

Gulf Islands' Island Tides

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Attractions & Accommodation

Vancouver Island & The Gulf Islands, Page 12

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Photo: Christa Grace-Warrick

Island girls square-off to a piñata at Shakti's (fifth from left, back row) birthday party. Pender's junior baseball apparently has a great future judging by the powerful whacks the poor snake received. Even the lone boy, 2-year-old Rowan had no trouble hitting the mark.

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Campaign for palliative care to raise \$350,000

The Saanich Peninsula Hospital Foundation launched a campaign to renovate Saanich Peninsula Hospital's Palliative Care Unit on October 2.

A pre-launch letter to donors has already raised in excess of \$100,000. In addition, the three Rotary Clubs on the Saanich Peninsula (Brentwood Bay, Sidney and Sidney by the Sea) have committed to raise \$50,000 over three years to furnish the unit.

'Again this year, we have had amazing support from the people of the Saanich Peninsula,' says Foundation Board President Lorne Jack. 'Our donors helped build a new Emergency Department and provide much-needed equipment to our hospital. We know our community cares about providing better health care. Now we need to renovate our old maternity unit to meet the needs of palliative care patients.'

FUNDRAISER, please turn to page 7

Marine protected areas on the way

The October 2 signing of a federal-provincial agreement to protect three of BC's unique and valuable ecosystems fulfills a long-standing dream for many Canadians, says the Canadian Parks and Wilderness Society (CPAWS). The National Park and National Marine Conservation Areas (NMCA) Action Plan for British Columbia includes the proposed Southern Okanagan National Park, and the proposed Southern Strait of Georgia and Gwaii Haanas National Marine Conservation Areas.

'We are delighted that the Prime Minister continues to follow through on his September 2002 announcement to expand the national parks system to include new parks and marine conservation areas,' said Stephen Hazell, National Executive Director of CPAWS.

Gulf Islands NMCA

The BC Chapter of CPAWS has been working for over five years with local people in the Gulf Islands to advance the national marine conservation area in the Southern Strait of Georgia. This area supports an abundance of marine wildlife and could include up to 1500 square kilometres of marine waters that surround the southern Gulf Islands.

'The Southern Strait of Georgia NMCA will complement the protection of the Gulf Islands National Park Reserve announced in May 2003. Given the many threats to marine life in this area, including the proposed Georgia Strait Crossing pipeline (GSX), we expect that the feasibility study will provide the information on which to base sound conservation measures to protect threatened marine species such as southern resident Orcas,' says Sabine Jessen of CPAWS' BC chapter.

Gwaii Haanas NMCA

The 3400 square kilometers of marine waters that comprise the Gwaii Haanas National Marine Conservation Area are among the richest and most diverse on the BC coast. Located at the southern end of Haida Gwaii (Queen Charlotte Islands), home to the Haida for over ten thousand years, these rich marine waters support 15% of all breeding seabirds on the BC coast. In addition to the seventeen species of whales and dolphins that move through the area, Gwaii Haanas also supports a Stellar sea lion colony, and vast kelp forests.

'Despite commitments dating back to 1988 to protect the waters that surround Gwaii Haanas National Park Reserve/ Haida Heritage Site, these waters have remained unprotected,' said Jessen.

Southern Okanagan National Park

The proposed Southern Okanagan National Park will be BC's first grasslands national park. The majority of BC's native grasslands have been lost to agriculture and urban development.

'BC's interior grasslands are home to over one-third of BC's endangered and threatened species. So the proposed South Okanagan National Park is an encouraging step forward in protecting these species and another of the most endangered ecosystems in Canada,' said Bob Peart, Executive Director of CPAWS-BC.

The 20,000 member strong CPAWS has played a significant role in protecting over 100 million acres of Canada's wild spaces since its founding in 1963. ✓

New Zealand MP visits Salt Spring

Brian Finnemore

After a tour of the recycling facility on Salt Spring Island, Rod Donald, a Green Party MP from New Zealand, met with a group of interested citizens in the comfortable environs of Starbooks. He described how the introduction of proportional representation in the NZ electoral system had enabled the Green Party to elect nine members to the 120 member legislature and because no party had a majority in the house, alliances were necessary to pass legislation. These alliances enabled the Greens to put forth green ideas in areas such as improved health care funding, disease prevention, environmental protection, recycling, many of which were adopted.

He expressed astonishment that our Liberal government was going down the path that New Zealand had gone in the '80s with privatization and corporatization of basic services such as transportation, power generation, and resource extraction. It was an expensive experiment and the NZ government were now in the process of buying back control in these areas, at inflated prices.

Donald was dismayed that our government seemed to be attempting to balance its budget

DONALD, please turn to page 2



Photo: Janice Finnemore

New Zealand Green MP, Rod Donald, talks to Salt Spring Islanders at Star Books on Salt Spring Island.

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Epiphany at the World Bank ~ Patrick Brown

At Cancun, Mexico, a couple of weeks ago, the World Trade Organization failed to make any progress on agreements on trade in services, treatment of investment, government procurement, and intellectual property law. The rich countries, mainly the US, European Union, and Japan failed to persuade the poorer countries, led by Brazil, to discuss these four topics because the rich countries had not followed through on their Doha round commitments to reduce barriers to trade in agricultural products and subsidies to their own agricultural producers.

(In fact, the US had substantially increased subsidies to its farmers since Doha. Canada sits in the middle, with a relatively low level of subsidies but significant tariff barriers on dairy products, poultry, and eggs; it is interested in free trade in wheat but tries to protect significant parts of its agricultural production from US competition.)

It was significant, however, that the poorer countries stood together to oppose the new agenda. The US promptly announced that it would pursue bilateral trade agreements with individual countries, a sort of 'divide and conquer' approach to international trade.

It remains to be seen whether this will be effective in breaking up what appears to be a newly united front. And since the four topics are important components of the proposals for the Free Trade Agreement of the Americas (FTAA), and Brazil grows more confident of its strong bargaining position, the Cancun debacle raises questions for the FTAA as well.

Epiphany about Government Services

These four topics, and particularly trade in services and government procurement, are major elements of a business agenda which focuses on the privatization of government services worldwide and their ownership by multinational corporations. This strategy has been heavily promoted in North America and abroad as a preferred approach to government functions ranging from health care to water supply. The World Bank has been regarded as being in step with the WTO in promoting privatization.

Yet only a week after Cancun, the World Bank has released an extensive report which strongly refutes the one-size-fits-all approach to the takeover of government functions by the private sector.

The report, entitled 'World Development Report 2004: Making Services Work for Poor People' is a comprehensive analysis of the strategies that governments can follow in providing services. It recommends a variety of different approaches, and identifies factors to be taken into account in making choices.

While it identifies some situations as being suitable for privatization or contracting out, it says clearly that the discussion which pits public services against privately provided services is 'a false argument.' 'The private sector, left to its devices, will not achieve the level of health and education that society desires.'

It also clearly identifies a strong role for government in the provision of services - a role that demands a level of sovereignty that would be impossible for a nation bound by some of the conditions found in a typical multilateral trade agreement.

The Millennium Development Goals

The World Bank's objectives are drawn from the Millennium Development Goals:

1. Eradicate extreme poverty and hunger.
2. Achieve universal primary education.
3. Promote gender equality and empower women.
4. Reduce child mortality.
5. Improve maternal health.
6. Combat HIV/AIDS, malaria, and other diseases.
7. Ensure environmental sustainability.
8. Develop a global partnership for development.

And these goals, it says, are basic human rights.

Public Services

The public services with which the World Bank's report deals are water, sanitation, energy (electricity and others), transport (and its infrastructure), health, and education.

These services are clearly included in the WTO proposals for free trade in services (GATS). But their history, says the World Bank report, is 'replete with market failures.'

Factors

Effective, efficient, and fair provision of these basic services is the major concern in developing countries. The report's focus

on services for the poor means that the special problems of many developing countries, including inadequate infrastructure, large-scale illiteracy, ineffective democracy, corruption at both national and local levels, tribal, social, religious, and language divisions, and poverty itself, pose many unique problems.

The most effective approach to the provision of government services and infrastructure to the poor will vary by:

- the nature of the service itself, and whether its effectiveness is easy or hard to monitor
- the effectiveness and organization of the government, and the degree to which it can be held accountable by citizens
- whether national and local politics are pro-poor or pro-rich
- the strength of democracy in government at all levels
- the degree of corruption in government at all levels, and in communities
- the availability of frontline workers (teachers, doctors, nurses, midwives, engineers, etc.)
- the coherence and homogeneity of families, communities, and local governments
- the availability of information, the level of education of citizens, literacy, and freedom of the press

Similar approaches, the report emphasizes, do not always lead to similar results. Nevertheless, the report attempts to set out some principles to guide strategy in providing these services.

Players

The analytical framework of the report centres on three groups: Policymakers (or government, at a variety of levels), clients (citizens, focusing on the poor), and providers (who may be either public servants or contractors).

The report strongly emphasizes that these three players should remain distinct and separate, and sets out desirable relationships between them. These relationships are defined in terms of accountability, incentives, monitoring, and information flow.

It suggests situations which would favour centralization or decentralization, contracting out, scaling up or down, and the use of client power.

It leans strongly to participation by local people and communities, but nevertheless sets out a major role for government policymakers. It then goes on to suggest how to deal with situations in which one or more of these three actors are not competent or are prevented, for some reason, from playing their role effectively.

The report makes a basic assumption of democratic government, but the report does not flinch from suggesting that this might not always be effective, or that the system might be warped by corruption. The cure for this, it suggests, is literacy and a free press, leading to a better flow of information. (Of course, this is not always easy, either.)

WORLD BANK, please turn to page 4

Island Tides

AT FULFORD HARBOUR
OCTOBER

Day	Time	Ht./ft.	Ht./m.	Day	Time	Ht./ft.	Ht./m.
07	0200	8.5	2.6	15	0115	3.0	0.9
	0830	3.6	1.1		0950	10.2	3.1
	TU 1550	10.5	3.2		WE 1440	9.2	2.8
MA 2150	6.6	2.0	ME 1745	9.5	2.9		
08	0310	8.9	2.7	16	0155	3.0	0.9
	0915	4.3	1.3		1100	10.5	3.2
	WE 1615	10.2	3.1		TH		
ME 2220	5.6	1.7	JE				
09	0415	9.2	2.8	17	0240	3.0	0.9
	0955	4.9	1.5		1200	10.5	3.2
	TH 1635	10.2	3.1		FR		
JE 2245	4.9	1.5	VE				
10	0510	9.2	2.8	18	0335	3.3	1.0
	1035	5.9	1.8		1250	10.5	3.2
	FR 1650	9.8	3.0		SA		
VE 2310	4.3	1.3	SA				
11	0600	9.5	2.9	19	0440	3.6	1.1
	1115	6.6	2.0		1330	10.5	3.2
	SA 1700	9.8	3.0		SU		
SA 2340	3.6	1.1	DI				
12	0655	9.8	3.0	20	0545	3.6	1.1
	1155	7.2	2.2		1405	10.5	3.2
	SU 1715	9.8	3.0		MO 2040	7.5	2.3
				LU 2335	7.9	2.4	
13	0010	3.3	1.0	21	0650	3.9	1.2
	0750	9.8	3.0		1430	10.5	3.2
	MO 1240	8.2	2.5		TU 2050	6.9	2.1
LU 1730	9.5	2.9	MA				
14	0040	3.0	0.9	22	0120	8.2	2.5
	0850	10.2	3.1		0745	4.3	1.3
	TU 1330	8.5	2.6		WE 1455	10.5	3.2
MA 1740	9.5	2.9	ME 2105	5.9	1.8		

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2003

Island Tides

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Did something in this edition of Island Tides:

- inform you?
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- amuse you?
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- make you a good contact?
- find you an opportunity?
- inspire you to take action?
- make a conversation topic?
- find you a good buy or a good service?

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Saturna Notes - Priscilla Ewbank

This has been a trying time to be a Haggis Farmer! The pigs are not the least bit daunted by the electric fence and travel the byways of Saturna along with the horses who found a way out of the 'Back 40' and down Barry's logging roads. Good people called me at 1am to say, 'Your horses are out!' So I get up, gather ropes, they whinny when they see me, and we plod home in the warm starry nights, clop, clop, the three of us dozing.

The chickens are in some sort of mad hurry to get fatted up for winter and are in and out of my garden as if it were the henhouse. Between the chickens and deer who are also very hungry, they have dug up or eaten all of my fall veggie babies and many flowers—down to the stone walls.

This arouses tension in me and I manifest it by being testy and throwing things at all of the above God's creatures. Dottie the dog is also anxious but not inclined to chase or molest any of these beasts, which causes her standing in the household to plummet.

Funny, the horses and pigs are dedicated to escaping and the sheep, deer and chickens are relentlessly trying to get in—and all of them stop for a meal in the garden either going in or out!

I am now taking positive steps to alter my life situation. No, I am not shooting them all and leaving them in a big pile—I and the other Haggis farmers, are augmenting and replacing parts of the fence, big time. Personally, I dream of a sort of stockade with sirens and observation turrets—aesthetic westcoast, of course.

It is fruit harvest time. We suffered a bit with the tent caterpillars and the orchard is not as productive as it has been for many years. The pileated woodpeckers, who love the huge King apples that grow at the top of our two old trees, have come dipping and swooping by and landing with loud calls on the nearly empty boughs. I wonder if these guys have calendars and maps or what. At the moment the gorgeous red apples are attracting them like a dinner gong. However, I'm sure they will soon settle for pears!

Super Highway Project!

Saturna has a super highway project—an underpass. Relax! The new culvert on Lyall Creek is the culmination of a 15-year project; in the works ever since the Salmon Enhancement Project got underway.

The huge success of the Salmon Enhancement Project in getting the salmon run started again was the product of the diligent, dedicated, slogging efforts of about six Saturna Islanders. Year by year, Chum salmon started to call Lyall Creek home and return to lay eggs. A problem for the salmon has been the road culvert just above the estuary through which Lyall Creek flows through—it was too high for the returning salmon to negotiate.

Last year the salmon team bucketed and carried the spawning pairs up and around the culvert and released them into the upper creek. The enthusiasm of the salmon group and the excellent salmon characteristics of Lyall Creek have generated much interest in the project beyond Saturna.

The new culvert involves 8 huge square cement casings to be put in place and mortared to replace the metal culvert. The casings are 24" or so below the bed of the creek as they have big cement baffles in them to catch gravel and at stream bed level and themselves form part of the spawning area. For a short way, the upper creek has been contoured and will be restored and the lower

creek is hardly changed.

Mike Jack caught 197 sea-run Cutthroat trout, 37 Sculpins and 8 Coho salmon and removed them downstream before the project began. Tom Rutherford of Department of Fisheries provided funds from the Community Stewardship and long-term chum recovery programs. Sean Wong of Dept of Transportation and Highways provided engineering, the culvert boxes and lots more, and Todd Golumbia of Parks Canada secured funding for the upstream restorative aspect.

This project is a very successful example of community passion linked with great government people who have channeled funding into a big win for the salmon and the small community of Saturna and the larger BC community. The project has generated keen interest and lots of serious onlookers. It has everything, worthy cause, fish, big machines, water, shovels, timeline, challenging problems to resolve, the funds to do a good job and capable, interested people working together. Thanks to Rick Jones, Darrell Jones, Bill Douglass, Sonny Thomas, Mike Jack, Ian Gaines, Brent Sohler, and Terry Danyliw, the people at the heart of the project who are so inspiring.

Celebrating Barbara

The Women's Club and the Saturna Lions helped Jean and David McLean and the Community honor the life of Barbara Landauer with a memorial lunch. Barbara died in August and in her will left money to so that her friends could share a meal, laugh at their memories of Barbara, and raise a glass to a 'Life well lived.' This invitation to the community was such a Barbara action!

Barbara had lots of friends as was evident at the lovely luncheon. There are many funny stories to tell of Barbara, as she was such a remarkable person. Nothing escaped her keen eye, either human behavior or the how and wherefore of inanimate objects. Raised in Yorkshire, England, thrift and an energetic life were her birthright. She traveled all over the world and had friends of all social classes and ages.

Her friend, Jean du Plessis, delivered a wonderful speech about Barbara, talking about the woman so full of enterprise and adventure, the restless soul, who in some ways was lonely and on-the-move, seeking the companionship and friendship that she so often found at our homes and tables.

For many of us she was a woman of adventure, profound accomplishments, high intelligence, simple needs, and stimulating in her life choices. Saturna Island was the home she returned to every time and where her ashes will be spread.

Harvest Celebration

The Saturna Vineyard had their Harvest Celebration September 20th on a gorgeous day. The turnout was the biggest of the five years that they have run it. In fact the only complaints I heard was that it was so popular that people had to wait in line a while.

The band, the Rockin Hoo Doos is always well received, the food was judged to be excellent and there are lots of kid's activities. Kevin Davidson was head chef and lots of hard working staff kept the afternoon moving along. For the last couple of years Saturna Vineyard has made donations to the Saturna Recreation Centre fund.

Don't Forget

Don't forget the first Saturna Arts and Concerts Society presentation, the Bill Hilly Band (see 'What's On?' page 7 for details). Concert series tickets can be bought right now.

SATURNA, please turn to page 7

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Pender water comes from rain, runs downhill Christa Grace-Warrick

must take ownership of its future water management.

Water management, he said, had two approaches, supply and demand.

Supply Side

Showing the first of many visuals, Henderson explained the hydrologic cycle, emphasizing two basics: all our groundwater comes as precipitation, and water runs downhill. The second is an important factor on islands which are basically hills in the ocean. Groundwater, he said, is not only hidden but it moves through rock.

In the case of water available for consumption the water balance equation is $Inputs = Outputs + Change\ in\ Storage$. One inch (25mm) of rainfall gives 17.5 million gallons over 1 square mile. Pender Islands' average rainfall is approximately 31.5 inches (800mm) a year. Only three years have been average since 1925, when records started to be kept. The good news is that theoretically there is enough rainfall to keep the Island well supplied if we and the ground could store plenty of it. In fact about 5% of rainfall reaches our underground storage aquifers.

How Much Do Soil and Rocks Take In and Hold On To?

Groundwater absorption depends on several factors: porosity, the pore spaces between grains of rock; permeability, how well the pores are connected; surface run-off (too much, too fast, on hilly terrain); evapotranspiration (drying out); and vegetation cover which holds on to surface water longer (as gardeners will know).

Pender's porosity and permeability is extremely low but luckily the Island has fractures and faults which provide channels for water to move down through the ground. The

Island also has a lot of water movement across permeable rock lying just above the impervious bedrock level. Pender has ground watersheds as well as surface watersheds. Valleys are Pender's major recharge areas.

We're On Our Own

Henderson points out that the freshwater in the ground lies in a kind of pool above salt water saturation below. He stressed that, wherever you are, if you drill deep enough you will find salt water. There is no fresh water connection between Pender and any other land. Pender's groundwater supply comes from whatever rain and snow fall on the Island. 'Folklore' that our water supply comes from Mount Baker is untrue.

Henderson showed maps and charts of where and how water was stored in Pender's rocks. Most of this information he collected during his first study of Pender's terrain in the '90s. A mapping study of the area was completed in 1989, in Tim England's PhD dissertation at Memorial University.

Much, says Henderson, can be inferred from topology and knowing bedrock types indicates storage capacity. One significant fault, the Pender Fault crosses the Island from northeast to southwest, from Shingle Bay through Port Browning.

Seasonal Rainfall

Our rainfall is seasonal; more in winter than in summer—we get more than can be absorbed in winter and not enough recharge in summer. Dry ground in low rainfall years paradoxically increases the likelihood of run-off.

Rain will run off too-wet and too-dry soil. In spring, the ground may be too saturated to absorb more rain causing run-off, as is often the case in April. Once the ground has dried out—as in September—a lot of rain runs off the compacted soil as there is no available pore space. Gardeners see this after a summer downpour. They dig down and find the moisture has penetrated only fractions of an inch.

GROUNDWATER, please turn to page 8



Jim & Patricia Henderson waiting for test to complete last summer.

Seventy Pender Islanders were treated to an engaging presentation about their Island's water resources on September 20 at the Parish Hall. Jim Henderson, geophysicist from Calgary, visited to present information following his second study on Pender last summer. Henderson's information-packed presentation was based on both his studies.

He began by saying that he objective was to give Islanders information on how the Island gets and stores water. What he had not come to do was to tell Islanders how to manage the resource. He stressed that any community with water concerns



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L Some of the changes taking effect on October 6, 2003:

- Learner stage is now 12 months long.
- Learner supervisor must be at least 25 years old.
- Novice stage is now 24 months long and drivers must remain prohibition free for 24 consecutive months.
- Novice drivers may have only one passenger unless passengers are immediate family (or there is a supervisor of at least 25 years of age in the car).

If you're a learner or novice right now, there is a transition period into the new rules.

The Graduated Licencing Program.
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*Source: ICBC Research and Evaluation (2001) and Corporate Management Reporting Services (2002).

WORLD BANK from page 2

Conclusions

Some of the main conclusions are:

1. Government policymakers must develop and provide the monitoring, information, and reward mechanisms to ensure delivery of services.
2. There must be adequate incentives to front-line staff to do their jobs, and these incentives should be linked to outcomes.
3. The more heterogeneous the client group, the more decentralized monitoring and policymaking should become.
4. If the basic political system of the country is not pro-poor, choose the level of government carefully, and improve the flow of information to citizens.
5. The more it is likely that services will be diverted from the poor, the more important it is that the poor be empowered to design, monitor, and control payment for those services.
6. The time and cost of travel to a distant facility is a greater barrier to the poor.
7. The provision of personal and social services can be rendered ineffective by social and cultural barriers.
8. Don't leave everything to the private sector, because monitoring and information systems won't get much attention; the focus will be on delivery efficiency and profit.
9. Where outcomes are difficult to monitor, providers should be in the public sector.

Final Thoughts

While this report studies and is clearly aimed at developing and underdeveloped countries, the analysis method and strategies suggested could be applied in developed countries, for example our own. Our objective would not so much be the provision of basic services to the poor (though there are places for this), but providing a reasonable equality of services to all. But the analytical approach could still be appropriate. ✓

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THANKS.

This year we experienced one of the most devastating forest fire seasons in British Columbia. In all, more than 250,000 hectares of forest (22 times the size of the city of Vancouver) were destroyed, over 50,000 people were evacuated, and over 330 homes were lost. But out of the ashes, a courageous community emerged. From the firefighters, emergency crews, public safety and Canadian military personnel, First Nations, community and relief organizations, to public servants, businesses, media and the countless volunteers who dedicated themselves to helping those in need. Although it was one of the worst natural disasters in our province's history, it also helped bring out the best. The Government of British Columbia thanks everyone who gave their support.

Exploring Our Intertidal Zone - Julie Johnston, Pat Haugh & Susan Taylor

Limpets—Conical Clingers

Limpets, those little cone-shaped shells found on rocky beaches all over the world, are so powerful that they have given rise to their own expression. 'Stick like a limpet' refers to their ability to adhere to rock with a suction so tight it can take a force of 70 to 80 pounds to remove them. To put that in perspective, in one experiment the necessary force to remove a limpet was about 2000 times the limpet's own weight! Limpets have a powerful muscular foot that is used for locomotion, rippling in a series of wave-like movements, and is responsible for the limpet's extraordinary powers of adhesion.

This primitive marine animal forms its home base by rubbing a shallow hole into a rock with its hard shell and acidic secretions. (We might only see a slight discoloration of the rock face or a tiny depression that exactly fits the limpet's shell shape.) The limpet fits in this hole or 'scar' so well—with the aid, some studies suggest, of a dab of adhesive mucus—that it is protected from predators, storms, strong ocean currents, and the drying effects of sunlight.

Limpets wander the rocks at night (feeding time) but return to their original area each dawn. They have developed chemical sensors for following their own distinctive mucous trail back to the correct scar. This means they usually return by the same route, but researchers have found that limpets are capable of finding their way around small obstacles deliberately placed in their path. Their keen 'homing' instinct was first observed by Aristotle about 2000 years ago. And it turns out that the slime trail also has a fertilizing effect on algae growth, thereby increasing the limpets' source of food. Some species move great distances while searching for food, while others are territorial, aggressively defending their space. Subtidal species are the wanderers; territorial forms are typically intertidal, living wherever periwinkles live.

The shell height depends on the limpet's habitat. Limpets that live in deep water have flattish shells, almost like upsidedown saucers, providing less resistance to the force of the tides. Limpets living in the intertidal zone have more of an upsidedown ice-cream-cone shape that stores seawater so they never dry out.

Limpets enlarge their own shells. Glands around the edge

of the mantle (fleshy folds of the body wall) secrete a 'liquid shell' made primarily of carbonate of lime, which hardens over time. A limpet's home is therefore always the correct size.

Most limpets are vegetarian. Their long, thin, rasp-like tongue or radula, for scraping algae from rocks, is an instrument so effective that researchers have found particles of rock in the stomachs of limpets. Not surprisingly, the 'teeth' of the radula wear out regularly, but are constantly replaced. On feeding forays, the limpet extends its two tentacles in front of its body to find food and warn of enemies.

Limpets are single-shelled mollusks, in the class Gastropoda (meaning 'stomach foot'), related closely to abalone, snails and chitons. There are two basic types of limpet: keyhole and 'true' limpets, distinguished mainly by a hole found at the top of the shell only in the keyhole limpet. There are about 35 known species of true limpets worldwide. In BC, true limpets range from 5/8 inch to more than 2 inches in diameter, while one South African species grows to 6 1/2 inches. Limpets have a life span of 5 to 16 years.

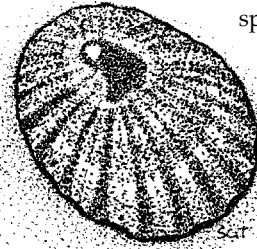
Several types of true limpet are found locally. The whitecap limpet appears pink because it is nearly always covered in pink encrusting coralline algae, which it feeds on. The ribbed limpet has finger-like ribs and a scalloped edge to its shell, which matches precisely the shape of the rock area where it lives.

The irregular radial stripes of the shield limpet form a net pattern on its shell. The Pacific Plate Limpet is named after flat dinnerware for good reason. Both these species exhibit a (painfully slow) fleeing response to escape predatory sea stars and carnivorous snails. Limpets are also preyed upon by marine birds and some small fish.

The Mask Limpet has quite a high shell, and is named for the sometimes face-shaped brown spot on the interior of the shell. This limpet, about 1 square inch in diameter, has been calculated to require a browsing area of encrusting seaweed of 75 square inches each year to survive. Surfgrass, Eelgrass and Seaweed Limpets live where you would expect from their names.

Traditionally, Hawaiians believed that limpets were capable of making fishing safer by calming the surf. They ate them raw, as a sacred food. Aboriginal peoples in BC also harvested

LIMPETS, please turn to page 10



SHIELD LIMPET

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Readers' Letters

Greens On The Go!

Dear Editor:

To set the record straight (see last issue's 'Greens reject merger, but will talk'), the NDP did not support my Citizens Initiative last summer to get a mixed proportional representation electoral system in BC. In fact, they published a brochure opposing it. Nonetheless, we got broad support. 4,000 volunteer canvassers collected 98,165 signatures in 90 days. I believe we prodded the BC Liberals into launching its Citizen's Assembly on Electoral Reform. I have recently re-approached the NDP to work together on the details of a mixed pre-pro system but my overtures have been rejected.

The Green Party wants to work with all parties to get better government and a fairer voting system—mixed proportional representation—where parties get a share of seats in proportion to their share of vote so different political viewpoints get fairly represented in our legislature.

The Green Party will never fold its tent and join the NDP. We have a very a different vision for BC. (See www.greenparty.bc.ca and adriane.carr.ca). In seats like Saanich North and the Islands, the Green Party has the best chance of upsetting the Liberals. All progressive voters should back us!

Adriane Carr, Leader of the BC Green Party

Significant Developments

Dear Editor:

The most significant military development of the twentieth century was the atom bomb; of the twenty-first, the satellite strike weapon. The most significant political development of the twentieth century was the surrender of the international oceans to a nation-state; of the twenty-first, the surrender of international outer-space. The most significant economic development of the twentieth century was the global business conglomerate; the most significant of the twenty-first, the collapse of the free market. The most significant social development of the twentieth century was over-population; of the twenty-first, its reversal.

These most significant developments to date in the 21st century are interrelated. The Satellite strike capability will secure national sovereignty over the space above the United States. The surrender of international near-space to America

will enhance the political power and security of the country. The submission of the free market by American-managed trade exchange will ensure resource and material supply to the United States. Finally, by trade restriction, America will reverse global population growth.

The resulting 'titanium vault' that America is constructing to extend its power and ensure its safety, unlike the Soviet 'iron curtain,' can be removed only by those who constructed it. Physical occupation (liberation) of foreign lands is followed by a policy that foments civil war within them—Palestinians against Palestinians, North Koreans against North Koreans, Iraqis against Iraqis, Afghanis against Afghanis, and in America, Republicans against Democrats. Money is the pus that will fester and poison the North American gut.

Bill Willson, Pender Island

Water Wisdom 'Conversation'

Dear Editor:

It was really nice to see you all again on the weekend. It was a pity that we didn't get to spend more time on the Island but life is extremely hectic at the moment.

There were a few things that I noticed at the presentation that I thought would be worth mentioning. The first is where were the younger island residents?

The second is with regards to George Coates' good wells (see article 'Water Wisdom,' page ?). These are by far the anomaly since most wells produce less than 2 gallons per minute. If the Island were to rely on a few good wells there would have to be significant land use bylaws enacted to protect the land in the vicinity of the wells. These changes will not occur easily as there is no infrastructure in place at present to enable this to occur.

In general the questions were very good, thought-provoking questions which will actually help me in writing my dissertation. I should have responded to the mention of removing the coniferous trees in favour of the deciduous trees that each tree type has conditions in which it is best suited for

LETTERS, please turn to page 11

Ice Bear heads south

Two Ravens Gallery in Crofton will be closed through October as its featured artist, Ice Bear aka Chris Johnston, and his work, goes south in response to an invitation from a Sacramento gallery to stage a major solo exhibition. Ice Bear is best known on the Vancouver Island for his murals in Sidney, and a large sculpture on Victoria's waterfront.

Going to Sacramento with the artist are over 20 artworks, including a dozen originals, hand-finished giclées, hand-



pulled prints, and sculpture.

Titled 'Dreams,' this show includes representational paintings of scenes and places familiar to most Islands' residents, as well as a number of new contemporary aboriginal works created specially for this event.

The newest works have strong connections to his heritage, (Ice Bear is Ojibway), and speak of the the community of man, the need to protect and honour Mother Earth, Freedom, and Responsibility.

His work is found in a number of galleries on the lower island, including Village Gallery in Sidney, and Leafhill Gallery in Victoria. /

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Firechief supports amalgamation of Galiano fire departments

Cees den Holder, North Galiano firechief is advocating an amalgamation of the north and south Galiano fire departments. So far he says, North Galiano Community Association has got a less than lukewarm response from South Galiano Fire Society.

However den Holder believes there are many good reasons for amalgamation that the entire Galiano community should consider.

First and foremost is wildfire. Den Holder points out that though a division into North and South may look logical on a map, this summer's experience of wildfire shows it to be meaningless. 'This year we have seen on our TV screens just how fast a wildfire can move. If it happens on Galiano, everybody on the Island will be involved and everyone will require protection,' he says.

'Every summer is a time of potential danger on Galiano. This summer despite long periods of Extreme Forest Fire Danger, we have avoided the risk of wildfire. There have been a few close calls, but each time word reached the fire department in time, and the danger was averted. One careless

camper, one smouldering butt thrown from a car, could destroy everything we own.'

Galiano, den Holder believes, will be better served by a single fire department, working out of the three existing fire halls as this will raise levels of service while holding the line on costs through:

- maximizing value of personnel and equipment
- improving insurance rating
- strategic location of infrastructure without regard to artificial boundaries
- facilitating coordinated planning and
- reducing overhead through combined resources.

There are precedents for amalgamation, says den Holder. Salt Spring Island merged three departments many years ago and last year the Islands of North and South Pender amalgamated their departments, giving one department with three fire halls. Cees den Holder can be reached with comments, email: adelaarridge@gulfislands.com, fax: 250 539 2977 or by mail: RR#2, Site-46, C-10, Galiano Island, V0N 1P0. ✓



Photos: above Gail Neumann, right Christa Grace-Warrick

'Honest officer, I didn't see the sign.'
Islands' vegetation takes over. Bindweed and brambles take no heed of summer drought.



52 animals seized on Texada Island

BC-SPCA Special Provincial Constables seized 52 animals from a property in Vananda on Texada Island. The investigation was a joint effort by SPCA cruelty officers in the Lower Mainland, the Sunshine Coast and Powell River.

Eileen Drever, senior animal protection officer for the BC-SPCA, says the animals were removed because of distress caused by a variety of health and welfare issues. The animals seized included 25 chickens, four adult Yorkie Terriers and three Yorkie puppies, seven ducks, five pheasants, three parrots, two love birds, one rabbit, one goat and one canary. All of the animals have been transported to the Sunshine Coast for

on-going care and treatment with the exception of the dogs, which are in the care of a veterinarian in the Fraser Valley.

The investigation continues and charges are pending. If convicted, the owner of the animals could face a fine, a jail sentence, or be prohibited from owning animals for a period of time determined by a judge.

The BC-SPCA has seized more than 1,000 animals in cruelty investigations so far this year. Donations to support the SPCA's fight against animal cruelty can be made online at www.sPCA.bc.ca or by calling your local shelter. ✓

SATURNA from page 3

A Wedding Celebration

Saturna had a splendid occasion to celebrate on September 27. Ingrid Gaines and Brent Sohier, who married in Tofino on September 25, celebrated with their home community.

The celebration itself brought together community members to dance, talk, eat and share in the joy and happiness the marriage and the joining of the Gaines and Sohier families. Both families chose Saturna as their home, raised their children through island schools, kept up extended family contacts, and participated in the many traditions, and new interactions of the community. The families are touched and delighted that the new couple have chosen to make Saturna community their own.

We shared in their joy. Such an occasion allows us in our busy lives to stop and listen and remember what ultimately we are about. Ingrid's Dad John said it well; 'My family and my community are the center of my life.'

Festivities and dinner began at Gaines' in the afternoon and by evening time, toasts, speeches and dinner were held on the 'air field' in the warmest fall night

recorded with a gorgeous sunset as the backdrop. John told how he was the first person to hold Ingrid and she won his heart right then and there! He spoke of her many interests and accomplishments. Lynn Sohier, Brent's mother, graciously spoke of her love for Ingrid and her son and her delight in their marriage.



The soft wind, the beauty of the evening and the very many happy people, many of whom had contributed to the celebration, created an occasion worthy of honoring Ingrid and Brent.

The evening finished with a smashing dance at the Community Hall, music by Al Stonehouse, Saturna's own, Mr. Music (who vowed he would only come out of retirement for his own daughter's weddings and Ingrid's)! The wedding was emceed by close family friend, Kelley Stonehouse with a good mix of humor and respect for the occasion.

This celebration highlighted the many qualities of a small community: closeness, an ability to work together and the ability to appreciate the special qualities of each other.

Blessings to Ingrid and to Brent and

all they aspire to. ✓

FUNDRAISER from page 1


'Terminally ill people and their families have physical, emotional, spiritual and social needs,' says Acute Care Nursing Manager, Dawn Nedzelski. 'In order to make our patients and their families more comfortable, our staff wants to achieve, as much as possible, a 'home-like' atmosphere. By doing this, we will assist those facing death, and their loved ones, to devote their energies not to fighting physical discomfort, but to embracing the life of mind, heart and spirit.'

Anyone wishing to contribute to the campaign can mail a cheque payable to the Saanich Peninsula Hospital Foundation, 2166 Mount Newton X-Road, Saanichton, BC V8M 2B2, or can call in their donation on their credit card to 250-652-7531. Donations are eligible for a tax receipt. ✓

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GROUNDWATER from page 4

Land use changes may also increase run-off, such as ditches along roads and across slopes.

What Can the Rocks Hold? Our Underground Plumbing

Pender seems to have captured Henderson's heart as well as his prodigious intellect. He returned last summer to map rocks beneath the Island's surface, in order to know exactly what kinds they are and hence their water-holding capacity.

This was done using seismic refraction tests in strategic sites. Henderson and his field assistant (wife Patricia) strung cables and electrodes along carefully measured sections of Pender roads (in order not to trespass). In a repeated sequence of tests, electrical current was bounced off various depths of rock all the way to the bedrock. The resulting electrical imaging was fed into a computer for later analysis. Henderson is still working on that analysis. It is part of his doctoral dissertation, which he is completing while still globe-trotting in his profession of mineral and oil geophysicist—looking for other resources under the ground. In the next few months he will know more about Pender's rocks as he completes his work.

Demand Side

Henderson went on to talk about factors in water management:

He listed ways of securing supply apart from reservoirs, ponds and wells (commonly used on the Islands): rainwater catchment; water recycling (eg. using 'greywater' for watering gardens); desalination, which requires energy, space and disposal (Henderson says 90% of water in the Middle East is captured by desalination); pipelines, as in the Samoan Islands and as is being implemented locally for Forrest Island; transporting by tankers, as happens on the Islands in the summer (in the Bahamas water is barged in); and fog and dew collection, as has been tried in Chile.

Factors to be considered in any management plan are:

- scientific knowledge of the resource (Henderson suggests it would be silly to make a new community plan without knowing the resources available to the community);
- economics, such as cost of treating and piping;
- legal entities, such as water districts and municipal districts;

GROUNDWATER, continued below

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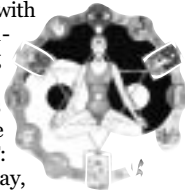
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Saturday, October 11

Blackberry Tea and Harvest Festival—Galiano Club members' homemade blackberry, pumpkin and apple pies; Island farmers' organic produce, jams and juices; brunch, lunch or afternoon tea served • South Galiano Hall • 11am-3pm • Free admission • Info: Ann Hennessy, 250-539-2930 • ON GALIANO ISLAND

Saturday, October 11

Celebration of the Apple at Mayne Island Farmers Market—apple identification, orchard tours, apple harvest dance and talk by Harry Burton plus the usual local produce (veggies, fruit, berries, flowers, plants, lavender, herbs, coffee, muffins, bread, eggs, & chocolate); arts & crafts (jewelry, woodwork, yarn, soap, artwork, greeting cards & accupressure); & a BBQ lunch with music!—thank you for shopping local! • Ag Hall Grounds on Fernhill Road • 10am-1:00pm • Info: Joanie, joanie@gulfislands.com, 250-539-9925, or Tom & Trudy 539-2790 • ON MAYNE ISLAND

Wednesday, October 15

AGM Gulf Islands Branch BC Historical Federation—following reports and election of officers there will be a tour of Lilius Spalding Park on South Pender • Community Hall • 1pm (ferry friendly meeting) • Everyone welcome • Info: Andrew Loveridge 539-2705 • ON PENDER ISLAND

Thurs, Oct 16 thru Wed, Nov 5

Outer Gulf Islands Flu Clinics • PENDER Two Tuesdays: Oct 21 & Nov 4 • 10am-2pm • St Peter's Parish Hall (appointments only, 629-3233) • GALIANO Two Thursdays: Oct 16, 1-5pm, Lions Hall; Oct 30, 4-7pm, Page Drive • (appointments only 539-3099) • MAYNE : Two Wednesdays, Oct 22, 1:45-4pm, Church House, • November 5, 2:45-4pm, lower level, Mayne Island Health Centre • SATURNA Wednesday, Oct 29 • 11:30am-3:30pm • Community Hall (drop-in) • ON GALIANO, MAYNE, PENDER & SATURNA ISLANDS

Thurs, Sat & Sun, October 23, 25 & 26

Gulf Islands Concerts, The Bill Hilly Band—five young men playing 'timeless acoustic music' on guitar, mandolin, fiddle, violin & bass • PENDER: Thurs, School, 7:30pm • SATURNA: Sat, Community Hall, 8pm • MAYNE: Sun, Agricultural Hall, 2:30pm • Info: (Tickets may be available) Pender, Jean Bradley 629-3360; Mayne, Caterina Geuer 539-3508; Saturna, Elizabeth McColl 539-5514 • ON PENDER, MAYNE & SATURNA

Friday, October 24

Galiano Island Concert Society, The Bill Hilly Band—five young men playing 'timeless acoustic music' on guitar, mandolin, fiddle, violin & bass • Community Hall • 7:30pm • Tickets: Galiano Island Books • Info: 539-2458 or 539-3155 • ON GALIANO ISLAND

Fri, Sat & Sun, Oct 24, 25 & 26

Salt Spring Peace Festival—a weekend celebration of the birthday of the UN • Mahon Hall • FRI: 7pm, musical evening; SAT: 10am-midnight, talks, videos, letter writing, displays, info tables, meditation room, evening dance, art display, poetry refreshments all day; SUN: Noon-4pm, guided meditation, music and more • Admission by donation • Info: Cherie Geauvreau 250-537-1027 or Maggie Schubart 250-537-9804 • ON SALT SPRING ISLAND

Saturday, October 25

Allison Crowe Concert—Nanaimo's acclaimed singer-songwriter, recently returned from NYC, with special guests: Stacy Burke, Brittany Woods, Billie Woods, Sarah Robinson, Megan Robinson, Marlies Iredale, Lindsay Bryan and Zoe Guigueno—gospel rock, jazz-grunge, classical-blues, folk-soul • ArtSpring • 8pm • Tickets and Info: 1-866-537-2102 or www.allisoncrowe.com • ON SALT SPRING ISLAND



GROUNDWATER from previous page

- water usage education; and
 - political factors, such as the fact that BC is the only province in Canada that does not have groundwater legislation.
- He named a number of control measures that can be used to regulate the demand side:
- efficient appliances which are energy conserving as well as water conserving (30% saving);
 - water meters which detect leaks as well as water usage (he pointed out that extra energy is required to push water through leaky systems so once again there is double saving);
 - pricing to control usage; Turkey & Spain do this, giving a 15% saving in usage

Issues To Consider on Pender

In constructing a management plan for Pender's water, Henderson could see the following issues:

- many different systems exist for water procurement (one size does not fit all)
- security of supply (Three consecutive years of low rainfall would create serious supply problems.)
- contamination from septic fields and other pollutants (contamination can last several generations)
- salt water intrusion from well draw-down (overheads explained this very clearly).

Questions

An enthusiastic question and answer period followed the presentation. Audience members recounted relevant experiences in other places and asked for clarification of facts and ideas

presented.

Asked about the lack of groundwater legislation, Henderson replied that there was draft legislation on the books, but political pressure was needed. Municipalities were already putting pressure on the provincial government, he added. Legally the province owns all groundwater.

George Coates told of a few 'super wells' that he and others had drilled in the Driftwood Centre / Razor Point Road area, using geophysicists to help them. The area lies along the Pender Fault. One drilled in 1981, Coates said, had a 4-day drawdown test of 185,000 gallons and yielded 100 gallons a minute. He told of Whiterock where the community had bought good wells to ensure supply, suggesting that a similar well purchase could be made on Pender.

Asked about watersheds, Henderson said we had six or seven. However recharge depended on fractures and faults.

An earthquake will have some impact he said but whether advantageous to groundwater supply or not could not be determined.

The afternoon made a very good kick-off to the process of reviewing North Pender's community plan. Islands Trustees, Em Round and Wayne Wright were both instrumental in organizing the meeting. A second in the series 'Creating A Sustainable Legacy For Pender' with educationalist Julie Johnston took place on October 4 (look for article next issue), a third 'What's Worth Saving, Mapping Pender's Special Places' with Jan Kirkby and Ardice Neudorf will take place on October 18, 2pm, Community Hall. /

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Round The Islands

Gillian Allan

My favourite weather—misty foggy mornings that transform into warm sunny autumn days. Just in time for Thanksgiving, these days mean my jars of canning are increasing in number and I can pull out my knitting again. (I can't bear to knit in the summer, but I do spin away in the sunshine!)

We have much to be thankful for here on the Islands, the bounty of our harvests, the strength of our communities and the beauty of our surroundings. Blessings to you and your families this Thanksgiving...

Market Season Winding Down

Thanksgiving signals the end of some of the Saturday farmers markets on the Islands—how I'll miss these lovely social events. I meet so many kind people in market line-ups!

Saturna's open air market (at the new rec centre site) has already come and gone, raising about \$1,000 for the Saturna

Recreation Centre Society. The last market was held on August 30, so you'll have to wait wait for the Christmas Markets in November to shop a Saturna market.

The Galiano market ended at the same time as Saturna and there won't be any more Galiano 'marketing' until next spring. Although I've been to Galiano often, I've never made the market and I hope to visit it next summer while visiting friends there.

Marketers on Mayne have their last chance to go to market on Thanksgiving weekend (the last market celebrates apples too!). I've heard marvelous things about the Mayne market and I keep hoping to pop over via ferry one morning (I'd like to try the chocolate)...I better go soon or I'll miss it!

The Pender market doesn't wind down until the last Saturday in November and there's the Christmas Fair after that. However, now that a lot of the harvest has finished, the amount of produce and nuts available are decreasing. You have to move fast to get prize foodstuffs!

The Ganges market on Salt Spring runs in October until the rain and cold discourages people from coming out. In the summer it's quite a chaotic, bustling market with over 100 booths. I love to visit it when I am biking around Salt Spring with friends and I've met interesting folks there while eating lunch.

Coughs, Colds, and the Blues

I've met lots of people feeling blue with colds lately—its time to strengthen our immune systems. Flu clinics are coming to the Islands (see 'What's On?,' page 7) but if shots aren't for you, its good to be preventative by eating healthy. I'm no expert but my personal trick is to avoid cold foods at the beginning of the day and have a nice hot cup of miso soup with kelp. Here's how I do it: boil water, pour into my favourite mug, add bits of dried kelp and a small teaspoon of miso. You can also add some tofu squares if you want some extra protein and some lemon juice and ginger to help prevent colds.

I've also heard there's some truth to the adage 'an apple a day keeps the doctor away' because apples have antiviral and anti-cancer properties—a good fit for us since there's an abundance of apples on the Islands. Other people have recommended soups with cabbage (to stimulate the immune system and antibody production) and astragalus root! I guess I better stock up on apples and cabbage!

Oops!

I mentioned in my last column that the thrift store on Galiano purchased a defibulator for Galiano's Health Centre. Well, I should have said they *helped* purchase the defibulator—in true Island style, many organizations contributed to the purchase!



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Black Gold—a Series About Oil Blood For Oil—a long history ~ Peter D. Carter

A little history may cast some light on the eagerness of the US and UK to invade Iraq earlier this year. And, in particular, why the staunch Blair support for Bush's war.

Baghdad and Basra are familiar names to the British army. While governments come and go, the army stays on. The United Kingdom is still a monarchy and the memories of Her Majesty's armed forces go back a long way.

In the so-called 'Great War' of 1914-1918, the Ottoman (Turkish) Empire sided with the Germans and Austrians. Since 1534 the Turks had held Mesopotamia, the 'Land Between the Rivers,' Tigris and Euphrates (including present-day Iraq), and they had a firm grip on many of the Persian and Arabian oil fields. Britain wanted that oil for its large navy, with which the British Empire ruled the waves.

But in the first years of the war the Ottomans defeated the British everywhere. In 1916, beaten down by flies and mosquitoes and hampered by swamps, 13,000 diseased and demoralized British and Indian soldiers surrendered to Turkish troops.

At Kut-al-Amara (Al-Kut), halfway to Baghdad, the Turks annihilated the 6th Indian Division. Then they gutted three more British divisions that tried to drive up the Tigris River. These humiliations made the Mesopotamian war a matter of honour for some of the British generals.

'Johnny Turk' had to go, no matter what.

A new British commander-in-chief, Lieutenant-General Sir Frederick Stanley Maude, was brought in, charged with changing the Mesopotamian scene from despair to victory.

The British army had been, since November 1914, in possession of Basra, in the south of Iraq, and held its oil wells. They had also occupied the terminal of the oil pipeline and the refineries on the island of Abadan on the Shatt El Arab waterway, in the southwestern corner of Persia (Iran).

In December 1916, Maude ordered a swift offensive from Basra. British troops crossed the river Tigris, defeated the Turks who had entrenched themselves along the shores, recaptured

Kut-El-Amara and went on to Baghdad, Beersheba, Jaffa, Jerusalem.

Karabekir, the Turkish commander of Baghdad, was

indecisive, which allowed the 50,000 British troops to advance close to Baghdad without suffering heavy losses. Karabekir's mistakes made the defence of Baghdad almost impossible and the Turks ordered a general retreat. More than 12,000 Turkish troops fled. By the time the British entered the city, on March 11, there were only 9,000 Turkish soldiers remaining. They surrendered rather than fight. British troops entered Baghdad on March 12, 1917.

Here is the Proclamation to the People of the Wilayat of Baghdad, which General Maude issued when he took the city: 'People of Baghdad, remember for 26 generations you have suffered under strange tyrants who have ever endeavoured to set one Arab house against another in order that they might profit by your dissensions. This policy is abhorrent to Great Britain and her Allies for there can be neither peace nor prosperity where there is enmity or misgovernment. Our armies do not come into your cities and lands as conquerors or enemies, but as liberators.'

Britain had ensured its oil supply for the Royal Navy, which found a base in Kuwait's excellent natural harbour. (Kuwait-British relations dated back to a treaty signed in 1899.)

The defeat of the Turks meant the end of the Ottoman Empire. World War I divided the 'Near East' among the victors, with the new League of Nations giving Britain a mandate to run Iraq (as well as Trans-Jordan, Palestine and Egypt). The French, who had some claim on northern Iraq, were promised a quarter of any future Iraqi oil revenues. This settlement disappointed Arab nationalists who had hoped for independence in Iraq and elsewhere.

In 1920, a rebellion led by Iraqi nationalists left hundreds of British soldiers dead. It was put down by the British armed forces. Reports included the machine-gunning from the air of fleeing Iraqis and the use of poison gas (the British government later admitted using questionable methods).

Britain installed the figurehead Prince Faisal as King of Iraq. During the Great War, Faisal and his friend, Colonel T. E. Lawrence (of Arabia), had been leaders of an Arab bedouin army that harassed the Turks. King Faisal promised to safeguard British oil interests and he granted large oil concessions to British firms. For that, Britain paid him £800,000 per month. Despite Faisal's Islamic and pan-Arab credentials, however, he was not an Iraqi. As Iraq had never had a king before, nationalists viewed Faisal and the monarchy itself as an illegitimate British-created institution.

In July, 1928, the Iraqi oil business was divided between four companies: the British (Royal Dutch/Shell, and Anglo-Persian, later British Petroleum), the Americans (a consortium led by Standard Oil of New Jersey, or Esso), the French (Compagnie Francais des Pétroles), leaving 5% for a wily Armenian named Nubar Gulbenkian, who had been there first. In 1929 this unholy combination was named the Iraq Petroleum Company.

Running Iraq proved expensive and troublesome for the British, despite the oil concessions. In 1929, a newly elected

British Labour government promised independence and in 1932, it was granted, with Faisal still as king. One year later, Faisal suddenly died.

In 1941, during World War II, Iraqi army commanders staged a coup d'état under the nominal leadership of Rashid Ali al-Gaylani, who was suspected by the allies of pro-German sympathies. In the eyes of London the coup threatened the vital oil supply from the northern Iraq oil fields upon which British warfare in the Mediterranean depended. British and Indian forces landed in Basra and headed for Baghdad. At the same time the British-run Arab Legion marched from Trans-Jordan and attacked Rashid Ali's troops in the West.

The Iraqi army, fighting from behind defense lines organized along canals and fields flooded with water unleashed from tributaries of the Tigris and Euphrates, put up a respectable resistance. They also got support by Italian aircraft. But on May 30, the allied forces scattered Iraqi units on the outskirts of Baghdad.

To avoid the prospects of a house-to-house street battle, British General Clark opted for bluff. An interpreter phoned Rashid Ali's headquarters with exaggerated reports of British strength. The Iraqi leader panicked and scuttled to Persia. The British signed a lenient armistice that allowed the Iraqi army to retain its arms and return to its peacetime garrisons. From then on Iraq cooperated with the allies.

The city of Baghdad was the scene of another coup in 1958 led by General Abdul Karim Qassim, a nationalist officer. He overthrew the monarchy and established a republic. In 1963, Qassim was overthrown by officers of the Baath Party. The Baath Party took control of virtually all aspects of Iraqi society, including the Iraq Petroleum Company. The architect of that program was Saddam Hussein, who officially became president in 1979.

On September 22, 1980, Iraqi armed forces invaded western Iran along the countries' joint border. Iraq tried to seize control of the rich oil-producing Iranian border province of Khuzestan. Iraq's war effort was openly financed by Saudi Arabia and Kuwait, and tacitly supported by the United States. Iraq's international reputation was damaged by reports that it had made use of lethal chemical weapons against Iranian troops.

The war carried on until 1988 when both countries accepted a United Nations-mediated ceasefire.

On August 2, 1990, Iraqi forces invaded Kuwait. Saddam Hussein had complained to the UN that Kuwait was drilling (horizontally) into Iraqi oil wells. When Kuwait called in promissory notes from Iraq, Saddam Hussein declared that Kuwait had become the 19th province of Iraq. In January and February of 1991, a 28-member coalition, including several Middle Eastern states and led by the United States, compelled Iraq to withdraw from Kuwait.

In March 2003, the United States and Britain invaded Iraq, without UN authorization, ostensibly to destroy Iraq's weapons of mass destruction. But United Nations weapons inspectors had already declared that Iraq did not possess nuclear weapons and were coming close to concluding that Iraq had no dangerous stocks of chemical or biological weapons.

The American public was told the war was to protect the US from weapons of mass destruction and to bring freedom and democracy to Iraq. The French opposed the invasion.


'Imagine a September 11 with weapons of mass destruction. It's not 3,000. It's tens of thousands of innocent men, women and children.' -U.S. Defense Secretary Rumsfeld, September 2002.

'I hope the good people of Iraq will remember our history, and not pay attention to the hateful propaganda of their government. America has never sought to dominate, has never sought to conquer. We've always sought to liberate and to free. Our desire is to help Iraqi citizens find the blessings of liberty within their own culture and their own traditions.' --George W. Bush, October 2002

Iraq used only conventional weapons during this invasion, no match for US and British air and ground weaponry. The US and UK had total control of the air and bombarded Iraqi military installations and cities with guided missiles and bombs. The Iraqi troops deserted en masse and little defense was mounted for Baghdad. The house-to-house battle for Baghdad predicted by the Pentagon didn't happen. The city of Baghdad fell on April 9. Saddam Hussein disappeared without a trace, and weapons of mass destruction were not found. The Americans resumed oil export on April 23, though not directly from Iraqi oilfields, which had been badly run down during the nineties, with infrastructure damaged by various wars and by looting after the 2003 war.

The US military command had declared that the invasion of Iraq was to be a war of liberation for Iraqis, and promised an early handover to Iraqi democracy. They are now working hard to resume production from Iraqi oilfields. /

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LIMPETS from page 4

limpets as food, scraping out the foot to eat raw, or cooking the whole animal in a rock pit. In some cultures, limpet shells were used for jewelry.

The tenacity of limpets can be a lesson for us, but please don't test it on the beach, as trying to lift limpets off their rocks can damage their shells. Instead, check out the beautiful designs inside the empty shells they leave behind.

For more information on limpets, check *Shells and Shellfish of the Pacific Northwest*, by Rick Harbo (Harbour Publishing, 1997).

This article is one of a series about the species you might find on Gulf Island beaches. Julie Johnston (writer), Pat Haugh (researcher) and Susan Taylor (illustrator) are members of the Georgia Strait Alliance Straitkeepers, a volunteer group supported by the Pender Islands Conservancy Association (PICA). We conduct surveys of shorelife between high and low tide, to encourage ongoing intertidal stewardship in our community. /

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Heritage forest a month away

Bylaws covering rezonings of two F1 land parcels to Galiano's Heritage Forest (RR/FH) option have now had Fourth Reading, say Galiano Island trustees Louise Decario and Sheila Anderson. (Rezoning of a third parcel is 'on hold' at the moment.)

Each rezoning must be followed by approval of the subdivision by the Ministry of Highways, after which covenants can be registered and the transfer of Heritage Forest land to the Galiano Club can be completed. The first of these two rezonings is expected to be completed in a little over a month.

(A report in the September 25 issue of *Island Tides* was in error in suggesting that the Heritage Forest land would remain the property of the original owner. In fact, title to the FH amenity portion *would be* transferred to the Galiano Club, with the covenant holders to be the Silva Forest Foundation and the Habitat Acquisition Trust. The Rural Residential lots resulting from (RR/FH) subdivision remain the property of the owner.

However, in the case of rezoning to F3, another of the residential options available to F1 landowners, the entire parcel is covenanted to ensure sustainable forestry and forbid subdivision to lots under 50 acres, but remains the property of the original owner.

A third option, rezoning to FLR, is open to forest land owners who register their land with the Province as FLR; this also involves no transfer of title.

All three of these options permit residential use of the land, but only the RR/FH option gives increased density.)

Subdivision Requirements

In order to receive Ministry of Highways approval, the subdivision plan must meet all the conditions set out in the OCP and LUB, including suitable siting of residential lots, water supply, and road access. Also prerequisite to subdivision approval are the signing of a covenant mandating sustainable forestry, and the preparation of a baseline report documenting the present resources and condition of the FH land.

The Galiano Club is now in the process of carrying out a 'baseline survey' on the first of these sites, recording the present condition of the forest.

Following the approval of subdivision by the Ministry of Highways, the final steps, the registration of the covenant and the actual transfer of title to the Galiano Club, can be completed, probably within a month.

Following the title transfer, the Galiano Club will be legally responsible for drawing up a forestry plan for the Heritage Forest land, and for carrying it out.

Current Plans

Under its February 2003 Forest Land Initiative, the Galiano Local Trust Committee has developed a proposed road network plan intended to provide certainty of access to all forest land parcels (some of which are landlocked or accessible only by water). At the same time, the plan aims to minimize the impact of road infrastructure on the Island. A community meeting on August 11, 2003 resulted in useful input to the plan, and it is expected to be presented as a bylaw this November.

Trust staff are now working on a 'template' for future covenants. Another community meeting on September 15th considered the wording of covenants which would describe sustainable forestry. Trustees say they are now working on streamlining and organizing the process so that future rezonings and subdivisions can be processed more quickly. Rezoning and subdividing Forest zoned lots has been slow, mainly because the Galiano bylaws have few precedents anywhere, and the process is complicated. ✓

LETTERS from page 6

growth; biodiversity would also reduce threats of infestation as has been the case in New Zealand.

I can recommend a web site for those interested in water conservation and water saving fixtures. It is www.calgarywaterworks.com. The City of Calgary sends out a little pamphlet with each water bill explaining to residents how they can reduce their bill by taking relatively painless steps to reduce consumption. They have learned that it is easier and cheaper to control the supply available through demand management rather than incur the capital costs of increasing supply.

It seems odd but I always feel quite at home on the island much more so than in Calgary. I hope that Patricia and I will be able to make it back to the island at a time when we can visit people who have helped make our lives richer.

Jim Henderson, Calgary

Ed's Note: The last of Pender's conservation 'conversations' take place on October 18 at 2pm when Jan Kirkby and Ardice Neudorf discuss 'What's worth Saving?—mapping Pender's Special Places.' Come on 'young people' turn out, you'll enjoy it—honest.

Galiano Forest Bylaws

Dear Editor:

In the article on Galiano's Forest Initiative, the article quotes Margaret Griffiths as claiming that Heritage Forest land remains the property of the owner. This is only the case in an F1 to F3 rezoning, not an F1 to FH Residential rezoning. In the Heritage Forest rezoning, the Heritage Forest section is granted to an island organisation selected by the Trust. Currently, this organisation is the Galiano Club, which is to both own and manage the land.

Roy Smith, Galiano Island

Ed's Note: Please see our correction of this in 'Heritage forest a month away,' above. ✓

Finding Your Family Funny Bone ~ Deb DiSandro

Stress in families today is at an all-time high. For parents and children, it seems that laughter and joy has taken a back seat to the 'do it all' and 'be the best' mentality.

In my own home, we found that the pressure to succeed had sucked the fun right out of our family life. So together, we looked for ways to raise our HQ (Humor Quotient). Here are some tips that helped find your family funny bone:

Admit Your Fears and Mistakes

Instead of upholding the illusion of being the Brady Bunch family, we started to talk about our fears and our failings. We discovered that humor often lies in the truth. At a dinner party recently, I admitted to a group of parents that when my seven-year-old puts her tooth under the pillow, she knows it can take anywhere from a week to ten days for the fairy to show up! Laughter filled the room and many other parents confessed that they too had experienced the tardy tooth fairy. During family dinners, my husband and I often talk about the mistakes we might have made at work.

Lower Your Expectations

In our family, we give each other permission to earn a C. That's right, we discovered that sometimes it's okay to be average.

Somehow, we had bought into the idea that if something isn't done perfectly, it isn't worth doing at all. But we learned that we were willing to take more risks and try new things knowing that we only had to earn a 'C.' I've hosted 'C' dinner parties and 'C' birthday parties and had more fun than when I used to strive for an A.

Laugh Now

Too often we say, 'One day I'll look back and laugh about this,' but in our family we've found ways to laugh now. During long car trips, instead of playing the radio, we listen to comedy tapes. Bill Cosby is one of our favorites. His comedy is clean enough for even the youngest tykes. At the library, we take out humor books and joke books. We read the jokes out loud, then see who can guess the punch line. Studies have shown that laughter can decrease levels of stress hormones, lower blood pressure and boost your immune system to help fight off disease. So, go ahead, find your own funny bone, and laugh your way to a happy, healthy family.

Deb DiSandro is author of 'Tales of a Slightly Off Supermom: Fighting for Truth, Justice and Clean Underwear.' (Pelican Publishing \$14.95). ✓

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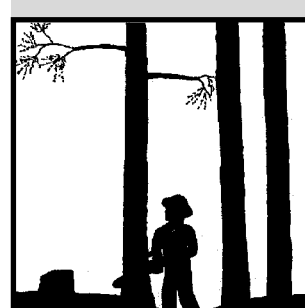
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Life onboard *Osprey*, Pender woman's work-world **Eric Manchester**

The workplace is perilous. The nature of the task is unpredictable. There is no room for the unprepared nor the timid. When these crews race against the clock and defy the elements, they give stricken west coast mariners the closest thing there is to a second chance at life.

The 40ft *Canadian Coast Guard Cutter Osprey*, with its three-person crew, is dispatched nearly every day of the year from its base at Kitsilano near downtown Vancouver, to deal with marine incidents within a 625 nautical-mile territory. Crews handle medical evacuations; aid vessels that are disabled, capsized, ablaze, or sinking; and, transport ambulance crews and police.

When *Osprey* launches, Jamie McNab from Pender Island is one of the rescue specialists suiting-up. Her duties include handling the dangerous outside deck work, fire-fighting, taking turns piloting *Osprey*, scrambling aboard distressed vessels and giving medical aid to victims.

Perhaps McNab's seagoing career is no surprise considering that she spent her teen years travelling to school by boat, and, chose the Coast Guard for her senior year work-experience.

Having a boat-designer father, and family sailing for two months each childhood summer also influenced her choice of vocation. 'My high school work-experience really hooked me on the Coast Guard,' says McNab, 'It was a great program.'



CANADIAN COAST GUARD CUTTER OSPREY

For the first four years of McNab's Coast Guard career, she mainly crewed aboard 187ft CCGS *Bartlett* re-supplying lightstations, repairing five-ton buoys, and handling long-range search and rescue missions.

During her time aboard *Bartlett* she participated in what many rescue specialists consider the most frustrating and distressing of all incidents—an unsuccessful attempt to save a life. Near the north end of Vancouver Island a recreational diver was lost and McNab's three-person crew was called to the scene in the ship's open, high-speed response craft—in 25-knot winds and lumpy seas. 'As we arrived, he was being pulled from the water and was unresponsive,' recalls McNab, 'We took him aboard our boat and two of us took turns giving him CPR for the hour it took us to speed to Port Hardy, but he was dead on arrival.'

During 2003 McNab joined CCGC *Osprey's* crew, which stands by ready to launch on a moment's notice. *Osprey's* call-outs now are

about half of what they used to be, generally believed to be the result of more readily-available commercial assistance, and, better technology aboard boats. But, the fewer calls remaining are the more serious in nature. Broken down vessels still top their list of call-outs, followed by people in the water for a variety of reasons. Most gruesome of *Osprey's* incidents are bridge-jumpers and body recoveries. Fortunately for the crews involved there is a program of critical-incident stress debriefing; and psychological and peer counselling available to rescuers for as long as they feel the need for it.

Due to the Kitsilano base's location within a high-density urban area, McNab works with a broad range of municipal, provincial and federal agencies including various city police and fire departments; RCMP; Coast Guard Auxiliary; harbour patrol; and, emergency health services. Also, as a consequence of its location, the 13-person 'Kits Base' gets walk-in customers from the parks and trails seeking medical aid, reporting their observations of things gone awry on the water, and turning in expired flares.

One of *Osprey's* more unusual tasks occurs during annual fireworks displays in Vancouver's English Bay. Then, its crew coordinates myriad on-the-water resources attempting to safely corral the spectator fleet of some 1,000 anchored

or meandering kayaks, party-boats, cruisers, sailboats and runabouts. Amidst the aroma of barbecuing steaks wafting from the crowd, *Osprey* hails, instructs, and in some cases cuts-off-at-the-pass errant boaters unaware of, or unconcerned about, the safety boundaries established for that night's extravaganza. 'I'm surprised at the lack of common-sense shown on the water', says McNab, 'Boating safety education is definitely needed.'

Vancouver-built *Osprey* is an aluminum search and rescue craft with a deep 'V' planing hull. Twin turbo-charged diesels provide 760 horses to propel the craft at 26 knots. Highly manoeuvrable, it officially is described as being suited for all-weather response in sheltered waters. But the fierce winds and savage seas blowing in from Georgia Strait often transform *Osprey's* home waters into a cauldron that is anything but sheltered.

Twenty-four hours per day, in fair weather or foul, *Osprey*, McNab and her crewmates are poised to take flight—prepared for the grimmest but hoping for the happiest of tasks.

Budget to fight forest fires slashed, says Carr

Adriane Carr, Leader of the Green Party of BC, asserts that the BC Liberals, through their cuts to fire-fighting budgets, have failed to act with due diligence and have knowingly placed BC at greater risk of catastrophic fire.

'The Liberals should be honest,' says Carr, 'and tell people that they've slashed the budget to fight forest fires despite the fact that climate change has brought us some of the warmest, driest years on record.'

The Liberals had in their hands the 2001 report by the Auditor-General, Wayne Strelieff, noting that emergency planning is in a poor state in BC and there is inadequate training, equipment and emergency plans to fight fires.

Knowing this, in the 2003-04 budget, the Liberals reduced the budget for fire preparedness from \$45,712,000 to \$37,161,000, says Carr. This budget supports the infrastructure, personnel, equipment and supplies required to maintain a consistent state of readiness to control and suppress wild fires. 'Taxpayer money is not best spent on a costly public inquiry into the 2003 fires, but on fire and emergency preparedness and better forest management that will help for 2004 and beyond,' says Carr. 'Over 50 years of

inappropriate government forest policy, including clearcutting and fire suppression in the interior fire forests, have contributed to the fires of this summer,' she says. 'Let's also make sure habitat restoration on fire-burned slopes is done with locally suitable native plant species.'

Furthermore, she claims, the BC Liberals are also diverting monies raised expressly for fire services and the Fire Commissioner into general revenues. Currently over \$100 million a year is collected on a 4.4% 'Insurance Premium Tax'—a 'fire services' tax paid on all vehicle and property insurance premiums. 'This money should be reallocated in its entirety to the Office of the Fire Commissioner and used for local training and fire preparedness,' says Carr.

'The people of BC deserve the truth from the Liberals in terms of the risks they have taken. Just as Mike Harris foolishly risked public safety by cutting costs in testing of drinking water, the BC Liberals gambled on cutting fire preparedness budgets and lost. The tragedy is that people have lost homes and jobs. It is unacceptable for the BC Liberals to gamble with the safety of British Columbians,' concluded Carr. /



Photos: Jason Manchester

Jamie McNab handles electronic charting during *Osprey* patrol.

Pender women win in golf championship

Three teams (pairs) from Pender Island (Lynne Rippon and Jeanne Scott, Lorna Dreher and Isabel English, Ilona Ohlmann and Donna Smyth) qualified in the opening round of the 55th Annual Ladies District 1 Foursomes Championship held at Gorge Vale Golf Course on September 19. They were three of 80 pairs who went on to subsequent rounds which were played on Vancouver Island at Cowichan Golf Club (Sept 22), Royal Colwood (Sept 23), Olympic View (semi finals Sept 25) and Uplands Golf Club-finals (Sept 26).

Lynne Rippon and Jeanne Scott were among the 40 players who went on to the final round at Uplands and here they successfully competed against the team of Woodland/Hill capturing the title for Flight #5. Congratulations Ladies of Pender! /

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