

UP AND DOWN THE ANCHOR LINE

KEYSTONE DIVERS ASSOCIATION



Volume 259

May 2008

Next KDA Meeting:

Wednesday, May 7, 2008
Dinner @ 7 PM, Meeting @ 8 PM
Barnaby's, 15 South High Street
(Top floor) West Chester, PA

Pete Nawrocky
Dive Rite rep presents...
Cruising the Coast!

ATLANTIC Coast that is. We welcome back **Pete Nawrocky**. Pete has done some shows for us before. And this time he is bringing a new show about diving from Maine to Florida.

Dive Rite's National Field Manager, Pete, spends a lot of time on the road traveling to Tech Tours, Dive Shops, trade shows and other venues. During his time on the road he also gets to spend a lot of time in the water - all OVER the place. This presentation covers five different areas - each with its own set of conditions and marine life!



Buster says...

TWO places still open on that "trip of a lifetime" to Tawali Resort, Papua New Guinea Spirit of Niugini call(610) 436-0176 or write: dudas@erols.com!!

DON'T FORGET:

May 17 – 18
DUI Days at Dutch Springs

June 4
KDA SWAP Meet at DDD
In lieu of KDA Meeting!!

Last KDA Meeting: April 2, 2008!

If you have ever journeyed to **Bonaire** or are *old* enough to remember when **Dee Scarr** last visited the KDA, you would definitely remember the experience! And if on your next dive you relax and go away from the reef, chill in the sand and do the cleaning station thing, you will also remember the experience because you have reached out and, *let's hear it boys and girls...* "touched the sea!" Fish only interact in four ways: as predator; as prey; to reproduce and to clean one another; i.e. the *cleaning station*! Obviously we don't want to be involved in the first three activities, so we can readily be accepted as the marine Homo sapiens that we are by allowing ourselves (or at least our fingers) to be cleaned by the scarlet lady, the Peterson's Cleaner Shrimp or the arrow crabs that *man* these underwater car washes!

It is the DIVER'S responsibility to protect the coral polyp, a fragile creature whose body is *trapped* inside a sharp skeleton, a plethora of which make up a coral head! **STAY AWAY FROM THE CORAL** – beating them with a fin or, God forbid, standing on a coral head, can kill a polyp (can kill MANY polyps)! And once they are dead, they can't grow back in that spot! The dead coral represents the dead skeleton of the dead polyp! However old polyps never die, they just split and make more as these creatures made up of 80% single-celled algae grow toward the sun! Did you know that ONE meter of coral head equals 200 – 300 years of growth??!! And we're not the only creatures that can kill a coral – a neighboring anemone can kill a whole side of coral if it makes contact! And if you want to interact with an octopus, try to approach from the **SIDE** – they don't like anything coming at them from on top! Don't get too involved, but in case you do, try to remember that the suckers on the mating arm are unique to each species! The lady octopus stays home and the male goes a-courting!

We would very much like to thank the legendary **Dee Scarr** for making the journey up from **Bonaire** to share with us the wonders of our sea! **Andrew Sheriff** won the **50-50** & **Chase Dallura** won the mask!

Check out the NEW Dudas Diving Duds 2008 dive schedule on the website: www.dudasdiving.com !!!

upcoming KDA events & special stuff

Come one, come all to the Next KDA Event...

Wednesday, May 7 at 8 PM!

*** Pete Nawrocky...**

Cruising the Coast!

**Barnaby's of America Restaurant,
15 S. High Street, West Chester, PA!**

MEET THE SPEAKER DINNER @ 7 PM!

Our 2008 KDA officers:

President Michael Richardson
Vice President Kathy Ondrasik
Treasurer Noreen Brown
Secretary..... Lisa Bennet
Membership Director..... Jenn Washco
Newsletter Coordinator..... Katie Ondrasik
Newsletter Editor Jayne Revid

*(DON'T FORGET TO CONGRATULATE THEM –
OR YOU, TOO, COULD BE ELECTED!)*

➤ **KDA Email address:
mail@dudasdiving.com**

➤ **The official KDA Web address:
www.dudasdiving.com/kda.html**

Wednesday June 4th KDA picnic & PIG ROAST @ DDD

Aqua Lung Raffle – prizes and more!

Special Sales and a Special Time – Mark your Calendar

6pm till ?

**GREAT NEWS MEMBERS: FREE AIR (air only) as long as you are a current
KDA member. Come by Dudas Diving Duds and ask about all of the *TERRIFIC*
KDA Member Specials on *selected diving gear and accessories!***

Meeting Place: *BARNABY'S OF AMERICA*

15 South High Street, West Chester, PA

(610) 696-1400

Parking is free after 6 PM in the garage across High Street! Follow Rt. 3 into town (Market St.), turn left when you get to High Street & you're there on the left! Or Follow Rt. 202 North from DE and go straight when it becomes High Street – go up about 6 blocks and it's on the right (BEFORE you get to Gay St!)

Keystone Divers Association 2008 Membership Application

New Member

Renewal Member

(\$25/ea. - \$40 couple)

Name: _____

Phone Day: _____

Birthdate _____

Address: _____

Phone Nite: _____

Customer# _____

Certifying Agency: _____

When? _____

Occupation: _____

Certification Level: _____

Where? _____

E-Mail Address (for online newsletter): _____

The KDA NORMALLY meets at Barnaby's of America (top floor) the FIRST Wednesday of the month at 8 P.M 15 South High Street, West Chester, PA (610) 696-1400. A greet the speaker dinner is at 7 P.M.

Wednesday, May 7, 2007 Barnaby's – Meeting @ 8 PM! Meet the Speaker dinner @ 7! Peter Nawrocky, phab photographer of the sous-marine, CRUISING THE COAST!

Wednesday, June 4, 2008 – KDA PICNIC @ DDD once again...already?!!

Wednesday, July 2, 2007 WE RETURN TO Barnaby's – Meeting @ 8 PM! Meet the Speaker dinner @ 7!

DIVER'S ED

- ScubaDiver (Mondays June 2) @ Upper Main Line YMCA @ \$250)..... @ 7 – 10 PM
 - ScubaDiver (Tuesdays June 10) @ West Chester YMCA @ \$250)..... @ 7 – 10 PM
 - ScubaDiver (Mondays July 14) @ UMLY @\$250).....@ 7 – 10 PM
 - ScubaDiver (Tuesdays July 22) @West Chester YMCA \$250).....@ 7 – 10PM
 - NITROX (Thursday May 8 @ DDD).....@ 6 - 9PM
 - 1st Response – Medic First Aid Wednesday May 14 @DDD.....@ 6 – 10PM
 - Rescue Starts May 21.....@6 - 10PM
 - PADI DM Class Starts May 6th.....@6PM
 - Dry suit Monday June 9th.....@ 7 – 10PM
 - Open water Check out dives.....Key Largo Jun 12-16
 - Rescue Starts June 18 @DDD.....6 - 9PM
 - Advanced Class May 31/June 1Dutch Springs
 - Advanced Class June 28 & 29.....Dutch Springs
- ❖ Other Specialty Diver Classes being scheduled – call DDD (610) 436-0176! Private & semi-private lessons upon request!

SCUBA CAMP * For kids 10-18
 July 7-10 Malvern prep or August 4-7 Upper Main Line YMCA
Our most popular program! Classes fill up FAST – call SOON to enroll YOUR child!

DIVE TRAVEL

Ginnie Springs, North Florida, Cave/Cavern Dive with Evelyn
Next Trip: Sept. 5-8, 2008
Call DDD (610) 436-0176 to go along!
 Cave diving and open water diving and certification dives

- Turks & Caicos Aggressor w/DDDMay 17-24, 2008
- Key Largo.....June 12-16, 2008
- North CarolinaJune 19-22, 2008
- Key LargoJuly 17-21,2008
- 1000 IslandsJuly 26 & 27,2008
- TWO PLACES OPEN NOW –Tawali Resort, Papua, New Guinea (2 days) with (11 days) on the *Spirit of Niugini*..... Sept. 26 – Oct 6, 2008
- CozumelOctober 11-18,2008
- CURACAOJAN. 17-24-2009

DAN Trip Insurance: Cover Your Dive or Dream Vacation! *Go to Dan's Website (diversalert.org), go to the "insurance" tab and scroll down to "trip." Then get yourself an insurance quote!! Use DDD Acct. #033871*

CHECK OUT DDD DIVE SCHEDULE @ WWW.DUDASDIVING.COM & SIGN UP 2 GO DIVING!!

Minimum trip deposit: \$250; balance due 45 days before departure.
 Trip insurance and D.A.N. insurance required for Dudas Diving Duds Trips.
 Cancellation policy subject to that of destination resort or charter boat.son/double occupancy & subject to change.

The KDA – *IN DEPTH!*

President Richardson says.....

We're BRINGING BACK the infamous KDA PHOTO CONTEST!!!

Two jpg photos emailed to the shop or sent via disk per paid up member will be judged at the Christmas Dinner where we will be treated to a spectacular slide show or all the entries for the year! So join up NOW and get those cameras rolling! *More details later!*

Diver's Alert Network (D.A.N.) Extended Travel Insurance

GREAT NEWS!!! For those wishing to travel with Dudas Diving Duds (or even on their own), you may take advantage of the terrific extended D.A.N. travel insurance by enrolling through the Dudas Diving Duds Acct. No. 033871.

DAN Trip Insurance: Cover Your Dive or Dream Vacation! *Go to Dan's Website (diversalert.org), go to the "insurance" tab and scroll down to "trip." Then get yourself an insurance quote!! Use DDD Acct. #033871*

Through a partnership with AIG Travel Guard, DAN Services is now offering the following trip insurance coverage at competitive rates:

Trip Cancellation & Interruption Coverage

- Tour Cost
- \$ 1,000 Travel Delay (\$200 maximum per day)
- \$ 1,500 Baggage & Personal Effects
- \$ 300 Baggage Delay
- \$20,000 Medical Expense
- \$25,000 Accidental Death & Dismemberment
- LiveTravel®

Optional Coverage:

- \$35,000 Collision Damage Waiver (\$11/car/day & No Deductible)
- Umbrella Package, doubles medical expense coverage to \$40,000 & upgrades medical coverage to primary (\$21/person)

A Note from Mike Richardson, President, KDA:

It is my personal desire to sponsor a student in a session of "Scuba Camp". Towards that goal...I have been in discussions with West Chester Borough's Dept. of Parks and Recreation and we are working out a method to select an applicant from their summer camp program. It is going to take some time to work out the details but I am confident that these can be finalized by June. I'd welcome the support of my fellow club members in helping me provide the basic equipment needs for this student and would like to thank Jeff Heim for already contributing towards this goal.

Additionally, I am consulting with an attorney on the prospect of establishing a "not for profit" entity, to work in association with the KDA, in the event that we can make this sponsorship / scholarship program an annual cause.

I welcome your support should you wish to join me in this cause and would like to reiterate that it is my personal belief that the KDA should be doing more to promote scuba diving and educating our young people on the fantastic opportunities that SCUBA can bring into your life. PLEASE contact the shop (610) 436-0176 or dudas@erols.com if you can help and stay tuned to this newsletter for further developments! Thank you! **Scuba Camp is: July 7-10 & August 4-7!**

Don't forget: www.dudasdiving.com for the latest updates about diving, the KDA AND the online newsletter! By the way – are YOUR 2008 dues paid up????? !!

MEDIA RELEASE

January 7, 2008

DUI RELEASES THE 2008 DUI DOG RALLY & DEMO TOUR CALENDAR OF EVENTS



What does diving dry feel like?
What makes DUI the best?
Which DUI is right for me?
How much fun do DOGs have?

Diving Unlimited International (DUI) is excited to release the dates for the 2008 DUI DOG Rally & Demo Tour. Celebrating its 11th Anniversary, this event has allowed tens of thousands of divers to experience the joy of drysuit diving and the quality products that DUI has innovated and built for over four decades.

Date	City	Location
May 17-18 *	Bethlehem, PA	Dutch Springs

**PUBLIC SAFETY DEMO DAY at this event*

DUI is designing a new, 38' trailer to hold even more equipment. DUI DOG Rally & Demo Tour is the largest event of its kind! At this event you can expect:

- Meet Industry Leaders and DUI Factory Professionals
- Free Collectors Edition DUI TEST DIVER Hat
- Educational Seminars & Presentation by Divers Alert Network**
- Free Barbecue Lunch
- JUST FOR DOGS! Test Dive a DUI Delta BCS and get a FREE T-Shirt
- Join Us Saturday Night for Dinner & Program w/Raffle Prizes** *Educational Seminars & Sat. Night Programs Vary by Location*

For detailed information, a list of participating dealers and mini-rally locations, visit WWW.DUI-ONLINE.COM

Diving Unlimited International, Incorporated (DUI) is a diving equipment manufacturing company specializing in diver thermal protection and high performance diving equipment. Located in San Diego, California, DUI has been providing recreational, scientific, commercial and military divers with an UNLIMITED commitment by searching the world for the finest quality materials, combine with seasoned and highly trained staff, incorporate the most unique designs and options and top this off with a pledge to provide the highest level of customer service to divers. This commitment to our customers began in 1963 when Diving Unlimited International was founded to give divers limitless opportunities and extraordinary adventures. It's as strong as ever more than four decades later.



DIVE DUI NOW – PAY LATER

DUI is offering consumers 12 Months Same As Cash*! Using American General Financial Services, consumers can go to the DUI website and apply to purchase a DUI drysuit system through any participating US DUI Dealer. This will also be featured on the home page of WWW.DUI-ONLINE.COM which receives over 20, 000 unique visitors every month. This program goes “live” on the DUI website in February 2008. DUI anticipates that this program will enable more divers than ever to experience the joy of drysuit diving and the quality products that DUI has innovated and built for over four decades.

For more information, contact:

Diving Unlimited International, Inc.
1148 Delevan Drive
San Diego, CA 92102-2499 USA
800.325.8439 619.236.1203

**12 Months Same As Cash, Payment Deferred. Subject to credit approval. Finance charges accrue from the date of sale unless the Same As Cash plan balance is paid in full prior to the Same As Cash expiration date. Regular credit terms apply after Same As Cash period. Terms subject to change without notice. See agreement for complete information. Annual Percentage Rate: 21.00%. Minimum finance charge: \$1.00*

DIVERS' AND SNORKELERS' SUNSCREEN IS KILLING OFF CORAL

Undercurrent, V23, N3 March 2008 - (by way of the Ranger Reporter)

“The sunscreen you dutifully put on before a dive or snorkel may prevent sunburn, but its chemicals are killing coral reefs worldwide. A study in the journal *Environmental Health Perspectives* states that four common sunscreen ingredients can awaken viruses in an algae called *Zooxanthellae* that lives inside reef-building coral species. The chemicals cause the viruses to replicate until their algae hosts explode, spilling viruses into the surrounding seawater, where they can infect neighboring coral communities. *Zooxanthellae* provides coral with food energy through photosynthesis and contributes to corals' vibrant color. Without it, the coral bleaches white and dies.

“The study's researchers looked at the effects of sunscreen exposure on coral samples from reefs in the Pacific, Atlantic, and Indian Oceans. Seawater surrounding the coral exposed to sunscreen contained up to 15 times more viruses than unexposed samples. Researchers found that even low levels of sunscreen, at or below the typical amount used by swimmers, could activate the algae viruses and completely bleach coral in just four days. They estimate that 4,000 to 6,000 metric tons of sunscreen wash off swimmers, snorkelers and divers annually in oceans worldwide, and that up to 10 percent of coral reefs are threatened by sunscreen-induced bleaching.

“Several brands of popular sunscreens were tested and all had four ingredients in common: paraben cinnamate, benzophenone, and a camphor derivative. Banning sunscreen isn't necessary. To reduce their impact on coral, divers and snorkelers can use sunscreens with titanium dioxide and zinc oxide, which reflect instead of absorb ultraviolet radiation. Some eco-friendly sunscreens that meet those standards come from Caribbean Solutions (www.caribbean-sol.com) and from Aubrey Organics (www.aubrey-organics.com)”

FISHY FLASH

Rachel Ehrenburg, *Science News*, V173, N5, February 2, 2008

“The shimmering, metallic sheen of a fish in shallow water may confuse predators or dazzle mates. Now scientists have uncovered clues to how the fish build their bling. Somehow fish alter the growth of the light-reflecting crystals layered in their skin's cellular matrix, bestowing superior shine. The findings hint at a way to create super-reflective crystals in the lab for use in products like cosmetics and paints.

“‘We were amazed,’ says Avital Levy-Lior, a materials scientist at the Weizmann Institute of Science in Rehovot, Israel. ‘The crystals' growth is completely opposite than what we expected.’

“To investigate, Levy-Lior and her colleagues extracted guanine crystals from the skin of the Japanese koi fish and redeye tetra and analyzed them with X-ray diffraction and an electron microscope. The researchers then compared the fish-made crystals to crystals grown in the lab. While similar in shape, the fish-made crystals were much thinner and smoother than the lab-grown guanine, which appeared chunky and stepped. Even more surprising, the fish seem to be limiting the growth of their crystals in the direction that usually grows the fastest, the researchers report in the current issue of *Crystal Growth & Design*. This inhibition likely enhances their reflectivity, says Levy-Lior.

“The mechanism by which the fish limit their crystals' growth isn't clear. Living creatures usually create crystals in enclosed chambers. Since completely dry conditions are required for the growth of guanine crystals in the lab, it's likely that the fish also sequester their guanine in a dry compartment, ensuring super shimmering skin when wet.”

OLD SHIP COULD BRING LIFE TO COAST

Candus Thomson, "On the Outdoors", *Baltimore Sun*, March 17, 2008 *Ed. Note:* Thanks to Lee Wahler for spotting this. Original reparagraphed - (by way of the *Ranger Reporter*)

"There are people in Maryland who could write a \$200,000 check for a boat without batting an eye. The owner of the Orioles comes to mind. The owner of the Ravens is another. A number of corporations and foundations could do it, too. It becomes a harder sell, however, when the boat in question is a retired 563-foot Navy destroyer that has a date later this year with Davy Jones' locker.

"Maryland Artificial Reef Initiative volunteers have their eyes on the ex-*Radford*, a vessel mothballed at Aker Philadelphia Shipyard. Their colleagues in New Jersey and Delaware do, too. They envision the ex-*Radford* as a new ocean attraction with a new name -- DelJerseyLand -- on the hard sand bottom of the Atlantic, just 26 miles off Ocean City. Sitting in 130 feet of water, it would be the largest warship-to-reef project on the East Coast, a massive condominium for marine life, and a playground for anglers and divers.

"Scuttling old warships to create habitat isn't new. Two years ago, the 910-foot aircraft carrier ex-*Oriskany* was sunk in the Gulf of Mexico off the Florida coast to the delight of fishing charter businesses and local tourism boards. On May 15, the ex-*Vandenberg*, a satellite- and missile-tracking ship, is to be sunk seven miles off the Florida Keys.

"The Navy has agreed to make the ex-*Radford* environmentally safe before its scuttling. Two salvage companies are expected to bid on the project. If all goes well, the value of the internal scrap metal and superstructure will help offset the cost of moving the big warship, leaving about \$600,000 to be split among the three states. 'Partnering with Delaware and New Jersey is a huge, huge opportunity for us because [they] have established, well-funded reef programs,' said Marty Gary, the point man for the Maryland Department of Natural Resources. 'They know the ins and outs and are doing a lot of the heavy lifting.'

"The Army Corp of Engineers has given its blessing. The next step requires the governors of Maryland, Delaware and New Jersey to send nonbinding letters of interest to the Navy by March 28. That should be a snap as long as the folks in the O'Malley administration aren't asleep at the switch. But if the three states can't pull the financial trigger, it's likely DelJerseyLand will float down the coast and become Carolinaville or Georgiaburg.

"That, says Gary, would be a shame. 'An opportunity of this size doesn't come along every day,' he said Monday during a tour of the ex-*Radford*. 'This would be a prime site for black sea bass, tautog, summer flounder and lobsters. Something this big is going to draw in some bigger fish, too -- amberjack, dolphin, wahoo and tuna.'

"Chris Dollar, a member of the reef initiative steering committee on the tour, also was impressed: 'In the Chesapeake and along the Atlantic coast, fishermen know that the thing that's limiting their success oftentimes is [a lack of] habitat. This is an awesome opportunity for habitat in the ocean, particularly for those folks coming out of Ocean City. ... We've got to jump on it and take advantage of it.'

The *USS Arthur W. Radford* was launched in 1975 and commissioned in 1977. Among its many assignments, the destroyer was deployed to the Persian Gulf to do picket duty and surveillance work and also to the Mediterranean Sea to support NATO peace-keeping operations. In 1997, it collided with a Saudi cargo ship 25 miles off the coast of Virginia. Although it took on water through a gash in its bow, the *Radford* limped to port for repairs.

"Twenty-eight years after its launch, the destroyer was decommissioned and lent to Northrup Grumman Ship Systems for design experiments. Now, the well-worn ship sits on the outside of a three-ship stack tied to the shipyard dock. The number on the bow -- 968 -- is faded. The paint around the battle ribbons on its bridge is peeling, and the deck is rusted and pitted.

"A project this size is fairly ambitious for Maryland, which has been in the reef building business for not quite two years. All of its projects so far have involved moving almost 60,000 tons of construction material from the Woodrow Wilson Bridge down the Potomac River to selected Chesapeake Bay sites. 'It sounded daunting,' Gary said. 'It wound up [costing] almost \$1.4 million, which we raised from the private sector, and the great news is some of those donors ... have pledged to stay engaged in an ongoing basis and help us network with other corporations.'

"That's not to say it's all smooth sailing for DelJerseyLand. Besides the gubernatorial letters and the salvage bids, there's the matter of finding someone with deep pockets. Someone who won't mind spending \$200,000 for the ultimate leaky boat."



SHIRDELL MCDONALD [SUN NEWS ARTIST]

Keystone Divers' Association
c/o Dudas Diving Duds, Inc.
104 Bartram's Lane
West Chester, PA 19382
(610) 436-0176

FIRST CLASS

NEXT MEETING: May 7, 2008

The Keystone Diver's Association presents:

Pete Nawrocky

Dive Rite Rep!

Wednesday, May 7, 2008

Speaker Dinner @ 7 - Meeting @ 8 PM

At Barnaby's in West Chester!

15 South High Street in West Chester, PA!

(610) 696-1400 (*FREE parking directly across the street in the parking garage!*)



P r e s e n t s : C r u i s i n g t h e C o a s t !