

NEWSLETTER

PROBUS CLUB VANCOUVER

#252-2025 West 42nd Avenue, Vancouver B.C. V6M 2B5 (604) 261-6818



Clubs for retired and semi-retired professional and business persons, former executives and others

NEXT MEETING: DECEMBER 21, 1999

TIME: 9:30AM

LOCATION: Stanley Park Pavilion

SPEAKER: Howard Freeland, Research Scientist, Ocean Science and Productivity Division, DFO Science, Pacific Region

TOPIC: EL NINO, CLIMATE CHANGE, AND THEIR IMPACTS ON BRITISH COLUMBIA

Minutes from November 23, 1999

Attendance: 102

John Hopkins chaired the meeting. 7 guests were introduced by their sponsors. The Millennium lunch will be held following the January 18 meeting at the Hollyburn Country Club. **THIS LUNCH WILL BE AT NO COST TO THE MEMBERS ATTENDING.** Both meetings and lunch will be held at the club.

Bill Wallace gave the treasurers report. Currently we have \$8,269.00 in our account which is slightly more than we need. He has created a break even budget for next year. Rental costs have increased considerably. The roster cost \$610.00. 162 have paid their current dues to date. 49 have not. Monthly meeting attendance varies from 66 to 134 of our 211 members.

Phil Nuytten was introduced. His impressive life story and accomplishments are well summarized in last month's NEWSLETTER. His talk was illustrated with video clips of submersible devices that he has developed. Three themes emerging from his presentation included that there is almost total lack of knowledge of the seas below 100 feet, coastal areas of the continents are most vulnerable to man's activities

and lack of government support for research is driving many in the field of underwater technology from BC to Europe or the USA.

The improved version of the NEWT SUIT is lightweight, requires no umbilical cord, and will allow free swimming at rated depths while maintaining a pressure of one atmosphere. This means that decompression is not an issue in dives utilizing this suit. Therefore deep sea diving can be done by amateur divers such as researchers, geologists and technicians. Exploration of previously inaccessible depths by scientists will give information to allow better management of these areas.

Dr. Nuytten has been involved with National Geographic's Sustainable Seas Project. This project is a comprehensive study of selected coastal areas of the USA. His minisub, the DEPORTED, is being used for exploration. This vehicle weighs one ton, is the smallest one person sub available, can go to 2,000 feet underwater and is easy to learn to manoeuvre. It can also be used for submarine rescue work, carrying 5 EXOSUITS at a time. These suits are collapsible for easy transport and can maintain the pressures generated in a submarine at depth making rescue possible with maintenance of pressure and avoidance of bends. His current interest is in developing strategies and technologies for mining deep water volcanic vents. The material extruded from these flumes is rich in minerals and being in a liquid form can be harvested in an environmentally friendly manner.

QUESTION: He and Dr. Joe McInnis have covered 15% of the search area for Franklin's ships - the Erubus and Terror. The loss of these ships and their crews in the Arctic in 1845-48 was the subject of the largest marine search in history. The ships have not been found; Tax environment

President:
Roy E. Williams
926-4727

Past President:
Pidge McBride
274-0446

Vice-president:
John Hopkins
985-8422

Secretary:
Don Farquhar
948-9908

Treasurer:
Bill Wallace
222-2365

**Speakers
Committee:**
Brice Macdougall
922-5321

**Membership
Committee:**
Dick Matthews
922-0358

**Visits and
Entertainment:**
Tom McCusker
261-4763

**House
Committee:**
Doug Lambert
266-2422

**Greeters
Committee:**
Norm Weitzel
925-3574

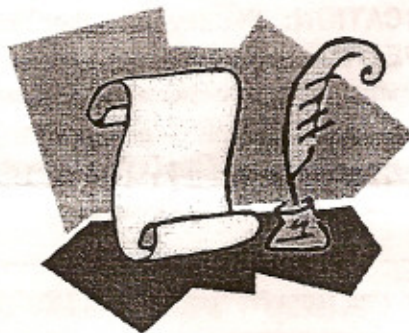
Rotary Liaison:
John Hoyle
926-2667

in Canada does not support underwater research despite B.C. being a world leader in this area; Search and Rescue is very politicized, therefore often the best equipment is not put to use if from a foreign country.

PRESIDENT'S MESSAGE:

Roy Williams and his wife Lenora are holidaying in Florida - hence this message from Vice President.

Those of you who missed the November meeting missed a fine presentation by Phil Nuytten, the world renowned inventor of the underwater diving suit, the 'NEWTUIT', and the underwater submersible vehicle used for underwater research and rescue.



We can all be very proud of this "Rabid Canadian and British Columbian" (his words) and the reason he has not considered moving South.

I also wish to remind everyone that the December meeting will be at the usual location on Tuesday December 21, 9:30am.

The January meeting will be at the Hollyburn Country Club, in West Vancouver, on Tuesday January 18, 2000 - 9:30 am which will be followed by our "Millennium Luncheon".

Enclosed with this newsletter is a form, regarding the January meeting and "Millennium Luncheon". If you plan on staying for lunch, please fill in the form and bring to the December meeting.

Look forward to seeing you at both meetings.

John Hopkins

PLEASE NOTE:

- A few comments on the enclosed Air Canada Championship brochure.
- The Rotary Club of Vancouver receives 80% of ticket purchases in it's name.
- In addition to the tickets ordered, purchasers receive an income tax receipt equal to 80% of the cost of the tickets purchased by them.
- Please note the deadline of December 15th 1999, which is understood, may be extended to the end of the month.



HOWARD FREELAND

**Research Scientist, Ocean Science and Productivity
Division, DFO Science, Pacific Region**

Howard Freeland received his B.A. from the University of Essex in 1968, in the school of Mathematical Sciences, then moved to Nova Scotia where he did graduate study for 5 years in the Department of Oceanography, Dalhousie University, finishing in 1973. He then went to the Woods Hole Oceanographic Institute as a Post Doctoral Fellow and then to the University of Rhode Island as an Assistant Professor. He then got his bearings straight and moved west in 1977, taking up a position at the brand new "Institute of Ocean Sciences", where he has worked since.

Howard has worked on a wide variety of problems ranging from the physical oceanography of fjords, to ocean circulation on the very largest scales. One of the reasons for doing oceanography is to understand the dynamics of the evolving climate of the Earth, and Howard published his first paper on that topic in 1976 and is still publishing papers on the ocean and climate change. At the present time Howard has recently completed a tour of duty as Head of one of the large Science Divisions in DFO Pacific region and is working with an international team to develop procedures for operational ocean climate analysis and forecasting.

ENGINEERING ASSOCIATION HONOURS TWO PROBUS MEMBERS

David Boyd was awarded a "Meritorious Achievement Award" for distinctive and outstanding achievement in professional or technical fields. An expert on bridges and marine foundations, David Boyd has left an indelible mark on Canada's built environment. Most recently, he was on site Project Manager for the construction of the world's longest continuous marine span bridge, the 13 km long Confederation Bridge linking Prince Edward Island to the mainland. David's expertise, professionalism and leadership have been major factors in the successful completion of some of the world's most technically demanding projects.

Frank Willis was awarded the "Community Service Award" for substantial and sustained contributions to community well-being. During his career with Wright Engineers and as APEGBC Council member, President (1988), staff Director and volunteer, Frank Willis has always made his community a priority. As a long time ski coach for the Nancy Greene Ski League and President of the Grouse Mountain Tyee Ski Club, he helped introduce skiing and ski racing to thousands of children. An unflagging commitment to youth programs and his church are the hallmarks of Frank's community dedication.



DECEMBER MEETING GREETERS ARE:

Charlie Sale
John Beveridge

The club wishes to thank the following members who served our club as greeters over the past year.

John Beveridge
Bill Ibbott
Don Milliken
Leo Sauve
Laffin Tompkins

Stan Clark
John Merchant
Finn Knutson
Gordon Youngson
Jack Stein

Neil Gray
Alan Baker
John Hoyle
Ed Legg

If you would like to help out as a greeter in the coming year, please call either co-chairman Norm Weitzel 925-3574 or Charlie Sale 929-5706

*Seasons
Greetings*