

PRESIDENT'S LETTER

A great deal has happened in 2001 and your President and the Board are developing interesting plans for the 2001-2002 season.

The January 21, 2001 visit to the Lighthouse was a great success with about 250 HLPS members in tendance. March was not a good month. Our founding President, Harry Cushing, resigned for business reasons, and we will miss his enthusiastic leadership. Then the Coast Guard notified us that the dock is "no longer serviceable" and boat traffic will no longer be allowed. Visits must be by bus.

A new slate of Officers and Directors was developed at the April Board meeting. Dave Butler cofounder of HLPS with Harry Cushing became the new President, and Hib Casselberry became Vice-President and Treasurer. Paul Bradley joined the Board and became Chairman of a newly-formed Lighthouse Art Committee. Some of the collection will be shown at the July 21 meeting.

PLAN TO COME TO OUR JULY 21 LIGHTHOUSE VISIT. It will be a joint meeting with the Florida Lighthouse Society, and should be an exiting time!!

Dave Butler, President

JULY 21 LIGHTHOUSE VISIT

The Florida Lighthouse Society is planning a July trip to the Hillsboro Lighthouse. H.L.P.S. Plans to meet on the same day so our members can share the exhibits and excellent speakers. The meetings will start about 10 AM at the ROYAL FIESTA restaurant in the Cove Plaza Deerfield Shopping in Beach. DIRECTIONS: Go east on Hillsboro Boulevard from Federal Highway almost to Intracoastal Waterway. Turn in at the COVE PLAZA and drive to 11680 SE Third Court.

Lunch will be served at moderate cost. After lunch participants will travel to the Hillsboro Lighthouse for an afternoon tour.

The excellent new F.L.A. book FLORIDA LIGHTHOUSE TRAIL will be available.

THANKS !!

More news about the July 21 meeting is shown on the enclosed Florida Lighthouse Association bulletin. Please be sure to send in your LUNCHEON RESERVATION. All lunches are being handled through the FLA organization and the check should be made out to the F.L.A. and sent to Alternonte Springs.

WHY ISN'T HILLSBORO LIGHT-HOUSE BUILT OF BRICK ??

It seems very strange that ALL the Lighthouses along the Florida east coast EXCEPT HILLSBORO LIGHTHOUSE were built of brick.

From north to south they include:



1827 SAND KEY LIGHTHOUSE

1827 SAND KEY LIGHTHOUSE

Sand Key Lighthouse was one of the most important factors in the change in Florida Lighthouse design from brick to iron skeleton towers. The 60 foot-tain lighthouse was built at the southern approach to Key West Harbor. This dangerous coral reef was only six feet underwater. Nineteenth Century ships had no way to measure water depth except to put a sailor in the bow with a "lead line". This man threw a long rope weighted with a five-pound lead weight out in front of the ship so that the line was vertical when the lead weight hit the bottom. Knots were tied every "fathom" (six feet). The work was exhausting and was used only approaching a harbor, or in shallow waters offshore. There were so many shipwrecks approaching the busy port of Key West that a "Salvage Court" was set up in the city to handle goods from the wrecks. Towers were built in town to see approaching ships and locate wrecks.

DESIGN OF THE LIGHTHOUSE

Sand Key Lighthouse, shown on the left, was built in 1827 for \$12,538. It was a standard tapered brick design with a lantern with rectangular panes of glass. The poor quality lighting apparatus used eleven whale-oil lamps and parabolic reflectors. They were so bad they were replaced with 14 new lamps with 21-inch reflectors in 1838. Sand Key during the 1830's was an island about 500 feet long by 150 feet wide covering the coral reef. During the 1830's the station had the Lighthouse and Keepers home plus a dock and two boats.

Written by: Dave Butler

Illustrations: Paul Bradley and Dave Butler

Sources:

Florida Territorial Lighthouses by Tom Taylor Florida Lighthouse Trail edited by Tom Taylor Lighthouses of the Florida Keys by Love Dean

200 1-6 1-

THE HURRICANE OF 1846

The original brick lighthouse survived hurricanes in 1835 and 1841, but in 1842 a hurricane washed away the Keepers home. The house was re-built and a sea wall added. The Lighthouse survived an 1844 hurricane, but in 1846 a monster hurricane hit the Florida Keys very suddenly. The wind and seas first destroyed the sea wall, then the keeper's home, and finally the brick lighthouse toppled over. The entire island disappeared under six feet of water. All six people at the Lighthouse were killed. The storm was so bad it heavily damaged Havana, Cuba, damaged much of Key West and destroyed the Key West Lighthouse killing 14 people who had fled to the tower for refuge. Sand Key during the hurricane is shown below.



IRON LIGHTHOUSES

The idea of building a Lighthouse out of wrought iron for very exposed locations was developed in England and first tried in America off Boston Harbor. It lasted only 18 months before destruction by a winter storm.

FLORIDA IRON LIGHTHOUSES

The lessons learned were applied to the 1853 Sand Key Lighthouse. While many iron Lighthouses (including Hillsboro Lighthouse) have eight vertical iron pipes, Sand Key was designed with seventeen! Each of the eight inch diameter pilings had a screw on the end, and the twelve outer piles were driven ten feet into the coral reef. Each pile had a flange two feet in diameter, and the screw locked it to the coral. The sandy island had re-appeared between 1846 and 1853, but the keeper's home was built right into the lower section of the iron lighthouse. The design included 450 tons of iron, and a 5,000-gallon tank for water, and a 1,000-gallon tank for oil.

The design was proven sound when another killer hurricane roared through the Keys in October 1865. The dock, boats, and boathouse all disappeared, but the Lighthouse stood firm. For the exposed coral reefs off the Florida Keys iron was a good solution. It was expensive...... Sand Key cost \$ 60,000.

A chain of six iron "screw-pile" lighthouses were built on the offshore reefs from Miami down the Florida Keys, with Sand Key the southernmost Lighthouse.



1853 SAND KEY LIGHTHOUSE

KEEPER'S CORNER

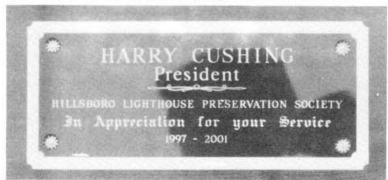
On March the 7th, the new Classic Lens rotation bearing was operational for 225 consecutive days. A pre-planned disassembly and inspection of the bearing revealed that both Five feet diameter races and the Two inch ball bearings should serve their intended life span of at least 50 years or more. Lubricating oil samples will be sent to Mobiloil for metal content analysis.

The lighthouse technical team is now assessing the other parts of the mechanism that are subject to wear and tear and should need replacement as time goes on. Since these parts are no longer available for purchase, every single component such as gears, shafts, nuts and bolts must be re-drawn to their original new specification and reproduced in a small machine shop. Every effort will be made for these remanufactured parts to retain their authenticity.

Art Makenian

BOARD MEETING MAY 29

Some decisions made at the Board meeting are to improve communications by having fou NEWSLETTERS a year. The Board is also planning to have two LIGHTHOUSE VISITS a year and two HISTORICAL MEETINGS at the Sands Hotel or other Pompano location. These meetings will include dessert and coffee, and historical speakers, plus an HLPS Lighthouse Art show. The Board also voted an appreciation plaque for Harry Cushing for 3 ½ years of dedicated service. The plaque is shown below.

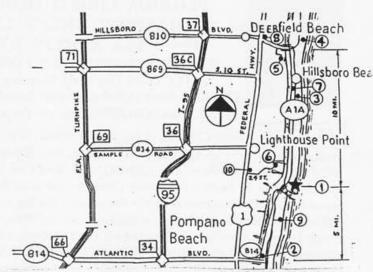


PLAQUE FOR HARRY CUSHING



Hillsboro Lighthouse Preservation Society Post Office Box Number 6062 Pompano Beach, Florida 33060 H.L.P.S. Members, welcome to the FLORIDA LIGHTHOUSE ASSOCIATION'S QUARTERLY MEETING, SATURDAY, JULY 21, 2001 HILLSBORO INLET LIGHT AT ROYAL FIESTA BALLROOM 1680 S. E. Third Court, DEERFIELD BEACH, FL

Phone = (954) 570-9422 Local Rep. Hib Casselberry, FLA/HLPS E-mail = lighthouse-fl@usa.com Phone = (954) 782-3313 D\FLA\Uuly-21-01\Final\MapLegend10-HLPS-S.wpd



MAP LEGEND with KEY to LOCATIONS No.

PHONE (954)

Hillsboro Lighthouse, 901 Hillsboro Mile (SR. A1A) Hillsboro Beach, FL (Voice Mail Center) 781-1817 Do to construction near the lighthouse, there is no parking space, use the shuttle bus.

Sands Harbor Hotel & Marina, 125 N. Riverside Dr., Pompano Beach, FL 800-227-3353 942-9100 From US Hwy.1 & Atlantic Blvd. go East, cross bridge & turn Left (North), go 1 block on left.

SeaBonat Beach Resort, 1159 Hillsboro Mile (SR. A1A), Hillsboro Beach, FL 800-777-1961 or 427-2525

From US 1 & Hillsboro Blvd. go East, cross bridge to SR. A1A, turn Right (S) 2 miles to #1159, on left.

Howard Johnson Plaza Resort, 2096 N.E. Second St. (SR A1A), Deerfield, 800-426-0084 or 428-2850

From US 1 & Hillsboro Blvd. go East, cross bridge to SR. A1A, turn Left (N) 2 blocks & Right to beach.

Royal Flesta Ballroom & Caterers, in The Cove 1680 SE 3rd Court, Deerfield Beach, FL 570-9422

From US 1 & Hillsboro Blvd. Go East, 2 stop lights, turn right (S) go to end then left to #1680 on right.

Cap's Place Island Restaurant, 2765 NE 28 Court, Lighthouse Point, FL 941-047

5.

941-0418 6.

From US 1 & Hillsboro Blvd. go South to Lighthouse Pt. NE 24 St., turn East, follow signs to Marina.

Barefoot Mallman Monument, City Hall, 1220 Hillsboro Mile, Hillsboro Beach, FL on the West side of A1A.

7. Hillsboro Antique Mall, 32,000 sqft. (250 dealers), 1025 E. Hillsboro Blvd., Deerfield Beach, 571-9988
Beach Access to South Jetty, N.E. 16 Street east of A1A, Pompano, walk north 3/4 mile to jetty, Photo-Op. 571-9988

10. My Own Cruising Journal, Nautical-Art-Gifts, 2424 N. Federal Hwy. (US-1), Lighthouse Point, 785-7980 Invite your our-of-town friends & relatives to come & have good hotel rates for them.

Make your own reservations with hotel, ask for FLA special rate. Room Rates are Subject to 11% Tax

Sands Harbor Hotel & Marina, 125 N. Riverside Dr., Pompano Beach, 800-227-3353 or 942-9100 For FLA = 1 King or 2 Dbl. Beds, w/ view \$69. /night (single or double) 2 blocks distance to the ocean, shopping, boutiques, and the finest restaurants.

Howard Johnson Plaza Resort, 2096 N.E. Second St. (SR A1A), Deerfield, 800-426-0084 or 428-2850 For FLA = Cityview 2 Beds, Sgl/Dbl. \$69.00 /night Oceanfront 2 Beds, Sgl/Dbl. \$85.00 /night

SeaBonat Beach Resort, 1159 Hillsboro Mile (SR. A1A), Hillsboro Beach, 800-777-1961 or 427-2525 For FLA = One Bedroom Apartments = Oceanside = \$89.00 Oceanfront \$99.00 /night Hotel Room = \$49.00 /night (all single or double)

Royal Flesta Ballroom & Caterers, in Cove 1680 SE 3rd Court, Deerfield Beach, FL 570-9422 Complimentary Valet Parking Save Florida's historic lighthouses, only 30 left.

Hotel reservations received after July 1, 2001 the FLA rate MAY not be applicable, check with hotel. (OVER)

In 1996 the FLORIDA LIGHTHOUSE ASSOCIATION was established and chartered by the State of Florida as a non-profit corporation to provide an avenue through which lighthouse owners and directors and lighthouse enthusiasts from the general public could work together to foster the

preservation and interpretation of Florida's unique lighthouse heritage.

There are thirty coastal lighthouses still standing in the State of Florida, although several may be doomed to disappear in the near future. Although several Florida lighthouses have been saved by private, non-profit organizations, many of our time-worn beacons of hope are now much in need of hope themselves. Of the 30 lighthouses, six are open to the public, and five lighthouses with grounds open accessible only by car, while three others the grounds open accessible only by boat. Of the remaining 16 lighthouses closed to the public, several are in the process of being transferring the ownership to preservationist local groups and plans are to open them.

As of June 2001, for further information, contact the FLORIDA LIGHTHOUSE ASSOCIATION, P.O. Box 340028, Tampa, Florida 33694-0028. Email FLA via lighthouse-fl@usa.com Phone for voice mail (813) 968-5640, leave your name, phone number, and leave a short message of your

2001-6p6 (OVER) interest.



FLORIDA LIGHTHOUSE ASSOCIATION QUARTERLY MEETING HILLSBORO INLET LIGHTHOUSE & DEERFIELD BEACH, FL ******* FLA & HLPS JOINT MEETING SATURDAY, JULY 21, 2001

(USE THIS REGISTRATION FORM IF YOU PLAN TO ATTEND SATURDAY FUNCTIONS)

The Third Quarterly Meeting of the Florida Lighthouse Association for 2001 will be at the Hillsboro Inlet Lighthouse and Deerfield Beach, Florida. The program venue will be at the ROYAL FIESTA BALLROOM/Caterers (adjacent to the Cove Marina), 1680 S. E. Third Court, DEERFIELD

H.L.P.S. BEACH, FL, at the Intracoastal Waterway & Hillsboro Blvd. Phone (954) 570-9422. You will be responsible for arranging your own lodging, but, if you decide to stay at one of the 3 named hotels, SANDS HARBOR HOTEL, Pompano Beach, or SEABONAY BEACH RESORT, Hillsboro Beach, or HOWARD JOHNSON PLAZA, Deerfield Beach, be sure to mention that you are with the Florida Lighthouse Association for the special discount. There are alternative accommodations in the area. After the meeting, program and lunch, FOR THOSE WITH PASSES, there will be available (B) boat trips on the Intracoastal Waterway & view of Hillsboro's scenic estates and (A) chartered large scenic bus will shuttle groups to & from the Hillsboro Inlet Lighthouse, see schedule. Because of the nearby construction adjacent to the lighthouse, NO PRIVATE VEHICLES WILL BE PERMITTED AT THE LIGHTHOUSE. All Tours begin and end at the ROYAL FIESTA's front entrance.

Because of the bus and boat limitations, we need to limit this event to FLA or HLPS dues-paid (or honorary) members and NEW members ONLY. We are unable to accommodate more than 250 at this event. The registration date has also needed to be advanced a bit more than usual, and we will be able to accept no late registrations after Friday, July 6. So, please register early. Cancellations for full refund will be needed by Friday, July 13, and after that, refunds will be made only if your place can be filled from any waiting list. SEE MAP AND DIRECTIONS ON SHEET 2.

SCHEDULE

Friday Night, July 20, - Informal meeting, Joe's Riverside Café, Sands Harbor Hotel, Pompano, (Dutch Treat) 6 to 11 p.m.? SATURDAY, JULY 21, 2001 Board Meeting at the Royal Fiesta's first floor room. (1680 S.E. 3 Court, Deerfield Beach) 8:30 a.m. Registration Opens at Royal Fiesta Ballroom, 2nd floor. (1680 S.E. 3 Ct., Deerfield Beach), Pick up TICKETS 9:30 a.m. Quarterly Meeting of the Florida Lighthouse Association = Royal Fiesta Ballroom. 10:00 a.m. Talks: "Hillsboro History" by Art Makenian, Keeper. & Tom Hasis, "Keeper Knight's family in the 1920-30's" 11:30 a.m. Lunch in the Royal Fiesta Ballroom, second floor. 12:15 p.m. Boat tours of the Intracoastal Waterway and Bus tours to/from Lighthouse (shuttle) by Reservations. 1:15 - 5:00 *** (Optional) Dinner at "Cap's Place, Island Restaurant" Lighthouse Point (Dutch Treat) Map will be provided. 7:00 p.m. til? *** 1:15 - 2:15 H.L.P.S. Annual Meeting in the Royal Fiesta Ballroom, second floor, OPEN, NO CHARGE. SUN., JULY 22 = On way home, Jupiter Lighthouse, Jupiter, and/or "House of Refuge" East of Stuart. Map provided. .

JULY 21, 2001; I (RESERVATION		OF THE L	VENT RESERVATION IGHTHOUSE & ESTAT		
NAME (please pr	int)				
CITY	STATE	ZIP	HOME PHONE (VE ()	
F-MAII.			OFFICE PHONE ()	
Y APPENANT DATE THE	ACMBED OF	ATIEVEI	. AND THERE	FOR ON THEIR	KOSTEK SHEET
CATTIDIDAY LINICH.	Selection . Indicate	the number	of persons desiring the 10	nowing enuces.	Lacif (a, \$10.00
(D) - D - C Callaborer	Stoole Muchenom Gray	rv = #	(F) = Fish, baked 11	lapia, breau Ciuii	105 - TT
(C) - Chishan Breet	Francaice Lemon Sall	ce = #	(V) = Vegetarian =	Steamed vegy ria	LC - 17
All Luncheons inc	lude: Tossed Salad, R	ntree, Duch	ess Potato, California Miz	ked Vegy., & Coffe	ee, Tea, Decaf,
All Luncheons inc.	Black Forest Cake, ta	x and gratui	ty, and complementary v	alet parking.	
ECTATES ON T	HE WATERWAY BO	AT TRIP:	Number of persons	x \$7.00 per pe	rson = \$
TICHTHOUSE V	TEIT BUS TRIP.		Number of persons	x \$7.00 per pe	rson = \$
(NI a maissa	to rehicles at lighthous	e permitted	due to construction, no p	arking space avai	lable.)
TO 1 TO 1 - 1 - 1 - 1 - 1 TO	amietration Table at 9.	30 a m. Sati	rday, July 21, '01	TOTAL ENCL	JSED: 4
Pick up Tickets, etc, at h	VOLID CHECK OF I	MONEY OR	DER PAYABLE TO TH	E FLORIDA LIG	HTHOUSE
PLEASE MAKE	OCIATION INC., A	ND MAIL T	HIS FORM AND YOUR	PAYMENT TO:	
David an	d Alice D'Amicol.	128 Pea	cock Dr., Altamon	te Springs, FL	32701
David all	hone = (407) 331-9	9468.	E-mail = adamico	l@cfl.rr.com	

D\FLA-Files\July-21-01-FLA\7-21-01-Final\Reserv-Form-pHLPS.wpd

2001-(OVER) 5