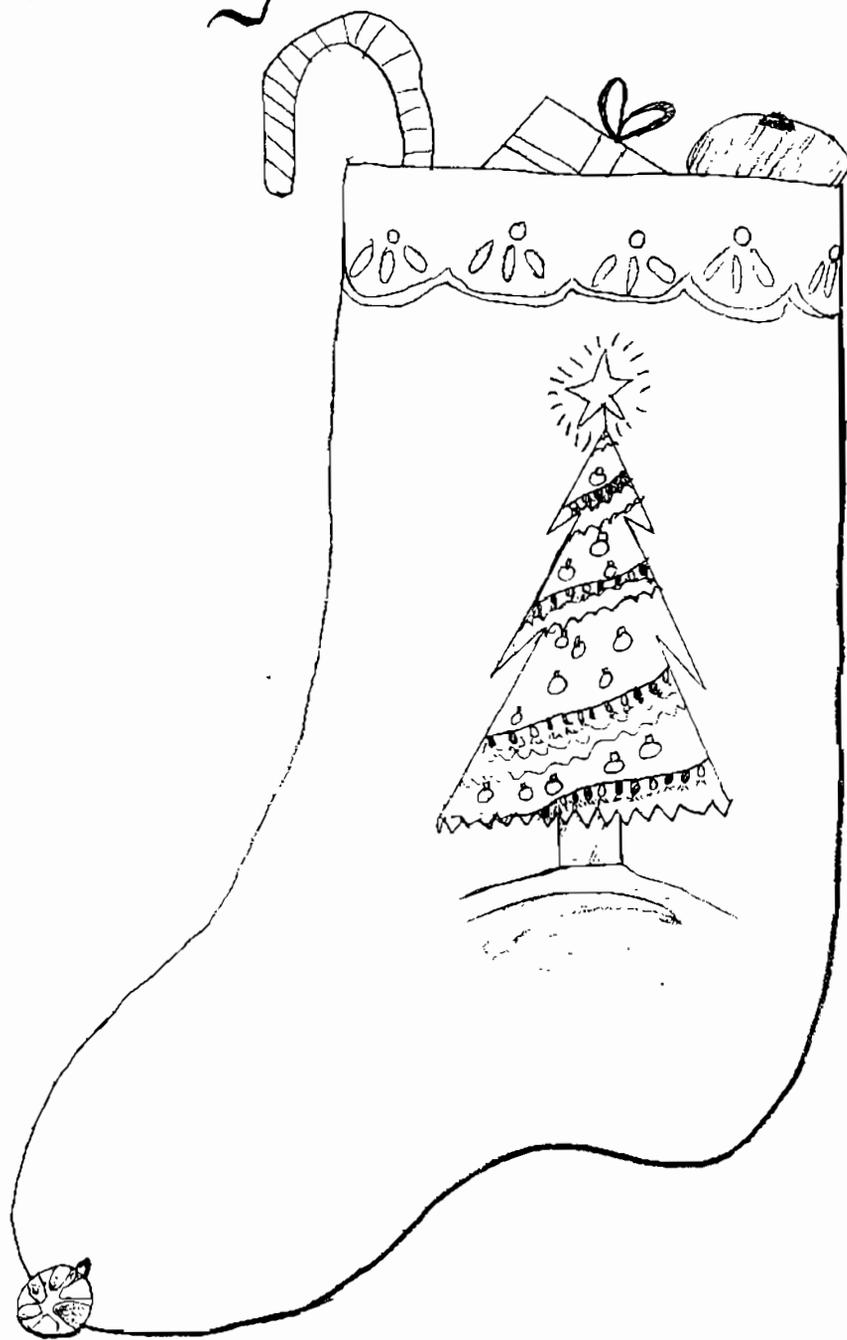


Vol. 1 No. 6 Bamfield Dec. 93 - Jan. 94

Community 'n' School Newspaper



Peter Crocker

By
Peter Janitis

Mother Nature in November throwing everything at us that is in the bag, except snow, although it was very close on the 21st. We had 13 days without measureable precipitation, which for November is rare. Altogether for the month we had 222.6 mm of rain (8.76 in.), well below the Nov. average of 15.6 in. So far this year we have had 75.49 in., compared to 93.25 in. this time last year.

Twice we've been the hot spot for the whole country! 11.7°C on Nov. 9th and 12°C on Dec. 1st. However, we also had 10 days with freezing temperatures.

Max temp.	15.0°C	Nov. 3
Min temp.	6.0°C	Nov. 23
Mean max.	9.5°C	
Mean min.	1.8°C	
Mean temp.	5.6°C	



*** TO OUR READERS ***

Seasons Greetings. Our gift to you is a good read. Hope you enjoy this issue. We'll be taking a break in January, but by the 28th we'll be hard at producing a paper for the first week of Feb. with a focus on Bamfield's Heritage. The more articles the greater the pleasure for us all.

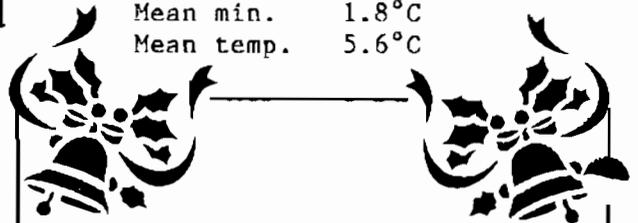
Thank you for your support and Merry Christmas from the newspaper Mums and kids.

Editor: Cate Weir
Advertising Editor: Agnès Caravati



Subscriptions

for out of town
friends + relations
we'll put them on
our mailing list for
a small donation.



New Year's Eve Dance

at the
Community Hall

Friday, Dec. 31, 9 pm. - 2am.

tickets \$10.00

★
buffet at 10 pm. ★

MERRY CHRISTMAS
 and
BEST WISHES
 for a
HAPPY NEW YEAR
 to everyone
 from **Dave & Lorraine**
Hegstrom



B.V.F.D. Women's
Auxilliary

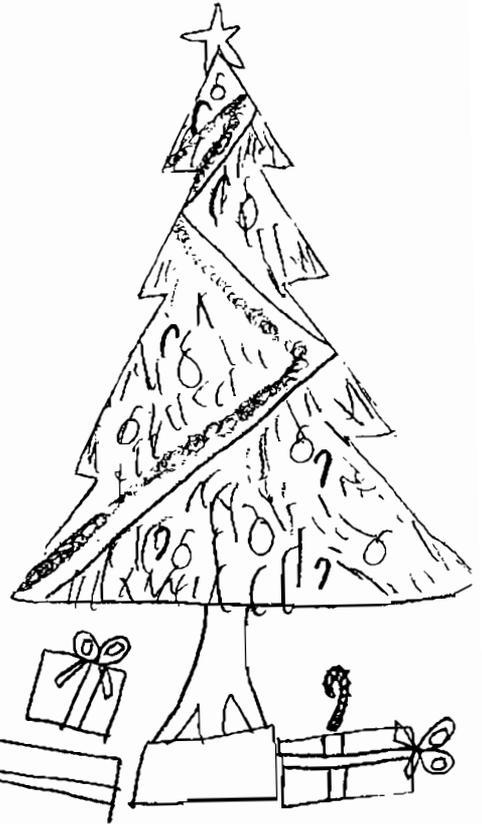
would like to announce
 the raffle winners , drawn at the
 Christmas Crafts Fair

The Community Quilt was won by
 Brian Stancil of Victoria

The Gingerbread House was won by
 Jimmy Cook of Anacla

CONGRATULATIONS TO THE
WINNERS

and many thanks to all of you who
 participated, we appreciate your
 support



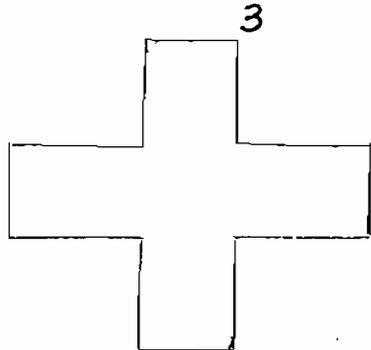
Weather McLeod



MISSING

4 large stainless steel
 bowls from the
 Community Hall





RED CROSS CARNIVAL 1993.

THE BAMFIELD BRANCH OF THE RED CROSS SINCERELY THANKS THOSE WHO DONATED RAFFLES, OTHER PRIZES, AUCTION GOODS; THOSE WHO HELPED IN THE KITCHEN, HELPED SELLING RAFFLE TICKETS, SIDESHOW OPERATORS, THE AUCTIONEER, RUNNERS + CASHIERS, AND ALL THOSE WHO CAME OUT TO SPEND MONEY + JOIN IN THE FUN! AND THOSE WHO GAVE MONEY DONATIONS.

RAFFLE WINNERS.

MYSTERY	DONATED BY SHEILA CHAMBERS	- ALEX CAMERON.
MONEY	DONATED BY BREAKER MARINE, GENERAL STORE + LINGFISHER	- BERNICE STEWART, CONNIE WOODHOUSE
HAMPER	DONATED BY KAMSHEE STORE	- CARL OSTROM.
BOTTLE	DONATED BY ANDY SPENCER	- EBBA JENNINGS.
HONEY	DONATED BY AUDREY BAYLEY.	- CARL OSTROM.
GASTANK	DONATED BY OSTROMS 93 + VICK'S.	- DOLORES BOWKER
CAKE	DONATED BY MARIE OSTROM	- EBBA JENNINGS.
FLASHLIGHT.	DONATED BY J. HEGSTROM'S.	- ANNIE COMEAU.
POTTERY BOWL.	DONATED BY EBBA JENNINGS	- ROSE CHARLES
COMFORTER + COTTON CASE.	DONATED BY J. GARCIAS.	- MICHAEL HAWKINS. E. SCOTT.

CRIB TOURNAMENT.

1ST. SID BAKER. RUNNER-UP - BILL MATHER.

PLAQUE DONATED BY BAMFIELD MARINE STATION. PRIZES - TYEE LODGE.

REVENUE 1597.65

EXPENSES 405.36

1192.29

392.00

800.29

earmarked for B/P CAP + STETHOSCOPE FOR OUTPOST HOSPITAL.



In Memoriam



by Ebba Jennings

Johnny Schnarr - a former resident of Anfield passed away at his Esquimalt home Nov. 7, aged 98 years. He fished out of this community and Barkley Sound for about 25 years. 'El Joe' and the 'Margaret N' were his boats and the " Bluff " was his favorite fishing hole. His first home was the island in Grappler, now owned by the Gisbornes'. The second was the house by the school float now owned by the Chambers, where he was able to have a good garden. His wife Jo will be remembered for some of the lovely stuffed toys she made for community fund raising events. One in particular, is a brown Dachshund - now ancient, but not tattered or torn!

Johnny was also known as one of the best of the "rum runners" during the prohibition days of 1921 - 1933. He started out with a 28 ft. boat, with an unreliable engine heading from Vancouver Island to San Francisco. Off the Oregon coast he was shipwrecked, with a cargo of 125 cases of liquor. Undaunted, he acquired and built other boats, each one faster than the last, to outwit the U.S. Coast Guard and Customs. They in turn had to build other boats, but somehow, Johnny's always was the fastest.

The book "Rum Runner" written by his niece Marion Parker and Robert Tyrell, is an interesting and true story, which he gave them at the age of 95, from his memoirs.

He was predeceased by his son, as well as his wife, and is survived by his niece and her family. Once again it's farewell to one who was once a part of this community.

May he rest in peace.

The community has just learned of the passing of Margaret Reed Turvey, of Port Alberni. She will be remembered as a summer visitor - resident - at Brady's beach and the little cottage known as "Reed Hollow". She nursed both husbands through their lingering illnesses from her home in Port Alberni. Where now friends have cared for her during her recent battle with cancer.

She leaves to mourn her passing, her son, Edmond and family, and to them we extend our sympathy.

As yet, nothing is known of the funeral arrangements, as Edmond is away on a cruise ship. Stella McMillan, of Port Alberni, who phoned of her passing, hadn't any other information.

Community Hall News

Eileen Scott would like to thank everyone for supporting Regal this Christmas. The money raised will go towards Santa's goody bags, to Mary . Scoley's Bible group's Christmas party, to the U.C.W. and to repair the Hall's VCR.

*** REMEMBER ***

Dec. 11th, 7:30 pm, Hall Members' Xmas Party.



Thank You

To one and all under the leadership of Eileen Scott, the Bamfield Community Hall Society and Friends, I would like to extend a deep thank you for that indescribable party on Thanksgiving weekend. To those who were present, those that came a distance, and to those who sent messages and cards, it was indeed heart warming, and a complete "surprise".

Each time we sit on our retirement benches, we will remember- not just the party, but the many, many folk, young, old and not so old and those who have gone before us. Each and all have played a part in our lives since we took over the running of the business, upon the passing of our parents in 1944 & 1945.

As we commence to close out Ostroms Machine Shop Ltd., that our father started in 1922-23, we also extend a thank you to all former employees, Delores Tennant in particular and the customers who have stretched the length of this and the north coast.

To all we extend our greetings for the festive season and good luck in the New Year, with support to the new Ostroms 93 at the pumps, dock and shop, and to Vick Enterprises in the store.

Leonard & Ebba, Roald & Nan
Carl & Marie
for
Ostroms Machine Shop Ltd.

CHURCH NEWS

Our new minister, for those who haven't met him, is Rev. Marvin Fowler, who commutes from Shawnigan Lake.

DECEMBER SERVICES

11th - 10:30 am

19th - 4:30 pm Candlelight service and coffee hour

24th - Christmas Eve - Last candle of Advent to be lit - brief Christmas Carols and snacks before - weather permitting - carolling by boat, otherwise all in the church hall.

25th - No service

January 1994 services will be posted.

The U.C.W. extend their thank you for the recent Potluck Supper and Christmas sale, and also those who surprised us with their musical talents.

Approximately \$429.00 was raised.

The Bamfield United Church gives thanks to all who gave their support, time and energy during 1993.

May Peace & Goodwill be unto all this season and in the New Year.



6

Best of The Season to all from the Bamfield Arts Council !!

Global Art Project

March ~ April 1994

The Global Art Project (GAP) will connect people around the world who choose to create and share a vision of global unity.

CREATE by March 1994
a work of art expressing your vision of global unity.

DISPLAY: April 1 - 22, 1994
The art will then be displayed at the N.A.C.

EXCHANGE: April 23 - 30, 1994

GAP will then organize a world-wide exchange. All at once, around the world, the visions of global unity will be travelling from one person to another -- visions of unity simultaneously encircling the globe.

Entry forms and buttons will be available at the N.A.C. for a donation of \$1.00.



Christmas Craft Fair

This year's Craft Fair had a beautiful array of fine arts and quality crafts for sale. A BIG Thank you to Hedy Demontigny and Dawn Renfrew for organizing this successful event.

As one busy and productive year come to an end we anticipate an exciting and prosperous new year. Look for more information in our upcoming newsletter, copies available from Marjorie Mick 728-1273.

Arts Fest '94 is in the planning stages, the time and place have been set for July 16th and 17th on the Coast Guard lawn. With more time for planning this year we hope to attract artists from the outside world. Let's make our next Arts Fest bigger and better than last year. Anyone with energy and ideas wishing to help organize the festival please come forward! Call Kath 728-1281 or Lori 728-1269 if you want more information or wish to book a table.

In the new year we'll be offering a variety of workshops: Relexflexology, Herbology, Photography, Writing, Cooking, Stained Glass, Glass Fusion & Nautical Knots. What else are you interested in learning about? There are some people interested in meeting on a regular basis to do some Life Drawing with a model, call Lori if you would like to join in this activity or can offer a location to do this.

If you are looking for gift items that support local endeavors we have T-Shirts, Nautical Knots for the tree, and Gift Certificate Memberships for sale. Call Kath at the above number.

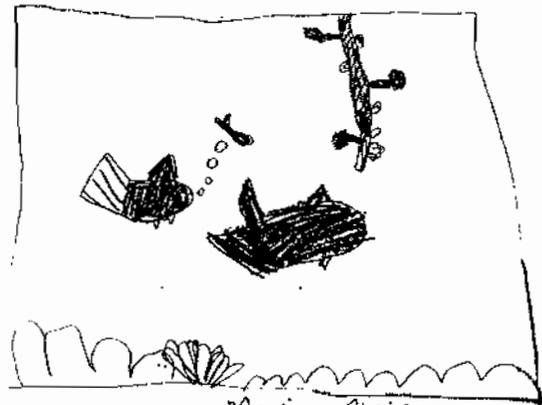
The next Bamfield Arts Council meeting is at 3:30 December 22nd, at Kath's house, please come out and support the Arts.

We made sea stories. This is a diver



James Christie

see me by coral reef AND OCTOPUS



Marie-Claire



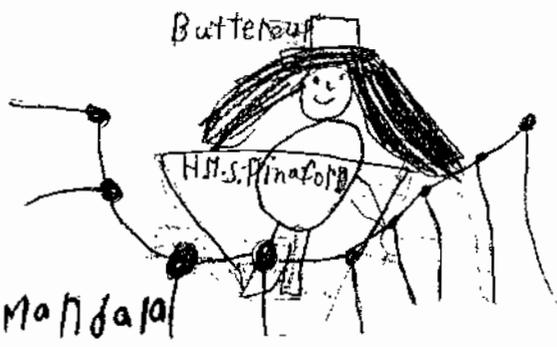
Ben Bozak



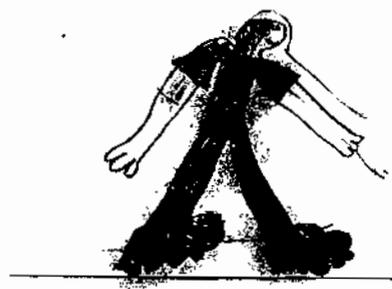
Primary Class News

We went down to the dock with Kitty to check our dock rope. We went to the Marine Station and met Anne. We touched sea urchins and other marine animals. We saw an octopus squirt ink. We saw a trout.

Some people went to Port Alberni on the Bamfield Express, and some went on the bus. We saw the H.M.S. Pinafore. The Gros Twos went roller blading. Alwyn and Marie-Claire did too. The rest went to Safeways. We saw them cut meat. We walked in the freezer. We saw them decorate a cake with Barney on it.



Mandala



Claire Carion

Name Cora Leach

Christmas

Rudolph red nose

bells holly tree

Kris Kringle

Christmas

Name Shannon

Christmas

bat Jesus

tree Rudolph Mary

Present Star

Christmas

Primary

Name Julian

Christmas

holly Stocking

tree bow bell

all candle

Christmas

Name Kirsten

Christmas

Kris Kringle bells

Jesus presents snowflakes

Rudolph tree

Christmas



H.M.S. Pinafore



performed by the Vancouver Opera Touring Ensemble

* Reported by the Intermediate Class *
Written by Agnes Caravati

Well, November 18th was a very special day for the children of primary and intermediate classes of Bamfield. Most of the pupils and parents got on a great big school bus, excitement was in the air and the singing made the trip to Port Alberni quite quick. Most of the children were surprised by the size of the school (A.D.S.S.) and the crowd of children and busses there (most of the schools from this district came to this event).

The theater was impressive and every seat was occupied. With the whole stern of a sailing vessel, sail and all the rigging, the set looked very authentic. Everybody was seated, the room got dark and spotlights splashed on a great lively stage. The four characters took us back to the early 19th century in a sailing race from Victoria to Maui. There was Captain Corcoran (Baritone), a little eccentric and father of Josephine (Soprano) the bosun of the ship, Ralph (Tenor) a young sailor who falls in love with Josephine, Buttercup (Mezzo-Soprano) ship's cook, a woman of many talents with a well travelled past. Buttercup possessed a secret that involved both the Captain and Ralph which eventually resolved the love story between Ralph and Josephine.

The characters acted from in the vessel, ducking out of the way of the boom and sail, moving in rhythm with the songs and swaying "waves". The 45 minutes were very entertaining and well adapted for a young audience. This Gilbert and Sullivan opera was first produced in London in 1878.

The day wasn't over, the K's and Grade 1's made their way to Safeway for a "behind the scenes" tour. They saw the bakery with the rotating ovens, the huge amount of bread and buns being prepared all at once, the produce department, they walked through the freezers and ended up at the meat section where a machine was in operation that weighs, packages, and prices the meat. At the end of the tour, the friendly staff gave everyone a bag full of goodies and a colouring book.

While that was happening, the rest of the students went to the Glenwood Center for roller blading. For a bit of fresh air the children raced around the racing track, which was a novel experience for most students. After scoffing down their lunches they quickly got on the rink, teachers, students, parents and all. Most children were doing much better than the adults! Some got sore behinds, some were more reserved and used aid bars, but all in all everyone had a terrific time.

At 1 o'clock the bus was there to pick everybody up, the Kildonan children and parents got dropped off at the Harbour Quay to catch the Bamfield Express boat home. The ride back to Bamfield was quite subdued, some children even managed to have a sleep. This field trip was a lot of fun and we are hoping to do it again soon. The Vancouver Opera invites the students to submit colour drawings or paintings of a scene or a character from Pinafore. Put name, grade and school clearly and there will be a draw in May. The winners will receive a musical prize.



Address: Art Contest, Vancouver Opera,
Ste. 500-345 Cambie St.,
Vancouver, B.C.
V6B 4Z9

WANTED!

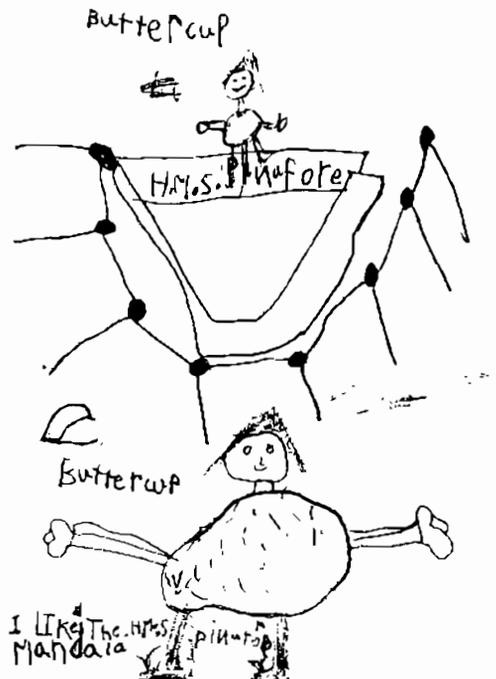
Do you subscribe to:

**National Geographic
Equinox
Harrowsmith
Beautiful B.C.
Canadian Geographic**

The school would greatly appreciate donations of any of the above mentioned magazines as resource material.

Do you use a polaroid? their film packs are valuable! For every 10 "proofs-of-purchases" the school can receive a polaroid camera. FREE! Thanks to Linda Mures who has offered to co-ordinate the collection of film packs and donate cameras to the P.B.C. Polaroids can be excellent tools in the classroom or, alternatively, can be auctioned or sold at fundraisers. If you have any, drop them off at the Post office for the school. Thank you.

H.M.S. Pinafore



P.A.C. News



Happy Holidays
to the
Students and Staff
at Eric Godson Elem.
from the
Parent Advisory Council

Good Luck in the City!

Goodbye and good luck to Putri and her parents, Lucy and Han. We look forward to seeing you again in the spring!

Colorful Scraps Needed

Do you have any odd bits of yarn, ribbon, wool, fabric? Please send them to the Primary Class. Thankyou!

Eric Godson Memorial School Christmas Concert

Tuesday, Dec. 14th
7 pm.
at the
Community Hall

Watch for Santa!

Like to listen to a child read?

Want to help a child learn their times tables ?

The teachers at Eric Godson Elem. would like to extend an invitation to everyone in the community, interested in volunteering some time in the classrooms. Whether it's half an hour on mail days, or ...

The PAC is co-ordinating a schedule for Community School Helpers in the New Year.

Primary Class (Gr. 1 & 2)Velma Huber
mornings
Mon.- Fri. , especially
9 - 9:30 for reading

Intermediate Class (Gr. 3,4 & 5)
am. Pat Lindsay
Mon. - Fri.
9 - 11:40 reading
& writing skills
pm. Bruce Wallace
Mon., Wed. & Fri.
12:30 - 1:30
Spelling / Math

Senior Class (Gr. 6,7 & 8)
Jennefer Byrne
Mon. - Fri. mornings
9 - 10:20 Reading &
Writer's Workshop
10:40 - 11:40 Math
Fri. pm. Art class

If you have any questions, feel free to contact any of the teachers, or myself, Cate Weir at 728-3352 or 728 - 1212.

SENIOR CLASS NEWS



What's All This Fundraising About?

As you may have heard, the senior class is planning to take a cultural field trip to Vancouver, in May '94. We have been frantically fundraising since September, trying to maintain our goal of 1 event per month, in order to raise the approximate total of \$4,000.00.

The students have been very successful raising \$2410.10 so far with the bottle drive, Harvest Dinner, Flea Market and Christmas Craft Fair. Thank you to all who have generously donated time, energy and money to our goal.

Speaking of our goal, some of the events we hope to take in while in Vancouver will be: Science World & Omnimax Theater, the Museum of Anthropology, the UBC Geological Museum, Vancouver Art Gallery and the Planetarium.

The students (and myself!) are very excited about this trip. They have worked positively and cooperatively together to come as far as we have. I am sure this is going to be a fun, educational trip that will long be remembered.

I'll keep you informed as more details such as travel and accomodation are finalized.

Again, thank you for your support.

Ms. Jennefer Byrne

Over the past month or so, the senior class has been testing the quality of the Bamfield, Anacla and Kildonan tap water. We tested the pH and hardness condition, as well as the levels of chlorine, copper and iron. The results of our tests were very positive!

To test our water we used the same safe and accurate methods that qualified water treatment specialists use when testing. The tablets and instructions were ordered through a science catalogue at the school.

Summary of results are as follows:

TEST	BAMFIELD	ANACLA	KILDONAN
pH	pH 6.5	pH 7	pH 7
CHLORINE	SLIGHT TRACE	SLIGHT TRACE	SLIGHT TRACE
IRON	NO TRACE	SLIGHT TRACE	SLIGHT TRACE
COPPER	NO TRACE	SLIGHT TRACE	SLIGHT TRACE
HARDNESS	SOFT	SOFT	SOFT

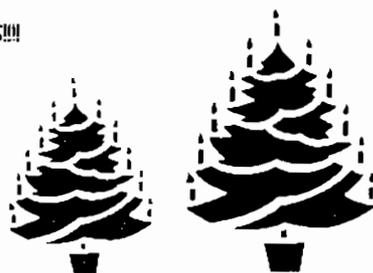
What does all this mean?

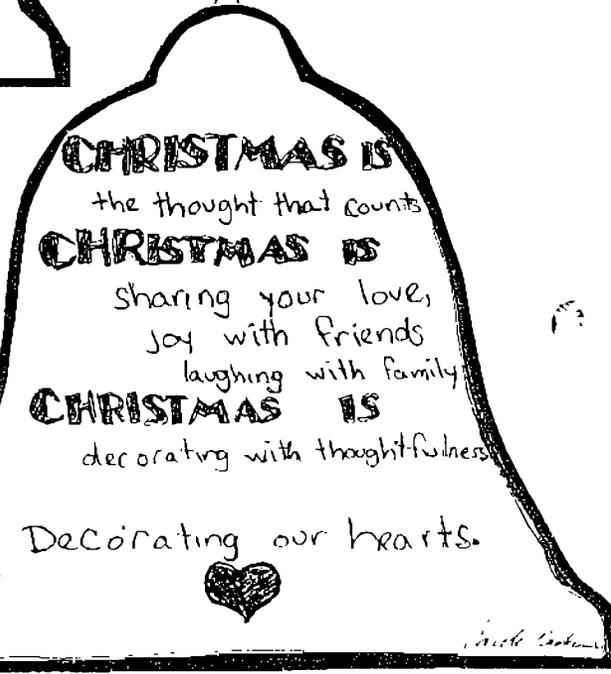
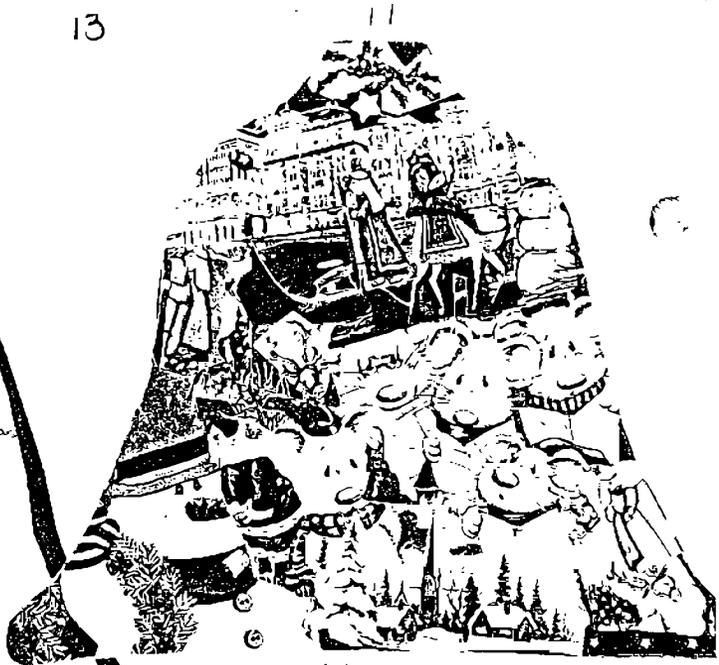
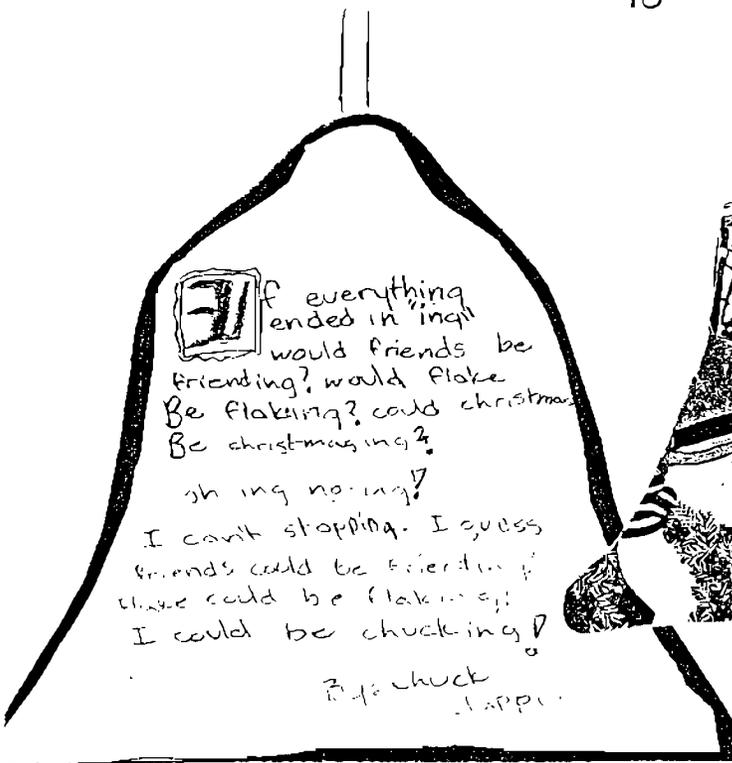
A neutral pH is 7. This means our water is neither acidic (low pH and corrosive to pipes) or alkaline (high pH and may build up scale in our pipes). The pH scale ranges from 0 to 14. Slight traces of chlorine, copper do not harm animals and plants or leave stains in our sinks and tubs. Copper and iron occur naturally in our water. Soft water means there are low levels of calcium and magnesium minerals in the water. These occur naturally.

We found through our tests and experiments that Bamfield, Anacla and Kildonan all have safe, healthy drinking water.

The Senior Class

HAPPY HOLIDAYS!!!!





Christmas is giving, sharing,
Loving

Giving from the heart

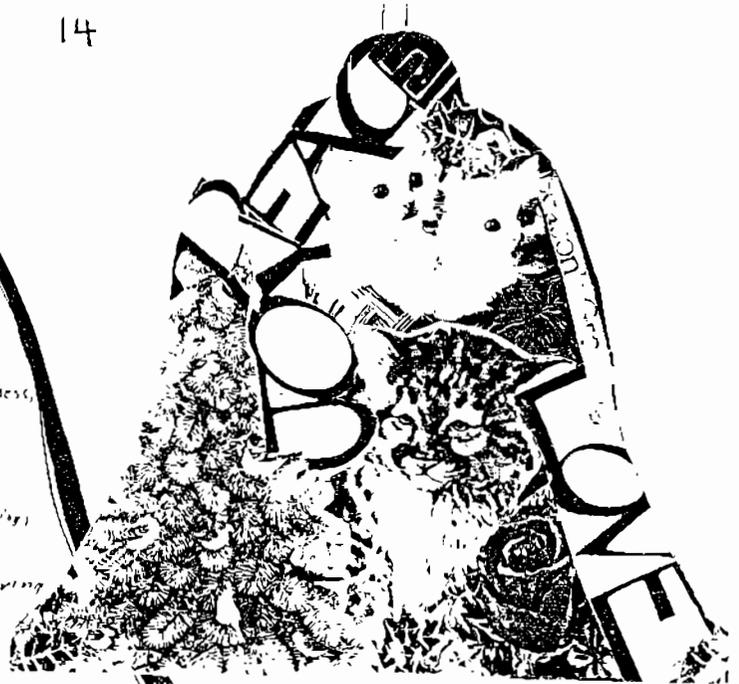
Christmas is family, togetherness,
happiness

Sharing gifts to others

Christmas is exchanging, exciting,
eating

Loving with family, and sharing
Contented feelings

By *Allen Gordon*



Giving the gift of
Christmas

Sharing, Loving, Caring,
being with your family,
decorating a tree,
Giving, Needing, Families,
singing in the warmth,
Having, Holding, togetherness
Cooking, Inviting, visiting.

By *Christina Miller*

Dec 24, 25 is...

Giving, Caring, Celebrating

Sharing excitement with friend

Visiting family

Hoping that it snows

Happiness, loving, exciting

by *Tim Munson*

Class

mysterious realm of the deep ocean - the largest ecosystem on our planet. If you would like a free copy of *Ocean News: Exploring the Fluid Frontier* please ask any station employee or drop by the station and pick one up.

There will be four *Ocean News* issues published before next summer. The second issue, already well underway, is about whales and other marine mammals. Did you know, for instance, that elephant seals spend as much as 90% of their time at sea underwater? Or that they are the deepest diving seals - with recorded dives over 1500 metres deep! Or that they actually sleep while swimming down to their deep feeding area and then again on the way back up!

Our third issue will be about ocean pollution. We'd like everyone in B.C. to understand their connections to the ocean. The rapidly degrading environment of the Strait of Georgia is a prime example of the importance of knowing more about human causes of ocean pollution.

The fourth issue of *Ocean News* will be about seabirds and the connection of our personal lives to these fascinating feathered friends.

The 12-page newsletter is actually only part of the *Ocean News* package. For each issue we are also producing a teacher's guide and a computer disk for the Macintosh computer with extra activities to make the newsletter even more useful. We will be selling the *Ocean News* package to cover our printing and mailing costs.

Work on the *Ocean News* has brought together many current and former educators from the Station and the community. Adrienne Mason is coordinating the project. She and I are editing and doing the overall design. Adrienne, Kitty Lloyd, former Station employee, Jacquie Lee and Jeannie Ferris are the main writers. Anne Stewart, Julie Draper (from Tofino), and Emma McMillan (from Victoria) are the talented artists providing a real graphic appeal to the materials. Bernard Lavie (from Victoria) is developing the computer disk.

We will continue to offer a free copy of the newsletter to anyone in the Bamfield community, so check again early next year for Issue 2. And for that keen friend or relative who lives far away and

would like to learn more about the ocean at our Bamfield doorstep, how about a subscription to the *Ocean News* as a Christmas gift? Subscriptions will be available at the Station.

Finally, bryozoans, those tiny, fascinating, but little-known creatures of the ocean. I mean, how many people in Bamfield really know what a bryozoan is? ... and then, just imagine the number of people in Spuzzum who know about them!

This time of the year, finding a bryozoan is as simple as a walk on Brady's Beach. As you look along the high tide line at the riff-raff you'll notice small white clumps of feather-like material scattered here and there. Pick one up and look closely - you'll notice it is somewhat brittle and it is made of branching sections something like a miniature bush. The word 'bryozoan', means moss animal, and many bryozoans cover rocks in the ocean like moss covers rocks on land. Despite their tiny size bryozoans are sophisticated animals - as invertebrates (animals without backbones) go.

Bryozoans are actually communistic colonies of microscopic 'worms' that live attached to rocks at the sea's edge and at the bottom. A colony like the ones you find at Brady's started off as a single microscopic larva that settled to the bottom. It grew a calcified 'house' and then fed on bacteria in the water with a tiny feeding organ. As it gained nutrition from its food, it divided time after time into new individuals. These created new houses attached to the previous houses, so the colony grew like a branching bush.

Bryozoan colonies are 'communistic' because each new individual in its own 'house' remains connected to other adjoining individuals in their houses with very tiny tubes. These tubes can transfer food nutrients from one individual to the next so the whole colony can share the food collected by individuals at any location - such as out at the colony's edge. It's a fascinating life for something so small you really need a microscope to see it - phone and drop by if you'd like to investigate these tiny communist on the microscope!

Season's Greetings!

*from the
Bamfield Preservation and Development Society*

After a month of nagging dread and general bah-humbugginess (which begins with the day-after-Halloween Christmas Shopping ads), I'm always pleasantly surprised by the sudden uplifting little surge of Christmas spirit. Now I wonder: Was it this feeling that inspired me to volunteer as Secretary for the B.P.D.S.?

As I recall the November 22nd meeting, only the slightest amounts of uncomfortable silence, flattery and persuasion were necessary for Cathie to volunteer herself wholeheartedly as the new President of the society. Inspired by Cathie's lack of resistance and defying our own sense of foreboding, Agnes and I flung ourselves into Vice Presidential and Secretarial positions. Next, with truly joyful stoicism, Lori resigned herself to not resigning her position and Treasurer. Yes, it must have been the Christmas spirit.....

In our part of the world, whether one enjoys a secular or religious Christmas time, the elements of friendship, giving and sharing are almost always part of the holiday experience. Having joined the B.P.D.S. at this time of year, I wondered about the significance of this group, both in terms of what I could share with it and what it could give to this community of friends. I now realise that simply my own time and energies, when combined with those of the other members, can become a powerful, creative force.

From what I have discerned of the B.P.D.S. thus far, it seems to be a group of individuals dedicated to gathering information, discussing it openly, and acting in an environmentally responsible manner. The ultimate aim is community-supported progressive development without compromising the high level of quality of life to which we have become accustomed.

The idea of the miraculous nature of life itself seems to be central to the message of any faiths and environmental groups. Whether spiritual, religious, or otherwise, most of us would agree that Bamfield itself is a somewhat miraculous area on this earth. The truly unique and creative energy which people here possess is surely connected to the beauty and energy of our surroundings. When I reflect on the giving and sharing of this season, I can think of no more precious gift for our children and near ones than a clean, safe and vibrant home in which to live.

I know that Christmas can degenerate into a season of excess: overeating, over-packaging, extreme commercialism, etc.. But if we just take the time to reflect on what is truly important to us, we usually find a common value base in terms of quality of life. Bamfield is a quality community; there is much here to be thankful for and much good work to be done. The B.P.D.S. seems to me to be a group committed in spirit, mind and body to doing good work. Now where was I? Oh yeah - the Christmas spirit.....

*** We interrupt this page for a word from our sponsor: "Don't you just hate the hustle and bustle of Christmas shopping for those hard-to-buy-for family members? Why not consider the gift of a membership in the Bamfield Preservation and Development Society?! They're only \$10.00 and non-fattening! Just call Cathie at 728-2005.



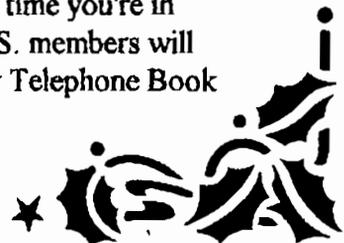
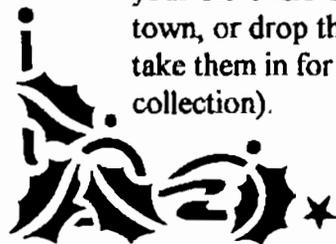
By Lincoln Page

Gifts to Live For

Give a friend the gift of a healthy environment this season. Great gift ideas include Recycled Stationary, Cloth Shopping Bags, Environmentally safe household cleaners and non-consumptive gifts like an Acre of Rainforest or a subscription to an organization that promotes environmental values.

Recycle Your Sears Catalogue

Glossy magazines release toxins when burned and add significantly to landfill sites. Make a choice and make a difference this year by recycling your old Sears Catalogues. Drop them off at a Sears next time you're in town, or drop them in the box at the Post Office. B.P.D.S. members will take them in for you! (Watch next month's newsletter for Telephone Book collection).





Satellite Imagery meets the West Coast

Pacific Rim National Park Reserve is moving ahead in its Science Program with the recent introduction of satellite imagery analysis as the basis for ecosystem management.

"The system being used by Pacific Rim is unique in Canada," said Park Warden John McIntosh, who is the park's Ecosystem Manager in Charge of the project. "It will result in very high accuracy because it combines 2 different technological approaches. One involves LANDSAT Thematic Mapper (TM) imagery, and the second uses a French satellite network called SPOT (Système Pour l'Observation de la Terre). TM has a 30 m resolution in 6" spectral bands" plus a broad-range 120m band, while the SPOT mode provides a high-resolution (10m) single bands" The accuracy of satellite imagery is determined partly by the "resolution" of the images produced; that is, the size of the smallest object that the satellite camera can detect. For example, a resolution of 10 metres means that the system can detect any objects on earth whose dimensions are 10 m or larger; not bad for a camera that's located outside the earth's atmosphere!

To complete the demanding task of merging the TM and SPOT data together into a working database, the park contracted Ecosat Geobotanical Surveys of North Vancouver, to enlist the expertise of Dennis Jaques, a specialist in satellite imagery analysis. The innovative techniques used by Dennis allow him to take advantage of the strong points of each imagery system, to produce the final analysis of the data.

Since the mapping used for resource management to date was largely derived from 1972 data, the need for updating was obvious. The need to move to better technology, providing increased accuracy, was also apparent.

So far, some interesting results are beginning to show up. Preliminary analysis has provided up-to-date information on vegetation cover, composition and structural diversity of old-growth forests, Non-forest vegetation types such as bogs and dunes, as well as near-shore coastal types such as eelgrass beds, large kelp stands, and intertidal communities as far as 5 m below the water's surface, have also been mapped.

Satellite imagery is basically a type of specialized photography taken at very high altitude from sets of satellites circling the globe daily. It is part of a wide range of currently-used technologies known as "remote sensing", which scientists use to document conditions of the earth. Conditions such as forest cover type, area of water, recent changes in watershed drainage, wildlife habitat type, and building and road locations can all be easily defined using this technology, without having to



cover every bit of ground on foot, or using much more expensive aerial photography.

Forest mapping based on satellite imagery has divided stands into broad age classes. Young stands originated by blow-down or slumping, or clear-cut forest harvesting up to 1972, have all been identified. Older stands of timber (25 to 100 years old) are biologically less diverse than the younger ones, but also vary significantly in the types of vegetation that can be identified.

Satellite imagery has also differentiated a great variety of vegetation types in stands over 100 years old. Old-growth coastal stands of sitka spruce and western hemlock at or near the shoreline for example, are different from adjacent old-growth cedar/hemlock forests in terms of composition, biomass and structural make-up. Mapping produced 12 classes of old-growth varying in composition from lodgepole/cedar stands in bog environments to transitional forests of cedar/hemlock, to sitka spruce coastal fringe, to cedar/hemlock/spruce/amabilis fir types in well-drained, upland areas.

Since much of the old-growth forest surrounding the Park has been harvested, giving way to younger stands regenerated mainly by planting of nursery stock, the Park plays an important role as a sanctuary of biological diversity and genetic stock for the tree species of the region. Also, Park visitors can easily observe examples of their old-growth heritage in the Long Beach Unit. At Schooner Cove for example, a 450-year-old stand of 60-metre hemlock/cedar/sitka spruce portrays the cathedral-like dimensions of old-growth stands found within the Park.

Special efforts are being made to determine how to best apply satellite imagery analysis to document and monitor characteristics of old-growth stands in all watersheds affecting the park. Since public and private land management agencies have both expressed considerable interest in the project, it is hoped that this new technology will enable the park to participate more effectively with its neighbours in the management of the area's biological diversity.

Reliable and accurate monitoring for the Park and the surrounding region are assured for decades ahead, because the 7 satellites which provide the data for this project are designed to do so well into the 21st century, producing new images every 2 weeks.

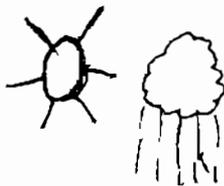
By Bill McIntyre

Seasons Greeting
to
Friends
Customers
from
Tom Elaine
and Staff
Hook & Web Pub
Trails Motel





Pirate Water Taxi
 Rain or Shine
 Night or Day
 need a ride
 call 728-2008
 coming soon
 Bamfield Harbour
 Ferry



PETER & C. BROWN • K. & D. SHORTER



- Boat Rentals & Moors
- Fishing & Dive Charters
- Sightseeing & Whale Watching
- Kayaks • Canoes • Scuba Air
- Guest Cottage • Trailers • RV Parking

BAMFIELD KINGFISHER MARINA
 Box 38, Bamfield, B.C.
 V0R 1B0

(604) 728-3228



Summer hours 4:30-10:00 pm

Winter months 8:00-6:00 pm

Tides & Trails Restaurant



728-3464

Closed Monday
 Open Tues. to Sun.
 8 am. to 6 pm.

Pizza - Deli
 728-3442



Judy's
CAPPUCCINO & ESPRESSO

• At the BAMFIELD LODGE •

CLOSED FOR THE SEASON
 BUT

RAINFOREST and CLOUD
 9. BARS are still available
 (excellent stocking stuffers)

ALSO

T-shirts, cook books herbs
 and vitamins.

728-3419

Seasons Greetings²⁴



from the staff
of
Bamfield General
Store



Looking for something beautiful
for someone special in your life?
Come and view our display anytime.
Please call first.



Paul Smulders
Gold & Silver Smith

Box 53 Bamfield, B.C. V0R 1B0
(604) 728-1269



New Service offered -
Ear Piercing - \$10.00
Call for an appointment.
HAPPY HOLIDAY'S



THE CLASSIFIEDS



WORKING WASHING MACHINE
FREE 728-1269

YOU NEED HELP
Call 728-3435 if you
need help with house cleaning,
painting or gardening.



AL-ANON MEETINGS

Thurs. nights
7:30pm.

Centennial Park bldg.
Call La Rae.
728-3376

If someone near
and important to
you has a drinking
problem, look for
help in Al-Anon.

A.A. Meetings

Monday nights
7:30 pm.

Community Hall
call 728-3289 for
more info.



Gymnasts ages 5 to 15, will
develop: skills in the use of
various apparatus which include
balls, clubs, ribbons, ropes & hoops.
As well as learning ballet and
jazz movements & develop a
sense of musical awareness
and participate in conditioning
exercises to strengthen the overall body

Boys welcome

Rhythmic gymnastics

CHRISTMAS CAMP



DEC 18-22

10:00-1:00 COMMUNITY HALL

CALL JANA ASMAN AT 723-7983

TO REGISTER LIMITED SPACE

or call 728-1269

Join us at
HOOK & WEB
for
daily
Specials
and
NEW YEARS
Celebration





DECEMBER



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6	7	8	9	10	11 Hall Members Xmas Party
12	13	14 EGMS Xmas Concert	15	16	17 Last Day of School Pizza Day	18
19 Church Candlelight Service 4:30	20	21 Arts Council Mtg. 3:30	22	23	24 Boat Caroling lv from Hall	25 Merry Christmas
26	27	28	29	30	31 New Year's Eve Dance Hall	



JANUARY



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Happy New Year's
2	3	4	5	6	7	8
9	10	11	12	13 P.A.C meeting 7:30 BMS	14	15
16	17 B.P.D.S. 7:30 Agnès	18 Arts Council 7:30	19 Hot Dog Day	20	21	22
23	24	25	26	27	28 Newspaper Deadline	29
30	31					