



VOICETPIPE

Issue 100

October 2025

The Newsletter of the BIO-Oceans Association

Warren Joyce 2025 Beluga Award Recipient



Warren Joyce receives his Beluga from Tana Worcester, representing the Regional Director of Science, Taryn Tomlinson.

OA potluck lunch
Monday, October 28th
11:45 am
Ford Auditorium
All are welcome

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Who doesn't love sharks? And for that reason, many of you know or at least know of Warren. But I have the distinct pleasure of making sure you all get to know him a little bit better.

He is a bona fide Maritimer and Acadian, where he grew up in the Hatchet Lake area. From age 5, his fate to work at DFO was essentially sealed, because he decided the thing he wanted to do when he grew up was work on sharks (or dinosaurs, which is essentially the same thing anyway). After high school he went to Dalhousie and graduated with his BSc in 1997. However, while he was there, he made sure to progress towards his childhood dream by doing a population analysis on porbeagle as an

honours project with Peter Hurley and Jeff Hutchings. After graduation, he promptly went to the Bimini research station in the Caribbean, to see numerous species of sharks up close and personal while doing snorkel surveys. Very soon afterwards, he was contracted by the Food and Agricultural Organization of the United Nations to write a review paper on Canada's porbeagle fishery. By 1999, his fate was sealed with a contract to work with Steve Campana, the previous lead of the shark unit, before coming on term and finally becoming indeterminate in 2005.

Warren had excellent timing, because he was on the forefront of the development of Canadian shark science.



Heather Bowlby delivered Warren's testimonial.

Sharks were not actually considered under Canada's Fishery Act until 1994 so all of the assessment and data collection programs were still in their infancy. As he worked through the hurdles associated with new technologies (which included a satellite tag blowing up in his office), he became internationally recognized for his technical skills. Researchers from the Faroe Islands and Japan found the money to bring Warren over to help them initialize their tagging programs. Taiwan did the same but for aging whale sharks. I think it is great that a Japanese researcher I know do international assessments always asks about Warren and his kids.

Closer to home, Warren was in charge of sampling the catches at Nova Scotia's shark tournaments for over 20 years and I expect that there are a few people in the audience who volunteered with him. Warren really tried to engage the public while on the dock, patiently dissecting each shark in front of a crowd of hundreds, pointing out cool features of their anatomy to the kids (or adults!), and handing out shark teeth or stickers to foster a life-long love of these animals. He has spent a huge number of hours on pelagic longlining vessels, working at all hours and in all types of conditions. I swear he must no longer have a sense of smell because there is nothing quite like a large decaying shark on a beach.

The last fact that I will share with you is that Warren hates fishing. Which is very, very odd for someone who has spent a lifetime in and around the fishing industry, although he always says that he never catches anything.

I wasn't the one who nominated Warren for the Beluga Award, it was initiated by several technicians that he works with in the Population Ecology Science Division. I know that he is a bit taken aback that it happened too.

However, I requested to be the one to give the speech because I have been fortunate enough to have worked with Warren for the last 9 years, and we have been able to accomplish an amazing amount for a 2-person unit in that time.

To finish, I would like to read my nomination letter to give you a sense of why I felt Warren exhibited unselfish dedication to community spirit at BIO.

"In a diverse organization like DFO, the contribution of individuals who are involved in large projects or who lead sections tend to be quite visible. I feel that it can be much harder to recognize the profound impact that individuals who work for small units can have on the cohesion and community spirit at BIO. Warren Joyce is one of the those individuals, and I am delighted to write a letter in support of his nomination.

The Population Ecology Division (PED) has recently undergone several years of uncertainty and turn-over in various assessment units and management teams although it has started to stabilize over the last year. When combined with the earlier turmoil of COVID and remote work, it has been very difficult for people in PED to remain connected, work cohesively and adapt effectively to new procedures and policies. For someone who unexpectedly found himself as one of the senior technicians in PED, Warren recognized the huge impact such turmoil could have on day-to-day operations and he actively took steps to fill the various 'holes'. This was not done grudgingly, with complaints, or with conceit, but with a genuine desire to help make others' work lives easier and successful.

Different assessment units can give excellent examples of how Warren maintained the skills and desire to help them achieve deliverables, which represented work he freely undertook in addition to his responsibilities with the shark unit. Notable contributions were to the PED dive program, the Sable Island field program, and juvenile lobster surveys. However, from my perspective, Warren's more impactful contributions were not in the field, but in the responsibilities that he took over and his general demeanor when in the office. When trying to maintain a community, it helps to have someone who is available and approachable to ask questions. It helps to have someone who understands process, and who is always willing to be a 'live' resource when others are struggling (e.g. with travel systems or SAP). Warren exhibits none of the protectionist thinking that was common among assessment units when I started. Rather than working against other groups to 'maintain what's ours' or even to heavily prioritize what's ours, he freely identifies and provides resources where they best benefit the division. Warren would rather work out of a quarter of a lab than see the halibut, clam and scallop aging, or



Warren dissecting a dead shark.

stomach sampling and food habits research move offsite or to suboptimal, transient areas during the reconstruction of the Fishlab. He would rather take on the job of updating Safe Work Procedures and serving as the PED Animal Care representative than see nobody volunteer or to have these tasks distributed to contemporaries with less flexibility or higher administrative loads. Warren truly views his work as a career, not merely as a job, which comes with the perspective that team-work and collaboration are a priority to make long-term and lasting progress. He sets an amazing example throughout the division, to technicians, biologists, research scientists

and management. I tend to think that everyone in Ecosystems and Oceans Sciences depends on the data that come from field programs run by technicians like Warren. They also rely on all those less glamorous tasks, like maintaining the halocarbon inventory so that we can freeze samples, or making sure fleet vehicles have winter tires to get to advisory meetings. I feel that quality of our science is directly tied to the community spirit among our technicians and I am very glad that this year's Beluga Award recognizes that.

Heather Bowlby

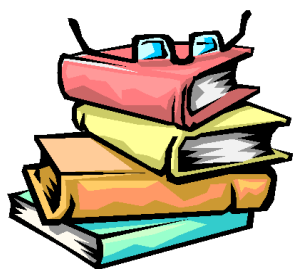
Canadian Atlantic Shark Research Laboratory

Editor's Keyboard

The following two pages sample the history of the BIO-OA Newsletter. Page 5 has an image from Issue #1 reporting on the cocktail party held on the *Sackville*. The newsletter has also reported on at least two visits to the other grand ship in the BIO history, the *Acadia*. In naming the newsletter the **Voice Pipe**, it seemed appropriate to use a photograph of the voice pipe on the Grand Old Lady on the masthead. Page 6 has excerpts from other issues. David Nettleship faithfully prepared his *Noteworthy Reads* book review column for many years. The In Memoriam column reported on the passing of our members. For this 100th issue there is a long list of former members and BIO staff. The year of BIO's 50th, we

printed the newsletter in colour and of course reported on all the celebratory events surrounding that event. I discovered a treasure trove of stories in the BIO archives that had transcripts of interviews of several senior BIO staff. Open Houses were covered of course. Recently with passing of so many former colleagues, life stories of key people filled the pages. Betty Sutherland and David Nettleship were contributors to my editorial team in the past and Peter Wells contributed many articles, most notably stories from his ramblings in the UK and the NSIS. I must apologize, however since Issue #100 should have been published in July. The summer just flew by. I pass on my best wishes to whomever is the next editor. *Andy*

Celebrating 100 issues of the BIO-OA Newsletter



NOTEWORTHY READS: BOOK REVIEWS IN BRIEF

David N. Nettleship
Book Editor & Reviewer

SPECIAL PUBLICATION:

FALL INTO CANADIAN OCEANS

Hadley, Michael L. and Anita Hadley (eds.). 2017. *Spindrift: A Canadian Book of the Sea*. Douglas and McIntyre, Toronto, ON. 360 pp. Hardcover, \$36.95 (ISBN 978-1771621731).- The Hadley's have given Canadians and all ocean enthusiasts a special treat in producing this wonderful anthology about Canada's 'From Sea unto Sea' descriptor. After five years of work identifying, compiling, and distilling a rich collection of maritime writings about some aspect of the seas that frame Canada into a massive land mass with the longest coastline in the world, the editors reveal a myriad of outstanding sea-related works by some of Canada's best writers of fiction and non-fiction including Lou Boudreau, Pierre Burton, Silver Donald Cameron, Emily Carr, Yann Martel, Hugh MacLennan, Lucy Maud Montgomery, Donna Morrissey, Farley Mowat, Alice Munro, Peter Newman, E.J. Pratt, Thomas Raddall, Stan Rogers, and a host of others. The collection of 170 pieces, separated into 10 themes and chapters, span all three coasts, highlighting the country's geography, first peoples, early voyages of exploration and discovery to its environmental riches, social and industrial developments, fisheries, ship building, warfare, tragic marine events, and iconic vessels and people. From this grand overview comes a vivid picture of what Canada is all about and its relationship to the sea both now in modern times and historically. Overall, a moving and delightful treasury of Canadian voices that vividly displays Canada as a marine maritime nation – a timely gift to Canada on its 150th anniversary!

Excerpt from David Nettleship's last 'Noteworthy Reads'

In Memoriam

Richard Addison, 5 Dec 2024
Kevin Robertson, 22 February 2025
Dr. Edward Bertram, 3 April 2025
Keith Manchester, 8 April 2025
Robert Burke, 7 June 2025
Ralph Halliday, 15 June, 2025
Mary Kennedy, 30 July 2025

BIO CELEBRATES 50 YEARS



Bernard Pelletier, Head, GSC Marine Geology
2nd in the series of Oral Histories
from the BIO Archives



Oral histories and transcriptions of interviews of several notable BIO staff are preserved in the BIO Archives.



OPEN HOUSE organizers September 2017

COCKTAIL PARTY



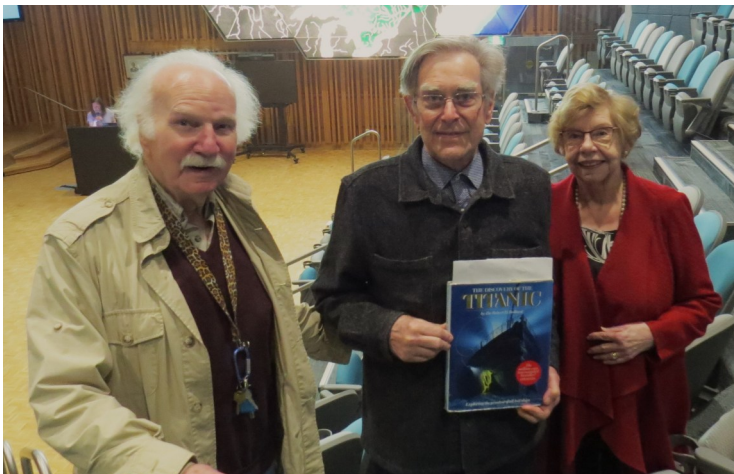
A cocktail party will be held on Friday October 16, 1998 (06:30 to 08:30 PM) on board HMCS *Sackville*.

HMCS *Sackville*, docked at the foot of Sackville Street behind the Maritime Museum of the Atlantic, has been made available to members of the Association and their guests for a cocktail party. Cost will be \$15.00 per person. Drinks and sandwiches will be included.

The *Sackville*, a WW II corvette, is the last remaining corvette of the 121 operated by the Royal Canadian Navy in WW II. The vessel has been restored by the Canadian Naval Memorial Trust, is on display each summer and receives 50,000 visitors each year. It has been designated as a historic monument and is well worth a visit. The vessel was used by BIO during the 60s and early 70s for hydrographic and scientific work. Many of BIO's retired personnel sailed in her during this period.

You are invited to attend this social event! If interested, please send your money order or cheque (payable to the BIO-Oceans Association) to the Association office at BIO no later than October 8, 1998. We cannot accept payment at the door. If you have any problems or other questions, please contact Ted Smith at 826-2059, Betty Anderson 443-2573 or Jackie Dale 466-2584 / 429-9497.

An excerpt from Issue 1 of the BIO Oceans Association Newsletter, October 1998. All the newsletters are at www.bio-oa.ca



Dr. Stuart "Stu" Smith (holding Titanic Book), OA Founding & Life member, with his wife Gloria, and their friend and fellow Forensic Engineer, Eric Jorden, excitedly anticipate Steve Blasco's Special Titanic Seminar at BIO. All three share strong personal interests in the wreck of the Titanic. Stu is a retired DFO Research Scientist studying Air-Sea Interactions, including iceberg tracking in the North Atlantic.

Titanically Speaking!

On Tuesday, 10 June 2025, a Special Seminar at BIO by OA member Steve Blasco, gave firsthand account of the impacts on the sea-floor and significant changes in the wreck after 8 decades of residing at abyssal depths. His presentation used 1991 & 1995 submersible window views seen during IMAX filming from the Russian research vessel *Academic Keldish*. About 75 OA members, BIO staff and Titanic Society members filled the Ford Auditorium, with another 100 joining online. Stay tuned regarding interest in a follow-up Titanic Talk at BIO.



Now celebrating 16 years, "First Wednesday of the Month Lunch" co-founders Gerry Dease (l) & Morley Wright (r) pose with Bruce Anderson, new email moderator (standing). Anyone is welcome who share an interest in preserving and strengthening the bonds of friendship that have been forged during numerous seagoing deployments over the past several decades. To contact email bruceanderson10@gmail.com

Beluga Award recipients attend 2025 Beluga Award ceremony



Front row: Warren Joyce (2025), Middle row (from left): Art Cosgrove (2003), Bruce Anderson (2009), Paul Brodie (Beluga designer), Dave McKeown (2004); Top row (from left): Borden Chapman (2008), Ruth Jackson (2019), Andrew Cogswell (2018), Sherry Niven (2010), Robert Murphy (2013), Claudia Currie (2014).

Nine of the previous recipients of the Beluga Award were present to witness Warren Joyce receiving the 25th Beluga Award. The first Beluga was awarded in 2001 to **Roger Belanger**, at that time BIO's photographer. The full text of the recipients' testimonials can be found at bio-oa.ca/beluga_winners.php **Peter Vass** was the recipient in 2002. **Art Cosgrove** (see above, 2003) displayed an unusually high and unselfish dedication to projects. He became indispensable to scientists from all departments and to the Open Houses. **Dave McKeown** (see above, 2004) was known for his hard working, generous and fair spirit while keeping the overall best interests of the organization in mind. **Jacqueline Dale** was the recipient in 2005, **Joe Bray** in 2006 and **Murray Scotney** in 2007. **Borden Chapman** (see above) was the recipient in 2008. His most appreciated attributes include his willingness to cooperate with a wide variety of scientific projects, applying his considerable skills to maintaining innovative prototype electronic equipment and solving prob-

lems with conventional radio and computer systems.

Bruce Anderson (see above) was the recipient in 2009 and has a pleasant personality, and his continuing willingness to serve on work, health and safety, union, Public Service Week, gift shop, and social committees for the betterment of BIO as a workplace and as a major Canadian Scientific Institution. He is also the new President of the BIO Oceans Association. **Sherry Niven** (see above) received her Beluga in 2010 for her professionalism, sensitivity and warmth. Her cheerful demeanor and understated competence belie her commitment to ensuring that BIO remains a great place to work. **Brian Beanlands** was the recipient in 2011, **Don Gordon** in 2012 (see the full tribute to Don in VP 98). **Robert J. Murphy** (see above) was the recipient in 2013. He forged strong bonds between science staff and ship's crew that not only ensured operational successes over the years but have fostered goodwill and an emotional investment for all involved in the mission that trans- (To page 7)

cends a mere "job". **Claudia G. Currie** received her Beluga in 2014. Claudia is especially valuable to the BIO community because of her boundless energy and ability to see how issues are actually opportunities to promote BIO in the most positive light to the general public and HRM in particular. **Barry MacDonald** was the recipient in 2015, **Glen Morton**, 2016 and **Kate Jarrett**, 2017. **Andrew Cogswell** (see above) was the recipient in 2018. He has shown an exceptional contribution to the success of BIO projects, initiatives, and the programs he has worked on. These contributions exemplify his unselfish efforts that encourage cooperation and foster a team-

work approach, which is so important to BIO. **Ruth Jackson** (see above) received her Beluga in 2019. Ruth has been described as a scientific trailblazer, working during a time when women were just beginning to participate in research missions at sea. She later went on to lead programs and many international efforts to map and interpret Arctic geology. **Shawn Roach** was the recipient in 2020. **Dale Eliot Buckley** was recognized in 2021, in part, for initiating the Beluga Award at BIO. To finish off the recipients **Kelly Bentham** was the recipient in 2021, **Patrick Meslin** in 2024 and of course, **Warren Joyce** 2025.

President's Message

Hope you all had a great summer! It was fantastic to see everyone at BIO in the Ford Auditorium on June 2nd at our OA AGM and the Beluga Award Ceremony. On this 25th Anniversary year since the first award was given in 2001, we were delighted that the 2025 Beluga Winner was Warren Joyce! It was wonderful that so many Beluga Award Recipients were present to take part in the group photo (page 6)!

This Voice Pipe #100 Issue is truly a monumental achievement! We want to extend our greatest thanks and highest praise to our current long-time newsletter editor, Andy Sherin, who has skillfully crafted 46 of these issues during his two periods as Editor! Andy published 10 issues from #91 in December 2022 thru #100 in September 2025, and 36 issues between #46 in April 2010 thru #81 in April 2019. This 100th benchmark is only possible with the dedication of the previous talented Newsletter Editors: Mike Murphy 9 issues between #82 in Aug 2019 thru #90 in May 2022, Mike Latrémouille 38 issues between #8 in July 2000 thru #45 in January 2010, and Lindo Seto with Don Locke as Vice Editor producing 7 inaugural issues between #1 in October 1998 thru #7 in April 2000! The Editors and readers are also thankful to the many contributors of great articles, photos and graphic design since 1998! We look forward to continuing the production of this wonderful resource. You can read all past OA newsletters on our webpage <https://www.bio-oa.ca/newsletters.php> Let us know if you are interested in any aspect of creating the next **Voice Pipe** issue.

If interested, email bio.oceans@gmail.com

It was very nice to see two new faces joining us on our September Executive call. Welcome to Stephen Forbes and Sherry Niven and we enjoyed and look forward to your valuable input in our discussions.

We are excited to announce our 2025 Fall OA Anniversary Event in the BIO Ford Auditorium. The event will take place between 11:30am – 1:30pm on Tuesday, October 28, 2025. This informal get together will again be Pot Luck. Current and past OA members and BIO Staff are all welcome to drop in and join us. It is optional to bring anything but yourself and a friend or visitor if you like! We would love to see you!

Yours,

Bruce Anderson & Jennifer Mudge



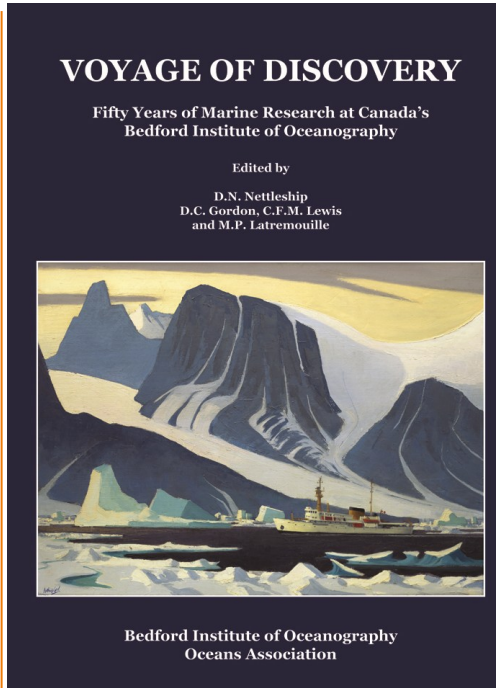
Jennifer Mudge (now Vice President) congratulates the new President of the Oceans Association, Bruce Anderson.

Reflections on the ‘Voyage of Discovery’

[Editor’s Note: David Nettleship shared these thoughts with me and are excerpted below]

Kudos for Issues 98 (February 2025) and 99 (April 2025) of the BIO-OA Newsletter *VoicePipe*. The content of both issues was exceptional, as usual, in particular pages 2-4 (Issue 98) with D.L. McKeown’s ‘*A Tribute to Don Gordon*’ and pages 8-9 (Issue 99) with Don Forbes’ tribute to ‘*Dr. C.F.M. (Mike) Lewis (1938-2025)*’, that highlighted the outstanding contributions made by two of BIO’s finest marine scientists. Despite the immeasurable loss of Don and Mike to their families and the discipline of marine science and the BIO community, their combined accomplishments show vividly the value the Bedford Institute of Oceanography and its members have had since its establishment in 1962. We should applaud Don and Mike’s achievements and press on to continue to grow our knowledge of the ocean and its global importance to humankind, both now and in the future.

Unfortunately, as wonderful as both tributes are, there are a few errors in David McKeown’s article that need to be corrected for the record. The idea of a book to commemorate the 50th Anniversary of BIO was not Don’s alone, but also suggested by others, and the creation of the form and structure that the volume should take occurred only after Don had resigned his role as head of the book committee owing to serious medical concerns. Michel Latremouille, as past editor of many ‘*BIO Review*’ publications, was appointed editor-in-chief to oversee the work and create a budget with me for presentation to DFO and NRCan senior management for consideration. Once the proposal was accepted, Michel asked me, owing to my experience in publishing multi-authored books, to take on the task of formulating the design that each paper within the volume should take and to prepare a document ‘Instructions to Authors’ that all contributors, once selected, needed to follow in preparation of their manuscript to ensure uniformity of form throughout the book. At this stage, a major push was made by all members of the book committee to solicit contributions from BIO scientists and associates, past and present, to show the nature and diversity of the science undertaken by the Institute over the 50-year review period (1962-2012). A short time later, a tragic event occurred. Michel announced he had to resign as ‘editor-in-chief’ owing to a diagnosis of severe prostate cancer that required immediate treatment. Once the shock subsided, the reduced editorial team of three (Don, Mike, and me), determined not to let the ‘*Voyage of Discovery*’ project die, pushed on at record speed. As I had written the ‘Instructions to Authors’ and was most fluent with the review process, it was decided that I would take the editor-in-chief role leaving more time for Don and Mike



to complete their large writing tasks. But another ‘bombshell’ was about to fall!

Owing to these unexpected obstacles and delays, it became immediately clear that the original target date of completion (2012) of the VOD volume was unattainable. Discussions with DFO and NRCan revealed

that moving the completion date into a new fiscal year would entail a 50% reduction in the financial contribution by DFO. This meant that BIO-OA would have to find additional sources of support and speed up the editorial process. However, in the making of any major book there are always ‘silent heroes’ whose contributions were invaluable to successful completion and publication. In the case of ‘*Voyage of Discovery*’ there are three: *Francis Kelly*, our graphics designer, who tolerated my never-ending calls for revision on all 300+ illustrations and the half-million words that comprise the text; *Ron Such*, Friesens (Altona, Manitoba) regional book production director, who guided me from selection of paper and bindery types to the creation of the front/spine/back covers, along with the multitude of technical production issues encountered along the way; and *Dr. William L. Ford* who encouraged and supported the Canadian Wildlife Service’s desire to establish a Seabird Research Unit within the BIO complex in 1976.

In summary, the ‘*Voyage of Discovery*’ volume could not have been produced without the support and dedication of many people within the BIO Community. It was a privilege to serve as president of BIO-OA during its formative years, as a member of the VOD editorial board, editorial team, and editor-in-chief of our outstanding ‘*Voyage of Discovery: Fifty Years of Marine Research at Canada’s Bedford Institute of Oceanography*’. Kudos to everyone involved in the success of the VOD, and fingers crossed that the second commemorative volume (2062) will be as exciting and informative as the first!

Best wishes and greetings to all,

David Nettleship

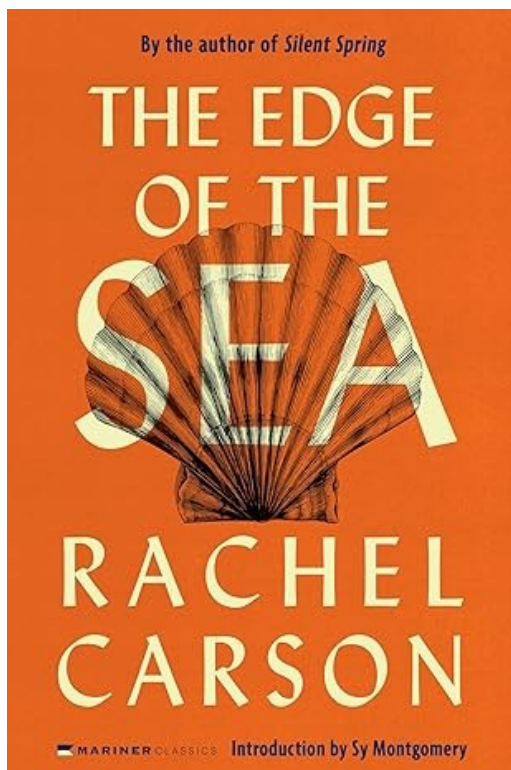
Rachel Carson's "*The Edge of the Sea*"

by Peter Wells

The famed marine biologist and nature writer, Rachel Carson, penned her third book, *The Edge of the Sea*, while living on a rocky island in the southern Gulf of Maine. The book, first published in 1955, has just been republished in a special edition¹ to celebrate its 70th anniversary. I have been re-reading it this summer while sitting on a local beach and swimming to cool off during the recent heat wave. The book is engrossing, covering the ecology and biodiversity of three coastal ecosystems – rocky shores, sandy shores, and coral coasts. The rocky shores chapter is especially relevant to Nova Scotia's coastlines. Carson describes in detail its seaweeds and lichens, invertebrates and fish, and the life histories of some of the most common species – rockweeds, kelp, periwinkles, barnacles, whelks, limpets,

clams, nereid worms, and crabs. The plants and organisms, and their various interactions, literally come alive on her pages, a truly engrossing read. Never could descriptions of mating and reproduction along the coastline be so stimulating! The book is highly recommended as part of your beach kit. Carson will long be remembered for her commitment to the sea and its future. This book and her others (*Under the Sea-Wind*, *The Sea Around Us*, *Silent Spring*) are well worth revisiting – they are informative, entertaining, and inspiring. Terrific reading for folks of all ages concerned about our blue planet. Required reading for aspiring marine biologists and scientists in oceanography of all ages!

¹ □ The Edge of the Sea. Rachel Carson. 2025. Special Edition, with illustrations by Bob Hines and a new foreword by Sy Montgomery. Marine Classics, New York, Boston. 336 p. (SC).



Rachel Carson at the seashore of Maine, Gulf of Maine.

<https://teahouse.buddhistdoor.net/at-the-edge-of-the-sea-for-rachel-carson/>

Remembering Paul Keizer, 7 August 2025

Paul joined the Bedford Institute of Oceanography in 1971. He advanced from Marine Environmental Biologist to Manager of the Marine Environmental Sciences Division, later serving internationally with ICES (International Council for the Exploration of the Sea) and contributing to major environmental policy initiatives. He continued supporting ocean science through the BIO-Oceans Association, where he was President from 2011 to 2013. Paul generously gave his time and talents throughout his life, serving as a Scout leader and dedicating many years as treasurer of the Cheema Aquatic Club and at St. John's United Church in Fall River, where he was also a valued choir member and steadfast supporter behind the scenes. Deeply committed to environmental stewardship, Paul played a leading role in early community recycling initiatives, served on the Shubenacadie Canal Commission, and contributed to lots of local projects that reflected his passion for giving back.

"I knew Paul well in the 1970-1990 period when we overlapped at work at BIO and MEL. We were both working on marine oil pollution, in the wake of the *Arrow* and other oil spills. Paul was very helpful with advice on chemical analytical techniques used to describe exposure conditions in oil and oil dispersant toxicity tests. He was always cheerful and very knowledgeable, without pretense. We worked closely together and co-authored a Mar. Pollut. Bull. publication in 1975 (50 years ago!!) based on some early outdoor tank experiments at MEL. A very fine scientist, a kind and gracious colleague. May he rest in peace." (Peter Wells).

All in a Day's Work

by Tim Lambert

Weather bronzed, shirt casually open at the neck, the oceanographer stands proudly at the rail. The breeze lightly lifts his hair and the deck moves gently beneath his feet as he scans the horizon with sun-narrowed eyes, his noble face alight with anticipation and promise of scientific discoveries ahead.

Bitter laughter from the wings! The real oceanographer, eyes glazed, bundled to the chin, wet and shivering, clings with death grip to anything bolted down. His green and haggard face contorts with the arrival of anguished messages from his tortured stomach ----- and oaths! He curses the day of his birth, God, the elements and Jacques Cousteau in an incoherent, random, repetitious babble. The sea has no secrets, this is war and he can never win.

Events during a "routine" cruise made me seriously doubt the decision I had made decades earlier regarding my chosen profession. I was engaged in plankton survey work on board the 60 foot MV *Navicula* off Pubnico in SW Nova Scotia, when a sixth sense, keenly honed by years of expe-



MV *Navicula*

rience gained by wresting data from the ocean, warned me it was time to up nets and head for cover. Fifty gallons of frigid sea-water had just poured off the after lab roof and down my neck at the same time as two buckets were washed overboard. With some effort we recovered and secured our sampling gear; no mean feat as *Navicula* had started to emulate an angry bull at a rodeo. As we were wrestling with our gear, a call came in from the Coast Guard relaying a distress call. Apparently a lobster boat had been discovered steaming in circles with no one aboard. We were required to join a search for the unfortunate owner who had obviously gone overboard. Then followed a couple of hours of purgatory as we bucked and lurched around our assigned search quadrant. The weather was rapidly deteriorating and *Navicula* was taking a real pounding; we knew it was bad because our Newfie engineer had gone below to lie down on the engine room floor.

As *Navicula* ploughed, rolled and submarined around the designated search quadrant, misery reigned amid the scientific contingent. We were now experiencing a full gale with winds gusting to 60 knots. Shallow water and four knot currents in opposition to the wind conspired to build mountainous waves of awesome steepness. At first we feared for our lives, but now foam filled the air, atmosphere and ocean were one, and our mental deterioration was complete ---- and we were afraid we would not die. Finally, even our skipper realized discretion was the better part of valour and we headed for home. I think I may have kissed the dock when we landed.

Nova Scotia Institute of Science (NSIS) Update

The next Issue of the PNSIS, Vol. 54, Part 1, 2025, is in press. It contains a range of interesting articles, from the history of computers used for chemistry at Saint Mary's University (SMU) to the extensive field work conducted in NS on Whitefish and Sturgeon. As well, the program of monthly talks from October 2025 to May 2026 is on the website. Meetings are held at SMU.

People are encouraged to renew their memberships, attend the meetings, and submit articles on their scientific research, current or past. See: www.1862nsis.ca.

PAYMENT Select one: ____ One Year: \$20.00 ____ Five years: \$80.00

Cheque Make your cheque payable to BIO-Oceans Association. Print the form, fill it in and send it and your cheque to: BIO-Oceans Association Bedford Institute of Oceanography PO Box 1006, Dartmouth, N.S., B2Y 4A2

E-transfer Complete the form and hit Submit. Use your banking app to send the payment to accounts@bio-oa.ca.

Credit card Before clicking the submit button, please provide the following information. This data will be deleted from our records after payment is processed. A processing fee of \$2.00 will be added.

Card number: _____ Expiry Date (DD/MM/YEAR): _____

Security Code: _____

Postal Code on billing address for card: _____

Remembering Reg Gilbert

Reg Gilbert was a man of many talents, a gifted Marine Scientist who inspired people around him to think about new ways of approaching experiments. He unfortunately suffered terribly from motion sickness and so it is a good question to ask: how did he end up spending most of his professional career working in the field of Marine Sciences ?

It was Reg who created the strong technical competence that the Bedford Institute of Oceanography enjoys to this day. It is his legacy to those who follow him.

Because of his nature and talents, Reg influenced the shape of the program and character of BIO more than any other person. By offering a critical appraisal of project proposals and a gifted support once the project was underway, he ensured that the Canadian marine investigations were based on up-to-date and innovative technology. Of course, he did not personally participate in every experiment but his leadership inspired others working around him to build better instruments and strive for better measurements.

It has been said that people forget but institutional memory preserves the wisdom of the past. In years to come, BIO will be a lasting memorial to Reg's wisdom.

Bosko Loncarevic

Remembering Richard Addison

Richard had a long and distinguished career as a research scientist in the study of marine containments and their impact on the fisheries. In the Fisheries Research Board of Canada Halifax Laboratory. (1966 to 1979) He carried out research in marine lipid biochemistry.



From 1971 to 1993 he was a research scientist at the Bedford Institute of Oceanography where he ran studies into the distribution of trace organic contaminants. He was Head of the Environmental Quality Division at the Marine Ecology Lab from 1976 to 1984. When he stepped down to pursue his research interests.

He was also Acting Director of MEL from 1977 to 1978.

In 1993 he became the Head, Contaminants Science at the Institute of Ocean Sciences, Sidney B.C where he worked until his retirement. He was an adjunct professor at Dalhousie University and the University of Victoria where he supervised Graduate Students and taught graduate courses in Environmental Toxicology.

Richard Addison was a Fellow of the Royal Institute of Chemistry and of the Chemical Institute of Canada.

Submitted by *Jean Addison*

[Editor's Note: A more complete article on the life of Richard Addison would be welcome for a future issue.]

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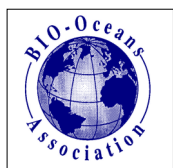
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The Bedford Institute of Oceanography Oceans Association (BIO-OA) was established in 1998 to foster the continued fellowship of its members; to help preserve, in cooperation with the Institute's managers and staff, BIO's history and spirit; and to 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 and Climate Change,

Fisheries and Oceans, and Natural Resources (or their predecessors) located in the Halifax Regional Municipality. Membership is \$20.00 per year, \$80.00 for five years.

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