

# BIG DIAMOND

HILLSBORO  
LIGHTHOUSE  
PRESERVATION  
SOCIETY

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## U.S. COAST GUARD HANDS OVER MAINTENANCE OF HILLSBORO LIGHTHOUSE

**Hillsboro Lighthouse Preservation Society performs much-needed lighthouse repairs**

The United States Coast Guard Seventh District has granted the Hillsboro Lighthouse Preservation Society (HLPS) access to fund and perform significant repairs to the 105 year-old lighthouse, one of the oldest structures in Broward County.

“While many lighthouses have become vestiges of maritime culture, the Hillsboro Lighthouse remains an important aid to navigation,” said Art Makenian, HLPS President. “HLPS will now be allowed to maintain the lighthouse and preserve this historic structure for future generations.”

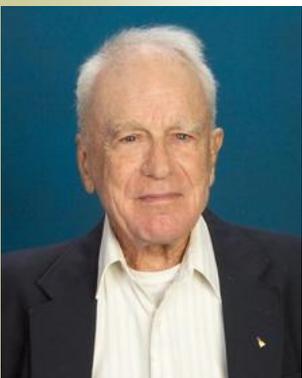
The Fresnel lens will continue to be maintained by the USCG Aids to Navigation team based in Fort Lauderdale. The lens can be seen 28 nautical miles out to sea, making it the most powerful lighthouse beam in the world.

*(Continued on page 14)*



Measuring for the new Lighthouse entrance door  
Source: Art Makenian

RAYMOND MCALLISTER  
1923-2012



See Page 9

## EROSION FROM TS DEBBY, HURRICANE SANDY ENDANGERS HILLSBORO LIGHTHOUSE

**100-year old artifacts exposed by TS Debby – Inlet District urgently replenishes beach to save lighthouse foundation; HLPS Lighthouse Museum opening delayed**

As the fourth tropical storm of the 2012 Atlantic hurricane season, Tropical Storm Debby made history

for being the earliest fourth named storm to emerge. In advance of the storm, on Friday, June 15, the

southeasterly winds at Hillsboro Inlet Light Station were blowing

*(Continued on page 6)*

## FROM THE PRESIDENT

The big event for this period came in a letter from the Coast Guard Seventh District Waterway Management Branch Chief, who is the prime authority of all Aids to Navigation - including all functional lighthouses that stretch from the South Carolina border to the U.S. Virgin Islands and Alabama triangle - including Puerto Rico. Here is an excerpt from that letter:

*"In accordance with your Real Property License issued by Civil Engineering Unit Miami, HLPS is authorized to conduct minor repairs to the Hillsboro Lighthouse property. Pending authorization from the Florida Department of State, the Seventh District cordially accepts your offer from HLPS to fund and supervise the repairs in accordance with any guidance and regulations from the Florida Department of State."*

HLPS is thankful to our CG Seventh District leadership for providing us the opportunity to actively participate in the preservation of our Hillsboro Lighthouse, which we consider to be a great landmark worth preserving in our locality. HLPS plans to take this new responsibility very seriously, and we pledge our full cooperation with all organizations involved in preserving this structure with the highest level of professionalism.

So far, all of our goals for 2012 are met, except for raising sufficient operating funds. Proudly, your *Big Diamond* is better than almost all other periodicals you receive in the mail, but we have been forced to reduce the number of issues per year due to lack of money. Although our membership numbers have stayed more or less constant, our revenues have not quite covered all of our extraordinary expenses. Therefore, the HLPS Board has decided to revise our membership dues for 2013.

Let me give you a brief example of what our expenses are:

- Liability insurance premiums for all our lighthouse visitors, our working volunteers and every person associated with the Preservation Society;
- Shuttle boat chartering to transport the public visiting the lighthouse and the grounds;
- Volunteer resources management expenses and support;
- Administrative expenses to maintain a 501(c)(3) corporation;
- Maintaining historic and capital assets such as statues, monuments and mostly the Hillsboro Lighthouse structure;
- Conduct lighthouse tours to the general public and other civic organizations including but not limited to schools, institutions and religious organizations;
- Initiate programs to educate the public at large, especially the younger generation.

Beginning next year, HLPS membership fees will increase slightly per our Board's decision. We are exploring grants offered by federal, national, municipal, corporate and/or private level, and are very fortunate having Ms. Debbie Divich, who joined our team to exclusively write grant requests. It takes a special skill to write a grant request, and Ms. Divich has the experience.

Finally, on September 1<sup>st</sup>, we launched our lighthouse maintenance program with 18 volunteers. During the past three months, we have accomplished a significant amount of work in spite of the destructive wind force of Hurricane Sandy which reached only few feet from the foundation of the lighthouse and the new bronze Barefoot Mailman statue. Since then, all the damages has been corrected and restored even better than before. You will be able to see all this during your next tour of the lighthouse.

On behalf of HLPS, we all look forward seeing you there. Please bring your friends and relatives along for a wonderful visit to the lighthouse.

The mission of the Hillsboro Lighthouse Preservation Society is to promote the history of the Hillsboro Inlet Light Station and the Hillsboro Inlet area through preservation of structures and artifacts, education and public access tours.

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*Art Makenian*

## POMPANO BEACH HIGH INTERACT CLUB VISITS LIGHTHOUSE

Interact is an international organization of service and social clubs for young people ages 12 to 18 that fosters leadership, responsible citizenship and promotes international understanding and peace. The name was created by combining the words "international" and "action." Interact Clubs are sponsored by Rotary Clubs as a program of Rotary International. Rotary Clubs provide guidance and inspiration, but the Interact Clubs are self-governing and self-supporting. The membership base of a club can be drawn from the student body of a single school or from two or more schools from the same community.

There are more than 10,700 Interact Clubs in 109 countries and geographical areas, that involve almost 200,000 young people.

At the HLPS Light Station tour on October 13, 2012, members of the Interact Club from Pompano Beach High School spent the day learning about the history of Broward County's only lighthouse, and visiting with the HLPS volunteer guides to cover the many points of interest.

In addition to spending time with Barefoot Mailman reenactor Ben Ellis, Emma Nestter, Natalie and Natasha Nunes, Fahmina Majumbar, Ella Levinger and Saul Barcia of Pompano High's Interact Club also spent time with the Gold Coast Amateur Radio Association display table, where they learned how to send and receive calls around the world using ham radio equipment. ◇



Members of the Pompano Beach High's Interact Club with Hib Casselberry  
Source: HLPS Member

## 2013 HILLSBORO INLET LIGHT STATION TOUR SCHEDULE ANNOUNCED

### Six tours slated for 2013, including lighthouse's 108th anniversary celebration

For people who love to visit lighthouses, a tour of the Hillsboro Inlet Light Station is an outstanding experience. Rarely do lighthouse lovers get to visit a lighthouse that is still an active aid to navigation. Hillsboro Lighthouse will be open to the public on selected Saturdays as listed below.

Enjoy a 30-minute boat ride along the Intracoastal Waterway from Pompano Beach to the lighthouse and, in your time on the grounds, you will get to walk in the footsteps of the original lighthouse keepers. We hope you enjoy your day with us as much as we will enjoy taking you on this adventure.

For more information, visit [www.hillsborolighthouse.org/tours.html](http://www.hillsborolighthouse.org/tours.html). ◇

### 2013 TOUR DATES

- Saturday February 2, 2013 - (National Historic Preservation)
- Saturday March 9, 2013 - (Hillsboro Lighthouse Birthday)
- Saturday April 20, 2013 - (Florida Lighthouse Day)
- Saturday June 15, 2013 - (Father's Day - Flag Day)
- Saturday August 10, 2013 - (National Lighthouse Day)
- Saturday October 12, 2013 - (Barefoot Mailman Day)



## HLPS PRESIDENT EMERITUS HIB CASSELBERRY PRESENTED WITH NSDAR HISTORIC PRESERVATION MEDAL

### HLPS Historian honored for a lifetime of lighthouse preservation efforts

For more than a century, the members of the National Society Daughters of the American Revolution (NSDAR), have dedicated themselves to historic preservation, promotion of education, and encouragement of patriotic endeavor. On occasion, NSDAR awards their prestigious Historic Presentation Medal to recognize and honor a person who has done extraordinary work over a long period of time in establishing a historic district, preserving a local landmark, or restoring or preserving objects of historic cultural significance at the regional, state, and/or national level. This is DAR's highest honor for historic preservation.

At a ceremony held on Saturday, November 3, 2012 at the Coral Ridge Yacht Club in Fort Lauderdale, NSDAR's Historic Preservation Committee awarded HLPS Historian and President Emeritus, Mr. Hibbard "Hib" Casselberry, the NSDAR Historic Preservation Medal in recognition of outstanding achievement in historic preservation.

Excerpts below are from Hib's biography, written by Kathleen Dempsey, Parliamentarian and Co-Chairman of the Lighthouse Point Chapter of NSDAR.

*Hib Casselberry has been on a mission in Florida for many years to preserve the heritage of the lights that kept sailors safe. Now nearing ninety years old, Hib still may be found every Saturday at the Pompano Beach Green Market, manning a booth to publicize Hillsboro Lighthouse history, and steadfastly continues his activities to promote the importance of the role of lighthouses in Florida and the need to preserve this segment of maritime history.*

*In 1972, Hib teamed with the 7th District U.S. Coast Guard Miami, to collect photographs and compile the history of the region's lighthouses in preparation for the nation's Bicentennial celebration. As a member of the National Trust for Historic Preservation, he strongly promoted the*



**From left to right:** Kim Zeman, Corresponding Secretary & Co-Chairman Historic Preservation Committee, Lighthouse Point Chapter, DAR; Hib Casselberry, NSDAR Historic Preservation Medal Recipient; Cynthia Symanek, Recording Secretary, Lighthouse Point Chapter and Florida State Society Vice Regent, DAR and Pamela Smith-Gondek, Regent, Lighthouse Point Chapter

*inclusion of lighthouses, and in 1978 he became a charter member of the Florida Trust for Historic Preservation (FTHP). From 1980-1986, Hib was a member of the executive steering committee of the Florida Maritime Heritage Program.*

*Hib was a leader throughout the state in the lighthouse segment of maritime programs, frequently presenting papers, making speeches, and doing slide presentations on Florida's thirty remaining lighthouses. He made it a*

*goal to enlist public support for lighthouse preservation when it became clear that many such structures would be lost unless the public recognized the need for maintenance and restoration. To that end, he published numerous articles such as "A Revisit to a Lightkeeper's Home," Broward Legacy, April 1977; several articles during the 1980s on lighthouses published by the Florida Maritime Heritage Conferences; and numerous articles on the history of the Hillsboro Light Station in its "Big*

*(Continued on page 5)*

## HLPS HILLSBORO INLET WEBCAM SUFFERS DAMAGE

In late August 2012, a vertical crack appeared on the glass shield that protects the HLPS Hillsboro Inlet EarthCam Web cam lens. On October 1st, the Web cam was removed and sent back to the factory for lens replacement, which was then reinstalled and back in operation on October 25th. See live streaming views from the Hillsboro Inlet Light Station, and catch a glimpse of Hillsboro Bay and the inlet leading into the Atlantic Ocean by visiting [hillsborolighthouse.org/wc.html](http://hillsborolighthouse.org/wc.html). ◇



Snapshot from the HLPS Hillsboro Inlet EarthCam

## HIB CASSELBERRY NSDAR PRESERVATION AWARD

(Continued from page 4)

*Diamond*” newsletter.

Hib was instrumental in establishing the Florida Lighthouse Association (FLA) in 1996, and the group was chartered by the State of Florida as a non-profit corporation. He was initially Vice President in charge of membership, managing a database in excess of 400 names of lighthouse enthusiasts, and is still the FLA District Commissioner for the Atlantic Coast. In 2000, Hib assumed the challenging start-up task of Education Committee Chairman, overseeing the FLA-sponsored “Lighthouse Award” high school essay contest for the Florida History Fair competition that began in 2001. In addition, he traveled with fellow FLA member Tom Taylor to establish lighthouse preservation societies at Amelia Island, Mayport, Carrabelle,

Cape Canaveral and other Florida locations.

When the FLA held their quarterly meeting and tour at the secluded Hillsboro Inlet Station in July 1997, Hib recognized a need to preserve its history. At that meeting the lighthouse was opened to the public for only that one day. The opportunity to visit the structure generated the interest of more than 200 local residents in addition to the existing FLA members.

Within a year, Hib and other local leaders, including Dr. Ray McAllister, formed the Hillsboro Lighthouse Preservation Society (HLPS). Hib is a charter member and initially served as Membership Chair, paralleling his FLA service. In 2001, Hib became President of HLPS, and remains as the Historian.

Hib currently maintains a variety of

lighthouse and maritime board memberships and affiliations, including:

- Florida Trust for Historic Preservation, 1978 charter member and current member;
- Ponce de Leon Lighthouse Preservation Association, 1970s to present, associate member;
- Florida Lighthouse Association Inc., 1996 charter member and ongoing board member;
- Hillsboro Lighthouse Preservation Society Inc., charter member and board member since 1977, serving four years as President, currently Historian and President Emeritus;
- Florida Keys Reef Lights Foundation Inc., 1998 charter member and ongoing board member;

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## TS DEBBY, HURRICANE SANDY

(Continued from page 1)

from 30 to 45 knots, the surf was pounding the south side of the beach inside the north jetty. Debby eroded millions of cubic yards of sand, soil, trees, bushes and several sea turtle nests. The waterline south of the lighthouse was about 40 feet away before these storms, but by June 30 the waterline was within 10 feet of the lighthouse with an 8-foot cliff dropping off to the shore.

A number of lighthouse artifacts were uncovered by TS Debby – some being over 100 years old – including a steel wheel from the lifesaving boat ramp, stone chalks for oil tanks (when the lighthouse was powered by oil, not electricity), iron turnbuckles and tie rods, bricks from the oil house, sandbags, and a brick seawall.

Hillsboro Lighthouse Preservation Society volunteers recovered these items Monday evening, June 25, packing them in sea water to preserve and stabilize the artifacts, and to prevent deterioration. The uncontrolled exposure to air of any material recovered from a marine environment can lead to irreversible damage and the loss of archaeological data. HLPS is working to preserve these artifacts using electrolytic reduction to save them for display in the Hillsboro Lighthouse Museum.

HLPS was very concerned about the nearly exposed foundation of the lighthouse when Hurricane Sandy, the "Frankenstorm" that



Erosion from TS Debby  
Source: HLPS Member

brought flooding and 80 mile per hour winds to South Florida on October 25, created a storm surge that went through the gap in the ocean side dunes. Sea water was running between the cottages at the lighthouse to the lower parking area west of the cottages, with the storm further eroding the southeast and southwest shoreline around the lighthouse structure, exposing parts of the its foundation.

The sand dredge operated by the Hillsboro Inlet District was working overtime to restore the beach and clear the tons of sand that breached the jetty during Hurricane Sandy.

Hurricane Sandy also has delayed the opening of the HLPS Museum at the Hillsboro Inlet Park. While the seawall repairs at the park are 98% complete, the opening of the park and construction has been delayed because of the storm, which loosened decking panels on the boardwalk. Pompano Beach officials indicate that a punch list process has been started and the items identified are being

corrected by the contractor. Repair items not included in the contract such as the railing and decking at the north end of the park are being implemented by city forces and are 75% completed, but no opening date has been provided at this time. ◊

### TS Debby

<b>Formed</b>	June 23, 2012
<b>Dissipated</b>	June 27, 2012
<b>Highest winds</b>	60 mph (95 km/h)
<b>Lowest pressure</b>	990 <u>mbar</u> (hPa); 29.23 <u>inHg</u>
<b>Fatalities</b>	7 direct, 2 indirect
<b>Damage</b>	\$308.7 million (USD)

### Hurricane Sandy

<b>Formed</b>	October 22, 2012
<b>Dissipated</b>	October 31, 2012
<b>Highest winds</b>	110 mph (175 km/h)
<b>Lowest pressure</b>	940 <u>mbar</u> (hPa); 27.76 <u>inHg</u>
<b>Fatalities</b>	253 total
<b>Damage</b>	>\$65.5 billion USD



HLPS Volunteer Linda Peck assists in retrieval of artifacts exposed by TS Debby

## TS DEBBY, HURRICANE SANDY



Above: Waves generated by Hurricane Sandy breach the Hillsboro Inlet wall

Below: Hillsboro Inlet District dredge works to clear the inlet and replenish the beach



## TS DEBBY, HURRICANE SANDY



Granite stone gable end caps from the brick oil house (inset) exposed by TS Debby  
Source: HLPS Member

**DID YOU  
KNOW...**

Also called the Tower of Hercules, the world's oldest working lighthouse is **La Coruna** at the northwest tip of Spain, built by the Romans early in the second century A.D.

## IN MEMORY OF DR. RAYMOND F. MCALLISTER JUNE 26, 1923 - SEPTEMBER 17, 2012

Hillsboro Lighthouse Preservation Society founding member and Director Emeritus Dr. Raymond F. McAllister (Ray, Dr. Mac, Doc) passed away quietly in his home on Monday, September 17, 2012. He was 89.

Born in 1923 in Ithaca, New York to Raymond and Jessie McAllister, he is survived by his two sons, Keith and Kevin McAllister; his daughter, Karen Day; granddaughters, Lisa and Maureen McAllister, Cristin Day, and Kerry McAllister; grandsons, Matthew McAllister, Patrick Day, and Evan McAllister; great-grandson Nicholas, and great-granddaughter Isabella.

During World War II, he served in the United States Army, Infantry, 45th Division, from 1943 until 1945 as a private platoon medic. After the war he received his B.S. in Agriculture from Cornell University in 1950 before completing an M.S. in Geology at the University of Illinois in 1951. He earned a Ph.D. at Texas A&M in 1958, but had already begun teaching at California Western University, in 1952, and Texas A&M in 1955, maintaining a lifelong fascination with and love of the world's oceans. That began his career teaching about the oceans, studying and exploring them worldwide from Bermuda to Guam.

A pioneering Professor Emeritus of Ocean Engineering at Florida Atlantic University, he also fought to protect South Florida's coral reefs more than 40 years ago, long before anyone realized they were in danger.

"Doc Ray had been an advocate for the reefs way before the green thing," said Daryl Wilmoth, 64, of Boca Raton, who has been diving for 50 years and keeps his boat behind McAllister's waterfront home.

"We always felt like we owed Doc. When they would lay undersea cables, he did a lot of work locating the gaps in the reefs for the cable so they didn't have to go over the coral."

"It wasn't fashionable back then, but Dr. Ray didn't care," said Jeff Torode of South Florida Diving Headquarters in Pompano Beach. "He saw [the reefs] in their prime and then saw

them deteriorate over the years. People don't understand what it used to be like or could be like."

McAllister, who started scuba diving in 1951 and was doing two-tank dives on Wilmoth's boat Seahorse earlier this summer, helped many divers explore those reefs with his books "Diving Locations," which he first published in 1971.

Long before GPS became available, the book was filled with land ranges that divers could use to find reefs and wrecks by lining up landmarks such as buildings and water towers. McAllister constantly updated the ranges as South Florida's building boom changed the coastline.

"Local divers owe a lot to Dr. McAllister because he identified all the reefs that you could dive on," said Jim Mathie, of Deerfield Beach, the author of the how-to lobstering book, *Catching the BUG*.

"He was an advocate of the sport, just mainly for the joy of diving," Wilmoth said. "He would encourage people that were a little bit hesitant to try scuba diving to take the plunge."

To honor McAllister, Torode and Wilmoth attached a steel sculpture called "Reef Art" to the Ancient Mariner wreck, which is in 70 feet of water off Deerfield Beach. Originally built for the former Tails Island Grill in Pompano Beach, the \$10,000 sculpture was given to Torode by Hunter Hospitalities three days before McAllister died.

### Father of the modern-day dive wetsuit

Ray began his diving career at Scripps Institution of Oceanography, and taught his first scuba class in 1952 - his scuba course is believed to be the first civilian, non-military diver's course in the United States.

Scuba diving in California in the early 1950s was a challenge. With no protective gear available, the divers only had shorts to wear into the 55 degree water, and often surfaced shaking from cold, almost hypothermic. Ray McAllister recalls divers attempting to swim in

the fetal position, trying to hold regulators to lips that were numb with shaking hands.

Divers who tried diver's long johns, found they did help some, however, by the end of the dive, they were still hypothermic. Ray recalls obtaining Italian Pirelli drysuits. These consisted of thin rubber with waist seals which were rings of grooved, hard rubber over which the upper and lower halves of the suit were stretched. These suits often became snagged on submerged items, letting in the icy water.

Ray obtained 10 surplus U.S. Navy drysuits from the Underwater Demolitions Unit. Entering the suits from a back entry that was rolled up and clamped off, they found these suits snagged less easily than the Pirelli suits. The seals around the wrist and face still leaked, however, once the water warmed, it was better than the cold Pacific waters.

Searching for another option, Ray found an exposure suit that the U.S. Army developed for soldiers in wet foxholes. It was constructed of 3/8" foam plastic. The downside was that it took 40 pounds of weight to get it underwater because of its buoyancy. With descent, though, it became heavier and extremely dangerous.

In 1953, Dr. Hugh Bradner at the California Radiation Laboratory was experimenting with protecting humans immersed in a water tank of very low temperature. Three neoprene suits were developed, one of which he gave away to diver Jim Moriarty.

Ray recalls diving with Moriarty that winter off the Scripps pier. After the dive, Ray asked Jim how he felt. The reply was, "Great!" Pulling out the back of Jim's wetsuit, Ray placed his icy hand into the back and found it still quite warm.

In the 1950s, Dr. Bradner formed a company called Engineering Development Co., or EDCO, with their wetsuits becoming very popular in California. Ray sold almost all that he owned in order to buy EDCO serial #57.

With it being slick rubber on both sides, tire

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IN MEMORY OF DR. RAYMOND F. MCALLISTER



# Ray's Corner



The McAllister survives after a dive in the waters off Baja from in his book 1980, McAllister and his Farouk Adamski take great pains collecting shark plates of a reef damaged by a nuclear war.

## McAllister has escaped barracudas, milked whales

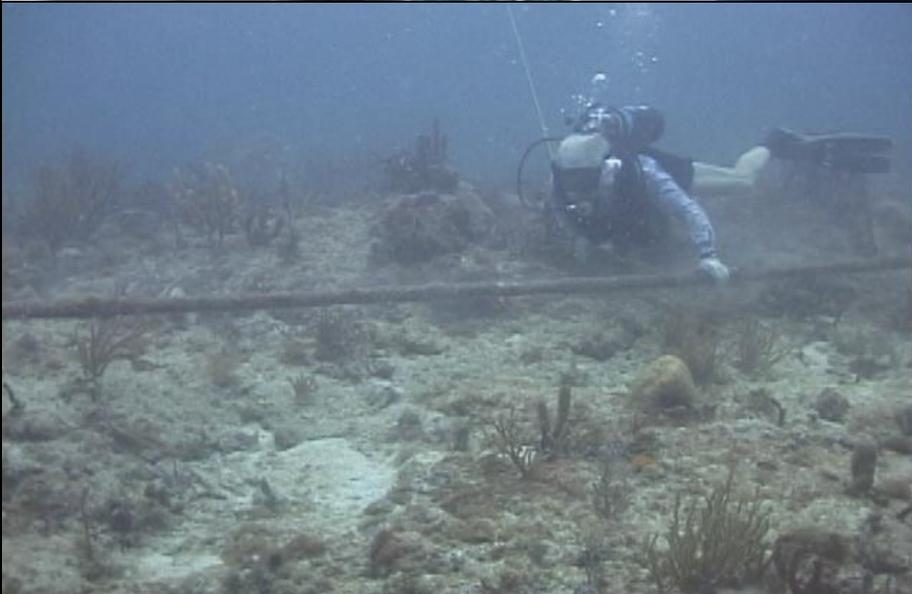
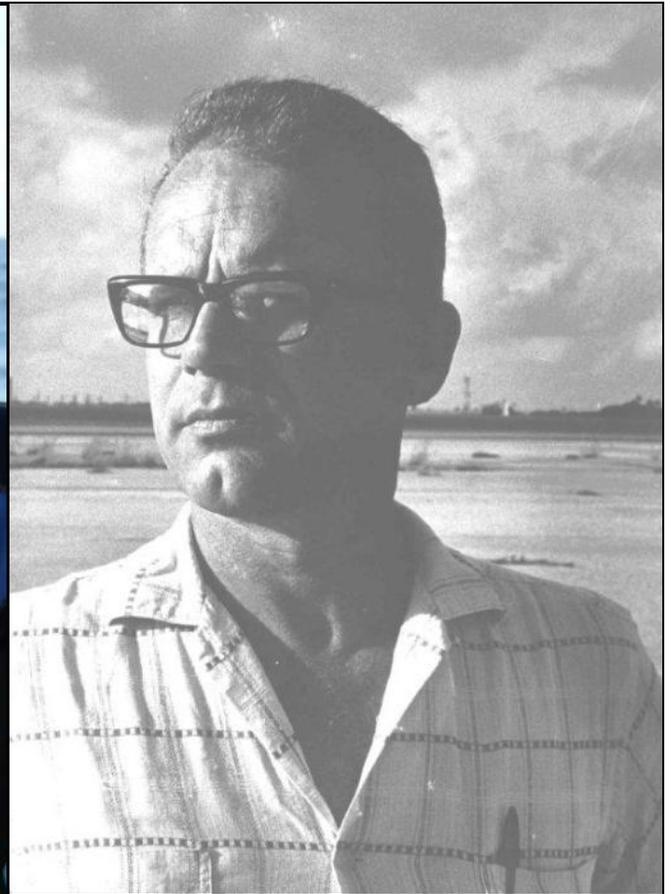
McALLISTER (page 10)

McAllister said, "We were until we were out of air."  
A 3-1/2-hour shift told him he had five minutes of bad luck, but McAllister was down every time he got. And it wasn't long when he realized how dangerous being without training could be.  
On his third dive, to 80 feet, he died with shock because he was not always how to tap his reserve air supply and the use of air on the return.

"It whistled all the way to the bottom, threw off my mask and returned," he said.  
During his early years of diving in California, McAllister said his buddies started wearing neoprene wetsuits than "leaky rubber suits" would be kept them warm in the chilly Pacific.  
He bought his first wetsuit for \$1 with money raised by coaching swimmers. McAllister also taught diving and spearfishing skills to his family. "We usually find the ocean. If we see any life, we'll take it."



- JUNE 26, 1923 - SEPTEMBER 17, 2012



## RAYMOND F. MCALLISTER

(Continued from page 9)

talc or cornstarch was needed to lubricate it while pulling it on. Years later a rubber compound was developed that allowed easier access.

Ray found putting the wetsuit on was still a challenge. He revised it by adding an industrial 24" brass zipper from the hip to the throat. He completed this with Black Magic suit cement. Other divers seeing this innovated design began sewing zippers in their wetsuits as well.

### Adventures in later years

McAllister was a pioneer of education in ocean engineering. He was a professional lecturer, a producer of science television programs, a member of committees that dealt with artificial reefs, ocean waterway regulations, research and conservation, marine history and archeology and a consultant and advisor for projects in California, the Virgin Islands, the Bahamas, Bermuda and Florida.

Ray helped start the world's first ocean engineering program at Florida Atlantic University (FAU) and taught oceanography there for 28 years, before retiring as a Professor Emeritus in 1993. He was a founder and mentor of the FAU Human Powered Submarine race team.

"Dr. McAllister was a much loved colleague in the department of ocean and mechanical engineering," said Mohammad Ilyas, Ph.D., interim dean of FAU's College of Engineering and Computer Science. "He gladly gave of his time and energy to help students who benefited greatly from his wealth of knowledge."

McAllister received the FAU Distinguished Teacher of the Year award in 1993, FAU's highest teaching honor, awarded on the basis of scholarship, research and publications, classroom teaching, academic counseling, and University and community service. He continued to serve the campus as a professor emeritus after his retirement in 1993. In recognition of his long service and dedication, the Ocean Engineering Department in 2004



HILPS Member Volunteers at the Ray McAllister Tribute at October 13th Light Station Tour.

Source: HILPS Member

started the Raymond McAllister Ocean Engineering Freshman Scholarship for incoming freshmen with the highest GPA and SAT scores of the incoming class.

In 2004 the Broward County, Florida Board of County Commissioners and the Historical Commission named McAllister a modern pioneer, whose efforts as a good and productive citizen contributed to the growth and development of Broward County, Florida.

McAllister co-edited the *Handbook of Ocean and Underwater Engineering* (1969), the first book on the subject of ocean engineering. He also wrote many scientific research papers and a children's book, *Sea Stories from a Diving Dinosaur*. His book *Diving Locations, Boynton Inlet to Dania Pier* (1994), is a popular book among local divers.

By the mid 1990s, Ray had logged 5,000 dives, obtaining the elite professional status of Platinum Pro 5000 Diver in 1997. One of his more unusual exploits was his attempt to ride a humpback whale one evening at sea, when he got his foot caught in the blowhole. The whale rolled away from the side of the ship and sounded (as whales are wont to do with a foot inserted). Clearly he extricated himself and lived to tell the story again and again and again.

### Founding member of HILPS

Ray served as an honorary member of the U.S. Coast Guard Auxiliary, was an active member of the Under Sea Adventurers Dive Club, participated as an honorary member of the Old Time Music Jammers, and was one of the founding members of the Hillsboro Lighthouse Preservation Society, serving on our board until his passing.

His connection to the Hillsboro Lighthouse goes back to his mother, who as a young child was rescued from certain death by her uncle, Raymond Pinder, an assistant lighthouse keeper at Hillsboro Inlet Lighthouse. She was adopted into his loving family and spent happy, carefree years at the lighthouse. She later named her son Raymond in honor of that uncle.

Dr. Ray was instrumental in pulling the lighthouse back from the brink of decline, and was so familiar with the vagaries of the Gulf Stream that he could easily explain to visitors riding the boat to or from the lighthouse why there was need for a lighthouse at the Hillsboro Inlet.

At the October 13th HILPS tour at the Hillsboro Inlet Light Station, a public

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## RAYMOND F. MCALLISTER

(Continued from page 12)

ceremony was held in honor of Dr. Ray and his lifetime of accomplishments.

Additionally, on Sunday, October 28th, Hillsboro Lighthouse Preservation Society volunteers planted a permanent reminder of Dr. Ray in the Centennial Brick Patio located at the Hillsboro Inlet Light Station.

HLPS President Art Makenian recognized McAllister's contributions during the private afternoon ceremony. Ray's children, Keith, Karen and Kevin, daughter-in-law Terri, and granddaughter Cristin shared memories of McAllister's involvement and talked of McAllister's grandfather, Ramon Pinder, the lighthouse's First Assistant Keeper in 1909. Members of the preservation society were on hand as three bricks were placed on the commemorative brick patio in his honor.

"We honored him because of his sincere interest in our reefs offshore, our inlet and our lighthouse," said Hib Casselberry, HLPS Historian and President Emeritus.

Dr. Ray will be greatly missed.

For more information about Dr. Ray McAllister, see his website at [dinodiver.com](http://dinodiver.com), or [www.45thdivision.org/Veterans/McAllister.htm](http://www.45thdivision.org/Veterans/McAllister.htm). ◇

### Photos on Page 10 and 11

#### Clockwise from top left:

- Ray's Corner—from [dinodiver.com](http://dinodiver.com)
- In the Aleutian Islands.
- Iconic dive photo
- In Bermuda
- During WWII
- Checking cables along a reef
- With the human-powered submarine team
- A newspaper article from the past
- Warming up for the narrative on the boat for a lighthouse tour day



Art Makenian holds a commemorative brick at Ray McAllister's private ceremony on October 28th.

Source: HLPS Member

## LIGHTHOUSE REPAIRS

*(Continued from page 1)*

Built to withstand horrible storms, the lighthouse could not withstand not being cared for, and was in serious disrepair, including the exterior, which required refinishing in early 2012.

“HLPS is excited to receive the lighthouse and reaffirm our commitment to preserving it,” said Makenian.

HLPS member volunteers have been spent hours restoring the lighthouse, such as Elsie Nachtsheim of Deerfield Beach. “I’ve always been fascinated by this historic structure, and was saddened to see its condition last year when I visited on a tour. I am happy to give some of my time in preserving this wonderful lighthouse for future generations,” she said.

Ken Herman and his son Kit, of Pompano Beach were also on hand to assist in the restoration efforts. “I’m glad to see that the lighthouse is being revitalized,” Kit said. “It’s not hard to give some time to help repair the lighthouse when I have this fantastic view.”

HLPS’s first priority has been to replace the aging lighthouse doors at the base and top of the structure. Interior painting and replacing windows and floors followed soon after. In addition, several interior sections of the lighthouse skin have rusted through, and will be replaced as part of the restoration. ◇



Lighthouse Cylinder Wall Section Removed  
Source: Art Makenian

## LIGHTHOUSE REPAIRS



### Above

Newly refinished floor at the top of the Hillsboro Lighthouse

### Left

Kit (l) and Ken (r) Herman work to expose the lighthouse's original brass door frame

## POMPAÑO BEACH TO INCORPORATE LIGHTHOUSE ARCHITECTURE IN UPGRADE OF HILLSBORO INLET BRIDGE

### Design team seeks to provide aesthetic improvements as part of upcoming maintenance

At a November 14 presentation at the Pompano Historical Society, Louis Friend, Construction Manager for the City of Pompano Beach and Scott Bakos, Partner at Bermello, Ajamil & Partners, highlighted upcoming maintenance to the Hillsboro Inlet Bridge that they hope will include aspects of the Hillsboro Lighthouse and the story of the Barefoot Mailman.

Mr. Friend started by noting that the Hillsboro Inlet Bridge is about to cycle to its required 15-year maintenance window, whereby the Florida Department of Transportation (FDOT) is required to inspect, repair, upgrade and paint the bridge. The maintenance window for these upgrades are expected to begin in early 2014 and extend through early 2015.

Mr. Friend went on to explain that as part of

this 15-year maintenance cycle, the City of Pompano Beach reached out to FDOT in order to contribute ideas to upgrade design aspects of the bridge, both for safety purposes as well as general aesthetics, collaborating with a series of individuals on design "options," including local artist and Barefoot Mailman sculptor Frank Varga. Pompano's goal was to provide aesthetic improvements to the existing bridge by incorporating a series of new elements, while enhancing existing areas of the bridge to provide a strong visual impact - to be seen from land and water from all directions.

Multiple ideas and many presentations were made to FDOT over the course of five to six months, and in the end, the final "options" were shown to approximately 25 members of

the public that were in attendance.

- "Celebrated entry elements" that use the architecture of the Hillsboro Lighthouse, and the elements of the story of the Barefoot Mailman in the overall update of the bridge.
- ◇ Bridge tender building raised to two-stories, with pediment roof lines to reflect the entrance to the lighthouse, and windows to be similar to the lighthouse windows.
- ◇ A 20-foot bas-relief column on the east pedestrian outset (observation area toward the lighthouse) that has a bronze BFMM sculpture at the top.
- Decorative safety guardrails (east side

(Continued on page 17)

### Proposed Design

**APPROACH SPAN SECTION**

**BASCULE SPAN SECTION**

**ROADWAY SECTION**

**TYPICAL RAILING ELEVATION**

Hillsboro Lighthouse architectural elements to be used in Inlet Bridge redesign  
Source: Scott Bakos

## HILLSBORO INLET BRIDGE

(Continued from page 16)

between pedestrian walkway and water, and west side between walkway and water) that mirror the steel ties that surround the lighthouse.

- Crash wall (safety barrier) between pedestrian walkways and the traffic.
- Upgraded paint scheme, with bold lettering on both waterway facades with city names embossed on them.

Mr. Bakos presented a series of computer-

generated images that highlighted the proposed before and sightlines of the bridge.

While final design plans are expected to be approved in 3Q-2013, with bids in the 4th quarter, permitting and construction is expected to start no earlier than 1Q-2014. ◇



Computer-generated rendering of the proposed updates to the Hillsboro Inlet Bridge

Source: Scott Bakos

## LIGHTHOUSE TOUR VOLUNTEERS

HLPS Workers at the Boat Dock

Annie Garrick, Doug Mechutan, Linda Peck, Susan Taylor. Special assistance from Pompano Beach High School students Emma Nestter, Natalie and Natasha Nunes, Fahmina Majumbar, Ella Levinger and Saul Barcia

Coast Guard Auxiliary (USCG Auxiliary Division 3)

Carlos Arenas, David Bailey, Bruno Berti, Gene Cain, Liz Clark, Scott Cleary, Paul Dale, Christina Doone, Jack Doyle, Ed Duda, Marie Duda, Gail Edelman, Jerry Edelman, Marvin Merrit, Jane Mueller, Pat Feighery, Joe Pomponio, Mario Stagliano

HLPS Workers at Lighthouse

Jennifer Burns, Jack Burrie, Hib Casselberry, Ed Dietrich, Debbie Divich, Steve Hoczak, Art Makenian, Tim McGuire, Dave Noderer, Bill Slager, Joe Suggs

Gift Shop

Joyce and Mike Hager

Museum Manager

Judy Knoebel

Barefoot Mailman

Ben Ellis

Photographer

Ken Herman

Water Transportation

South Florida Diving Headquarters

## e-News

Join our mailing list and receive "eNews of HLPS" detailing HLPS news and the progress of projects at the Hillsboro Inlet.

Send your e-mail address to Hib Casselberry at: [info@hillsborolighthouse.org](mailto:info@hillsborolighthouse.org).

## HIB CASSELBERRY NSDAR HISTORIC PRESERVATION MEDAL

(Continued from page 5)

- Florida Maritime Heritage Program Steering Committee member;
- United States Lighthouse Society member;
- Past member of lighthouse preservation groups at St. Augustine, Amelia Island, Mayport, Carrabelle, Cape Canaveral, and other lighthouse societies.

In addition, Hib's valiant lighthouse

historic preservation efforts have not gone unrecognized. Among the maritime awards he has received are:

- FLA Lifetime Achievement Award, 2002, for accepting numerous responsibilities;
- Dept. Homeland Security, U.S. Coast Guard, Certificate of Merit, 2005, for preservation;
- FTHP Certificate of Appreciation for FL Maritime Heritage Program Steering Committee;
- FLA President's Annual Award,

2006, for distinguished service as a founder;

- FLA District Commander Emeritus, 2009, for 13 years service;
- HLPS plaque for service as Vice President and Treasurer;
- HLPS plaque for service as President, 2002-2007.

HLPS congratulates Hib Casselberry! ◇

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Avant Family	Drucker, Mark & Judy	Kowalczyk, Richard & Laura	Rittenhouse Family
Awad-Stupp Family	Duryea, David & Jamie	Kubikova Family	Robertson Family
Baker /Nowell	Ecker, Ron & Chris	Kuntz Family	Robey Family
Becker /Treppeda	Eckers, Steven & Sue	Lafond Family	Rodormer, George & Doris
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Benson, Mr. & Mrs. Alan	Fidelman Family	Lansing, James	Schwab, Mr. & Mrs. Thomas
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## Return Service Requested

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