



The 4th Dimension

Association of Professional Engineers and Geoscientists of BC
 Victoria Branch Newsletter
www.apeg.bc.ca/vic

May 2005

You are cordially invited to a gourmet dinner at the Victoria Branch Annual General Meeting on Thursday, May 26, 2005. The meeting will take place in the Haro Room at UVIC's Cadboro Commons. Don't miss out on our last dinner meeting before the summer break!



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Annual General Meeting: Agenda

This month's dinner meeting event will be the Annual General Meeting, and will follow our usual social time at 5:30. The agenda for the meeting is as follows:

1. Call to Order (6:00 pm)
2. Introduction
3. Reading of Minutes of last AGM May 27, 2004
4. Treasurers report
 - Financial report for the fiscal year 2004-2005
5. Report of the outgoing Chair
6. Hand over of Meeting to Immediate Past Chair and Nominating Committee Chair
7. 2005-2006 Nominating Committee Report
8. Call for any further nominations
9. Election of Victoria Branch Executive for 2005-2006
10. Dismiss the Nominating Committee with thanks
11. Hand-over of Chair position, Gavel and Bell to elected Chair for 2005-2006. Introduction of new Victoria Branch executive
12. Report of New Chair
13. Closing

Following the business portion of the AGM will be dinner (6:30), presentations (7:15), a short break, and then a speaker presentation.

Event Details

WHEN: Thursday, May 26, 2005; Social at 5:30 pm; AGM at 6:00 pm

WHERE: Haro Room, Cadboro Commons UVIC

COST: Entrée: \$20.00
 No reservation \$25.00

RVSP: Please register in advance via the telephone answering service at **721-8896 by TUESDAY, May 24**. Provide the names of those whom you are registering and your telephone number. If you cannot attend after registering, please call 884-7744 by NOON the day before the meeting and give notice of cancellation on the answering service. The branch pays for dinners for those who do not cancel. Friends, associates and partners are always welcome! If you cannot join us for dinner, please come and join us for the meeting.

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Dinner Meeting Presentation: Closed Containment Salmon Farming

Since 2001, AgriMarine has successfully produced three crops of salmon at its Cedar B.C. research facility. The salmon are marketed as *EcoSalmon* and are sold at Thrifty Foods and other food service outlets.

Closed containment facilities, like the facility at Cedar, B.C., remove the risk of fish escaping into the open environment and eliminate interaction between the fish and other species. Further, contained facilities protect the fish from harmful marine algae and perhaps sea lice, and allow the removal of fecal material from the system. These factors are all environmental sustainability issues in the BC farmed salmon industry.

Although the husbandry of salmon in closed containment rearing systems has been proved possible, it is not cost effective due to water pumping costs and the high cost of construction on land. Recirculation systems would reduce the marine water supply pumping costs, however, they would add significantly to operating risks and costs since water re-use systems incorporate ammonia removal, a costly and challenging process.

In 2002, AgriMarine conceived a project that incorporates the benefits of closed containment salmon rearing, while addressing the construction and operating costs. The facility, known as Middle Bay, is a floating system planned for a site in Discovery Passage in Campbell River. The tank farm will be of concrete construction with a capacity to raise 4500 tonnes of market salmon annually. Waste will be removed and thickened for composting or for use as fertilizer.

While the controversy will continue over the impacts of rearing Atlantic salmon in net cage systems along the BC coast, closed containment systems may provide economic opportunities in coastal communities that have the existing infrastructure to support these operations.

Dinner Meeting Presenter: Richard Buchanan, P.Eng

Richard Buchanan, P.Eng., has been involved in the BC aquaculture industry since its inception in the early 1980s; initially as a consultant and then as a developer/operator of salmon hatcheries, salmon farms and processing plants. In 1971 he established Envirocon Pacific Ltd., a private environmental and fisheries consulting company. Envirocon evolved into AgriMarine Industries Inc., a BC company presently engaged in closed containment salmon farming.

Mr. Buchanan is a past president and treasurer of the Vancouver Public Aquarium and served on the Board of Governors for over 22 years. He is currently treasurer of the Aquarium's Marine Science Foundation and is an aquarium patron.

Meetings Around Town

ASHRAE, Vancouver Island Chapter

Please check the ASHRAE, Vancouver Island Chapter for upcoming meetings [www.ashrae.bc.ca/vi.htm]

Canadian Geotechnical Society (CGS)

Meetings are normally held the third Friday of each month from September to May, excluding December. Please see the website for details: <http://www.cgs.ca/english/reg-div/vic-loc.html#news>

Engineering Institute of Canada (EIC), Vancouver Island Branch

For information on the next meeting of the Vancouver Island branch of EIC, please link to: <http://civil.camosun.bc.ca/vib-eic/>

Institute of Transportation Engineers (CITE), Vancouver Island Section

The next meeting is in Victoria at Travellers Inn (Between Douglas and Blanshard on Discovery St), www.citebc.ca.

Advertisements

While APEGBC-Victoria Branch is not in a position to endorse advertisements, we do provide them as a service to our members. The advertising rates are \$200 for eight continuous advertisements and \$30 for a single advertisement.

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