

# The Scuba Scoop

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SEPT 2002

50c

The Official Newsletter of the  
**Saginaw Underwater Explorers**  
-Serving the Tri-Cities since 1958

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



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

**Officers-**  
**President:**  
Val Geldans 781 1552  
**Vice-President:**  
John Ruthig 781 1512  
**Secretary:**  
Mike Peterson 792 3664  
**Treasurer:**  
Terry Lisk 777 1956  
**Compressor Chair:**  
Don Cunningham 7994385  
**Board Member at Large:**  
Joe Jablonski 893 7970  
**Editor:**  
Don Storck 642 8436  
**Dive Coordinator/Ambassador:**  
Tom Fritz 771 3649

**Club Dues-**  
\$25 per year  
**This Meeting:**  
Sept 10  
**Next Meeting:**  
Oct 8

*Club Meeting Blues*  
*Dive News (the Straits!)*  
*And Local Dives*  
*Scuba Physics*  
*Calendar*

*and selected short*  
*subjects*

*In This Issue...*

## August Meeting-

Was almost no meeting... The number of members attending barely filled the first tables. The only officer showing up was Secretary Peterson, who ran the basics of the meeting; then voted himself a raise. On a positive note, a number of new divers attended to familiarize themselves with our club to consider joining. We certainly appreciate their visit, and hope they come back. Let's take them on a dive!

## Dive Reports

This past weekend was the annual SUE Mackinaw Straits dive, and reports to the editor are that it was great! Only 4 divers made the trip; Dale, Joe, Don C., and Mike P., and their choice of weather turned out excellent. On Friday they dove the Maitland and the Northwest; both about 70'. Saturday the water was a little choppier, but still good diving; the Eberward (140') and the Minneapolis(120'). There was a significant current on the Minneapolis. Sunday was still great, and they did the Eberward a second time; then the Sandusky(70'). Mike states the screw thump of a freighter going by above was a unique experience. Dale had his camera going, and should have some good pics of the dives. Visibility was good on all dives, and the water temperature at depth was about 42'. All these wrecks are located west of the bridge.

Closer to home, Mike and Deanna P., and Don S. tried diving the backwaters of Wixom Lake. The water looked great from the surface, but vis was bad once we got in.



Backwaters of Wixom Lake. Beautiful on surface...

Another splash dive Mike, Deanna, and Don did was King's Lake in Hemlock. This is close, warm, comfortable, and less than 100' deep. Vis could be a little better at this time also.



First in the water! Mike and Deanna in King's Lake



Last one in... "Is it really warm?"

**Compressor Chair** Don Cunningham reports the compressor doing fine. It has at least 20 hours to go before an oil change. Also, all indicator lights are working.

## Unidentified Artifacts!



The object on the left was recovered from King's Lake; it resembles a type of plug about 5" dia, soft plastic. Perhaps used to plug a hole in a dry suit? It will be on display at this month's club meeting; the first person able to properly identify it is up for a cup of coffee as a reward! The object on the right was recovered from Wixom Lake; iron(now rusty), appears to be a bar with a round projection at one end. Some type of old swivel? Disclaimer: Neither artifact was removed from a preserved site...

## Scuba Lesson #1

Can you use a hose to breath at the bottom of a 10' pool? Why/why not? Suction? There's no such thing as suction. What causes any fluid(air, water) to move from one end of a pipe to another? A pressure difference! What enables you to drink with a straw? By flexing your diaphragm (expanding your lungs), you create a lower pressure at your mouth, and standard air pressure pushes the liquid through the straw.

When diving with proper equipment, you breath with air at approximately the same pressure as the depth pressure. Your body is also compressed slightly to that pressure, and your blood is also at that pressure. To breath in, you flex your diaphragm which causes a slight pressure difference between your lungs and regulator. Your regulator opens, and gives you a surge of air available due to the higher pressure of the tank. You do NOT suck air in.

So why can't you inhale through the hose? Recall your scuba instructor teaching you you live at the bottom of a sea of air. The weight of the air on you causes a

pressure of 14.7psi (lb/sq in). This is equivalent to 2117psf (lb/sq ft). Now, you were brought up in this, and your body is equalized and well suited to it. But, at the bottom of a 10' pool, you now have the additional pressure of the water on you. Since fresh water weighs about 62.4 lb/cu ft, at 10' this is an additional pressure of 624psf acting on you. Assuming a chest area of 1 sq ft, it would be like having a weight of 624 lb on your chest as you try to inhale. Is your diaphragm strong enough? Chances are, the first thing that would occur is you would exhale. You wouldn't be able to inhale by expanding your lungs. Your lungs could collapse further! Since your blood is still pressurized, it would flow into your lungs (known as lung squeeze). This is a dangerous situation, and should NOT BE TRIED! (More math on this by request-Don Storck)

## 02 EVENT CALENDAR

|              |                 |
|--------------|-----------------|
| September 10 | Club Meeting    |
| October 8    | Club Meeting    |
| TBD          | Pumpkin Dive    |
| November 12  | Club Meeting    |
| December 10  | Club Meeting    |
| TBD          | Christmas Party |

## Olympus News!

The Olypus Dive Center reports they just had 12" of rain in the last week! In spite of the rain and clouds, vis was still pretty good; about 40-50 ft on the U-352 and the Schurz. Water temperature is about 78 .

They are offering some advanced dives; the Naeco on the 21<sup>st</sup>, and the Cassimir on the 22d. Also scheduled are (via Midnight Express)

Caribsea Sept16  
Atlas 17  
Papoose 18  
Schurz 19

(also lobster dives) contact them at

[Olympus@starfish.net](mailto:Olympus@starfish.net)

**(This space reserved for the new NC diver!)**

## Scuba Scoop

Don Storck  
3273 N. Raucholz  
Hemlock, MI  
48626



The SCOOP is trying to increase delivery by e-mail. Note you do not have to be a member to receive this. For a free e-subscription; just send e-mail to

[dstorck@hotmail.com](mailto:dstorck@hotmail.com) with the word 'subscribe' in the subject. Sign on your friends!

## For Sale

Mike Kowalski has a new Scuba Pro BC; labeled XL but really L. Has club lift, Poseidan inflator, front adj shoulder straps. \$150. Also Harveys 'Titanium' gloves (L) \$40. Still taking orders for club T-shirts; maybe other lines. Check at 8922028

Val Geidans has a new 5mm one piece wetsuit. OCEANreef therm-x suit XL; retails at \$325. For the right caller, \$165! Talk to him for details at 7927077 or 7811552

Tim Cambell (893 1568) has a commercial dry suit (off shore) with 2 sets of insulation (light/heavy), hood, boots, finger gloves, SAS regulators with Tekna Computek dive computer, Atpac B.C., fins, 2 tanks- 72s, twin tank bands, yoke, and misc items.  
Excellent condition. All for \$2000.

Dan Palmer (689 5197) has blue plastic coated weights; \$.50/lb. 25lb Pro shot belt; \$20. Small dry suit w/ woolies; \$75. Large dry suit w/ woolies; \$250.

For local sales convenience, remember  
**DIVERS BERTH 2356 Delta Rd.**  
**667 8700** [www.diversberth.com](http://www.diversberth.com)

## Legal Notice:

Be advised a proposal is being considered to change the constitution to read- new members will pay a \$25 initiation fee to cover their dues upon joining; then they will fall under the regular membership dues stated previously.

## Wanted

Ron Burkhard is looking for a 40 cu ft Pony Tank.  
Contact him at 989 428 5177  
or e/m [rapturejmb@hotmail.com](mailto:rapturejmb@hotmail.com)

Mike Peterson is looking for any size tanks; call Mike at 792 3664

ANY NEW ITEMS? ANY ITEMS THAT CAN BE DELETED?

## 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.

## Compressor Concerns? Air Cards?

C/C Don Cunningham anytime at 799 4385