

S'NAG-A-NEWS

A PUBLICATION OF THE COLUMBUS SEA NAGS HTTP://WWW.SEANAGS.COM

May, 2014

Don't Miss MAY Program: CBUS Fire Underwater Recovery Team & Equipment!!

This Issue

General Meeting Minutes	p. 1
Calendar	p. 1
Executive Meeting Highlights	p. 2
Dive Reports	p. 2
Environmental News	p. 2
Log Book	p. 4
Parting Shot	p. 6

General Meeting Minutes

Present: Rob welcomed new member, Bob Bailey, Marty Bailey, Adam Biehl, Rick Blaine (Welcome back!), Andrea Caito, Josh Carney, Andy Dennis, Capt Bob, John Guegold, Danny and Yung Holt, Glenn Mitchell, Ryan Parkevich, Steve and Maggie Ranft, Rob, Laurel Sheppard (N = 17)

Announcements

1. The Club donated \$75.00 to the Winter Special Olympics in Delaware in the name of Rod Maxson; gave Debbie a special color edition of the newsletter as well as a portfolio of color photos of Rod from Club files as well as from all of you who sent snapshots to Rob.
2. Announced a \$100.00 gift card to be raffled at the club banquet, with ticket entries based on member monthly attendance at the monthly General Meeting. See Rob for details.
3. **A. Circleville Twin Quarries** announced 2014 dive rates as follows:
 - Annual Membership = \$175
 - Day Pass = \$ 14
 - Weekend pass = \$ 25**B. White Star** has increased its 2014 dive fee to \$20 per person, per day; \$175 per season pass pp; \$8 fills; \$12 Nitrox fill.

Additional Announcements

4. 2014 Club membership dues are \$20.00. 2014 Ohio Council dues are \$9.00.
5. Club logo patches and decals are available

to new club members as a part of their membership dues. Returning members can purchase extra decals/stickers at a cost of \$1.00 each—these are plastic/waterproof--and extra patches for \$2.00 each.

6. Facebook: You can find the Club Facebook forum by going to: <http://en-gb.facebook.com/pages/Columbus-Sea-Nags-SCUBA-Divers-/289276535926?v=wall>, thanks to Andy Dennis.

7. Twitter page!!: Thanks to **Josh Carney**, the club now has a **Twitter page**: <@CbusSeaNags>. Check it out today!

Calendar of Upcoming Events

2014

May

- 1 General Meeting@ Planks, 8:00 PM. Columbus Fire Underwater Recovery (Tent)
- 3-4 MAST Annual Banquet & Workshop. More info @ www.ohiomast.org/annualdinner/
- 4 Club dive – Lancaster Lakeview Park, Details TBA
- 15 Executive Meeting @Planks 7:00PM

June

- 5 General Meeting@ Planks, 8:00 PM. Dive Medicine (TBA)
- 7 Twilight Movie, *Run Silent, Run Deep*, Dive-In & Cookout @ C'ville Twin Q (Details TBA)
- 18 Executive Meeting @Planks 7:00PM

July

- 3 General Meeting@ Planks, 7:00 PM Social. **No** official program or formal meeting
- 17 Executive Meeting @Planks 7:00PM
- 19 Twilight Movie, *The Creature from the Black Lagoon*, Dive-In & Cookout @ C'ville Twin Q (Details TBA)
- 19 – 20 DAN BBQ Portage

August

- 7 General Meeting@ Planks, 8:00 PM. Public Safety diving with John Sanders & Doc Whittington (Tent)
- 9 Corn Roast/Gear Swap, Movie: **Rudy Whitworth Sea Horse Productions Underwater Photographer** (Tent) and a Dive-In (Details TBA)
- 21 Executive Meeting @Planks 7:00PM

September

- 4 General Meeting@ Planks, 8:00 PM. Dive Medicine (TBA)
- 13 Twilight Movie: Sea Hunt episodes, Dive-In & Cookout @ C'ville Twin Q (Details TBA)
- 21 Executive Meeting @Planks 7:00PM

October

- 2 General Meeting@ Planks, 8:00 PM. Nominations for club officers, Sea Grant update (TBA)
- 23 Executive Meeting @Planks 7:00PM

S'NAG-A-NEWS

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May, 2014

November

6 General Meeting@ Planks, 8:00 PM. Elections
8 or 15 ??or Dec. 6 Annual Banquet, Location TBA:
**Featuring Tony Gramer: Diving Socorro Islands and
Fresh Water Wrecks (Tentative)**
13 Executive Meeting @Planks 7:00PM **IF NECESSARY**

December

4 General Meeting@ Planks, 8:00 PM. Awards
6 Annual Christmas Party. Details & Location TBA
31/1 8th Annual New Year's Eve Dive & Cookout.
Details TBA

Program: Special thanks to **Marty Bailey** for his slide show on Bermuda and diving/snorkeling Bermuda caves.

Executive Meeting Highlights

7PM@Planks, 4/17/2014. Present: Josh Carney, Glenn Mitchell, Maggie & Steve R, and Rob

1. Discussed advertising flyers for first twilight dive cookout & movie.
2. **Treasurer's Report:** Checking 1,176.51; Petty cash \$65.49; Total Checking = \$1,242. Finneran Bequest = \$5,000. Paid/comped members = 28.

Dive Reports

Please send dive reports to
<newsletter@seanags.com>

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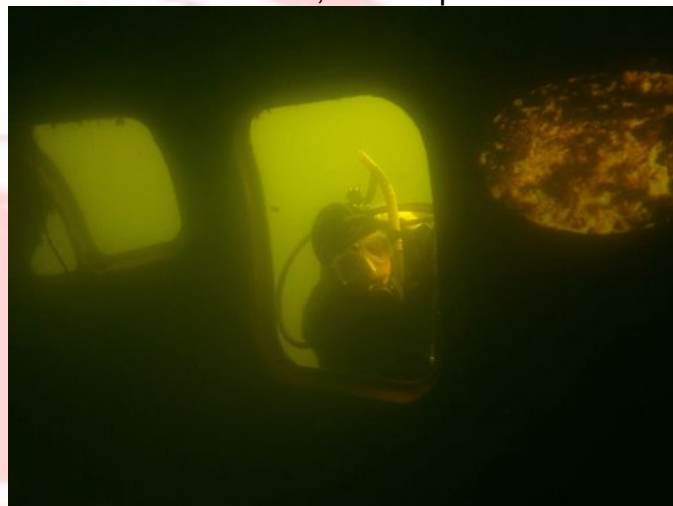
None reported

Oral

Written

Circleville 4/6/2014. A delightful sunny Sunday morning greeted John Guegold, John Skobel and I after what seemed like a long hiatus from the quarry. After filling our tanks and catching up on the news with John Sanders, just back from Florida, we quickly donned our gear and head for the underwater platform in the south Q. Vis was a hazy 6' – 10', water temp was 47° on the east side and 48° on the west, up about

3° – 4° from a month ago. No sign of the cat fish, though a few pan fish could be seen flitting about just beyond our range of visibility. Total dive time 60 min, max depth 19'.



Environmental News

Sea turtles' 'lost years' mystery starts to unravel

Date:

March 4, 2014

Source:

University of Central Florida

Summary:

Small satellite-tracking devices attached to sea turtles swimming off Florida's coast have delivered first-of-its-kind data that could help unlock they mystery of what endangered turtles do during the 'lost years.'

Small satellite-tracking devices attached to sea turtles swimming off Florida's coast have delivered first-of-its-kind data that could help unlock they mystery of what endangered turtles do during the "lost years."

The "lost years" refers to the time after turtles hatch and head to sea where they remain for many years before returning to near-shore waters as large juveniles. The time period is often referred to as the "lost years" because not much has been known about where the young turtles go and how they interact with their oceanic environment -- until now.

"What is exciting is that we provide the first look at the early behavior and movements of

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May, 2014

young sea turtles in the wild," said UCF biologist Kate Mansfield, who led the team. "Before this study, most of the scientific information about the early life history of sea turtles was inferred through genetics studies, opportunistic sightings offshore, or laboratory-based studies. With real observations of turtles in their natural environment, we are able to examine and reevaluate existing hypotheses about the turtles' early life history. This knowledge may help managers provide better protection for these threatened and endangered species."



A neonate sea turtle with tracking device attached to its shell makes its way in Atlantic waters.

Credit: Jim Abernethy

[Click to enlarge image]

Findings from the study appear today in the journal *Proceedings of the Royal Society B*.

A team of scientists from the UCF, Florida Atlantic University, University of Miami (UM) Rosenstiel School of Marine and Atmospheric Science, and University of Wisconsin, tracked 17 loggerhead turtles for 27 to 220 days in the open ocean using small, solar-powered satellite tags. The goal was to better understand the turtles' movements, habitat preferences, and what role temperature may play in early sea turtle life history.

Some of the findings challenge previously held beliefs.

While the turtles remain in oceanic waters (traveling between 124 miles to 2,672 miles) off the continental shelf and the loggerhead turtles

sought the surface of the water as predicted, the study found that the turtles do not necessarily remain within the currents associated with the North Atlantic subtropical gyre. It was historically thought that loggerhead turtles hatching from Florida's east coast complete a long, developmental migration in a large circle around the Atlantic entrained in these currents. But the team's data suggest that turtles may drop out of these currents into the middle of the Atlantic or the Sargasso Sea. The team also found that while the turtles mostly stayed at the sea surface, where they were exposed to the sun's energy, the turtles' shells registered more heat than anticipated (as recorded by sensors in the satellite tags), leading the team to consider a new hypothesis about why the turtles seek refuge in Sargassum. It is a type of seaweed found on the surface of the water in the deep ocean long associated with young sea turtles.



"We propose that young turtles remain at the sea surface to gain a thermal benefit," Mansfield said. "This makes sense because the turtles are cold blooded animals. By remaining at the sea surface, and by associating with Sargassum habitat, turtles gain a thermal refuge of sorts that may help enhance growth and feeding rates, among other physiological benefits."

More research will be needed, but it's a start

at cracking the "lost years" mystery.

The findings are important because the loggerhead turtles along with other sea turtles are threatened or endangered species. Florida beaches are important to their survival because they provide important nesting grounds in North America. More than 80% of Atlantic loggerheads nest along Florida's coast. There are other important nesting grounds and nursing areas for sea turtles in the western hemisphere found from as far north as Virginia to South America and the Caribbean.

"From the time they leave our shores, we don't hear anything about them until they surface near the Canary Islands, which is like their primary school years," said Florida Atlantic University professor Jeannette Wyneken, the study's co-PI and author. "There's a whole lot that happens during the Atlantic crossing that we knew nothing about. Our work helps to redefine Atlantic loggerhead nursery grounds and early loggerhead habitat use."



Mansfield joined UCF in 2013. She has a Ph.D. from the Virginia Institute of Marine Science and a master's degree from the Rosenstiel School of Marine and Atmospheric Science at the University of Miami. She previously worked at Florida International

University, through the Cooperative Institute for Marine and Atmospheric Studies (CIMAS) in association with the National Oceanographic and Atmospheric Administration and the National Marine Fisheries Services. She was a National Academies NRC postdoctoral associate based at NOAA's Southeast Fisheries Science Center, and remains an affiliate faculty in Florida Atlantic University's biology department where Wyneken is based.

With colleagues at each institution Mansfield conducted research that has helped further the understanding of the sea turtle "lost years" and sea turtle life history as a whole. For example she and Wyneken developed a satellite tagging method using a non-toxic manicure acrylic, old wetsuits, and hair-extension glue to attach satellite tags to small turtles. Tagging small turtles is very difficult by traditional means because of their small size and how fast they grow.

Story Source:

The above story is based on materials provided by **University of Central Florida**. Note: Materials may be edited for content and length.

Journal Reference:

K. L. Mansfield, J. Wyneken, W. P. Porter, J. Luo. **First satellite tracks of neonate sea turtles redefine the 'lost years' oceanic niche**. *Proceedings of the Royal Society B: Biological Sciences*, 2014; 281 (1781): 20133039 DOI: 10.1098/rspb.2013.3039

Log Book

Sunken submarine HMAS AE2 to give unique glimpse into the Gallipoli era

Bridie Smith

Science Editor, The Age

Read

more:

<http://www.theage.com.au/national/sunken-submarine-hmas-ae2-to-give-unique-glimpse-into-the-gallipoli-era-20140221-337n9.html#ixzz2z0ld3DIq>

One of the last "time capsules" of the First World War will be opened in June, when researchers drop a high-definition camera into an Australian submarine almost a century after

S'NAG-A-NEWS

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May, 2014

it was sunk and its crew taken as prisoners of war.

The wreck of HMAS AE2, discovered in 1998, has remained untouched on the silty floor of Turkey's Sea of Marmara since being scuttled by Commander H.G."Dacre" Stoker during the Gallipoli campaign.

"We have effectively got an underwater time capsule that has not been opened since 1915," said Roger Neill, the expedition's science director.

Dr Neill, who leads the automation and unmanned maritime systems unit at the Defense Science and Technology Organization, said the project would not just survey and secure the site but install a cathodic protection system around the wreck to stop the metal from corroding, and a marker buoy to protect it from shipping traffic and drag nets.

Chief pilot of the remotely operated vehicle, electrical engineer Peter Graham, designed the high-definition camera at the DSTO Port Melbourne base. He said the expedition would collect a terabyte of data a day during the 17-day field trip.



Costing up to \$5 million, the ambitious project to film inside the submarine began in 2004. The years of preparation included building a replica submarine, using the original plans, to test camera equipment in Geelong's Corio Bay.

However, the task of filming inside a wreck 73 meters underwater is not without its

challenges. The research team had to custom-design and build an underwater camera to fit through the partially opened hatch and move through the confined interior.

Cabling also had to be wrapped in stainless steel coils to prevent it being damaged by the aggressive European conger eels which live in the area and can weigh up to 110 kilograms.

Chairman of the AE2 Commemorative Foundation and retired rear admiral Peter Briggs said the sea creatures had proved rather territorial in the past. During a 2007 trip to film the sub's exterior, some equipment returned to the surface with scratch marks from the eels' teeth.

And if this wasn't enough, the submarine also has an unexploded, and likely loaded, torpedo on board.

If the torpedo has come in contact with water the explosives will have been degraded and pose less of a risk. But if it has remained sealed in the brass dry tube, the gun cotton explosives will be unstable and likely to go off if bumped.

"If it goes off it would blow the back off the submarine and would kill any divers in the water," Admiral Briggs said.

Platforms will be attached to parts of the submarine for divers to stand on to reduce movement, and activity on the stern will be minimized.

Given there is only one hatch open, it is likely that the water inside the submarine is the same water that rushed inside on April 30, 1915, meaning there has been little damage caused by water movement. "It's probably going to have all the mugs, the tea, the cutlery, shoes and all the artifacts from the sailors," Admiral Briggs said. "It's going to be quite something."

Read more: <http://www.theage.com.au/national/sunken-submarine-hmas-ae2-to-give-unique-glimpse-into-the-gallipoli-era-20140221-337n9.html#ixzz2z0INr2Z8>

Russian tourist paralyzed after needlefish attack in Vietnam 4/18/2014



NHA TRANG, Vietnam - Doctors have saved the life of a Russian woman who was left paralyzed after being attacked by a needlefish while she was swimming in Vietnam's resort beach town of Nha Trang.

Kalinina Oxana, 44, suffered severe neck and spinal cord injuries in the waters off Hon Chong, an island off Nha Trang in Khanh Hoa Province, and was hospitalized on Sunday. She could not move her limbs or urinate after the incident.

After a seven-and-half-hour operation at Khanh Hoa General Hospital, the tourist has recovered feeling in her limbs and the ability to make slight movements with her limbs, according to the news report.

She will have to undergo another surgery before her condition stabilizes, it said.

During the last operation, doctors recovered numerous pieces of fish bone and teeth still lodged in the patient's neck.

Experts from the Nha Trang Institute of Oceanography later confirmed that the bone and teeth were those of needlefish.

According to Khanh Hoa General Hospital, doctors here last December also saved the life of a local fisherman whose throat had been pierced by a needlefish while he was fishing at sea.

(Ed. note: These fish make Asian carp seem like puppy dogs, don't they?)

Source: Thanh Nien
[EAST ASIA](#)

Parting Shot

And you think you've got problems? Ouch!!!



Use common sense when spearfishing, and never point a loaded speargun anywhere remotely near another person! Photo courtesy facebook.com/SouthFloridaFreedivers



AD Rates

S'Nag-A-News monthly advertising rates are as follows:

- Business Card \$4.00
- 1/4 Page \$10.00
- 1/2 Page \$20.00
- Full Page \$30.00

Club members receive a 10% discount on advertising rates. Non-members receive a 10% discount for three months paid in advance.



NEXT MEETING: 8:00 p.m., Plank's Café, Thurs., April 3, 2014. Program: CBUS Fire Underwater Recovery Team & Equipment!

The Columbus Sea Nags
c/o Rob Robison
6803 Maplebrook Lane
Columbus, Ohio 432355

OFFICERS 2014

Acting President Rob Robison
(614) 546-9018 (cell)
president@seanags.com

Vice President
Steve & Maggie Ranft
(614) 834-3941
vicepresident@seanags.com

Treasurer
Glenn Mitchell
614- 272-2448
treasurer@seanags.com

Secretary
Josh Carney
secretary@seanags.com

Newsletter Editor
Rob Robison
(614)-546-9018
newsletter@seanags.com

