own association. What you may not know is that he is a very interested and active volunteer with the North Dartmouth Outreach Centre, which among other things, is a member agency of the Halifax Metro Food Bank.

The work carried out by the Centre in this respect is impressive. Many volunteers work together, registering each client in turn, filling plastic containers and bags, and sorting various foods for later distribution. There is no hectic hustle and bustle, just people quietly and efficiently working together to perform a valuable service. Everyone seems to know exactly what to do, with little direct supervision necessary.

A morning at the Centre opens with a reading from the Scriptures, and prayers are offered in a circle formed by clients and volunteers together. Organizers were quick to mention that there has been some very positive feedback on this short service.

Clients are registered in order of their arrival, when they present health cards and proofs of address. Coffee and doughnuts are supplied. The Centre is open every Wednesday, and clients can register for assistance once a month.

Travelling with Tom through the Centre on a Wednesday morning, one can see supplies of packaged foods as well as perishables such as beans, eggs, potatoes and cauliflower. There is also a "choice" table, from which clients can choose from a variety of several different foods. These special foods include such things as cake mixes, flour (in

one-litre containers), pickles, tea, coffee, prune juice and detergent.

At Christmas, special packages are given out, as well as Christmas food parcels especially for families. Naturally at this time of year, toys are much in demand, but unfortunately short in supply. Because of this, the Food Bank will accept toys at any time throughout the year, and store them until Christmas.

It is well known that many of our members donate food to the Food Bank on a regular basis. There are, however, items that we, either individually or as a group, can contribute without any cost whatsoever, other than the time to gather them together. When asked if there was anything we could do to help, Tom replied that they are always in need, on a continuing basis, of plastic (grocery) bags, plastic containers (250ml.- 1L in size, originally used to contain yoghurt, ice cream, sour cream, etc.), and bottles (e.g., jam jars, 250-500ml.). Again, toys are always welcome.

If you have any of these items around the house, please do not throw them out, just call Jackie Dale (466-2584), who will pick them up and deliver them either to Tom or directly to the Centre. Aside from the Food Bank, programs offered at the Centre include Job Search Skills, Information Sessions, Advocacy, Gardening, Christmas Appeal, and a Trading Post.

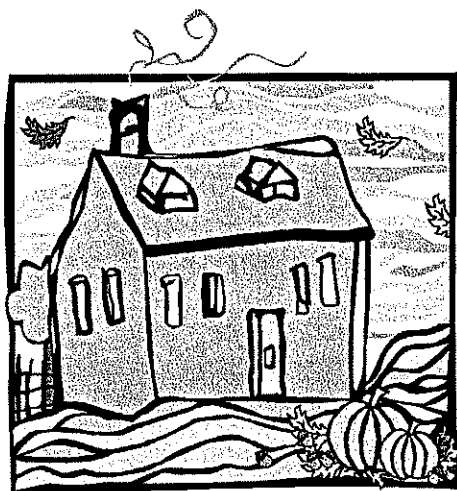
It would be an ideal situation to think that organizations such as the Outreach Resource Centre are unnecessary. Unfortunately, we can't do that, at least in this present day and age. Perhaps future generations will find a solution. In the meantime, Tom Clarke and his fellow volunteers are doing one great job at fulfilling a very important need, and deserve sincere congratulations.

MEMBERSHIP & FINANCIAL REPORTS

By Betty Anderson

Membership for the year ending April 30, 2001, totalled 140. To date, 95 have renewed. Don Gordon and Ying wang have become life members, bringing the total to 7. New members include Don Gordon, Don Lawrence, Ron Macnab, and Bill Sutcliffe. Welcome to all. [Reminding all members, for the umpteenth time!!, that renewals were due on May 1, 2001. Fees remain the same - see note on last page.]

BIO-OA's bank account has a balance of \$624.08 and \$2,789.09 invested in GICs. Arrangements are being made to invest \$500.00 with ING Direct at 4%, a slight increase over the bank's 3.2%. The Foundation Fund's balance is \$17.48 and donations totalling \$5110.00 cover sculpture costs for the Recognition award and bank charges of \$22.47.



ANNUAL SUMMER BARBECUE

This year, Cathy and John Lazier have graciously offered to host this event at their cottage in East Chester. The date, time and directions are all included in the coloured invitation prepared by John and attached to this newsletter. Please RSVP as soon as convenient. Soon after July 20th, we will be contacting those who plan to attend, to firm up details such as your pot-luck contribution, etc. We will be in need of extra barbecues, so please let us know if you have one, and if it is transportable.

For those of you who have kayaks and canoes, John says that there is a place nearby where they can be launched. Or, if you don't mind carrying your boat a short distance, it can be put in the water right from the beach beside the cottage. Swimming is also possible for those who enjoy the salt water.

Tentative plans call for each person to bring his or her own food for the barbecue. We will be in touch. If you have any questions, please contact John Lazier or Jackie Dale.(their phone numbers are on the invitation). Hope to see you there.

BIO ARCHIVES UPDATE

By Carole L. Broome

[Editor's Note: Carole is the Archives Researcher in the BIO Library. she can be reached at P.O. Box 1006, 1 Challenger Drive, Dartmouth, Nova Scotia B2Y 4A2 — by telephone at: (902) 426-6266 — by fax: at (902) 496-1544 or — by E-mail at broomec@mar.dfo-mpo.gc.ca]

Over the course of the past winter, the BIO Archives received a sizable donation of photographic slides from the Photography Section at BIO. Thanks to the generosity of Kelly Bentham and Heinz Wiele of the BIO Photography Section, the Archives now has within its possession a collection of over 12,000 individ-

ual historical slides. To date, these have been housed in protective sleeves and the majority have been indexed and catalogued. It is the hope of both the Photography Section and the Archives Researcher that a formal policy can be developed which would allow the ownership of the slides housed in the Photography Section to revert to the Archives after ten years in circulation.

The BIO Archives also received a number of paper records during the winter months, most notably those of Dr. Ronald Trites and Dr. Reginald Gilbert. These papers are currently being catalogued and made ready for their integration into the existing collection.

As Archives Researcher, I am pleased to announce that, in conjunction with the BIO-Oceans Association, the Archives will have a presence in the upcoming BIO Open House 2001 event scheduled for October of this year. For more information on the exact nature of the Open House exhibit, please feel free to contact me..

Finally, the Archives Researcher intends to host both an Archives Open House and a guest speaker from the Public Archives of Nova Scotia (PANS) some time in late August or early September. The Archives Open House will last one day, and will include an historic photographic slide show as well as a brief presentation by the Archives Researcher. The guest speaker from the Public Archives of Nova Scotia (to be held on a different day) will speak on "The Importance of Archives: Retaining Corporate Memory in Government." More information on these upcoming events will be posted as soon as it becomes available.

In closing, the Archives Researcher wishes to thank the BIO Oceans Association, especially Dr. Charles Ross, as well as the BIO Library staff, for their continued support of the Archives project.

HOT OFF THE PRESS: THE FIRST AND ONLY BOOK FOR EVERYONE ON THE GEOLOGICAL HISTORY OF THE MARITIMES

by Michael Latremouille

Have you ever wanted to have a good but not too specialized knowledge of the landforms, rocks, min-

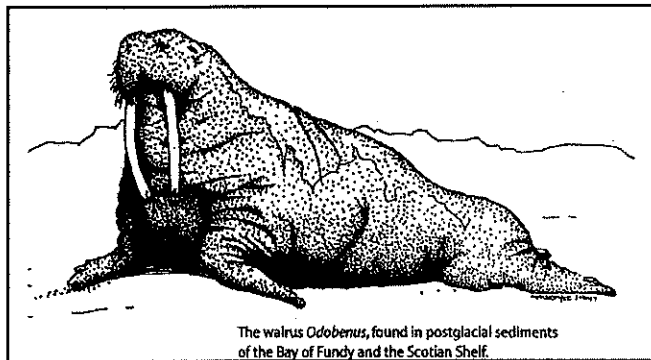
erals, and fossils that you see as you travel the Maritime Provinces? Are some of your children or grandchildren curious about the very origins of these provinces? If so, then "The Last Billion Years", a new book recently published by the Atlantic Geoscience Society and Nimbus Publishing Ltd. of Halifax, may interest you.

Subtitled "A geological history of the Maritime Provinces of Canada", this book is the product of many contributors, a lot of them from BIO. Robert A. Fensome and Graham L. Williams of the Geological Survey of Canada (Atlantic) at BIO served as editors of this unconventional history and also contributed some of the writing.

This is a book that delivers a vividly illustrated and well written summary of 1,000 million years of Maritime geological history in only 216 pages and 9 chapters. The book is beautifully illustrated with hundreds of photographs, schematic diagrams, sketches, and beautiful paintings of ancient vistas made especially for this publication.

To make the subject interesting and understandable to people from all walks of life, the first three chapters introduce you to Maritime geology with sections on topics like mountain building and plate tectonics, the age of rocks, and of course fossils. Chapter 8, *From Rocks to Riches*, is devoted to our region's mineral resources including oil and natural gas as well as to some environmental issues related to sustaining resources

"All other chapters", in the words of the book's introduction (page 3), "describe the geological history of the Maritimes beginning with the oldest rocks and fossils in Chapter 4, *Into Deepest Time*. Here we also discuss the earliest known supercontinent, Rodinia, to which a small part of the current Maritimes belonged. In Chapter 5, *The Pieces Come Together*, we show how a patchwork of crustal fragments, including some from the southern hemisphere, came together to form much of the Maritimes. We also show how two oceans, the Iapetus and the Rheic, arose and were later destroyed. Chapter 6, *Basins and Ranges*, highlights a time when tropical seas and coal forests spread into our region, with the Maritimes at the heart of a huge supercontinent known as Pangea. We relate how some of the earliest reptiles were found in



The walrus *Odobenus*, found in postglacial sediments of the Bay of Fundy and the Scotian Shelf.

our region and how they lived in a world with huge dragonfly- and millipede-like creatures. Chapter 7, *An Ocean is Born*, traces events related to the origin of the Atlantic Ocean. There was no Atlantic Ocean 200 million years ago, and the Maritimes was adjacent to northwest Africa, within the former continent of Gondwana. When the Atlantic opened, a piece of ancient Gondwana was left behind on the North American side. Hence, it could be argued that, in a geological sense, Halifax is an African city. In Chapter 9, *The Ice Age and Beyond*, we discuss the relatively recent past, the last million years, a time when such creatures as mastodons and walrus lived in the Maritimes. As recently as 20,000 years ago, this region was covered by glaciers that shaped our modern landscape; plants and animals living in the Maritimes today all migrated here after the ice retreated. We finish our story by gazing into a crystal ball to predict when there will be further ice ages and new mountain ranges in our region."

In addition to the main chapters, sidebars or boxes are dotted throughout the text to give readers more information on certain topics such as famous Maritime geologists, local earthquakes and turbidity currents, and fish fossils found in Maritime rocks.

The book is available for a very reasonable \$29.99 from Nimbus Publishing Limited, P.O. Box 9166, Halifax, NS B3K 5M8.

THE PARABLE OF THE JAR

An expert on time management was speaking to a group of business students and, to drive home a point, used an illustration those students will never forget:

As he stood in front of the group of high-powered overachievers, he said, "all right, time for a quiz." He pulled out a one-gallon, wide-mouthed, mason jar and set it on a table in front of him. Then he produced about a dozen fist-sized rocks and carefully placed them, one at a time, into the jar.

When the jar was filled to the top and no more rocks would fit inside, he asked, "Is this jar full?" Everyone in the class said, "Yes."

He reached under the table and pulled out a bucket of gravel. He dumped some gravel in and shook the jar causing pieces the gravel to work themselves down into the spaces between the big rocks.

He then asked the group: "Is the jar full?"

"Probably not," one of them answered.

"Good!" he replied.

He reached under the table and brought out a bucket of sand. He started dumping the sand in and it went into all the spaces left between the rocks and the gravel.

Once more he asked the question, "Is this jar full?"

"No!" the class shouted. Once again he complimented them." Then he grabbed a pitcher of water and began to pour it in until the jar was filled to the brim.

Then he looked up at the class and asked, "What is the point of this illustration?"

One eager beaver raised his hand and said, "The point is, no matter how full your schedule is, if you try really hard, you can always fit some more things into it!"

"No," the speaker replied, "that is not the point. The truth this illustration teaches us is: If you don't put the big rocks in first, you'll never get them in at all.

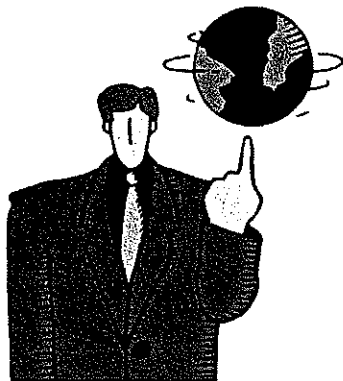
"What are the 'big rocks' in your life? A project that YOU want to accomplish? Time with your loved ones? Your faith, your education, your finances? A

cause? Teaching or mentoring others? Remember to put these BIG ROCKS in first or you'll never get them in at all.

“So, tonight, or in the morning when you may reflect more on this story, ask yourself this question: What are the 'big rocks' in my life or business?

Then, put those in your jar first.”

[Editor's Note: I received this story from a friend a while ago and thought it might be worth passing on. I do not know its source: if any of you does, I would appreciate hearing from you.]



BIO OPEN HOUSE 2001

The dates set for the Open House are October 11th-14th. Plans are certainly not cast in stone as yet, but

the BIO-OA will definitely have a display area.

As in the previous Open House, we as retirees who know the Institute as well as any, will be in demand to provide assistance in managing the huge crowds who appear to view the exhibits. At a recent meeting of the BIO Open House Committee, the need for volunteers to act in

this capacity was considered to be one of the major concerns.

Tom Clarke will be the person to contact if you are willing to help out. There are several areas that will require our help, and at some future date a little closer to that of Open House, Tom will have that information. You will definitely be hearing from him or one of his committee members.

The last Open House was a lot of fun for those who volunteered their services. Let's do it again!



HEAR YE! HEAR YE! NOW IS THE TIME FOR ALL GOOD PEOPLE TO LEND THE NEWSLETTER A HAND. WE NEED IDEAS, CONTRIBUTIONS, AND MORAL SUPPORT TO PUT OUT A NEWSLETTER YOU WILL READ. TOGETHER WE CAN HAVE FUN AND KEEP THE WORK DOWN TO REASONABLE AND REWARDING LEVELS. FEEL FREE TO CONTACT US... MICHAEL LATREMOUILLE (ED.)

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 present and past employees of BIO and to other past and present employees 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 annum, \$25.00 for a 5 year membership, 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 individuals listed below.

ABOUT THE ASSOCIATION

<u>Dale Buckley, President</u>	<u>434-5734 buckley@agc.bio.ns.ca</u>
<u>Ed Verge, Vice President</u>	<u>434-4987 everge@sprint.ca</u>
<u>Clive Mason, Secretary</u>	<u>469-2085 ab337@chebucto.ns.ca</u>
<u>Gordon Bowdridge, Vice Secretary</u>	<u>865-7530</u>
<u>Betty Anderson, Treasurer</u>	<u>443-2572 bettyvanderson@hotmail.com</u>
<u>Bob Reiniger, Past President and Vice Treasurer</u>	<u>477-9833 at665@chebucto.ns.ca</u>
<u>Michael Latrémouille, Newsletter Editor</u>	<u>434-4036 latremouille@accesswave.ca</u>
[Our newsletter is published quarterly in January, April, July, and October. Feel free to submit contributions via e-mail or by regular mail to me at 48 Swanton Drive, Dartmouth., N.S. B2W 2C5 or to Don Locke.]	
<u>Don Locke, Vice Editor, Newsletter</u>	<u>835-5209</u>
	<u>don-sharon.locke@ns.sympatico.ca</u>
<u>Ken Williams, Chair, Social Activities</u>	<u>475-1532 minken@hfx.eastlink.ca</u>
<u>Jackie Dale, Vice Chair, Social Activities</u>	<u>466-2584 jdale902@aol.com</u>