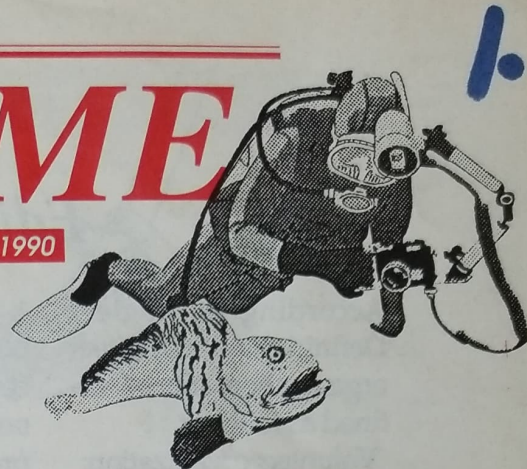


BOTTOMTIME

NEWSLETTER OF THE NOVA SCOTIA UNDERWATER COUNCIL DECEMBER, 1990



Diving Nova Scotia

Ah! Winter Diving. Does such a thing exist in Nova Scotia? For some, the answer is a very clear "no way!"

To others, it is an experience that is a must.

Some of the best dives I have done have been during the winter months. I will recount one dive which my buddies and I have come to affectionately call "The Daiquiri Dive, Chad Bay, 1989"

It was a very clear and cold night late in November, 1989. I had previously dove Chad Bay during the day, but as with all dives, a night dive at the same site always shows a different side to the same site. Most marine life is nocturnal and hunt for food during the dark hours.

We assembled all our gear and made sure nothing was missing and then proceeded to Chad Bay. When

we arrived we found pristine conditions for a night dive. The moon was full, not a cloud in the sky and not a breeze to be felt. The night silence was broken only by the sound of a car passing by. It had snowed the previous day, and the snow had formed a layer of slush on the bay a few inches thick.

It looked so pure, unadulterated by man's hand. (Or should I say fins). We geared up on the shoreline, not noticing the coldness in the air, anticipating the adventure that lay ahead.

Our dive plan was simple. We would enter the water and keep very near the shore, with a maximum depth of 40 feet, have about 45 minutes of bottom time and return where we had left the signal lights for exit.

We entered the water slowly and
continued on page 18

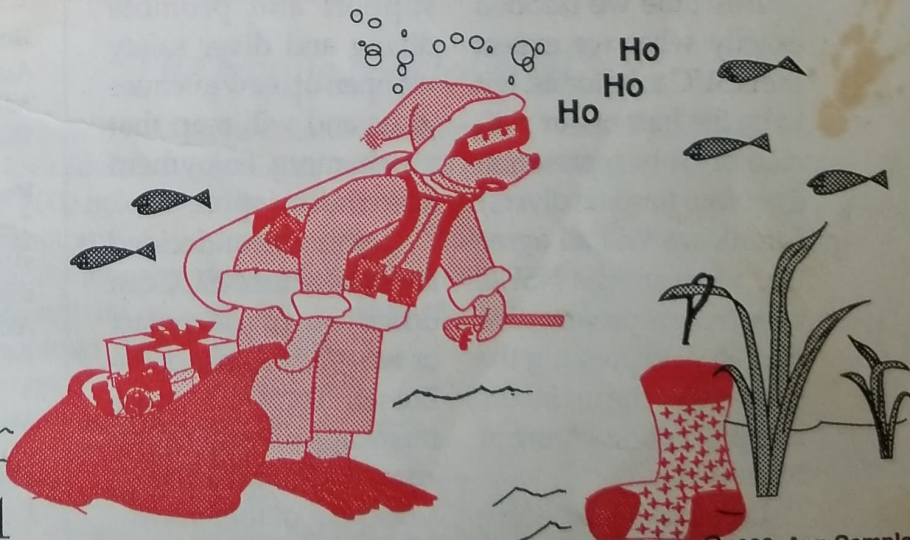
Features in this issue

- ◆ Heroic rescue 6
- ◆ U/W Photographic Techniques 9
- ◆ Diving Nova Scotia 1
- ◆ Travel - Diving Australia's Yongala 10
- ◆ Nova Scotia's dive shops - in profile
- Nautilus School of Diving 7
- ◆ New Product Info 15
- Editorial 2

Departments

- News in brief 3
- Executive Board Reports 4-6
- NSUC News 6
- Coming Events 13

Season's Greetings
and best wishes
to our readers,
the diving community,
and all sportsmen
and women and
their families for 1991



© 1990 Ann Sample

Editor's Notes

According to Sniglet's Definitions a volunteer organization can be defined as follows:

Volunteer organization:
Any organization where 1% of the people volunteer to be criticized by the remaining 99%.

The NSUC is a volunteer organization and fits well into Sniglet's Definitions.

Not that criticism is not good. In fact, it is a requirement in order for the organization to function and respond to the needs of the members they represent. However, it can be destructive if no ideas for changes are put forth. No one enjoys being criticized but, when it is coupled with suggestions or ideas for improvement, it becomes constructive.

It is time we decided exactly what we expect the NSUC to be for us. Is it to be the butt of our ridicule or truly representative of our needs as divers? I think we will all agree that we want the NSUC to be truly representative of diving: expressing the concerns of the members and promoting diving in Nova Scotia.

Let's look at "Objective

1. To be a representative body for the scuba diving community so as to preserve, support and promote diving and diver safety in the Provinces."

Are we meeting this objective? At the present time, the NSUC has about 230 members. When we realize that there are over 5,000 certified divers in Nova Scotia (this is very conservative!) we see that we represent but a very small percentage of the divers in the Province.

All divers share the same basic concerns and want to preserve, support and promote diving and diver safety in our area. Yet that is impossible to do on an individual basis. By acting collectively as one voice and having a say in what is going on in the diving community, we not only preserve, support and promote diving and diver safety we open up new avenues to us and will reap that much more enjoyment from the our sport.

If you are undecided about what the NSUC can do for you, please contact or write a Member of the Board. They are more than happy to talk to you about the benefits of being a member of the NSUC.

BOTTOMTIME

Bottomtime is published eight times annually by the Nova Scotia Underwater Council. It is distributed free of charge to members. Members' fees for 1990 are \$14 annually for individuals. Membership is also open to clubs and commercial enterprises. Non-members may purchase a subscription for \$12.50. Whenever possible, subscriptions will commence with the current issue.

Bottomtime is published as a forum with the aim to generate opinions, communication with and feedback from our members. Submissions to *Bottomtime* are published at the discretion of the editor. Articles are the opinions of the contributory authors and do not necessarily represent the views of the NSUC. Articles may be reproduced with the written permission of the NSUC. We encourage response to any of the articles.

Advertising rates are available on request. If advertisers require design services to prepare camera-ready copy, this must be pre-arranged prior to the deadline.

Our publishing schedule is:

	Deadline	Published
January	1	15
February	15	28
April	1	13
May	15	30
July	1	13
August	15	30
October	1	15
November	15	30

Send all submissions to:

The Editor

Nova Scotia Underwater Council

P.O. Box 34, Armdale, Halifax, N.S. B3L 4J7

Publishing *Bottomtime* is made possible by the Nova Scotia Sport and Recreation Commission and Sport Nova Scotia.

Bottomtime

Acting Editor

Blair Mercer, 463-7365

Advertising Manager

Roland Morrison, 463-3796

Design

New Media Services

Production Details

Text entry and typing, typographic formatting, page assembly and graphics are done on Macintosh computers using AccuText OCR, Microsoft Word, Aldus PageMaker, Adobe Illustrator and TypeStyler.

Printing

The Printing House

Burnside Industrial Park

Masthead

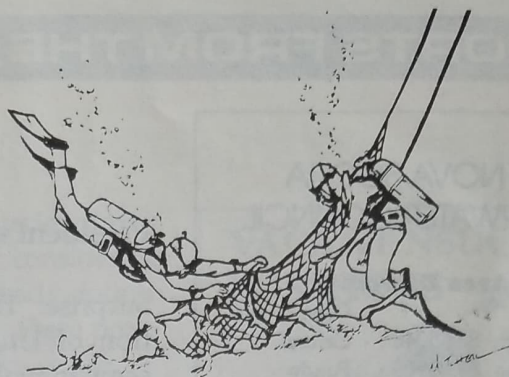
Tony Seed and Bob Semple

The Nova Scotia Underwater Council

President

Lynn Gallant

News in Brief & Comment



Tis the Season

for peace and goodwill and
we wish one and all a
Merry Christmas and a
very Happy New Year.
On behalf of the
NSUC, the member
instructors wish you all the
best and have a very joyful
season.

Austin Baird	466-1356
Andrew Britton	454-4296
Michael Chambers	454-4296
Michael Covert	429-8265
Andrew Desrochers	469-6948
Carol Draper	469-6948
Gary Edmonds	876-0555
Timothy Gay	429-8265
David Gough	429-8265
David Hackett	465-2526
James Henneberry	465-2526
Michael James	876-0555
Trevor Kenchington	889-3555
Scott Kirby	454-4296
Roland Lewis	454-7826
Kevin McNeil	865-6080
Lorne Piercey	429-8265
Donald Rodgeron	876-0555
Victor Sparks	638-3574
Michael Turney	427-6153

Israeli Treasure

The Persian Gulf crisis has captured the Headlines since Iraq occupied Kuwait. However, Israeli archeologists have not been idle during this time.

They have discovered rare coins, bronze figurines and ancient bathing accessories scattered amid the sunken ruins of a 1,900-year-old Roman ship.

The wreckage was apparently exposed by regional disturbances and appeared to be a Roman cargo ship which sank on its trading route.

Divers have been searching after every storm with the hope of uncovering new treasures.

The Marine Inspector of the Israeli Antiquities Authority, Ehud Gaitil, said similar wrecks were be-

lieved to be buried under the seabed along the Israeli coast.

Warming Waters Harming Coral

A mysterious bleaching discovered in 1980 on Australia's Great Barrier Reef has spread around the world, killing massive amounts of delicate formations.

Warming of the ocean's waters is believed to be the cause and the bleaching has left coral organisms weakened or dead in the Caribbean, off the coasts of Hawaii, the Maldives, the Eastern Pacific, East Africa, the Andaman Islands, Indonesia, Thailand and northern Australia.

Thomas Goreau, Senior Scientist at the University

of the West Indies said that the situation has become critical across the Caribbean since May and many coral formations are expected to die over the next few months.

The optimum coral range is 27 to 30 degrees Celsius and an increase as small as one or two degrees can cause the bleaching to occur.

Grim Reaper

A coroner's inquest has been convened in Quebec with the purpose of investigating the causes of the deaths of some nine divers this year.

It may also deal with establishing and enforcing uniform standards.

It has been shown that diver education is the main and decisive factor to avert such tragedies.

"The fragile coastal trail"

Depending on how it is measured, Nova Scotia's coastline is 3-4,000 miles long. This significant resource naturally attracts a lot of human activity. Wherever people go, trails are formed; some at random, some by design.

Recently the N.S. Trails Federation was founded with a primary interest being to help trail users

understand the different ecological areas and how to enjoy them without damaging them. They have published a brief, attractive pamphlet entitled *The Fragile Coastal Trail* about the beaches

and dunes, headlands, bogs and other areas which divers can obtain through Sport Nova Scotia.



THE NOVA SCOTIA UNDERWATER COUNCIL

Area Directors

Vacant		Cape Breton
Danielle Gough	864-3046	Central
Gary Matinson	895-3909	Fundy-
		Highlands
John Pothier	762-2241	South Shore
Sylvain Roy	765-3786	Valley
Joe Christie	875-3732	Commercial

Executive

Lynn Gallant	434-3675	President
Blair Mercer	463-7365	Vice President
Dave Rodwell	765-6771	Treasurer
Colin Frazee-Whitelock		
	864-1157	Secretary
John Webber	477-2662	Past President

Committees

Blair Mercer	463-7365	Bottomtime
Bob Trider	469-6440	U/W Hockey
Roland Morrison	463-3796	Constitution/ Ethics; SubSea
		Horizons
Vacant		Membership
		Registrar
Danielle Gough	864-3046	Marketing
John Webber	477-2662	P. R.
Lynn Gallant	434-3675	Awards
Vacant		AGM

NSUC Member Clubs

Aqualantic Scuba Club

P.O. Box 2944, Dartmouth E.,
Dartmouth, N.S.
B2W 4Y2 Tel: 434-2768

CFB Cornwallis Scuba Club

P.O. Box 295,
CFB Cornwallis, N.S.
BOS 1H0

West Pubnico Dive Shop

West Pubnico, Yarmouth County
N.S. BOW 3S0 Tel: 762-2241

Membership is open to individuals, clubs, or commercial diving enterprises. Dues are set annually - usually at the Annual General Meeting. Individuals may join by sending an application or letter with the \$14 fee to the Treasurer.

NOVA SCOTIA UNDERWATER COUNCIL

P.O. Box 34, Armdale,
Halifax, N.S. B3L 4J7



President's Report

Surprise! The Canadian Federation of Underwater Activities semi-annual meeting is being held in Halifax this December. This is a chance for Nova Scotia divers to get their views on national issues aired. If you have an issue you want brought to attention, please contact me.

Barb Turney, our Membership Registrar, is relocating to Moncton. I would like to Barb very much for the time and effort which she has given on our behalf. Best of luck to the Turney family in their future endeavours.

The Executive Committee has been the unable to reach an agreement on criteria for the "Sport Diver of the Year Award".

Perhaps those of you who proposed this award can give input on how it should be managed. Without some input from people outside of the Board this award will likely be scrapped.

Blair and I attended a meeting sponsored by Sport Nova Scotia in October. One of the more interesting aspects of the meeting was the idea that a new organization called "Target Nova Scotia" is in the planning stages. This organization will be able to help member organizations in holding national or international events in Nova Scotia. This may be beneficial if we ever decide to host a large, national dive event.

The Board of Directors will be setting the 1991-1992 budget in February. Any projects which require funding should be brought to the attention of a Board Member before the first of February.

Remember, once the budget is set, it is difficult to find money for

new projects

That's about all for now folks. Have a Merry Christmas and all the best in the New Year.

Lynn Gallant

Vice-President's Report

Diving is now entering the "cold season" and many divers are storing their gear until the warm weather is with us once again. However, there is more than one side to diving. Now is the time to get gear serviced, take stock of what items we could have used during our summer and replace old items that have worn out.

(My mitts have several holes in them where I poked around in crevices!)

However, the activities of the NSUC do not lessen during the winter months. We will be setting the budget for the next fiscal year in February and establishing plans for events during 1991.

We need a Coordinator for the 1991 Seahunt. This year's was a great success - Thanks to Mares for sponsoring the 1990 Seahunt - and next year's promises to be even more exciting than ever. We will be looking at ideas for even bigger prizes and more participants.

We also need an Editor for *Bottomtime*. At the last Executive meeting, we decided to maintain the present format and resist any move to revert back to the previous format.

We now have a quality newsletter and one upon which we can build. I have been acting as Editor and will continue to do so until we have someone who will take over. It is not an easy task, but is not one which anybody will be expected

to do alone. Anyone interested in the position can contact a Board Member to discuss the possibility. It doesn't cost anything to talk, except a telephone call.

Cape Breton is still without representation on the Board. Is there anyone willing to offer their services in this position?

The NSUC will be hosting the CFUA's semi-annual meeting in December. This is a great opportunity to express our concerns and promote Nova Scotia as the Diving Capital of Canada. Any input would be greatly appreciated. I am available to talk about any ideas or concerns you have.

Blair Mercer

Commercial Director

On October 5, I attended the meeting in Halifax called by the Department of Labour regarding the pending commercial diving regulations.

The main reason for the meeting was to give divers themselves some say in the final legislation. There are some concerns for the Instructors because of the way the regulations are worded. It could

make things a little harder during open water dives but, considering that instructors already follow their own standards, there probably will be exceptions made.

I also think that Scientific Divers won't be affected much except for minimum crew and maximum depth, but I believe they pretty much conform already.

These regulations are expected to become law by the early summer. However, there will be several more meetings before then. A board has been established consisting of some of the commercial divers present and also representatives from the scientific and instructional communities. Now we can wait and see.

There has been a recall announced by Aqua Lung Canada on all regulators produced between August 15, 1989 and August 22, 1990. This involves a possible problem with the high pressure seat in the first stage. If you have one that was produced during that time, or you are unsure, have it inspected by your dealer before using the regulator again.

Have a good winter,

Joe Christie

Subsea Horizons Update

Even though the show is several months away, the Committee is hard at work laying the foundation to make it twice as big and more than twice as enjoyable as last year's. There will be not one but three main attractions, namely:

- Robert Makinon's treasure trove, salvaged from the seas of Cape Breton;
- The fleet Diving Unit's sophisticated diving hardware; and
- The Fashion Show, highlighting swimwear by BRIO, as well as the latest in dive gear and accessories.

Another attraction which is in the initial

planning stages is a Casino. Participants will gamble with play money, and use their winnings to bid on mystery boxes containing dive gear and other prizes (a list of prizes will be posted).

As you may understand, the Committee is looking for about two dozen volunteers to be cashiers, registrars, security people, booth attendants, "go-fers", labourers, casino operators, etc.

If you wish to lend a hand, contact Danielle Gough or John Webber (see p. 4) or write to: Subsea Horizons, PO Box 33048 Quinpool, Halifax, N.S. B3L 4T6.

VACANT NSUC POSITIONS



NEWSLETTER EDITOR

This position requires a person with a love for the written word and a need to meet deadlines. The Bottomtime Editor is responsible to solicit and gather articles, type and prepare the newsletter to go to the Publisher. Some layout is required but this can be done in consultation with the Publisher. The Editor also delivers the newsletter to Sport Nova Scotia for mailing. Bottomtime is published eight times per year. An honorarium of \$100.00 goes with the position.

MEMBERSHIP REGISTRAR

This position requires a person with a computer who is willing to maintain our membership lists, non-member mailing list and produce address labels for Bottomtime. This position can be done on your own schedule as long as the lists are kept up-to-date. The busiest time of the year are April to June when renewals come in.

SEAHUNT COORDINATOR

This is a year-long job starting with the solicitation for a major corporate sponsor, finding committee members, gathering of prizes, organization of the event, advertising and the mailing out of thank you letters to sponsors. This job should be started now and has usually carried an honorarium of \$50.00. The organization of this event has been well-established so there is a framework set up to work within.

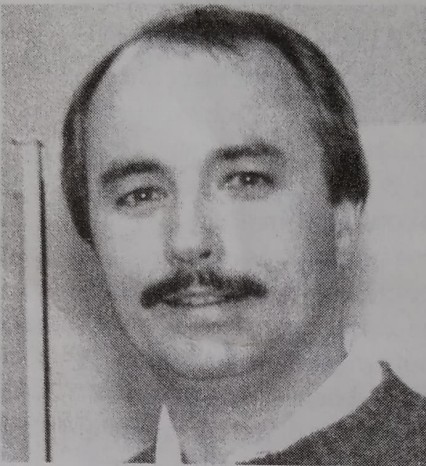
Anyone interested in offering for any of these positions should contact the President of the NSUC, Lynn Gallant, at 434 3675.

NSGEU Member saves U.S. scuba diver in heroic rescue at Chebucto Head

Keiran Tompkins, long-time active union member and Board of Directors representative took heroic action to save the life of a scuba diver who got into trouble late in September.

Brother Tompkins, who is a Public Health Inspector, was doing an on-site inspection of a building lot near the Ocean at Chebucto Head, about a 20-minute drive from Halifax. He was accompanied by two other Inspectors, Jackie Lavalee and Rosemary Arsenault, and the site contractor and his assistant. It was around noon hour when the group heard cries for help coming from offshore.

Running to the top of the rugged coastline, they spotted a scuba diver being battered against large rocks by the surge and undertow of the sea. He was evidently exhausted and hampered by the weight of his gear, unable to climb on to the rocks or swim to safety. While others ran for a telephone and ropes, Keiren scrambled down the rocky shoreline, gashing his leg and suffering cuts to his feet in his haste, stripped to his underwear and swam about twenty feet in



Keiren Tompkins

rough and frigid water, before climbing to a rocky outcrop, from where he could reach the diver and pull him to temporary safety. After a brief rest, both men then swam back to shore.

The scuba diver, a California tourist in his late '40s, was accompanied on his dive by two local divers who had also heard his cries for help but were unable to see him because of the waves and the rocks in the area. Shortly after the dramatic rescue took place, a helicopter and several vessels from Search and Rescue arrived on the scene but were waved away.

By the time Brother Tompkins was dressed, a crew from the CBC arrived looking for a story, but Keiren modestly refused to be interviewed. Instead, he returned to his site inspection and then continued with some other duties until his regular quitting time. We can only hope that his bravery and quick thinking will receive the recognition so richly deserved.

Reprinted from the NSGEU Newsletter, November, 1990 with the kind permission of the Nova Scotia Government Employees Union

NSUC NEWS: PASSPORT TO DIVING - UPDATE

The book **Passport to Diving** is being enthusiastically received by the diving community at home and abroad, with some 40 per cent of the press run now sold or distributed.

The illustrated 48-page book promotes the best of diving in Nova Scotia in an attractive form that provides clear, easy-to-follow directions to some exciting diving.

Introducing divers to the beauty of Canada's Underwater Playground, the **Passport** offers clear waters, truly unique dive sites, salt water marine life, subsea rock formations plus numerous wrecks dating to the 1700s. It breaks down into six provincial regions.

Passport was released on June 9 and orders are still coming in every week, says Colin Frazee-Whitelock.

"We've received requests from all over Canada, including Saskatchewan,

B.C. and Labrador and we're waiting for a reply from the Quebec association for a bulk order to put in their shops." Both Northern Shore and Divers World dive shops have re-ordered.

Roland Morrison sent ads to all provincial diving associations for their newsletters. The quarterly *Divers Free Press* from Newfoundland, which is distributed nationally, ran a very good release written by John Webber and Danielle Gough, as well as carried an ad for the book. However, it has been ignored by the commercial media, despite the press release which was sent to all media throughout Nova Scotia.

"Internationally, we've received orders from the USA, the U.K. and Germany," says Colin who shepherded the project to press over the past two years.

"Everyone has liked the layout and

especially the front cover design (featuring a photograph by Gordon Murray - editor). It was well put together and well thought out. In fact, it was the best publication - and very professional - of any previous edition," he added.

If sales continue, a second printing may be in the works with another edition in several years. "We would need a lot more about dive sites - or the discovery of new sites," he concluded.

Passport to Diving is available from most dive shops, Atlantic News, and the Fisheries Museum in Lunenburg (for less than the price of the average air fill) or can be ordered from the NSUC. Don't miss this opportunity to acquire a publication which is considered a must for every visiting and Nova Scotian diver's reference library.

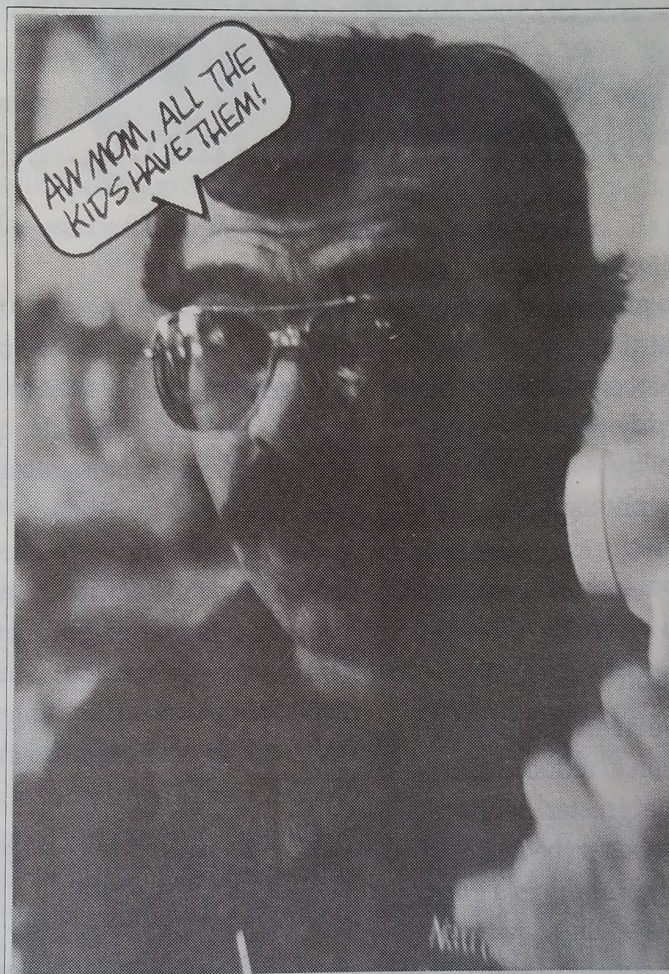
Nautilus School of Diving

At the tender age of eight years, Mike Chambers began snorkelling and after another eight years of intensive conditioning, he dove for the first time with John Zwrd who was an instructor with the National Association of Scuba Diving Schools (N.A.S.D.S.) In his first year of scuba, Mike logged over 100 dives scaring fish at various sites in Nova Scotia.

In 1970, Mike started working for Commercial Divers Ltd., travelling between Halifax and Newfoundland. After 18 months, in 1972, Mike went back to university and took Commerce. In 1973, while working for CN Express, he opened Chambers Dive Shop in Portugese Cove. The *Humbolt* was never the same after Mike and the *Humbolt* divers "explored" the wreck site.

Chambers Dive Shop was well known for its relaxed atmosphere, while Mike was famous for his coffee breaks.

In 1980, the shop moved to Robie Street with the new name of Nautilus School of Diving and in 1981 Mike finally quit CN to operate the shop full-time. In 1983, the present location of the Nautilus School of Diving on Quinpool Road was purchased.



Mike Chambers— (He'll try anything including scuba)

In the years that have followed, the shop has gone through several times of remodelling to reflect the changing attitudes in the diving community.

Boasting 16 sets of rental equipment and 30 tanks, Mike and Nautilus School of Diving can completely equip any diver. To keep up with the growing demand, Mike plans to increase this to 25 complete sets of equipment in rentals in 1991.

Mike has over 20 years of diving experience. He has been involved with the NSUC for 5 years and has supported all Council events. He has certified over 2,000 students and 10 instructors.

Mike not only considers scuba a great sport, but also a great way to meet people. Several couples have met through Mike's courses and Mike himself met his wife while teaching her scuba!

Nautilus School of Diving is open from 10:00 am until 6:00 pm Mondays through Thursdays and Saturdays.

On Fridays, the shop remains open until 8:00 pm and

during July and August, Mike opens on Sundays until noon. When at Cranberry Cove, watch out for Mike as this is one of his favourite sites!

Underwater - with a difference!

On October 13 the Nautilus School of Diving held its second annual underwater pumpkin carving contest at Queensland Beach. The day was slightly overcast with a mild surf running. There were 40 people attending with 24 divers participating. Mike Chambers of NSD

explained a few simple rules with dive knives only being allowed and with each diver having to use a pumpkin without any markings or guidelines drawn.

Judges Bert and Linda Wade had a tough time deciding the winner as all divers did a great job. First

prize went to Duane Dauphinee - a night for two at the Prince George Hotel. Congratulations Duane! Most original went to Andrew Mosher.

After the the contest, a dinner was held at the Beachland canteen. Greg Mitchell and the staff are to

be commended on the fine job they did.

Sheilagh Condy, contest co-ordinator, is looking forward to doing next year's event and hopes it will be the success that it has been for the past two years.

Underwater photographic techniques

VISIBILITY

Blame it on the rain!!!

Part Four of a series by Bob Semple

One of the most important factors affecting underwater photography is visibility. The extent of one's vision underwater can range from the 100-200 foot crystal clear waters of the Caribbean to the 1-2 foot muddy waters of a lake in Nova Scotia. Although good visibility is a relative term, people still expect to see clear, clean photographs with no evidence of dirt particles in the water.

Let's look at some of the factors which affect visibility and our ability to get good results.

Weather Condition

Time of day: The best time to dive is between 10 am and 2 pm because the degree of reflection is reduced and the sun's rays penetrate the water to a greater depth. The greater the intensity of sunlight; the better the visibility.

Wind: Waves caused by the wind produces a greater surface area and reflects much of the sunlight away from the water. This reduces visibility, amount of available light and subject contrast. The wind can also stir up dirt particles and further reduce visibility. The more particulate matter in the water, the less sunlight can penetrate into the water. The particles will cause the light to bounce in various directions and never reach the subject. Worse yet, they will

reflect back to the lens and show up as scatter spots on your film!

Precipitation: Rain tends to destroy visibility. Even a rainfall on the previous day tends to sail the chances for good wide angle photography. It washes particles of dirt off the land and into the sea. On Prince Edward Island, it causes the water to turn red from the iron oxide in the rocks. In Nova Scotia, the rivers turn tea-brown from tannic acid from decaying wood products. Even bays and estuaries near the runoffs from these streams have reduced visibility due to the mixing of the tannic acid. Sometimes the unclear water is only on the top layer and better visibility is only a couple of feet lower.

Clouds: When there is heavy cloud cover, about 90% of the light reaching underwater is diffused. The light is reflected and visibility would be reduced.

Water Conditions

Plankton: Temperate waters contain much nutrients and support a great variety of drifting plant and animal life. This plankton causes the water in these areas to have a lower visibility and a distinctive green color. Tropical waters have little plankton and thus have greater visibility

"Yes, Virginia, There is Winter Diving!"

Call for submissions ♦ Share your experiences and lessons

• articles • anecdotes • frigid tales • photos • water colours • cartoons • exhortations • extortions

on this theme, be objective or subjective, full blown or just notes, and not including secret scallop sites,

are nevertheless welcome for our next issue(s) and should be addressed to:

Editor, Bottomtime, P.O. Box 34, Armdale, Halifax, N.S. B3L 4J7

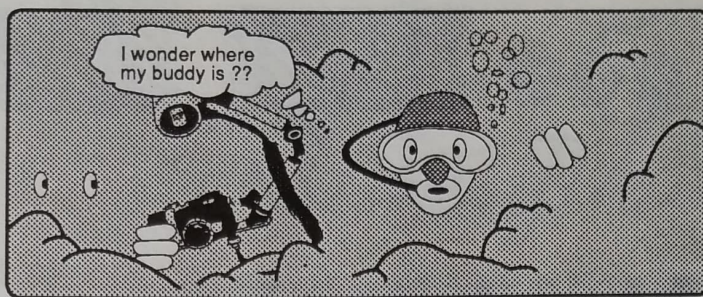
and are decidedly bluish in color. Nova Scotia has two plankton blooms (spring and fall) which can reduce visibility for photography. I have noticed that in British Columbia, the plankton can dramatically increase after several days of sunny weather.

The top 20-30 feet of water is like pea soup but below that the visibility can be over 60 feet yet be fairly dark from the plankton-filtered light.

Thermoclines: Sudden changes in the temperature underwater, are called thermoclines, these can also affect photography. The mixing of water of different temperatures causes the water to appear oily or greasy and will spoil a photo. Fresh water from a recent rain or runoff from land can have the same affect when it mixes with salt water.

Extreme tide changes can affect the visibility. A falling tide can contain more dirt particles than an incoming tide which will bring in clean water from the depths.

Currents: The fast movement of water can stir up and carry particles with it for long distances. Visibility can be greatly reduced in areas which have bottoms of small particulate matter such as sand or mud.



Human Condition

Another important factor to be considered if one desires clear, particle-free water is the diver and buddy. Too much fin or arm movement near the bottom

can stir up a lot of sediment and ruin an opportunity for a great photograph. Be proficient in how to control buoyancy and move slowly when near a prospective photographic subject in areas of fine sediment. Bubbles from the divers exhalation can disturb particles of the roof of a cave or the ceiling of a wreck and "rain" dirt down on the divers, forcing them to give up photography and move to a new undisturbed location.

Remember to look for the best possible conditions when planning to go out diving for pictures. Plan ahead! Listen to the marine forecast. Ideal conditions are bright, sunny days, with no wind or clouds. Be prepared! When conditions are bad; do some close-up photography. And if by chance your pictures come back spoiled because of poor conditions, you can always

....blame it on the rain!

DIVERS' BOUTIQUE

DIVERS' MART

NSUC Clothing for Sale

embossed with "Nova Scotia Underwater Council"

1 white medium golf shirt
(gold lettering) **\$22.00**

1 white medium golf shirt
(navy blue lettering) **\$22.00**

1 blue small sweatshirt
(white lettering) **\$22.00**

1 navy blue large v neck sweater
(gold lettering) **\$30.00**

NSUC T-shirts
selection of sizes & colours **\$10.00**

Contact Danielle Gough 864-3046

Double Hose U.S. Diver Regulator. Good Condition. Call Bob Dorion at 864-0238

WHITE'S near-dry wetsuit, blue in colour with black booties and seals. Fits lady 5'1", 145 lbs. Farmer John has attached booties, ladies size 9 1/2 to 10, and attached hood. Sleep-through jacket. Gloves included. Worn for snorkelling less than a dozen times, great for cold-water diving. Cost nearly \$500 when new. Make an offer. Call Charlotte after 5:30 pm at 463-3796

Men's Large Dry Suit with air hose, hood and gloves. Mint condition. \$450.00 firm. Phone Terry 468-4606 days or 465-3841 evenings.

Men's Medium/Large Dry Suit. New neck and wristseals. \$275.00 Firm. Phone Terry 468-4606 days or 465-3841 evenings

U.S. Diver triple console with high pressure whip. \$80. Call Colin Frazee-Whitelock at 864-1157(h)

... my first wreck dive

About Australia's mystery ship

The S.S. *Yongala* was launched at Low Walker on April 29, 1903. She was built by Sir W.G. Armstrong, Whitworth and Co. Ltd. at Newcastle-on-Tyne in the style of later Orient steamers. She had been ordered by the Adelaide Steamship Company and along with her sister, S.S. *Grant-ala*, was employed in regular transport service to ship goods and passengers between Melbourne and Adelaide.

The S.S. *Yongala* conformed to Lloyd's A1 requirements, was 363 feet long, 46 feet, 3 inches wide and had a depth of 30 feet. She was 3664 gross and 1957 net tonnage. Her propulsion system was on the triple expansion principle turning a single screw.

disembarked there. The usual crew changes took place and the S.S. *Yongala* set out from Sydney. She was never to make her destination, Brisbane. One of the last people to see the *Yongala* was the Lighthouse Keeper's daughter on Dent Island. News of a cyclone could not be relayed to the lighthouse and hence to the *Yongala* as, unfortunately, neither were equipped with radio. The *Yongala* disappeared around the bend, never to be seen again.

Over the years, salvage divers claimed that they had found the *Yongala*, however it was not until 1958 when the ship's sale was brought to the surface, could the remains of the S.S. *Yongala* be positively

Dive #1. 6:55 am ...

Enter the warm waters of North East Australia ...

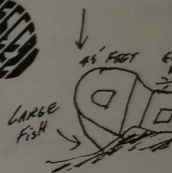
11 miles off Bowling Green ...

Final resting place of the S.S. *Yongala*.

A line has been secured hours previous by the Divemaster, running from the stern of our 90-foot Catamaran to the port side of the 360 foot cargo/passenger steamer. She was quite the vessel in her day, fit for the Spithead review. Sadly, on March 24, 1911 she came to rest on a gentle plain 100 ft. in the South Pacific.

Bat Fish greet us as soon as we begin our descent. These curious and playful fish swim out from under the catamaran, darting around until we reach 15 ft. where the Silver Jacks take over the watch. They suspiciously guard us till 30 ft. From this moment, sea life drops away. Below, the formidable presence of the S.S. *Yongala* rushes forward to welcome us ... my first wreck.

The dark form is barely recognizable — so engulfed with coral and life that its once graceful lines have been softened and blurred by the living cloak which now drapes over her superstructure. At the time of her perishing, the lives of people on board,



DOWN UNDER: THE S.S. YONGALA



About Australia's mystery ship

The S.S. *Yongala* was launched at Low Walker on April 29, 1903. She was built by Sir W.G. Armstrong, Whitworth and Co. Ltd. at Newcastle-on-Tyne in the style of later Orient steamers. She had been ordered by the Adelaide Steamship Company and along with her sister, S.S. *Grant-ala*, was employed in regular transport service to ship goods and passengers between Melbourne and Adelaide.

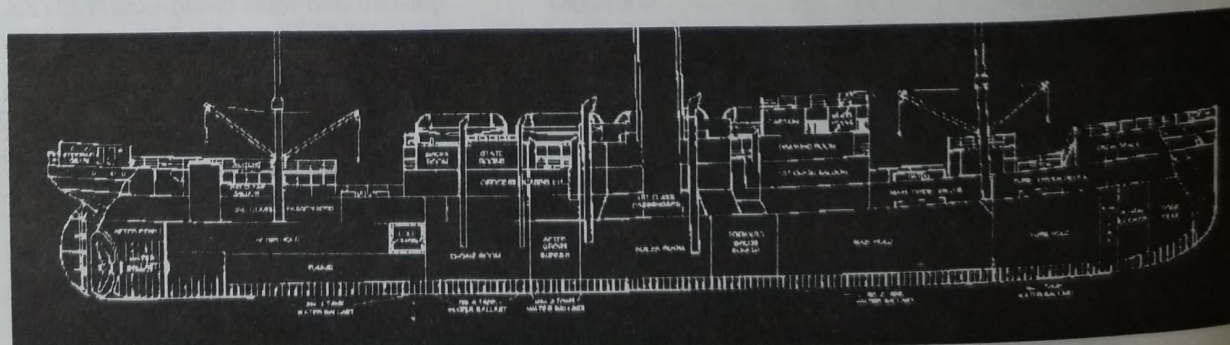
The S.S. *Yongala* conformed to Lloyd's A1 requirements, was 363 feet long, 46 feet, 3 inches wide and had a depth of 30 feet. She was 3664 gross and 1957 net tonnage. Her propulsion system was on the triple expansion principle turning a single screw.

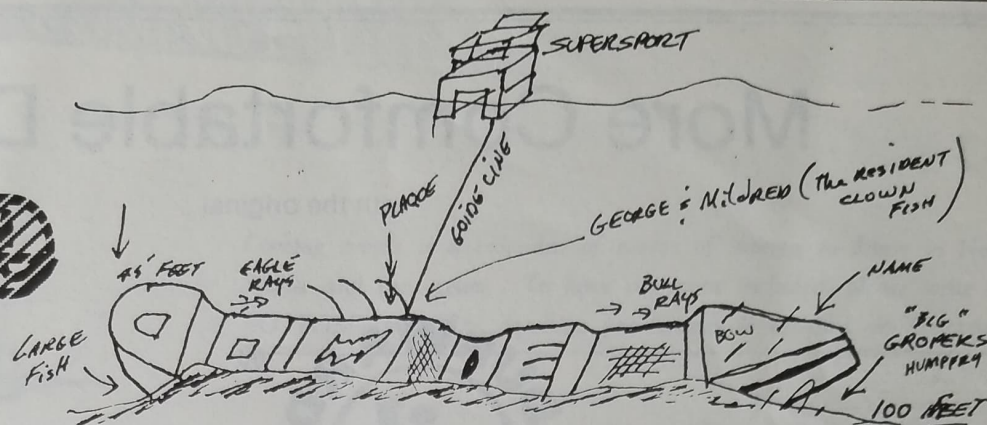
During her career, the S.S. *Yongala* enjoyed a fine reputation and had given good service to her owners. However, on March 14, 1911 the S.S. *Yongala* left Melbourne bound for Cairns on what was to be her last voyage. She put into Sydney two days later and most of the passengers

disembarked there. The usual crew changes took place and the S.S. *Yongala* set out from Sydney. She was never to make her destination, Brisbane. One of the last people to see the *Yongala* was the Lighthouse Keeper's daughter on Dent Island. News of a cyclone could not be relayed to the lighthouse and hence to the *Yongala* as, unfortunately, neither were equipped with radio. The *Yongala* disappeared around the bend, never to be seen again.

Over the years, salvage divers claimed that they had found the *Yongala*, however, it was not until 1958 when the ship's safe was brought to the surface, could the remains of the S.S. *Yongala* be positively identified. The contents of the safe were not discernable, the papers inside having been reduced to black sludge years before. It was only through the safe's serial number could the mystery of the S.S. *Yongala* be finally solved.

Excerpt from **S.S. *Yongala* - Dive to the Past** by Max Gleeson and Mae Elliott





Dive 21. 6:55 am ...
Enter the warm waters of North East Australia ...
11 miles off Bowling Green ...
Final resting place of the S.S. Yongala.

A line has been secured hours previous by the Divemaster, running from the stern of our 90-foot Catamaran to the port side of the 360 foot cargo/passenger steamer. She was quite the vessel in her day, fit for the Spithead review. Sadly, on March 24, 1911 she came to rest on a gentle plain 100 ft. in the South Pacific.

Bat Fish greet us as soon as we begin our descent. These curious and playful fish swim out from under the catamaran, darting around until we reach 15 ft. where the Silver Jacks take over the watch. They suspiciously guard us till 30 ft. From this moment, sea life drops away. Below, the formidable presence of the S.S. Yongala rushes forward to welcome us ... my first wreck.

The dark form is barely recognizable — so engulfed with coral and life that its once graceful lines have been softened and blurred by the living cloak which now drapes over her superstructure. At the time of her perishing, the S.S. Yongala took with her many lives of people on board, they could not survive, nor did they belong here, in the ocean. Now, the S.S. Yongala enjoys the greatest abundance and variety of marine life of any wreck in the world. What is considered a disaster to man, is considered an Eden to today's residents.

The S.S. Yongala rests on a flat expanse of featureless bottom, an oasis in a submarine desert. Creatures which pass this way have found reasons to stay. Over the years, a thriving Metropolis of encrusting sponges, soft and stony corals, bryozoans, ascidians, hydroids, bivalves and algae to name but a few, have arisen like some surreal Atlantis. The S.S. Yongala has become a refuge to every curious creature wandering by.

The S.S. Yongala is home to hundreds of Sea Snakes, Bull and Eagle rays of immense proportions, giant schools of Fusilier and Cardinal fish — the most famous of all are "George" and "Mildred" who have taken up residence in

the anenome just right of the brass plaque placed by the Australian Government identifying the wreck as the site where 121 people lost their lives to the sea and declaring the S.S. Yongala as a National Park to be preserved.

It was "George" who first greeted me, darting out from his anenome to savagely peck at my fingers — his way of shaking hands. I playfully poked him in return. The ritual over, "George" retired to "Mildred", fishhood still intact.

We moved along the port side descending to 90 ft., just under the bow. Thousands of Fusiliers, Cardinals, Silver and Mangrove Jacks whirled around us in giant living clouds of colour. We reached our destination — the home of the Giant Queensland Grouper. Four of these majestic beasts live in the shadow of the bow. The only thing I could think of like being met by 600 pounds of marine life was sort of like being met by a Volkswagen at the door, especially when one known as "Humphrey" displayed a little jealousy of anyone diving with his favourite Divemaster (our guide) and has a specific "Bump" way of showing it!

We ascend to 75 ft. and make our way over the deck toward the stern. Gaping holes are barely large enough for the massive schools of fish that transverse them. Huge Gorgonian fans bar our way. As we near the stern, many varieties of Black Coral interweave, buttressing and arcing into complex patterns of silver and gold. A huge ray effortlessly sweeps toward us over the patterns. Unconcerned, he maintains his collision course. A gentle nudge and he continues unaware of the profound effect he has had on me — life of such mystery and grace has swept me by. As sudden as he came, without warning he leaves me, swirling in its wake.

It is time to leave this magical place, to walk off the celluloid of Disney and ascend the line to the Catamaran above I've been calling home for the past ten days.

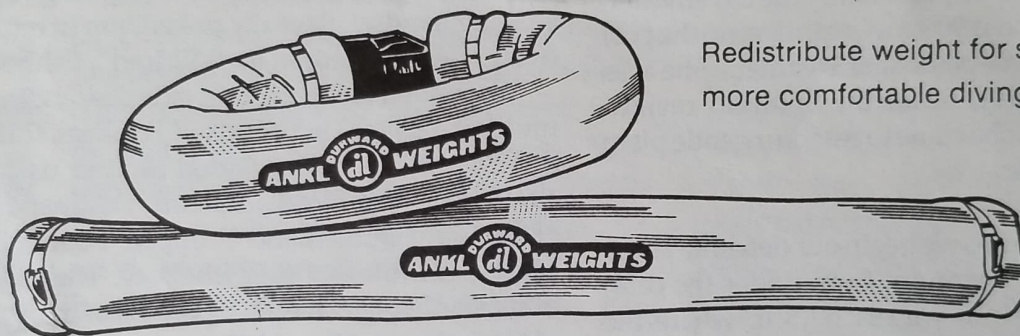
Over the next few weeks I would return to this kingdom and the Yongala, sharing her mysteries at night, moving deep inside her passageways, holds and engine room — where I would come face to face with human remains. Each, a new experience, a different experience, but what I would always remember most, is my first wreck dive.

Michael Covert

More Comfortable Diving

with the original

DURWARD[®] **ANKL *di* WEIGHTS**



Redistribute weight for safer,
more comfortable diving.

- Relieve back stress
- Reduce leg buoyancy
- Redistribute weight for more comfort
- Available in Regular (3.3 lbs.) or Long (3.9 lbs.)
- Improve buoyancy control
- For wet or dry suits

ASK FOR THEM BY NAME AT YOUR DIVE STORE

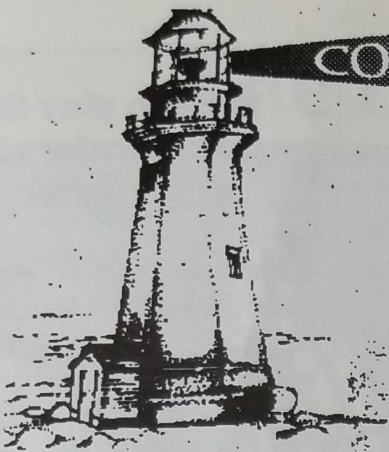


MANUFACTURED IN CANADA BY
DIVEMAR INC.



Exclusive Canadian Distributer of Cressi-Sub
37 Bentley Avenue, Ottawa, Ontario K2E 6T7
Telephone (613)226-8938

proud to be a sponsor of the Nova Scotia Underwater Council's membership lottery



COMING EVENTS

Coming events is a calendar of events of interest to divers in Nova Scotia and the region. To have an event included, please write to **BOTTOMTIME**. The deadline for listings is detailed on page two.

CFB Greenwood Club 1st Monday of each month, 7:00 pm Meeting at the Base Recreational Center.

Aqualantic Dive Club 2nd & 4th Wednesdays of each month Meeting at the MicMac Boat Club in Dartmouth, 7:30 pm, usually the second and fourth Wednesday of each month.

Underwater Hockey Wednesdays & Sundays Regular team meets Wednesday at the Dartmouth Sportsplex, 8:30 pm. New people meet Sundays, 9:30 pm. For more information, call Bob Trider (469-6440).

Nautical Decorations Tues. Dec. 4, 7:30 pm Spend an enjoyable evening making some unusual decorations from traditional sailors knots. There will be a small charge for materials. Maritime Museum of the Atlantic, Pre-register: call 429-8210.

The Maritime Museum Family Christmas Celebration Sun. Dec. 9, 7:30 pm Spend an afternoon celebrating Christmas as a Captain's family might have done on a Nova Scotian square-rigged ship of the late 1800s. Make some Victorian-style decora-

tions, trim the sailor's Christmas tree, sing sea shanties and carols with the Harbour Folk Society, hear stories of Christmas at sea and have a snack of cold cider and oatmeal cookies.

Christmas on the Calburga Sat. Dec. 15, 10-12 noon Pretend it is Christmas on one of the last square-rigged ships to sail out of Nova Scotia, find out how the Captain's children might have celebrated Christmas and make decorations using materials that might have been found aboard ship. Pre-register: call 429-8210 after Dec. 10.

DIVERS WORLD

▼ Mail Order ▼ Repairs ▼

We service all makes and models

"If we can't fix it, it's not broken"

- DACOR
- MARES
- U.S. DIVERS
- SHERWOOD
- SCUBA PRO
- POSEIDON
- SEAQUEST

Regulators ♦ Gauges ♦ Valves ♦ Wet suits
Dry suits ♦ Tanks: hydrostats done in house
Buoyancy Compensators
Band Masks ♦ Double hose regulators
Compressors overhauled and/or rebuilt

Divers World - now with the largest, most modern, best-stocked repair department in Atlantic Canada

Turn around time on most repairs - 3 days

1 Lakeside Place ♦ Unit 11 ♦ P.O. Box 314 ♦ Lakeside Industrial Park
Halifax County ♦ N.S. B0J 1Z0 ♦ Tel: (902) 876-0555 ♦ Fax: (902) 876-7079

'OPEN SUNDAYS UNTIL CHRISTMAS'

NEW PRODUCT INFO

Design Fax - for the diving community

The diving community - especially dive clubs and shops - will be interested in a new development in graphic design and service.

Now, if you have problems with your design, you can get it off your table and into the nearest fax machine. A new service offers a time-saving alternative for dive shops, clubs and groups in need of design consultation - especially those doing design and layout by the seat of their pants. Fax away your lay-out problems in exchange for same- or next-day redos to Design Fax from New Media Services Inc., a Halifax-based company that has been specializing in graphic design for the diving community. It designed and published *Passport to Diving* for the NSUC as well as *Bottomtime*, the 1990 Sea Hunt poster, and high profile newsletters for several of Metro's dive shops.

For a \$25 membership fee, dive shops can get quick-fix consultations for \$35 per letter-sized page. If you send the designers at New Media Services anything you can fit on a page, whether it's small ads, the inside of a brochure, or a one-page layout, they'll fax back new printouts of their modifications, complete with brief explanations and design tips. Amateur groups, such as dive clubs, will not be charged a membership fee.

Tony Seed of New Media says he continually sees ads and layouts from dive shops and others with the same problem: too complex, too much thrown together, not enough contrast, not enough graphics, or taste.

The service will be useful for those who don't have the experience, time, money or resources to design their own flyers, logos, publications or to hire a professional.

New Media is also pioneering another service - an image bank for sports and recreation, which includes diving. It is collecting copyright-free clip art to be stored on computer which can be accessed through fax or modem. While the complete service will be introduced in 1991, you can tap it for diving graphics at present.

Mr. Seed says that he also sees a need for centralizing a wide range of marine and nautical photo subjects from the Maritimes - with U/W photographer retaining copyright and receiving royalties on every sale - much like an art bank. (A client who borrows a graphic or photo is effectively renting an image in much the same way that books are borrowed from a library).

What is surprising is that this hasn't been done before. We are home to some

world class u/w photographers. There are many beautiful works and u/w photography is very popular, but the extent of the work is not known or very much appreciated - except amongst divers. Production of processed colour is also very expensive. It seems that we only see full-processed colour productions from the USA. Photographers and marine artists should contact New Media.

How to play the great membership drive lottery

1. How to play Simply register with the NSUC as an Individual, Family, or Associate member and automatically receive one entry in the contest. One entry is awarded for each person named in a Family Membership application. Receive an additional entry for renewing entry in 1991 prior to April 30, 1991. Also receive one entry for every 5 members recruited in the above categories. Recruited members must be new members or those who haven't been members since prior to the 1989-90 membership year. Mark the recruited member's application form conspicuously with "Referred by ____ (your name)."

2. Contest deadline All membership forms must be received with applicable membership fees by April 30, 1991. The Draw will take place at Subsea Horizons, May 4, 1991. The address for submission of forms and fees is: Membership contest, N.S. Underwater Council, P.O. Box 34, Armdale, Halifax, N.S. B3L 4J7.

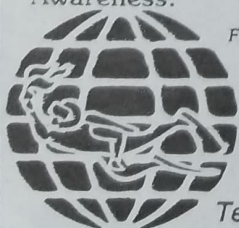
3. Eligible Contestants The contest is open to all members and non-members except NSUC Board of Directors, club membership registrars/secretaries and employees of donors. Dive shop employees and instructors are eligible, but may not win prizes donated by suppliers with whom their shop has an exclusive contract. Substitute prizes will be awarded instead.

4. Prizes They must be accepted as awarded - no exchanges and no cash equivalent. The prizes include Cressi-Sub regulator, Fitzwright/Sea Quest B.C. and air source, Suunto triple console, Sherwood Blizzard regulator and Spirit B.C., a Brooks custom wet suit with all options, and an Oceaner Sub-Arctic wet suit.

PADI Training Counts

New and Varied Schedule of Instructor Development Courses.
Promoting Environmental Protection Awareness.

For further details please contact



PADI

Canada

#3 - 10114 McDonald Park Road,
RR #3 Sidney, B.C. V8L 3X9

Telephone (604) 656-7234

The Principle. The People.

Discover Atlantic Canada's Scuba Choice

*whether it's a \$1 O-Ring or a \$1,200
dry suit, that principle is simple ...
our customer comes first - always;
a cliché with others,
a fact with us:*

*... in service
... in instruction
... in sales
... in charters.*



Northern Shore Diving Centre

— established 1977 —

SHERWOOD  **mares**

- ◆ now with the largest inventory and the lowest prices in Atlantic Canada;
- ◆ the largest rental and service department;
- ◆ and the largest training facility;
- ◆ able to teach you to dive anywhere in Atlantic Canada;
- ◆ free demo dives - Halifax area;
- ◆ the region's only PADI 5 Star Training Facility - your assurance of our commitment to excellence, quality service, pure air, education, ethics & community involvement.

We're open 7 days a week

Tuesdays is free air fill day

1549 Lower Water Street

Halifax • Nova Scotia • B3J 1S2

Tel (902) 429-8265 • Fax (902) 425-1414

TEAR OFF AND SEND TODAY

Name: _____

Address: _____

Place: _____ Prov.: _____

☐ Please send me your free catalogue

CALL TODAY TO RECEIVE OUR NEW NORTHERN SHORE NEWSLETTER
AND CHRISTMAS FLYER LISTING OUR SPECIALS OF THE SEASON

SNORKEL WITH US!

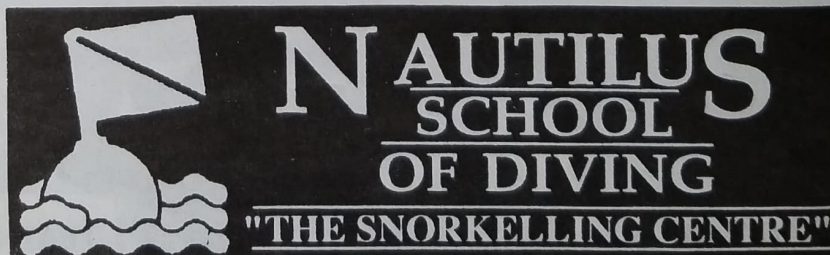
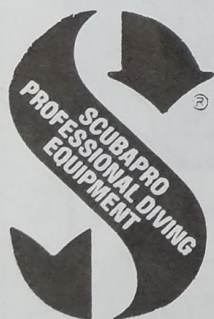
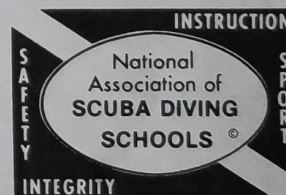


CHARTERS

SNORKEL CLASS & TRIPS

SALES & SERVICE

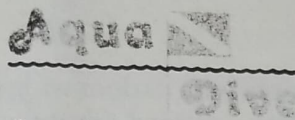
RENTALS



MICHAEL CHAMBERS, CERTIFIED NASDS INSTRUCTOR

6164 Quinpool Road, Halifax, Nova Scotia B3L 1A3

Tel: (902) 454-4296 Fax: (902) 423-0007



Scuba Shop

77 Prince Albert Road
Dartmouth, N.S. B2Y 1M1

Bus.: 469-6948

SALES - SERVICE - RENTAL - INSTRUCTION - U/W PHOTOGRAPHY
COMMERCIAL DIVING



Northern Shore Diving Centre Est. 1977

Atlantic Canada's Choice Scuba Supply Shop

Sales & Service - Rentals - Instruction - U/W Photography
& Video - Dive Charters - Diving Equipment for all
Applications - Sport - Commercial - Military

Open 7
Days
A
Week

LORNE PIERCEY
COURSE DIRECTOR

1549 Lower Water St.
Halifax, N.S.
B3J 1S2
1-902-429-8265
Fax: 1-902-425-1414

Mail order service • • • Free price lists & catalogues



CHRISTIE'S DIVING SERVICE

VIKING • WHITE'S • U.S. DIVERS • NOKIA
POSEIDON • AGA • TECHNISUB
DIVING SYSTEMS INTERNATIONAL

Sales, Service, Air Station, Video, Commercial Diving

Shelburne, Nova Scotia

875-3732



Nautilus
School of Diving
6164 Quinpool Road
Halifax, Nova Scotia
B3L 1A3

Michael Chambers
Certified NASDA Instructor

Tel: (902) 454-4296

CUSTOM WET SUITS WORKS

Custom Made Suits
Repairs & Alterations to
Wet Suits & Dry Suits

NANCY McMASTER Ph. 465-6675



DACOR CANADA LTD.
Manufacturers of Diving Equipment
P.O. Box 391, Ft. Erie, Ontario L2A 5N1

Manufacturier D'Equipements De Plongee

Jean Claude Laurier
Gerant Des Ventes - Est Canada
Eastern Canada Sales Manager
(514) 435-8144

FAX (514) 437-8592

J. ROLAND MORRISON BARRISTER & SOLICITOR

30 Leaman Drive
Dartmouth, N.S.
B3A 2K9
463-3796

Real Estate - Wills - Litigation

BOB STATHAM



120 Shearson Cres.
Cambridge, Ontario
N1R 3S8

Phone 1-519-740-1210
Fax 1-519-740-7303

PASSPORT TO DIVING

SPECIAL INFORMATION ♦ USEFUL KNOWLEDGE ♦ DIVE SITES & OFFSHORE WRECKS

BY REGIONS OF NOVA SCOTIA

The Nova Scotia Underwater Council

now available 48 pages (illustrated, with map) \$3.00

\$1.00 for postage & handling ♦ U.S.A. \$4.00 plus \$1.00 for postage and handling

Write to the Nova Scotia Underwater Council, PO Box 34, Armdale, Halifax, N.S. B3L 4J7

"The Daiquiri Dive" ... from page one

when we were chest deep, descended through the slush into the quiet shallows below.

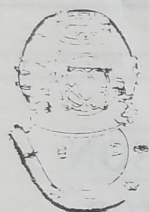
The previous day's snow had formed miniature ice particles which narrowed the visibility to about 3 feet, but as we descended to under 10 feet, the visibility increased dramatically to as far as our lights would reach. Look! there's a wolfish 'sunning' itself in the moonbeams that filtered down. See, over there, a couple of lobsters scurrying about their affairs. The best one of all was the skate, effortlessly approaching us with not a care in the world. We held still while the skate, attracted by our lights, glided up to our masks and gently rubbed noses as if to say "Hmmm, and who are you?" I reached out my arms as wide as possible and still could not reach its wingtips. As gracefully as it had arrived, the skate bid us farewell and returned silently, disappearing from our lights.

We found an old refrigerator at about 40 feet, standing

upright with its door wide open. There were old quart beer bottles scattered around, crabs and lobsters lazing by, a scene that would have fit well with Alice in Wonderland!

It was time to surface. As we ascended, we put our outstretched hands up and then popped up through the slush. It reminded me of many a nature show I had watched with the groundhog digging through the snow to search for its shadow. We were only about 50 yards from where we had entered, and slowly made our way ashore. Once ashore and while changing, we talked about the dive, as is our custom.

It had been a magnificent experience. The water was so still and clear, the marine life so unaware of intruders and we had been privileged to be a part of it for such a brief moment in time. One buddy likened swimming through the slush to being in a giant daiquiri and, since that day, it has come to be known as "The Daiquiri Dive"



DIVERS WORLD

1 Lakeside Place, Unit 11 • P. O. Box 314
Lakeside Industrial Park • Halifax Co., N.S. • B0J 1Z0

"5 minutes from the Armdale Rotary
on the St. Margaret's Bay Road"

TERRY DWYER
General Manager

Bus: (902) 876-0555
Fax: (902) 876-7079

"Quality Satisfies . . . it always has . . . it always will"



Evelyn Bracegirdle

Eldon Industries of Canada Inc.
500 Esna Park Drive, Unit 13
Markham, Ont L3R 1H5
1-800-263-3312 (416) 475-9407

DISTRIBUTORS OF TABATA / CORAL

Dive Masters

211 Pleasant Street
Woodside Shopping Centre
Dartmouth, N.S.

★ PADI Instruction ★ Repairs
& Service ★ Charter Work

465-2526

Jim Henneberry

John Theobald

(604) 685-5485

(604) 685-5251

ENVOY: COAST TO COAST

COAST TO COAST
SPORT AND SCUBA INC.

P.O. Box 3880, Vancouver, B.C. V6B 3Z3

PRINCETON
TECHNICS

AQUASEAL

Diving ★ Star



W.H. BRUCE MARSHALL
SALES MANAGER

CROSS COUNTRY PARTS DIST. LTD. BUS. (403) 250-7729
4418 - 10th STREET N.E. (403) 250-7054
CALGARY, ALBERTA T2E 6K3 FAX (403) 250-2419



Searching for divers?

Advertise in **BOTTOMTIME** ...

A publication with its head above water.

VIKING CANADA

(DIVING AND SAFETY) LIMITED

GARY E. JANEWAY
President

1874 Hwy. # 20, Unit # 5, Allanburg
P.O. Box 194, Fenwick, Ontario L0S 1C0
Telephone (416) 892-2673
Fax (416) 892-8835

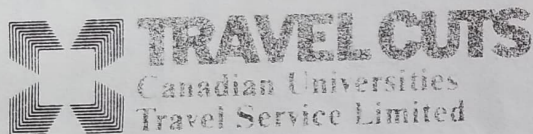
Viking • Interspiro • Tekna • Ots • Poseidon

COLTRI SUB DIVING GEAR

Professional Diving Equipment
BCD's Regulators Consoles
Portable 3.5cfm High pressure & Low pressure
(Hookah) compressors

Atlas Importers Ltd.
Surrey, B.C.

#9 17942 55th Ave., V3C 6C8
Tel. (604) 675-2262 Ask for Rob



Susan Vincent, CTC
Manager



6139 South Street, Halifax
Nova Scotia B3H 1T4 (902) 494-7027



KEDDY'S HOTELS & INNS

JOHANNA TOWSEY
BANQUET CO-ORDINATOR



KEDDY'S
HALIFAX HOTEL
20 St. Margaret's Bay Rd.
Halifax, N. S.
B3N 1J4

TELEPHONE:
(902) 477-5611
FAX:
(902) 479-2150



Moving?
Please send us
your new address
and postal code.

NSUC Lending Library

SUBJECT

	NO.	NO.
Sport Diver Open Water		
(Vol. 1) - Parts 1 & 2	VIDEO	1
1: Using Skin Diving Equipment		
2: Using Scuba Diving Equipment		
Sport Diver Open Water	VIDEO	1
(Vol. 2) - Parts 1 & 2		
1: The Diver Underwater		
2: The Diver at Depth		
Buoyancy - Out of Air 1	SLIDES	1
Buoyancy - Out of Air 2	SLIDES	1
Accident Management - Rescue 1	SLIDES	1
Accident Management - Rescue 2		1
Promotional Program	SLIDES	1
Tape - For the Above		1
Underwater Louisbourg	FILM	1
SCRIPTS N/A		2
Underwater Hockey	VIDEO	1
Hyperbaric	VIDEO	1
Hyperbaric (Beta)	VIDEO	1
Drysuit Instruction	VIDEO	1
Drysuit Instruction	SLIDES	1
Script (For The Above)		1
Sport Diver Advanced (Vol.1)	VIDEO	1
1: Diving Equipment		
2: Boat Diving		
3: Underwater Navigation		
Sport Diver Advanced (Vol.2)	VIDEO	1
1: Limited Visibility Diving		
2: Diver Stress and Rescue		
3: Deep Diving		
Neal Watson's Undersea Adventures	VIDEO	1
Underwater Louisbourg Heritage		
English and French	VIDEO	1
AUSTRALIA - DISCOVER IT	VIDEO	1

ALL VIDEOS ARE VHS UNLESS OTHERWISE STATED

LIBRARY LENDING POLICY:

There is a \$10.00 deposit for each item borrowed from the library. The deposit will be forfeited if the item borrowed is not returned within 21 days from the date of posting to the borrower. All costs incurred in shipping payable by the borrower.

Contact Colin Frazee-Whitelock Tel: 864-1157

The Nova Scotia Underwater Council Association of Divers - our objectives

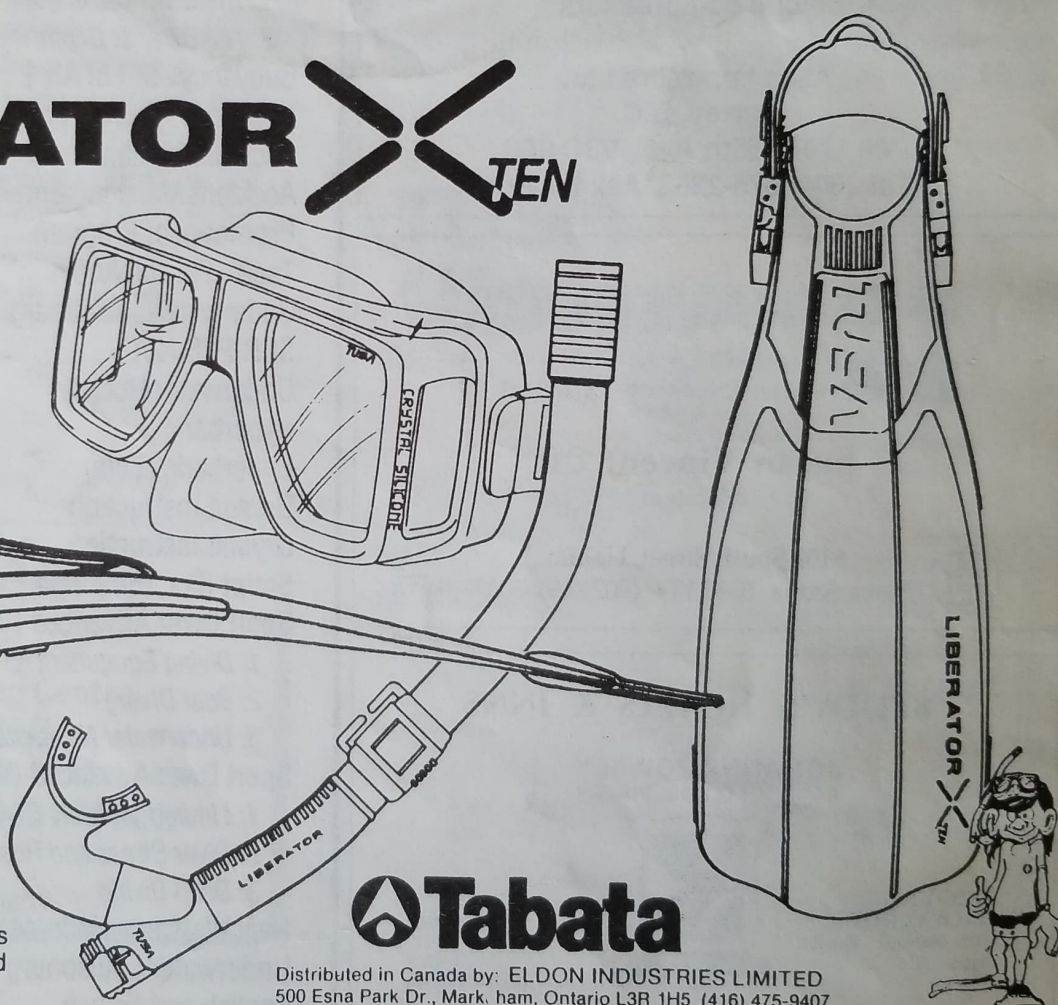
- 1) To be a representative body for the scuba diving community so as to preserve, support, and promote diving and diver safety in the provinces;
- 2) To ensure that training programs are given to a recognized level of quality, to foster and encourage the safe handling and usage of all approved types of equipment used in the sport of scuba diving;
- 3) To make available to all members information concerning safety, medical, technical, and research data concerning the sport of scuba diving; and
- 4) To cooperate and participate with the provincial government on projects and policies that lead to the recognition of sport diving as a significant recreational activity.

LIBERATOR **TEN**

Around the world, Tabata products set the standards - in performance, durability and style.

Our products are full of life. Energetic. Brilliantly beautiful. And above all, thoroughly functional. Performance is our primary goal.

X-Ten split lens mask features corrective lenses and two side panels for increased light and peripheral vision. The revolutionary flexible blade design of the X-Ten fin gives powerful propulsion and stability without fatigue. Hypo-allergenic silicone snorkels include swivel mouthpieces and purge valves.



 **Tabata**

Distributed in Canada by: ELDON INDUSTRIES LIMITED
500 Esna Park Dr., Markham, Ontario L3R 1H5 (416) 475-9407

In our next issue

"Yes, Virginia, There Is Winter Diving!"

And then the real world - The diving industry and recession; Dive clubs and the GST ♦ 1990 Season in Review ♦ U/W photographic techniques - "What camera to use" ♦ Travel - "Diving the Red Sea" ♦ Diving & Nutrition ♦ Nova Scotia Shipwrecks ♦ Product Info ♦ News in Brief & Comment ♦ Coming Events ♦ Subscribe Today