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# High Tide News

May 2014

Local news for the people, by the people



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## The Blood Harvest

*The thing about the blood that everyone notices first:  
It's blue, baby blue.*

By ALEXIS C. MADRIGAL, Senior Editor at *The Atlantic*  
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Horseshoe crab

The marvelous thing about horseshoe crab blood, though, isn't the color. It's a chemical found only in the amoebocytes of its blood cells that can detect mere traces of bacterial presence and trap them in inescapable clots.

To take advantage of this biological idiosyncrasy, pharmaceutical companies burst the cells that contain the chemical, called coagulogen. Then, they can use the coagulogen to detect contamination in any solution that might come into contact with blood. If there are dangerous bacterial endotoxins in the liquid—even at a concentration of one part per trillion—the horseshoe crab blood extract will go to work, turning the solution into what scientist Fred Bang, who co-discovered the substance, called a “gel.”

“This gel immobilized the bacteria but did not kill them,” Bang wrote in the 1956 paper announcing the substance. “The gel or clot was stable and tough and remained so for several weeks at room temperature.”

If there is no bacterial contamination, then the coagulation does not occur, and the solution can be considered free of bacteria. It's a simple, nearly instantaneous test that goes by the name of the LAL, or Limulus amoebocyte lysate, test (after the species name of the crab, *Limulus polyphemus*).

The LAL test replaced the rather horrifying prospect of possibly contaminated substances being tested on “large colonies of rabbits.” Pharma companies didn't like the rabbit process, either, because it was slow and expensive.

So, now, the horseshoe blood test is a big business. “Every drug certified by the FDA must be tested using LAL,” PBS's Nature documentary noted, “as do surgical implants such as pacemakers and prosthetic devices.”

I don't know about you, but the idea that every single person in America who has ever had an injection has been protected because we harvest the blood of a forgettable sea creature with a hidden chemical superpower makes me feel a little bit crazy. This scenario is not even sci-fi, it's postmodern technology. The only problem is that the companies need a large supply of the blood of live crabs. Horseshoe crabs live on the seafloor, near the shore. When they want to mate, they swim into very shallow water, and horseshoe crab collectors wade along, snatching the crabs

out of their habitat.

The biomedical collectors are not the first to make use of the crabs' bodies. As far back as colonial times, “cancerine fertilizer” was used to enrich fields. In the 20th century, though, this became an organized industry around the Delaware Bay. The crabs were steamed and then ground into meal for the fields. Others were fed to hogs. Millions of crabs were harvested.

As we slowly killed off the horseshoe crab population, by the 1970s, the fertilizer industry declined and had died off. But harvests picked back up in the 1990s, when fishermen realized they could use the crabs as bait for catching large snails called whelk (aka conchs).

That is to say, these animals have not been

**continued on page 2**



## Delaware Commissioner of Veterans Affairs

*The Delaware Commission of Veterans Affairs, an office of the Delaware Department of State, established by the Governor, is dedicated to advancing information, providing benefits, and creating opportunities for service members, veterans and their families in recognition of their services to the Nation and their value to our community.*

Commissioner Robert “Bob” Corsa (right) and volunteer Isaac Goodman (left) in front of the primary office for Veteran's affairs in Sussex County DE, located at the Delaware Veterans Memorial Cemetery at 26669 Patriots Way, Millsboro, DE 19966.

Commissioner Bob Corsa and volunteer Isaac Goodman are both residents of Sussex County and have taken on the task of getting the message out to Veterans & their families that there are people that care and want to help. Their mission is to get the knowledge out to Veterans that the federal government is here to help them. Mr. Corsa states that “There comes a time when most Veterans have to go to the federal government for one reason or another....maybe vocational rehabilitation

training, could be for college, for a job, could be for nursing home care, health issues...”

“We have a clinic for combat veterans, but we need more. All of the baby boomers moving into the area are all coming into the age of needing services.”

The Department of Veterans Affairs is here to help, but *they need you to sign up with them* so that you can be counted and so that your needs can be determined.

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# The Cape Henlopen Lighthouse: A Doomed Beacon

By Sandie Gerken

Many of the lighthouses of the Delaware River and Bay no longer exist, either having been replaced by automated signal lights or abandoned. The Cape Henlopen Lighthouse met the same fate, but under exceptional, disastrous circumstances. After over 150 years of guiding ships through the hazardous shoals at the entrance to the Delaware Bay, the lighthouse fell prey to the treacherous sea and to the famous “walking dunes” of the

cape on which it was built.

The Cape Henlopen Light was the sixth lighthouse built in colonial America, erected between 1765-67. Shipwrecks with loss of goods along the coastline of the Delaware Bay and River provided the impetus for merchants and ship owners to demand a lighthouse to aid navigation at the mouth of the bay. A public lottery was held in Philadelphia in the winter of 1761-62 to raise funds to finance the building

of a lighthouse on Cape Henlopen. Since our state was still Pennsylvania’s “Three Lower Counties on the Delaware”, the proprietors of the Commonwealth granted 200 acres of land at the cape on which to build the lighthouse. The chosen location was on a high sand hill, known as the “Great Dune”. Strategically, the site was ideal to aid visibility of the beacon and became a convenient lookout to the sea and bay during the Revolutionary War.

However, the unstable ground of the great sand dune proved to be a greater liability as it led to the demise of the lighthouse.

The lighthouse was built of ashlar granite. Built 69 feet high, it was a white washed, pyramidal, octagonal shaped tower topped with a black lantern. The light shone over 100 feet above sea level. The original whale oil lamps

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## The Blood Harvest

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treated kindly by humans. They don’t inspire the kind of affection we have for, say, bunny rabbits. In the eyes of people before Fred Bang, the only merit attached to the horseshoe crab was its proximity. They like the shoreline, as do we.

And that bacteria-rich habitat is why, Bang speculated, the crabs evolved their marvelous chemical defense. Their circulatory systems work more like a spider’s than like ours. If we inhale something bad, that thing has to find its way through our bodies and into our bloodstreams, fighting its way through our white blood cells along the way. But if bacteria find their way under a horseshoe crab’s exoskeleton, they can roam free to do damage.

“Large sinuses exist that allow blood direct contact with tissues,” the Woods Hole Marine Biological Laboratory’s history of the crab explains. “There are many wide open spaces and bacteria entering a crack in the shell of a horseshoe crab have easy access to large internal areas of the crab, a potentially deadly scenario.”

The coagulogen changes the wide-open terrain of the horseshoe crab’s circulatory system. When the crab blood cells sense invaders, they release granules of the chemical, which becomes a gooey physical barrier to the movement of the bacteria, preventing the spread of infection. The best metaphor might be the superpower of the X-Men’s Iceman, but instead of using cold to encase enemies, the horseshoe crab instead uses its remarkable chemistry.

This trick, perhaps unfortunately for the horseshoe crab, does not work on humans.

After the biomedical horseshoe crab collectors get them back to a lab, they pierce the tissue around the animals’ hearts and drain up to 30 percent of the animals’ blood. The LAL is extracted from the blood, and can go for \$15,000 per quart. Only five companies bleed the crabs: Associates of Cape Cod, Lonza, Wako Chemicals, Charles River Endosafe, and Limuli Labs (which does not have a website).

The horseshoe crabs are returned to the

ocean a great distance from where they were initially picked up to avoid rebleeding animals. The whole process takes between 24 and 72 hours.

The industry says that not that many of the animals die. Between 10 and 30 percent of the bled animals, according to varying estimates, actually die. We can imagine that it’s like us giving blood. The crabs get some apple juice and animal crackers and are fine soon thereafter.

But some people have noticed problems. In the regions where horseshoe crabs are harvested in large numbers for biomedical purposes—like Pleasant Bay, Massachusetts—fewer and fewer females are showing up to spawn. Perhaps the bleeding was, to use a technical term, messing them up, even if it wasn’t killing them.

Researchers at the University of New Hampshire and Plymouth State University decided to test this hypothesis. They attached accelerometers to female horseshoe crabs that had been bled for our benefit.

They reported their results in a new paper in *The Biological Bulletin*, “Sublethal Behavioral and Physiological Effects of the Biomedical Bleeding Process on the American Horseshoe Crab, *Limulus polyphemus*.”

The bleeding process appears to make the bled animals more lethargic, slower, and less likely to follow the tides like their counterparts do.

“The changes we observed in activity levels, movement velocity, and expression of tidal rhythms may interfere with daily *L. polyphemus* activities, which would be particularly pronounced during the spawning season,” they write. “Spawning necessitates several energetically costly trips to the intertidal zone larger females tend to make more excursions to the intertidal zone, often making multiple trips within the same week. An activity deficit, such as that caused by biomedical bleeding, may influence either the number of those trips or their timing. In the case of the latter, females may delay spawning activity while they are recuperating, and this could reduce their spawning output.”

In short: Bleeding a female horseshoe

crab may make it less likely to mate, even if it doesn’t kill it. (Only 18 percent of the crabs the authors tracked died.)

While the bleeding process is clearly better for the crabs than the outright harvesting that used to occur, the study shows that there’s no such thing as free horseshoe crab blood.

The logical question to ask is: Why hasn’t a synthetic substitute for LAL been developed? After all, it’s not like we still get insulin for diabetics from pigs. We use yeast to produce it using the DNA sequence that codes for the protein.

It turns out: Companies are researching this solution. They don’t want the precursor of their product to be regulated by a Fishery Management Plan, if they can avoid it.

In particular, biologist Ding Jeak Ling from the National University of Singapore succeeded in producing the key bacterial detection enzyme, known as Factor C, in yeast. She licensed the process to Lonza, which has brought it to market as a product called PyroGene. A German company named Hyglos has been working on another synthetic endotoxin detector, too. Other, even more advanced technologies are on the way, too.

So, good news for the horseshoe crab! It’s like when we struck crude oil and sperm whales celebrated (at least in the imagination of a *Vanity Fair* cartoonist).

The cosmic joke might be that horseshoe crabs, which for the past 30 years have been a high-value part of the new biotech economy, will return to their previous status as fishermen’s bait for predatory snails. Being valuable alive has obviously hurt the horseshoe crab in some ways. But having no economic value at all is worse.

Horseshoe crabs are an ancient animal, more than half a billion years old. They have their own ways of doing things, a fact we’ve been exploiting for decades. Their blue blood? That’s because copper plays the role in the crabs’ blood that iron does in ours. The iron-based, oxygen-carrying hemoglobin molecules in our blood give it that red color; the copper-based, oxygen-carrying hemocyanin molecules in theirs make it baby blue.

Our own species evolved a thousand times

more recently, coming into our current anatomical form a couple hundred thousand years ago. Let’s hope we don’t wipe horseshoe crabs out after we finish cloning their ancient chemical wisdom.

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# JUST VINYL LLC

*We take the clouds away & let the sunshine in!*

## JUST VINYL LLC

Proprietor: Marianne "Missy" Phillips  
410-227-0768 or 443-980-8031  
32491 Powell Farm Road  
Frankford, Delaware 19945

Marianne Phillips owns a growing cleaning & replacement business for vinyl panel windows. This family owned business is operated from Frankford, DE and serves the entire Delmarva area.

*"I left my high stress corporate accounting job in Baltimore MD and came to Delaware to own & operate the company, not that owning your own company isn't stressful, but the friendly customers make it all worth my while."*

Marianne began this business because she saw a real need for this kind of service. Most installation companies do not provide cleaning and replacement services.

In April 2013 Marianne bought an existing company and began growing the business by advertising and personally walking neighborhoods to meet owners of vinyl panel window systems.

According to Marianne, one of the greatest things in the development of the company has been meeting the friendly homeowners from various states and sharing their world travel and experiences.

Other great moments in the development of the company have been the positive

phone calls received from advertisements, to stopping into potential customer's houses for estimates.

*"And then, on average, watching 98% of estimates become active jobs to complete."*

Marianne has received many testimonies from customers of the high quality of work and high customer satisfaction. She has received referrals from *Eastern Shore Porch & Patio*, which, she states, seem to be the best installers with high customer satisfaction.

### High quality of work

This company reflects Marianne Phillips' personal work ethic. She goes "over and above" to satisfy her customers.

"We make the customer aware of the full operation and maintenance of their vinyl panel window system as installers really never cover this area," says Phillips, "and second or third home owners are really puzzled as to everything about the vinyl panel window systems."

### Products and Services

Full replacement and cleaning of PGT *Eze-Breeze* and *Vinyl Tech* window systems. Replacement includes cleaning of frame, replacement of vinyl panel, preserving with PGT preservative, check & replace any operational hardware when necessary for proper operation. Cleaning includes removing all vinyl panel

windows from the frame system then taken outside where they are washed with manufacturer's recommended products, dried, then PGT preservative is applied. While this is being done all frame systems are

cleaned & then a silicone spray is applied for ease of operation. Before reinstalling vinyl panel windows all operational hardware is checked & replaced when necessary.

This service is the "like new" answer for owners of *Eze-Breeze* & *Vinyl Tech* window systems.

### Benefits of using JUST VINYL

*JUST VINYL* uses only manufacture recommended cleaning and preserving products. According to manufactures, the vinyl panel windows need to be cleaned and preserved two times yearly to maintain the warranty.

Without knowledge of the window system it is easy to mix up panels when cleaning which will create issues when trying to reinstall the windows as each frame system can vary by fractions of inches.



Marianne Phillips of *JUST VINYL LLC*...cleaning and replacement of vinyl panel windows.

*JUST VINYL* would like to expand its customer base to meet the needs of the area. With expansion of service they will still provide customers the highest quality of work to insure 100% satisfaction.

### Free Estimates

Estimates are always free. We always offer a 10% discount for veterans, police & firefighters. In addition for every referral a customer provides which leads to a job they will receive a 10% discount up to ten and with ten referrals your next cleaning will be free of charge (Veterans, police & firefighters only need nine referrals for a free cleaning).

When you call Marianne at *JUST VINYL*, mention that you saw their story in *High Tide News*! Call today for your estimate: 410-227-0768 or 443-980-8031. Watch for their new website!



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# Garage Design Solutions

**Owner:** John Strekel  
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**Website:** www.garagedesignsolutions.com  
**Located:** 47 Grandport Road  
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**“We are in the garage enhancement & home storage business. Turning ugly unfunctional garages into an attractive and functional room. We offer cabinets systems with over 400 configurations, slatwall systems, overhead storage & garage flooring, epoxy & RaceDeck.”**

## Ugly Disfunctional Garages

Garage Design Solutions was started in 2003. John Strekel moved to Ocean Pines, MD. John says, “every time I saw a garage door open the cars were in the driveway and the garage looked like a bomb hit it.” This is what spurred him to start his business of turning ugly disfunctional garages into attractive and funtional rooms.

Most of our customers have a beautiful

home but an ugly disfunctional garage. We want the customer to have a beautiful garage to match the rest of the home.

Our system increases the value of any home. The garage is such a large room and home builders offer no storage solutions. We offer that solution.

With very few basements in the area the garage has turned into the catch all for everything *except the cars*. John started with the Crownwall Slatwall System using the wall space for storage as well as the ceiling with overhead racks, hoist systems, etc. Garage Design Solutions then picked up a very nice cabinet line (Redline Garage Gear Cabinets).

In his earlier years, John Strekel was an industrial salesman and always looked forward in doing his own home improvement projects. Strekel graduated from Towson State University in 1978 and worked construction jobs in college & high school.

Garage Design Solutions is not a franchised business therefore they have a hand-picked product line and provide other services necessary for the completion of every job. Garage Design Solutions was chosen to be on the Discovery channel several years ago to do a complete garage makeover. The show was called Garage Takeover.

We have seen the franchise companies come an go over the years. We’ve been around for 11 years now and will be around a long time to come.

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Tired of clutter everywhere, too little room and misplaced tools, sporting gear and toys? Can you even f t your car in the garage? Eliminate the mess, regain lost floor space and help simplify your life with our premium RedLine garagegear storage cabinets and slatwall organizers. Garagegear solutions are custom designed and pro-

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Garage Design Solutions is a licensed home improvement contractor - MHIC# 122849 & De. Lic. # 2007603085.

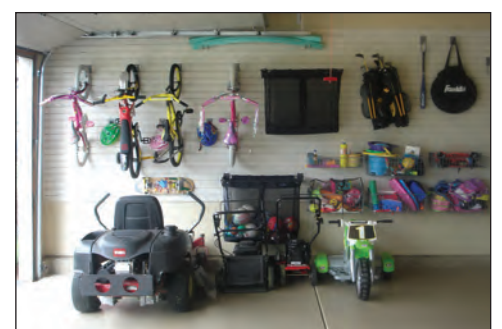
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## The Cape Henlopen Lighthouse: A Doomed Beacon

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had limited visibility at sea compared to a later lens upgrade that gave a light source up to 17 miles. The tower's cylindrical interior featured a wooden winding stairway with 8 levels, or landings with the illuminating lamps on the 8th level. The Light's advantageous location and superior visibility made it one of the most important navigational beacons in North America in its time.

Originally the tower stood 3,300 feet from the northern tip of the cape and one-quarter mile from the coastline. The lighthouse began to experience the relentless erosion of sand and sea almost from its very beginning. The size and shape of the Cape's Great Dune constantly changed with the movement of sand affected by wind. When the tower was built, the cape had been rounded and the lighthouse was on the north or harbor end of the cape. With the prevailing winds blowing from the south to southeast, the shifting sand had built up on the north side of the tower that by 1823 the cape had extended by almost a mile and began its finger-shaped protrusion into the entrance to the bay, placing the tower by this time almost a mile from the tip of the cape. The movement of the sand hills, known as the "walking dunes" or the "living hills" continues to this day in a constant motion with the winds.

So far had the sands built up the cape into the bay that by 1825, the smaller Cape Henlopen Beacon was constructed ¼ mile north of the lighthouse to locate the tip of the cape for ships.

A record of regular inspections by the 4th District of the U.S. Lighthouse Service note the encroachment of sand on the tower and the keeper's dwelling. In an 1868 annual report it was noted that the drifting had been moving at a rate of approximately 11 feet a year. The original keeper's house north of the tower had to be abandoned about that time as the sand drifted above the second story windows. A new dwelling was built to the south.

The battle to halt the migrating sand encountered a new, dire threat about 1905 when the "walking dunes" began to move to the west as well, leaving the eastern side of the cape vulnerable to erosion of the beach below the tower by the ocean. A solution could not be found to stop this advancement of the sea nor the ever-shifting sand. Deemed unsafe, the lighthouse was lit for the last time on September 30, 1924.

### An Interesting Tale about the Cape Henlopen Lighthouse

During the Revolutionary War, the lighthouse was a convenient lookout for British war ships that may try to enter the bay and river to attack Philadelphia. The British frigate, the "Roebuck" had been stationed around the Delaware Bay for a few years, securing their provisions of food and supplies either by force or from British sympathizers. The story goes that in April of 1777, a raiding party from the ship was sent ashore to the cape for food provisions. Attempting to either steal or purchase cattle from the lighthouse keeper, the party of British sailors were refused. Apparently, the raiding party ran the keeper off and in retaliation, they supposedly set fire to the lighthouse, completely burning the wooden interior staircase (and perhaps absconding with the beef as well). Despite the lack of any record which verifies this event, this story has become legend. It is true that on April 1, 1777, there was a fire at the lighthouse that gutted the interior and burned the wooden stairway. This put the lighthouse out of service until repaired in 1784. So the question remains: Might the lighthouse keeper have accidentally caused the fire by being careless near the whale oil or was this event true and the British committed an act of war?

A temporary metal skeleton tower was erected nearby with a bottled gas light, but was eventually dismantled when more modern navigational methods became available.

The demise of the lighthouse came abruptly just after noon on April 13, 1926, a lovely Spring day with a mild northeast breeze. Just enough wave action apparently washed away sufficient sand to topple the tower onto the beach below. The keeper's house did not fall that day, but was later destroyed.

One eyewitness account reported in John W. Beach's book Cape Henlopen Lighthouse is of a Western Union operator in Lewes having his lunch break outside on the day the lighthouse fell. He had been looking at the lighthouse out on the cape. He blinked and when he looked again, the tower was gone. A mist had kicked up as the stones hit the sea water below. Amazed, he ran to a nearby drug store and told the clerk what had happened. Checking the time, it was almost 1:00 p.m.

Souvenir hunters salvaged stone and rubble from the lighthouse and within a few months almost all signs of the former tower were gone to be used in many fireplaces of homes in Sussex County. The erosion of the shoreline and the dune continued its harsh progress so that today the site where the old lighthouse stood is some distance offshore in the sea that claimed it. What little remains of the original 200 acres allotted for the great beacon is part of Cape Henlopen State park.

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# Michael Orhelein, *The Portrait Artist*

featured at

## Bethany Fine Arts Gallery

*"Every photograph begins with a thought, a feeling for what image I wish to create."*

- Michael Orhelein



**Owners:** Michael and Hope Orhelein  
**Phone:** Studio: 302-539-0102 or Gallery: 302-542-1639  
**Email:** michaelorhelein@yahoo.com hopeorhelein@gmail.com  
**Website:** www.BethanyFineArts.com www.OpBeach.com Like us in Facebook  
**Located:** Michael Orhelein Photography Bethany Fine Arts Gallery 100 Garfield Parkway #6, Bethany Beach, DE 19930

**Bethany Fine Arts Gallery** is a Local Art Gallery featuring Local Artists. It is owned and operated by Hope Fitzgerald Orhelein whose vision is to offer unique and beautiful art that you can relate to. "Generic art is everywhere, this is Personal!" Hope is from Media, PA & remembers the charm of the small business & exceptional customer service when she was a child. "Every store was so happy to see your and so helpful, that it made you want to shop there. Back in the day, people were

never on the phone, instead they greeted you and made you feel special. "That is my goal, I want you to enjoy yourself visually, with conversation & engage all your senses, so that when you leave you feel better than when you entered. (Of course if you want to purchase anything that would be great, too.)

When you see the images by Michael Orhelein, you will know that location and you can envision yourself there. What better way to enjoy your home than by surrounding yourself with art that touches your heart and add beauty. Bethany Fine Arts Gallery offers fine art photography & mixed medium by Award Winning P.P.A. Master Photographer, Michael Orhelein, Sabieware Pottery by Master Potter Sabie Carey, Fused & Stained Glass, by JoAnn McMahon, and hand painted glassware and seashell inspired creations, by Ann Marie Grove. All works are originals & we offer custom work from all our artists. When you support Bethany Fine Arts Gallery, you are supporting our local community and we Thank You!

"Great photographs are made, not taken," he says. "Seeing takes practice and an image is often in mind and internal before it becomes a canvas. It is after the image is captured that the decisions of process come into play.

"Technique is crucial, but there must also be passion. There can be passion without art, but there can be no art without passion."

Orhelein spent many summers at the beach while growing up and says sand and water became part of his soul. In 1988, he proposed to local girl Hope Fitzgerald on the jetty at Wellington Parkway in Bethany Beach. Today, they live year-round in the Bethany area and have three children, Ryan, McKenzie and Keegan.

Just 3 years ago Hope convinced Michael to start releasing his land and seascapes and hence **Bethany Fine Arts Gallery** was started. The Gallery carries the work of several other local artists as well. Hope feels it is important to support these local artists and bring their talents to those who love the beach as she does.

### Michael Orhelein, Master of Photography

Michael Orhelein is a Master of Photography, Master Print Maker and the recipient of numerous professional awards, both nationally and internationally, including Overseas Portrait Photographer of the Year from the British Professional Photographers Association and such stateside awards as Portrait of the Year and Best Portrait of a Dog from the Professional Photographers of America. He is also a 5-time recipient of the Kodak Gallery Award and the Fuji Masterpiece Award.

Michael was introduced to the medium of photography and the art of print making at the age of 10. "I accidentally opened the door to my cousin's darkroom and let in the light.... It wasn't the most pleasant event of my life." Shortly after, he began his journey into the world of image making with the gift of a Kodak Brownie camera. In 1977 Orhelein was accepted into the prestigious Brooks Institute of Photography in Santa Barbara, California.

Family portraits made by Michael Orhelein are proudly displayed on the walls of homes everywhere. His ability to make his clients feel at ease and look great has earned him a dedicated following.

### Ocean Images, Vol. I & Vol. II

Michael has released a collection of some of his favorite beach photographs and prose in his first book called *Ocean Images, Volume I* available now at Bethany Fine Arts Gallery next to the Fudge Factory and the Bethany Book Store, at the Ellen Rice Gallery in Ocean View and at Discover Sea Museum in Fenwick Island. Michael is currently working on *Ocean Images, Volume II* to be released this summer (2014), with an accompanying calendar for 2015.

"If you have ever stood in awe of the beauty of the breaking waves or the colors of the sky or the expanse of an osprey's wings, then you will feel that again when you open my book," said Orhelein. "I hope everyone enjoys these images as much as I have enjoyed making them."

*Ocean Images, Vol. I*, is a collection of 60 photographs made in and around the shore from Cape Henlopen to Fenwick Island. Pounding waves, lush sunsets and ethereal sun rises, shore birds, boardwalk scenes and the new Indian River Inlet bridge by day and night are among the scenes filling the pages.

**Michael's work can also be viewed at OpBeach.com or via appointment by calling his portrait studio at 302-539-0102.**

## Bethany Fine Arts Gallery

www.BethanyFineArts.com

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 Fused & Stained Glass - JoAnn McMahon;  
 Michael Orhelein - Land and Seascapes*



*Bethany Fine Arts Gallery is located in the indoor Town Centre at Garfield Parkway and Atlantic Avenue in downtown Bethany Beach, Delaware. Stop in or call.*



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## Relentless Water Sports, LLC.

By Alex Vonbusenius

Phone: 410-390-2384

Website: [RelentlessWaterSports.com](http://RelentlessWaterSports.com)

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**"Miami, Florida"**

3400 Pan American Dr., Miami, Fl. 33133

We are all Maryland born and raised residents and take great pride in our community. Been around here all of our lives and we wanted to bring something new, fun and exciting to the area. When we conceptualized the idea of bringing the jetpack to Maryland's beaches it seemed as far fetched as the ability to fly was! But with a lot of hard work and determination we actually pulled it off! We started RelentlessWaterSports.com as a fun way for us to get away from corporate America. Basically it was just supposed to be a summer gig for us but

What ended up happening has been a true blessings say the least. Since last April we have grown significantly in the marketplace and made huge advances in the industry. It's actually unbelievable how far we have come in such a short period of time. I pinch myself everyday!

After last season We moved to Florida for the winter and after a lot of trail and error we found ourselves opening in Miami, Florida. A true dream come true! As a result the relationships and progress we have made has been nothing short of amazing. We've come out with Relentless Entertainment and Relentless Advertising, both company's based completely around the jetpacks. We had to adapt to our marketplace when we moved to Florida and as a result were forced to explore some interesting avenues that turned out to be great! We now fly day and night shows (jet streams lit up) in the south Florida area and it's really caught the attention of a lot of people. Relentless



aren't afraid to work day and night to watch our dreams come true. Customer satisfaction and safety is our number 1 goal. We work with each and every individual to ensure the fly. Some take a bit longer than others but in the end we have everyone flying and happy. In the beginning it was tough! So tough that I can remember living on hotdogs and being late on rent! But we stayed true to what we set out to do which was to change the face of the water sports industry and it worked! It's amazing what you can do with a little hard work and focus.

This season it is our goal to make our product more affordable to the masses. We want to capture the entire market of age 16 and up. It's our goal to make sure that everyone can get the chance to experience the feeling of flight!

I see us taking this business further than I ever imagined possible. Working with hotels, cruise lines, and setting up Relentless Franchise rental locations up and down the coast as well as the islands is our direction. Franchise opportunity-443-904-4037

**You can call (410-390-2384, MD location) or go online to [RelentlessWaterSports.com](http://RelentlessWaterSports.com) to book your experience of a life time!**

has even expanded into the tv and movie industry! Our first tv show was called "Junk Yard Hustle" on the discovery channel. After that the second one called (SouthBeach Tow, airs Wed at 9pm on true TV), and now the 3rd! For an action movie in the Dominican Republic!

This summer season up north we will be based out of **"De Lazy Lizard"** in **Ocean City, Md** and also will be opening a brand new franchise location in **Dewey Beach, Delaware** at the **Rusty Rudder!** I can't tell you how excited we all are for this summer season.

I think what makes us successful is our willingness to make sacrifices to what the "norm" is. We are a group of guys that

## Getting Pulled Over in Panama

By Vincent Paez

When we think of bribery, we typically think of furtive activity behind closed doors in Washington DC or secretive business deals in the corporate world. In the third world, bribery occurs everywhere, and it becomes part of one's daily life. I learned this years ago, while traveling through Panama.

Panama is a small country with a population of only about three million people. It is a tropical country with extremely high temperatures and high humidity. It's not uncommon to go through several outfits in a day, due to heavy perspiration. The country

has beautiful green tropical landscapes, and the people, for the most part, are friendly. Panama uses American currency, so visiting Americans don't have to worry about exchange rates or being confused about how much something costs. I was staying on the outskirts of the city called David, near the border of Costa Rica, at the home of a friend, who lent me his car one day to run errands. I needed to go into town to do some shopping and get some cash from an ATM. The machine gave me only twenty dollar bills, which I stuffed into my wallet before getting in the car and driving away.

I proceeded down the road, which had no traffic at all, until I noticed in the rear-view mirror a policeman on a motorcycle with his lights and siren on. Yes, he was pulling me over. Convinced I had done nothing wrong, I calmly greeted the officer and asked him what the problem was.

"You illegally passed another car back there," he said sternly.

"But Sir," I objected, "I haven't seen another car in over five minutes!"

"Well Mister, I saw it all happen in front of me. Please give me your license."

I became annoyed inside, but kept my cool externally. I gave him my license, which was from Delaware, and he smiled.

"Sir, I'm going to have to keep this. You can come into the station later and pick it up when you pay the ticket which I am about to give you."

I found this procedure highly unusual and again objected. "Sir, please do not take my license. I need it when I return to the USA tomorrow. Isn't there anything I can do here to solve this problem?"

At that point, he put out his palm and said, "You tell me, Señor." Yes, he was asking for a bribe. I could really tell that I was not in Delaware anymore.

Fortunately, I had gone to the ATM that morning. I opened my wallet, grabbed a twenty dollar bill and gave it to him.

"Will this do?" I asked.

"Why yes, it will!" He shouted. "Thank you very much kind sir!" he said with great pleasure. "If there is anything you need while you

are visiting, please let me know. I'm usually keeping cool by parking underneath that big tree back on the road."

I thanked him and wished him a nice day. Upon returning to my friend's house, I told him that I had to bribe a police officer on the way back from town.

"How much did you give him?" my friend asked me.

"Twenty," I stated.

"Twenty?!!!" he screamed. "Vincent, he was expecting two or three dollars. You just made his week!"

I felt pretty stupid that I gave the officer so much money, but I had only twenty dollar bills in my wallet. My friend explained to me that everyone in Panama always carries small bills exactly for that purpose. The police officers have such miserable salaries, and bribes are a source of supplemental income. What a life, I thought. I'm so glad we don't have to worry about that in the USA. I went into a store and got change for my twenties, just in case I would need it for the rest of my visit.



Vincent Paez



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## Veteran's Affairs

continued from page 1

The Veteran's service center is located in the center of the cemetery, but don't let that scare you away! If you are a Veteran, stop in and see Commissioner Corsa and pick up some information. You never know what might be out there to help you unless you seek it out!

### Veteran Service Officer for Sussex County:

Laurie Corsa, phone: 302-648-3068

### There are two walk-in offices for veteran or family members seeking help or information:

1. Primary Office: *Tues., Wed. and Thurs.*

**Delaware Veterans Memorial Cemetery**  
26669 Patriots Way Millsboro, DE 19966  
302-934-5653

2. Alternate Office: *Mon. and Fri.*

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**Commissioner:** Robert "Bob" Corsa, phone: 302-933-0119, cell (302)745-1668, email: [kco326@aol.com](mailto:kco326@aol.com)

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## NEWS from the Indian River High School ALUMNI ASSOCIATION

The IRHSAA would like to thank ALL who contributed in any way to a very SUCCESSFUL FUNraiser. It was a great night of FUN and the money raised will benefit the continued efforts to enhance IRHS and their students. The success of the event shows the support behind the group and the need for the organization in our area. The growing organization is now close to 1,000 strong!

One local FOOD PANTRY also benefited from the event. Tickets for the auction were given for non-perishable donations brought to the event and multiple bags of much needed food were donated to help the needs of our community.

One original project of the group is the re-instatement of the IRHS Hall of Fame! The nominations are now closed for 2014 and a committee will be meeting this month to choose a deserving candidate to add to the prestigious group. The nominee chosen will be acknowledged at the Senior Awards Ceremony at IRHS on May 21st and added to the "wall". They are proud to have such a distinguished group of IRHS graduates.

Another main goal of IRHSAA is the awarding of scholarships to eligible and deserving Seniors. Last year they awarded 3 (three) \$1,000 scholarships. The number and amount awarded will be dependent upon the fundraising for the year. Applications were accepted until April 29th and all Seniors were encouraged to apply as the criteria was a little different than many other area scholarships. The committee is truly looking for that I.R. PRIDE!

IRHS will soon be displaying a new school sign. After waiting almost 10 years, it is anticipated to see the completed sign in place this Spring. The sign will be something to be proud of and continue to show I.R. PRIDE! The IRHSAA, along with past and present administration, has worked hard to secure donations and research options for design and placement of the sign.

Upcoming events at the school include the IRHS Prom, held on May 10th, which will have a new venue to include the Grand March at the Bethany Beach Boardwalk with the Prom being held at the Clarion in Ocean City, MD. The music department (band and chorus) will be holding their Spring Concert on Tuesday, May 20th and the community is encouraged to attend the FREE performance. They will also be holding their annual Stage Band Shows on Friday, May 16th and Saturday, May 17th at 6:30 pm each evening...the theme is "Music from the Movies". Proceeds from this event benefits the IRHS Music Department and you are always guaranteed to "get your money's worth" in entertainment. Come see the talent within this fine school. The countdown to Graduation is on and will take place on May 27th. Best of luck to all graduating Seniors (and future IRHSAA members)!

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# Why Mist Your Air Conditioner? By Ron Ferrell

The reason you should mist your air conditioner is very simple. Mist-ing your air conditioner can save you as much as 50% on your air conditioning operating cost.

Air conditioners are rated by SEER ratings the higher the SEER rating the less electric it uses for example a 13 SEER uses more electric than a 20 SEER does. The main problem with higher SEER air conditioners is they can cost twice as much as a lower SEER rating air conditioner does.

Pay back on the more efficient air conditioner can take over 10 years to recover your investment. Higher SEER rating air conditioners are also more likely to have break-downs during the life of the unit due to more parts in the unit.

There are several types of misters you can buy for your air conditioner or with a little imagination you can make your own mister. Most misters use around 4 gallons of water

an hour which is the same amount of water that a garden hose uses in 1 minute. Keeping your air conditioner cool on a hot day not only uses less electricity when running but also runs a lot less. On a hot day your air conditioner can run as much as 12 hours nonstop trying to keep your house cool. The hotter it is the smaller your air conditioner



becomes and at the same time your home needs a larger air conditioner.

The hotter it becomes the more electricity your air conditioner uses. The hotter it becomes the higher your Freon pressure becomes which causes more Freon leaks. The mister solves all of the problems air conditioners have on a hot day.

To find out more about an air conditioner mister just go on line you'll find plenty to choose from most misters run around \$100.00 or less and are very easy to install.

Using an air conditioning mister not only lowers your electric bill and reduces breakdowns but it also takes less form the supply grid which helps with lowering brown outs, power outages and power surges.

You may also call Ferrell Cooling And Heating for more information at 302-436-2922.

## High Tide News BOOKLIST

If you are an author or know of a Sussex County author who would like to have their book included in our listing here and online, please fill out the form and upload your cover photo at: www.hightidenews.com/books or email the information to: news@hightidenews.com. Updated every month.

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### DRUMS OF COURAGE

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**Email:** Linehan121@verizon.net

**Book Description:** Thirteen year old Cory Cromwell deals with personal conflicts, while the story of the 71st PA Volunteer Infantry Regiment unfolds around him. Experience the sights, sounds, fear, loneliness and friendships of a drummer boy in the Civil War.

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