

The Scuba Scoop

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50 IRCs

The Official Newsletter of the
Saginaw Underwater Explorers

-Serving the Tri-Cities since 1958!

<http://community.mlive.com/cc/sue>

<http://www.saginawunderwaterexplorers.com>



Club Meetings-
7:30pm on the 2d Tues
of each month. Held at
Sag. Twp. Fire Station #1
on Shattuck Rd

Officers-
President:
Mike Peterson 792 3664
Vice-President:
Terry Lisk 777 1956
Secretary:
Deanna Peterson 772 3664
Treasurer:
Tom VanDenBoom 686 3176
Compressor Chair:
Mike Kowalski 892 2028
Board Member at Large:
Don Cunningham 799 4385
Editor:
Don Storck 642 8436

Club Dues-
\$25 per year

next meeting: Oct 12

This Meeting- 14th

Inside....

*Club Specialty Dive
Night Dive?
Contest Solution
and New Question
BC Recalls!
Dive News?*

** Support Our Troops!**

Remember 9-11

*also selected short
subjects*

Special Dives Certification

It has recently come to the editor's attention that certification exists for certain outside-the-mainstream types of dives. More common are Nitrox/Mixed Gas, Cave, Ice, Wreck/Penetration Diver, etc. I can't confirm this, but supposedly you can be certified as a Fossil Diver, an Artist Diver, an Underwater Wedding Diver, a Kayak Diver, and more. Your imagination might be the upper limit here.

Why don't we propose some specialty certification unique to the club? How about 'Saginaw Bay Diver'? 'Saginaw River Diver'? How about '33 degF Diver'? How about 'Dioxin Diver'?

OK; back to being serious- The club can offer some specialty dives; we've talked about an ice dive for the last few years, but the weather hasn't cooperated. Let's start with a night dive (see later article). What's the criteria for a night dive? Anything after sundown? Do we have a resident expert? We need an able-bodied soul to take the helm!

Dive Mask Magnification

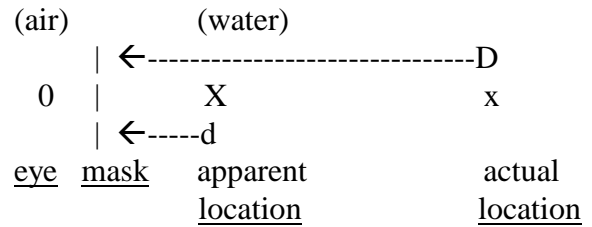
Recall 2 issues ago the open contest to explain why those fish you see while diving always seem bigger than reality. I realize it was hard to wait two months for an answer, but the SCOOP is now ready to provide the definitive explanation.

The easy answer is- the refractive index of water. Water is more optically dense than air, and light slows down in it. The index of refraction of water is defined to be the ratio of the speed of light in vacuum(air) to the speed of light in water ($n = c/s; \sim 1.33$). Light speeds up when entering the air from water, and if angled bends at the boundary. This is why objects seen through the surface of water aren't where they seem. (As an example, poking a pencil through a water surface appears as if bent.)

Underwater, you are looking through air directly at an object in water, and the flat glass in your mask is no factor. The mask only provides an air space adjacent to your eye.

If D is the actual distance (from your mask) to the object, and d is the apparent distance, $d = D/1.33$. This is the same as viewing a coin at the bottom of a glass of water; it seems higher than it is.

(see sketch)



As an example, let there be an object 24in in front of your mask. Then d the apparent distance is $24/1.33 = 18$ in. This closer image then appears larger.

A fish, however, has eyes that are designed to see immersed in water. The fish knows exactly how close you are, and stays out of your reach!

The SCOOP thanks each person entering the contest, and the winners' gift certificates are in the mail.

**** New Contest Question** - What is the term for a gathering of ships at sea where they heave to so that the crews may exchange news?**



Proposed Night Dive-

The SCOOP hereby officially calls for a club night dive in the next two weeks following this meeting. Your editor has reserved Kings Lake in Hemlock for the event; a convenient fairly shallow warm water lake. What's your pleasure; a Fri or Sat night dive? Contact Don Storck and we'll work out a plan.

(-King's Lake)



Critical News!- BC Equipment Recalls

1. Halycon Manufacturing of High Springs, FL, has issued a recall for about 4000 Halycon SCUBA Buoyancy Compensator Inflators. They are recalling all stainless steel power inflators; these have a stainless steel oral and power inflate button. Plastic inflators are not included. Repaired inflators can be identified by a groove at the base of the retainer nut. BCs having the recalled inflator can be identified as black, and having the Halycon logo on the front and on the collar. The recall is based on a possible slow leak in the inflator. For further information, call 1 800 425 2966 and tell them you read it in the SCOOP.

2. Pelagic Pressure Systems of San Leandro, CA, is recalling about 11600 Oceanic-brand Reliant Buoyancy Compensator Inflators and AERIS-brand AW3 Buoyancy Compensator Inflators. The Oceanic Reliant-type inflators can be identified by three flow-through holes in the hand grip of the lower inflator mechanism. The AERIS AW3 inflator has one flow-through hole in the hand grip of the lower inflator mechanism. These power inflator buttons can stick, causing uncontrolled inflation of the BC.

For further information, call 1 888 854 4960 or email Service@oceanicusa.com or info2@diveaeris.com and tell them you read it in the SCOOP.

Dive News?

Did anybody make the Straights of Mackinaw trip? How about a report at the club meeting? As a matter of fact, this is the weekend of the Tobermoray trip. Hopefully someone making the trip can report on it at the club meeting also. And the SCOOP will still accept any pictures for next month... Plan now; when/where are we having the underwater pumpkin carve? Maybe we can make this a specialty dive for certification also.

FYI-

Approximately 10 people formerly receiving a mailed hard copy of the SCOOP have been removed from the mailing list as a result of not being current in club dues. Each issue costs \$.32 printing, and \$.37 postage, x 12 issues per year. If you know someone who no longer is receiving the SCOOP, please advise them accordingly. On the other hand, the e-SCOOP is available free to anyone requesting it.

'04 Schedule

Sep	9-12	Tobermoray Dive Trip
	14	Club Meeting
Oct	12	Club Meeting
	TBA	Pumpkin Carve Dive
Nov	9	Club Meeting
Dec	14	Club Meeting



previous night dive; King's Lake

Scuba Scoop

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For local sales convenience, remember **DIVERS BERTH 2356 Delta Rd. 667 8700** www.diversberth.com

For Sale

1. John Deere Belly Mower \$65 (NOW \$50)
Don at 642 8436

Wanted

Balloon crew needed!

Hi to all of you! I think most of you know that I've been working on getting my pilot's license for a hot air balloon. Well the day has finally come! Now I need some reliable ground crew people. If you help me three times, I'll owe you a ride (I won't always be able to be that generous, but that's the deal for now). It's not terribly difficult, but there is heavy lifting involved. If you're interested, reply back with your phone number, or call me at 686-6087.

Thanks--and look for me in the big blue balloon in the sky!

ms_mojorisson@yahoo.com

Policy and Disclaimer:

Items listed in For Sale/Wanted will continue to be listed for one year unless the "Scoop" is notified otherwise. Saginaw Underwater Explorers and "The Scuba Scoop" are not responsible for anything posted here.