LAST TWO LIGHTHOUSE VISITS OF
THIS YEAR, SEPT. 26th and NOV. 21st

BY Martha Casselberry, Editor

These public Lighthouse Tours have been in operation for twelve years by Hillsboro Lighthouse Preservation Society with permission of the United States Coast Guard. While residents of Broward County make up the greatest number of attendees, about 30% of our visitors are from other areas of Florida, other States, Central America, Canada and Europe. Perhaps some of the interest comes from the beautiful 9 foot tall clam shell-shaped lens that puts out a beam every night further to sea than any other lighthouse in the world or perhaps people have remembered the lovely painting of this light on a 37 cent stamp issued by the US Postal Service in a series of five Southeastern Shore Lights in June 2003 and was "sold out" by the end of that year. Whatever the reason, these tours have been well attended.

So plan to come by car to the Pompano Beach City Parking Lot across the street from the Sands Harbor Hotel at 125 N. Riverside Drive. The lot is one block north of Atlantic Blvd. on N. Riverside Drive. Walk west across the street to the Sands Harbor Hotel’s north dock where you will find the HLPS tables to check in and receive a wrist band to board the 49 passenger boat that will shuttle to and from the Light Station beginning at 9:00 A.M. with the last trip to the lighthouse at approximately 2:30 P.M. At 4:30 P.M. the Light Station will close and remaining guests will be shuttled back to the hotel dock. Be sure to wear closed-toed shoes for climbing the Tower. From the top on a clear day, you can see Port Everglades to the South, Boca Raton Inlet to the North and tall buildings as far West as Coral Springs. Checks or cash only for a yearly membership, gift shop purchases, or one-time-only transportation fees if you do not care to join HLPS at this time.

There is often a surprise at the tours. At the May tour this year an engagement was announced above the tower (see p. 7) and at the July tour, baby turtles hatched and an expert was nearby to explain about the hatchlings to children of all ages.

Nina Thompson, Nova SE University marine biology masters student, digs for sea turtles that may have not made it out of a nest that hatched Friday evening, July 24. (Photo by Gary Fischer)
PRESIDENT’S LETTER
by, Art Makenian

Congratulations. Your Hillsboro Lighthouse Preservation Society has just signed an acceptance for a Licensing Agreement offered by the US Coast Guard to conduct tours and other important items of interest. The new License allows us to increase the tour cycles up to eight per year and will remain in effect until September 30, 2014.

Also I am pleased to announce the long awaited Commemorative Brick Paver’s project is very close to realization. The area has been identified. The water fountain and the brick suppliers have been identified and submitted to the Coast Guard for approval. Just think, what a wonderful way to have you and your loved ones’ names permanently inscribed at the most beloved landmark in our area, the Lighthouse.

The management of HLPS worked very hard in the past to install the historically famous Barefoot Mailman Statue at the lighthouse grounds. Since its installation, we have spent a small fortune of your membership funds to repair the damages sustained by vandals. Since the present statue is made of masonry products, it will always be vulnerable to the weather and human born damages. The answer to all of this is to have the same statue made out of bronze. I just found out that $17,500 will give us a new statue that will last for many generations to come. I am a man who believes in miracles, and having said that, I know we can find a patron who will give a donation to start the project right now. Please pass the word around.

The Hillsboro Lighthouse and HLPS will be losing two great friends this month: CDR James Pruett and Mrs. Patricia Pruett of the US Coast Guard, they will be departing to their new home located in New London Connecticut. CDR Pruett’s new assignment will be at the Coast Guard Academy. I have been serving the US Coast Guard Auxiliary for the past 22 years, and I was directly involved with the Hillsboro Lighthouse since 1998. The Pruett’s contribution to this Light Station has not been matched by any other person that I’ve known or read about. Their departure is a great loss to HLPS. Good-bye my friends. Your names shall remain forever in our history books.

CDR James Pruett Advanced to the USCG Academy’s Principal Legal Officer
by Hib & Martha Casselberry

Commander James B. Pruett, USCG, Seventh Coast Guard District, Miami, has just been transferred to the US Coast Guard Academy in New London, Connecticut as their principal legal officer. He has been in the USCG since 1990. In the three years (2006-2009) Commander Pruett has been stationed in South Florida, he has been more than a friend to Hillsboro Lighthouse Preservation Society. His love for the historic lighthouse at Hillsboro Inlet Light Station began many years ago when he, his wife, Patricia, and their three daughters came to stay at the keeper cottages for R & R.

Commander Pruett’s fondness for this lighthouse station has shined by his attendance at most every tour during this three year period and his organizing of beautification projects that include HLPS members. Under his command the lawns and native types of vegetation have been installed. He made it possible for the exterior of the keeper cottages to be returned to their original historic 1906 state by the removal of vinyl siding and replacement of any deteriorated wood and early 1900s lead paint. Adequate insulation and central air conditioning were add for the comfort of the many US Coast Guard families who use these cottages for R & R. The station’s public restroom was modernized and made handicap assessable. He has made arrangements for a historic rail fence along the Inlet beach’s vegetation line.

Before his departure in August, Commander Pruett will finalize the permission for a Brick Centennial Patio around the Flag Pole, Station Bell and a Victorian drinking fountain. See the insert in this newsletter for information on how you can have an engraved brick(s) placed in this area. Construction will commence as soon as building permits are secured.

Patricia Pruett has served two years as the on-site Manager of the Lighthouse Station. She has nurtured new plants and sod, scheduled the everyday affairs at the lighthouse grounds and kept her eyes open to any persons who might come on this Federal property. Patricia recently received the honor of “Military Spouse of the Year” by the Pentagon and was honored by a White House reception. This outstanding couple will be truly missed.
PART OF A LIGHTHOUSE DIARY (KEPT BY DAVE BUTLER, CO-FOUNDER OF HLPS)

March 1992 .... Hillsboro Lighthouse Lens stops rotating due to failure of the turning mechanism. Emergency repair by adding 190 mm OPTIC on outer railing of Lantern, 36 watt light has range of 5.4 miles along coast.

1995 .... Coast Guard hires WORTH CONTRACTORS of Jacksonville, FL to repair and re-paint the lighthouse. Entire tower sandblasted and painted. 400 pounds of MERCURY drained from turning mechanism, immobilizing lens.

1995 .... Coast Guard contracts a "SECTION 106 REVIEW" for Hillsboro Lighthouse and Dave Butler starts writing a book on Hillsboro Lighthouse.

SUMMER 1996 .... Dave Butler climbs lighthouse with Alice Crampton of PARSONS ENGINEERING and USCG Lighthouse Keeper. He provides historical data for the Section 106 Review.


SPRING 1997 .... Discussions between Harry Cushing and Dave Butler on forming Hillsboro Lighthouse Preservation Society to re-activate powerful 1,000 watt power of Fresnel Lens for NAVIGATIONAL SAFETY. Frank Rysavy very active in publicity campaign. Newspapers and TV assist.

JULY 15, 1997 .... Hib Casselberry, of Florida Lighthouse Society, was instrumental in arranging the organization’s summer meeting at the Hillsboro Club. 361 in attendance for luncheon and tour of the lighthouse. Chief Dennis Dever USCg and Dave Butler spoke. HLPS membership applications handed out to sample interest.

OCTOBER 22, 1997 .... At the Pelican Pub. About 85 in attendance. Decision to form HLPS as a non-profit society. The first NEWSLETTER, a two page one, published that day.

DECEMBER 15, 1997 .... Organizing meeting held at Sands Harbor Hotel Conference Room.
   Harry Cushing elected President
   Dave Butler, Vice President and Secretary
   Mariam Hood Director and Benefactor, providing $5,000 in start-up funds.
   Mr. Fred Bamman III, Director, to provide critical legal services.
   * Charles Seitz, Director, hosted meeting.
   * Dr. Ray McAllister, Director. Outstanding Oceanography expert.
   Rodney Dillon, Director. Administrator, Broward Historical Commission.
   * Hib Casselberry, Director. Vice President of Florida Lighthouse Association.
   Carmen McGarry, Director. President, Hillsboro Historical Society.
   Julie Cushing was elected Treasurer.

* signifies Board Members who are still serving.

Late 1997 & 1998 .... HILLSBORO INLET DISTRICT, Frank Rysavy, Chairman, very active "behind the scenes" discussing navigation issues with Coast Guard, Washington. Direct discussions with Admiral Robert Kramek, CG Commandant, concerning renovation of Hillsboro Lighthouse.

January 15, 1998 .... COAST GUARD MEETING. Harry Cushing and Dave Butler meet with Coast Guard at 7th District headquarters, Miami. COAST GUARD announces plans to RENOVATE LIGHTHOUSE!
AN OVERVIEW OF OUR LIGHTHOUSE, PART II

By: Art Makenian.

The heart of any Lighthouse is the light source and its optical system which amplifies the intensity of the light. To create a positive identification to a viewer, the light beam is turned on and off at a precise timing measured in seconds. Each lighthouse has a signature of its own assigned by their Maritime Navigation Authority. A Nautical Chart, a Marine Almanac or Notice to Mariners periodic publications translate that signal to a specific lighthouse and to its charted geographical location. The intensity of the light allows the navigator to estimate his distance from the source of that light.

LANTERN ROOM.

Our Hillsboro Lighthouse signature is a white flash beam at every 20 precise seconds. To make a light flash with timing, it takes many tons of polished glass, cast iron, copper, bronze and thousands of hours of engineering and manufacturing to create an optic and a mechanism. That optic and its mechanism is housed in a LANTERN ROOM. Here are a few drawings of the most sophisticated lanternrooms designed in Britain at the turn of the 19th Century. On your left is the First Order lantern room which houses our mighty 9 feet Fresnel lens and its mechanism. The frame, which is a web of astragals is made out of solid bronze securing 37 full and 22 half size massive 35.5X35.5 inch glass panels, each glass panel bulged in the center. The entire roof and the ventilation sphere is solid copper. Today, the condition of this 100 year old lantern room is as good as new. After weathering many major hurricane force winds, the only damage sustained was seven glass panels which were replaced with wire mesh glass replicas. During 1999 inspection, twelve glass panels were damaged allowing moisture to penetrate the lantern room. It looked like most of the damage was sustained by human negligence, and one panel had a 22 caliber bullet hole. Most of the damaged panels were replaced with (Lexan) polycarbonate material, as a temporary measure to keep moisture out. Next page reveals the damage configuration of the panels. Today, these damaged panels can be replaced with minimal effort with impact resistant laminated glass products. Funding is the principal issue.
Since most lighthouses were located at remote sea fronts, and electrical power was not widely available, the source of light was created by a vaporized kerosene lamp, something like your camping Coleman lantern only about ten times larger. Lighthouse operation was very labor intensive. All men and women worked in shifts and were on duty 24/7. This was the reason why the lighthouse keeper’s crew consisted of several people ranked from the top as the Captain (The Official Lighthouse Keeper) to the Fourth Assistant Keeper and beyond.

As years went by, electrical power was introduced that eliminated the kerosene usage. The initial electrical power was created with a small direct current generator. Later in time when the entire lighthouse station was electrified, the light source for the optical system was switched from direct to alternating current. That eliminated all usage of flammable fluids and reduced the number of keepers required to maintain the lighthouse. Today the light of our Hillsboro Lighthouse is produced by a 1000 Watt incandescent xenon bulb amplified to 5.5 million candle power by the magic of Professor Augustine Fresnel’s lens designed by Henri Le Paute and built by Barbier, Benard et Turenne of France. Sadly, most of these giant lenses weighing over several tons are on display in museums or lost forever.

The official designation of our mighty lens is Bivalve. That means two spherical glass prisms (shaped like a clam shell, see above) held together with a solid bronze frame. The center of the lens measures 32 inches comprised of 16 prisms and a bulls-eye. Each side has 178 triangular curved prisms of various sizes with a bulls-eye in dead center. That dead center is the focal point of the light beam at 132 feet above the zero elevation.

To create a flash beam at every 20 seconds, the two clam shell lens bulls-eyes must rotate precisely one and a half revolutions per minute. This is achieved by an AC driven motor rotating at 1800 RPM with several reduction gears and other mechanical components. Like any other functional machine regardless of its size, the rotating mechanism is reliant to constant maintenance. Therefore, a team of trained technicians are assigned by the Coast Guard to maintain all of the above.

Read David F. Butler’s book on Hillsboro Lighthouse for more details. The book is now sold on our web site at www.hillsborolighthouse.org

VOLUNTEERS NEEDED: Are you a Writer, Story Teller, or person willing to help with mailings? HLPS’ new 5-year license with the US Coast Guard allows us to have more Lighthouse Tours each year. The existing crew can not carry it all, but are willing to share the work load with others and give them credit in the “Big Diamond” as usual. Contact Hib & Martha Casselberry at e-mail: hib_cass@bellsouth.net
Please Patronize HLPS Business Members

The following local businesses have joined HLPS at the business/corporate/company level of membership. We thank them for their generous support of HLPS and our projects. Please patronize their businesses.

* Atlantic Rehabilitation, Inc. 5026-B North Federal Hwy, Lighthouse Point 33064, phone 954-426-8884
* Ben & Jeannie Ellis, CRS, Real Estate Brokers, PO Box 2103. Pompano Beach, 33061, phone 954-401-6471
  www.WaterfrontHomesAndLiving.com E-mail: WaterfrontHomes@bellsouth.net
* Beacon Images, Photographs by Von Staden, Nicholas & Sandy Von Staden of Pompano Beach, 954-695-0918
  or 954-401-0932, E-mail: nvonstaden@comcast.net
* Black Rhino Hurricane Shutters & Impact Glass 1384 SW Third St., Boca Raton, FL 33486
  954-734-4411, www.BlackRhinoShutters.com E-mail: alexm@blackrhinosutters.com
* Computer Ways, Inc., Dave Noderer, CEO, 10 Fairway Dr, Suite 133. Deerfield Beach, 33441
  954-418-9799, www.computerways.com E-mail: daven@computerways.com
* ControlAltDispute Glenn Curran 2400 E. Commercial Blvd., Suite 206, Fort Lauderdale, FL 33308
  Service Provided: Christian Dispute Mediation & Resolution, Website: www.ControlAltDispute.com
  954-334-1883, FAX: 954-938-9923 E-mail: sandy@controlaltdispute.com
* Doc’s Plumbing, Inc. 1058 NE 43 Court, Oakland Park, 33334, phone 954-566-1100, Web: www.
docsplumbing.com E-mail: Dan@dopsplumbing.com
* Golden Passport Photos, Inc., Joe Suggs, 1891 West Oakland Park Blvd., Ft. Lauderdale, 33311
  954-739-5190
* Helen S Fishing Fleet Skip Dana, 2705 N. Riverside Dr., Pompano Beach, 33062 phone 954-941-3209,
  E-mail: Skiplisa@bellsouth.net
* James Balboni Maritime Photography, Inc., 2809 NE First Ave., Wilton Manors, 33334 phone 954-540-3500
  E-mail: JB@JamesBalboni.com
* JenCo Plumbing Services, Wayne Jenkins, 901 E. Sample Rd., Pompano Beach, 33064 phone 954-788-2802
  E-mail: JenCoPlumbing@bellsouth.net
* L.M. Wilson Plumbing, Inc. Barbara W. Lippincott, office administrator, 862 S.E. First Ave., Deerfield Beach,
  33441 Phone: 954-480-9005, E-mail: bwlippincott@bellsouth.net
* Martin Kidwell, CPA, 950 N. Federal Hwy. #211, Pompano Beach, 33062, phone 954-784-0090
  E-mail: Marty@Kidwellcpa.com
* NUVOX Communication Co. Richard McIntyre Phone: 954-826-8562, E-mail: rmcintyre@NUVOX.com
* Palm Tree Doctor, William & Linda Giles, 430 S. Dixie Hwy W, Pompano Beach, 33060 phone 954-946-3600
  E-mail: Linda@Palmtreecom
* Pompano Beach Power Squadron, Attn. Jack Doyle, JN 5600 Camino del Sol #107, Boca Raton, FL 33433
  E-mail: marquisfin@bellsouth.net
* Pompano Waterway Development, Inc., Richard L. Niebling, 2629 N. Riverside Dr., Pompano Beach, FL 33062
  Office/FAX: 954-943-9738 Cell: 866-678-5997 E-mail: NieblingRichard@gmail.com
* Triton Publishing Group, 205 SE First Court, Dania, FL 33004 phone: 954-921-9500 E-mail: sar@rapdev.com
* William A. Webb & Associates, CPA, 404 E. Atlantic Blvd., Pompano Beach, 33060, phone 954-782-5250
  E-mail: Bill@webbcpa.com
NEW MEMBERS & RENEWALS SINCE H.L.P.S.'s May '09 NEWSLETTER

Anderson, James & family
Angelico, Thomas & Geralyn
Barrett, Kathleen
Batcheller, Beth
Benyo, Shawn
Blankenship, Gail
Buckingham, Steve
Camasstra, Steven
Cangiano, Joe & Susie
Carabelli, Marcey & Tommy Vagasy family
Cleary, Scott
ControlAltDispute *
Cormier, Ronald
Corson, Eric
DePaetoro, Tom
Dominique, Court
Eifer, Ann
Farley, Ken
Feeney, Donald
Fischer, Gary
Foss, Alice F.
Giguere, Claude
Goodwin, C. Summer
Gordon, Jean & Dee Buys
Graziiose, Jerry
Green, Joseph, Jr.
Greene, John
Gruneisen, Don & Lois
Iossi, Rick & Laura
Kennedy, Paul & Francisca
Kreig, Cindy
Kremblas, Bradley
Landis, William
MacIntyre, Jennifer
Maher, William
Miner, Mark
Molach, Joyce Hochman
Minoff, Laurie
Nachtsheim, Elsie
Nagy, Karen
Naused, Rex & Nicole
Nowling, Erika
O'Mara, Thomas & Ali
Oyer, Harvey E. Jr.
Palmer, Steve
Parrish, Craig & Ann
Payne, Carolyn
Peedes, Mark
Petronzio, Renard
Phillips, Kim
Poff, Bobbi & Cheryl
Pompano Beach Power Squadron *
Reese, Kent & Suzanne
Richard, Gloria
Ring, Bill
Robinson, Charles & Margy
Ross, Wes
Rymer, William
Samuel, Susan
Santa Fe College Psychology Department *
Schlegel, Jon
Schneider, R.
Shampaine, Guy & Kathy
Smith, Voncile
Theoharis, Spyros
Tracey, Dr. Charles
Tracy, Todd
Triton Publishing Group *
Van Vliet, Chris
Uarughese, Toby
Wellman, Rosemarie
Whaley, Karen
White, Edward
Willson, Miles
Wilmott, Shalagh
Wright, Tammy
Zampini, Mik & Sue
+ = Organization
* = Business Membership
** = LIFE MEMBERS
Donation, Monetary: (None this quarter)

Thank you, Volunteer Helpers Since May 2009 Newsletter.

Newsletter Layout: Hib & Martha Casselberry, Art Makenian Publisher: Minuteman Press of Ft. Lauderdale
Newsletter Mailing May: Hib & Martha Casselberry and Kim Zeman.

May 23rd & July 25th Lighthouse Tours: Publicity: Jack Burrie, Hib Casselberry & Art Makenian.


CUPID MAKES TWO RECENT VISITS TO LIGHTHOUSE

When Todd Tracy climbed the Hillsboro Lighthouse during the January 2009 Tour, as usual there were eight climbers in the group. At the top, Todd introduced himself to Erika Nowling who was one of the eight. In the weeks and months that followed, their relationship grew.

When Todd renewed his membership in May, he also sent in a gift membership for Erika and asked us for a request could he somehow arrange a private boat with Erika the day of the tour? His idea was to arrange for a plane to fly over the ocean close to the tower and at a certain time, with a waving banner announcing his wedding proposal to Erika. We sent the required wrist bands to be used on tour date and the Coast Guard Auxiliary members who watch the beach were alerted about this special day for these young people. Everything went as planned!

The view from the top of the lighthouse is always special, but wouldn't it have been extra special to have been one of the six others to climb that day with Todd and Erika?
If there is a red mark around your expiration date, please send in your renewal payment and form

Membership Category and Dues Expiration Date.
BUY A BRICK
HELP BEAUTIFY HILLSBORO LIGHT STATION

Become a part of the Station’s Centennial Patio around the flag pole and other historical items …..Forever!

“We hope that you, your family and/or friends, will want to be a part of something special that will last for many years to come.”

Board of Directors, Hillsboro Lighthouse Preservation Society, Inc. (HLPS)

Vitalalase® Engraved Brick with Your own Personal Message

Our new Centennial Brick Patio needs your help! To help pay for the completion of the new Centennial Commemorative Patio, we are asking you to buy a brick! These bricks will be used in a special Centennial brick patio so that, in the years to come, you will be able to bring your children, grandchildren and friends to the “Centennial brick patio” to see your name, their names and/or your commemorative note and/or place as a permanent legacy of Hillsboro Inlet Light Station. You will be able to create your own message or choose from selected designs for your brick(s). These specially engraved, decorative bricks will be used not only throughout the “Centennial brick patio”, but at various other places around the “Centennial brick patio”. Everyone is invited to buy a brick, either for yourself or for someone else, to commemorate special occasions, or to honor or remember a special loved one. What a great way to be remembered and to acknowledge special occasions such as the birth of a child, baptism, weddings, and graduations!

Just $75 for a 4"x 8" and $150 for an 8"x 8" - The price is for a brick with or without clipart.

Brick Details

The bricks are 4" x 8" x 2 ¼" or 8" x 8" x 2 ¼" and are engraved using state of the art laser technology. This will insure strength and durability for many years to come.

Mini Brick Replica!

In addition, we offer you the opportunity to purchase a miniature replica of the original. This mini brick can be used as a paperweight, given to a loved one or friend as a remembrance, or just as an every day reminder! The mini bricks for the 4"x8" are 1 ½" x 3" x 5/8" and the 8"x8" are 3" x 3" x 5/8". Each just $15 for a 4x8 replica or $20 for an 8x8 replica!

ANYONE NOW PURCHASING A NEW 4x8 or 8x8 ENGRAVED BRICK PRIOR TO THIS PHASE DEADLINE OF NOV. 1ST, 2009 WILL RECEIVE ONE REPLICA BRICK FREE!!!!!!!

Deadlines and Info

November 1st, 2009 will be the closing date for the first order of bricks. (A special display will be seen at HLPS’ Nov. 21st, 2009 Lighthouse Tour.) This will be an on-going campaign. Orders will be accepted throughout the year, but can only be processed in lots of 100 or more bricks. Since we are expecting a large response, please do not wait until the last minute to place your order. We need to prepare each order for the vendor to insure accuracy, and too many last minute orders can hold up the process. Our goal is to have the bricks delivered and ready to start installing by January 2010!

Engraving Information – without clipart

Your 4"x8" brick can have up to 3 lines of wording and 20 characters per line. (this includes spaces and punctuation)

Your 8"x8" brick can have up to 6 lines of wording and 20 characters per line. (this includes spaces and punctuation)

Engraving Information – with clipart (the shaded area would be the clipart)

Your 4"x8" brick can have up to 3 lines of wording and 12 characters per line (this includes spaces and punctuation)

Your 8"x8" brick can have up to 4 lines of wording and 20 characters per line (this includes spaces and punctuation)

(Continued on page 2 of 2.)

OVER

BRICK Form Aug, 2009
Please make sure your engraving information is spelled correctly.
(Please print clearly)

"CIRCLE CLIPART CHOICE"


For more than 2 bricks, please make another photo-copy of this flyer

Your Name_________________________ Phone_________________________
Address____________________________ Email_________________________
City______________________________ State________ Zip________

4x8 Brick: @ $75 = ___________ Each extra # ________ Mini Bricks @ $15 = _________
8x8 Brick: @ $150 = ________ Each extra # ________ Mini Bricks @ $20 = _________

Remember if purchasing an 8"x8" Brick prior to this Phase deadline of November 1, 09 you receive the mini brick for free!!!!!

All purchases or donations are tax deductible        Total = $___________

Sorry, I am not interested in buying a brick at this time but here is my donation for a HLPS project

_____ $75  ____ $100  ____ $500  ____ Other  Total = ____________

Please make all checks payable to Hillsboro Lighthouse Preservation Society and mail this form with your check to

BRICK, Hillsboro Lighthouse Preservation Society, Inc.
P.O. Box 610326, Pompano Beach, FL 33061-0326

If you have any questions please contact Hib Casselberry, Chairperson at hib_cass@bellsouth.net

Thank You! We appreciate your support

BRICK Form Aug. 2009