<table>
<thead>
<tr>
<th>A Message from the President</th>
<th>FLA's Cedar Keys Lighthouse Meeting</th>
<th>Report of the 2013-14 Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>President Ken Smith brings a challenge as we look toward the needs of our lighthouse preservation efforts for 2014-15</td>
<td>Details of our most special meeting February 13 &amp; 14</td>
<td>Records set by FLA Plus pictures and details of the Cape San Blas rescue and move and the St. Marks lens removal and details of the preservation effort Pages 5 &amp; 6</td>
</tr>
</tbody>
</table>

**Cedar Keys Lighthouse Meeting**

February 13 & 14, 2015 - Visit Seahorse Key and Lighthouse Tours

This will be our first meeting at Cedar Keys since we collaborated with the University of Florida on a restoration and painting project. The work included restoring the exterior wood, complete repair and restoration of the cistern and repainting of the exterior. The program for the meeting will include reports from several local lighthouse preservation groups that have received both Gene Oakes Lighthouse Grants and Tom Taylor Keepers Grants.

**FLA’s Capital Campaign In Final Weeks**

The important work of the Florida Lighthouse Association can only happen with the help and support of our members and donors. This year we have been able to give over $100,000 in grants to local lighthouse preservation groups to aid in their unexpected emergency repairs and educational efforts. Our grants process is design to be easy for our Lighthouse members to apply so the funds can be put to use to further the FLA mission in the Preservation, Protection and Restoration of Florida’s 30 Historic Lighthouses. We can only do this because of our members. Please consider being part of our efforts by pledging to give to the Capital Campaign today.

FLA’s mission is to safeguard Florida’s remaining lighthouses for future generations by supporting community-based restoration, preservation and education efforts.
I am so proud. I am proud of FLA. I am proud of each of you who gave money, time and energy to help us achieve another record-breaking year. We raised more money and gave more in grants than last year, again setting records. We set a new precedent by partnering with the US Park Service and the Florida Keys Reef Lights Foundation to begin important maintenance work on Fowey Rocks. We partnered with the Florida State Park system and the Friends of Anclote Key to repair the dock at Anclote Key. We were able to provide funding for emergency stabilization and protection and condition assessment at St. Marks, this time partnering with the US Fish and Wildlife Service. We stepped outside the box a bit by partnering with the City of Marathon and the Florida Keys Reef Lights Foundation to build a replica of Sombrero Key Lighthouse in a city park, an education opportunity too good to pass up. We gave to the monumental task of rescuing and moving Cape San Blas, an effort supported by the City of Port St. Joe, two State of Florida Historic Preservation Grants and much local support. We gave a grant to Pensacola which they are using to match other funds, effectively multiplying our grant by as much as 20 times. Also at Pensacola, we provided funds for an Interactive Fresnel Lens Exhibit in their museum, an important education project. You should be proud of these accomplishments, too.

Each year at this time we come to you, our members, and ask you to help in our work. We know that a few people will give large gifts, and that is important. We also know that many will give a little, and that is equally as important. Our desire is that everyone does something.

Would you consider being part of our amazing movement? We challenge each of your to give to our effort. We ask that some of you give one-time gifts. We also ask that you give monthly. A gift of $25 or $100 per month will make a difference as we continue our job of helping preserve, protect and restore Florida’s 30 remaining historic lighthouses.

Thanks for helping to keep the lights shining,
Ken
A SHORT BRIGHT FLASH
THERESA LEVITT

Augustin Fresnel and the Birth of the Modern Lighthouse

The book starts with a reminder of how few lighthouses were in operation in the early 1800’s and how dim their lights were. As you read you will learn the science of light. For example a metal reflector absorbs $\frac{1}{2}$ of the light. That the vast improvement of the lens was not all that made the new lights so bright. There was improvement of the light source too.

Francios Arago was working on the light source and Augustin Fresnel worked with him. One of the improvements was the wick itself. The result of this work with the light source made the light 20 times brighter. The fact the light source was better, make it possible to have only one source of light instead of a dozen or more, therefore, saving large quantities of fuel.

Another issue was the glass. It could not be too thick or it would be too heavy. Also the quality of glass was not good from most manufacturers. There had to be improvement and it would not be easy, but to be done.

Fresnel had to use much of his money to get the first model lens built. But, by April 13, 1821 his lens would be tested against another and his was the clear winner.

Fresnel would die young and his brother Lenore would continue the work of improving the Fresnel Lens. Meanwhile the United States would be one of the last countries to adopt the lens.

Like some other books, I wish they had used larger pages as some of the pictures and illustrations are hard to see. Speaking of illustrations the author had the help of our friend Thomas Tag. The book is interested and well written. You will be brighter for reading it.
FLA’s mission is to safeguard Florida’s remaining lighthouses for future generations by supporting community-based restoration, preservation and education efforts.

**HOTELS**

**Cedar Cove**
192 2nd Street
Cedar Key, FL 32625
(352) 543-5332
Rate: Studio - $119, Loft - $129
Cut-off date January 2, 2015

**Cedar Cove**
873 1st Street
Cedar Key, FL 32625
(352) 543-9960
Rate: $100 all rooms, no extra charge for additional people
Cut-off date January 2, 2015

**MEETING LOCATION**
Cedar Key RV Resort
11980 SW Shiloh Rd, Cedar Key, FL

Cost is $65 for Florida Lighthouse Association members
$90 each for non-members (family) or $80 non-member (individual), includes one-year membership*
Deadline for registrations is January 31st. If by mail must be received before the 31st!

**Friday, February 13, 2015**
5:00 - 6:30 PM FLA Board Meeting
6:30 - 9:30 PM Dinner and FLA Membership Meeting

**Saturday, February 14, 2015**
8:00 - 11:00 AM Coffee, Doughnuts and Pastries
9:00 AM - 2:00 PM Boats to the Lighthouse

*Due to insurance requirements everyone must be a member of FLA to climb the lighthouse. The non-member price includes a 1-year membership to FLA.

There are other motels in Cedar Key but most only have a limited number of rooms available.
Cape San Blas Lighthouse Moved July 15, 2014

Over a year of planning, the rescue and move of this important part of Florida maritime history finally happened on a hot sunny day while hundreds watched. FLA played an important part with three different grants, including one for engineer’s drawings and one that helped secure matching funds from a local family. All was made possible by the generous donations of our members. Next year there will be more challenges as we work to preserve and protect Florida’s 30 historic lighthouses. At this time our members have pledged over $35,000 to our efforts. Our goal is $55,000. We need your help. Please join us by making a one-time gift or commit to monthly gifts.

Photos of the historic move of the Cape San Blas Lighthouse, two keepers’ houses and oil house by Lou and Betsy Kellenberger, Dede Smith and Debbie Branch.

FLA’s mission is to safeguard Florida’s remaining lighthouses for future generations by supporting community-based restoration, preservation and education efforts.
St. Marks Lighthouse Lens Removal November 20, 2014

Pictured here are the team of trained lens experts from the Ponce Inlet Lighthouse and Museum safely removing the historic fourth-order Fresnel lens from the St. Marks Lighthouse. The Lighthouse is part of the St. Marks National Wildlife Refuge. The lens was transported to Ponce Inlet where it will be restored. The professionals and volunteers at Ponce Inlet have cared for and restored lenses from around the world including the two first-order lenses in their care, the original Ponce Inlet lens and the historic Cape Canaveral Lighthouse lens. It is estimated it will take 5,000 man-hours to complete the restoration. The lens will then be returned to St. Marks where it will be placed on display. This is an important collaborative effort of the St. Marks Wildlife Refuge, the Ponce Inlet Lighthouse and Museum who are donating their expertise and the Florida Lighthouse Association who gave a grant to St. Marks for emergency repairs, including any cost that might arise from the lens restoration work.

Christmas Gift Idea

Here is an idea for a Christmas Gift. Consider giving a gift membership to the Florida Lighthouse Association to a family member or friend. You will be sharing your passion for the preservation, protection and restoration of Florida lighthouses plus helping our Association grow.

Go to www.FloridaLighthouses.org and click on the “JOIN TODAY!/Gift Membership button.
FLA’s mission is to safeguard Florida’s remaining lighthouses for future generations by supporting community-based restoration, preservation and education efforts. Only 30 lighthouses remain today. The most recent State of Florida study estimates that it will take almost $20 million dollars to preserve these towers. FLA members and donors made it possible for FLA to give over $100,000 in grants to local lighthouse preservation groups during the last fiscal year! This year requests for grants exceed the funds available!

Please make any changes/corrections to your address on the reverse (address) side of this page.

Name: ________________________________

List my/our name on FLA’s donor recognition list as: ________________________________

Email: ________________________________

This is important - FLA uses email for e newsletters, meeting information, membership confirmations and gift receipts.

Preferred Phone: (________) ________________________________

Yes, I/We want to make a philanthropic gift to help save our lighthouses for future generations.

- Enclosed is my/our gift of $___________ Checks should be made payable to FLA
- I/we pledge at total of $ ______________

◊ I/we will mail gifts to fulfill our pledge to FLA:
  - Before Dec 30, 2014
  - Monthly
  - Quarterly (Dec, March, June, Sept)

◊ I/we will make credit card payments to fulfill our pledge as follows:
  - Before Dec 30, 2014
  - Quarterly (Dec, March, June, Sept)
  - Monthly ~ We will go to FLA’s website to set up our monthly credit card payments

Please also provide me/us with information on:

- Wills, trust and estate gift arrangements
- Stocks, Bonds and Mutual Funds,
- Savings Bonds
- Paid-up Life Insurance
- IRA distributions

FLA is a 501(c) 3 nonprofit organization, funded by philanthropic gifts and memberships from individuals. FLA does not receive government funding! Florida’s “Visit Our Lights” license plate sales provide additional funding for preservation and restoration grants to local lighthouses.
Lighthouses played a critical role in Florida’s history; making it possible to explore, settle and develop Florida by using its 1350 miles of coastline (second only to Alaska in states with longest coastline). Only 30 lighthouses remain today. A 2002 study done by the State of Florida estimates that it will take almost $20 million dollars to preserve these towers.

The Florida Lighthouse Association’s (FLA) mission is to safeguard Florida’s remaining lighthouses for future generations by supporting community based restoration, preservation and education efforts.

FLA is a nonprofit organization. Financial support comes from charitable gifts, membership dues, and Florida State specialty license plate sales. FLA does not receive any government funding!

Here is how YOU can help preserve and protect Florida’s lighthouses!

Your gift saves Florida Lighthouses!

The Florida Lighthouse Association’s (FLA) mission is to safeguard Florida’s remaining lighthouses for future generations. A 2002 study done by the State of Florida estimates that it will take almost $20 million dollars to preserve these towers. Gifts from individuals play a critical role in protecting, preserving & restoring Florida's lighthouses!