

# EDINA MODEL YACHT CLUB

## SAIL & SCALE

## NEWSLETTER

FEBRUARY 2015

VOLUME 24, NUMBER 2

### Panama Canal



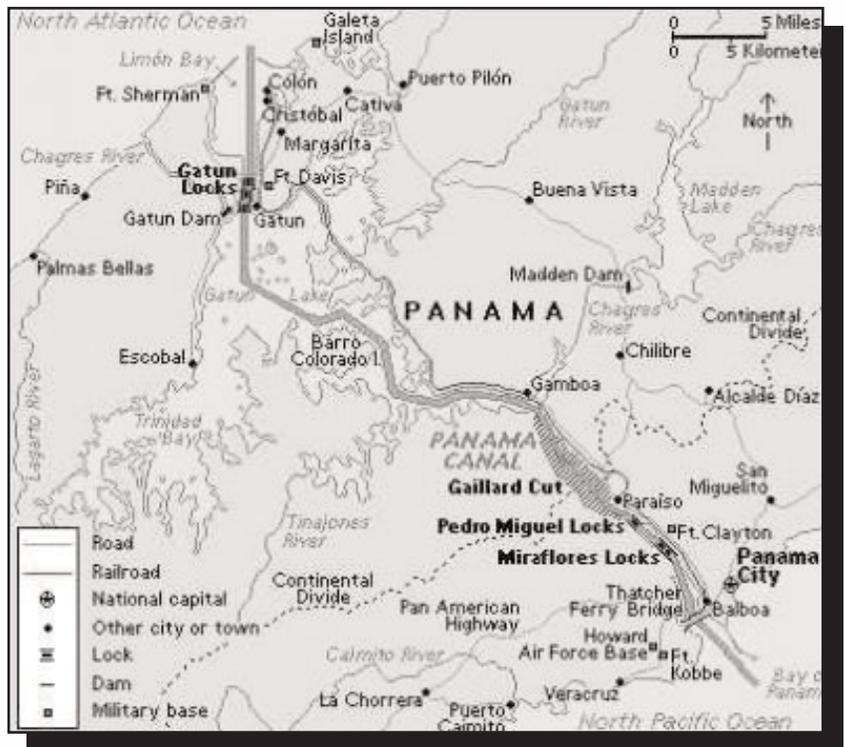
**By Jeff McCabe**

**T**his story's starts in 1912, the Titanic is trying to making its voyage across the Atlantic, Ford motor co is rolling out the assembly line to

product the Model T, 1st paved coast to coast highway opens, USA introduces federal income tax. Chris Smith and sons (Chris-Craft) is building sleek racing boats for wealthy patrons in Detroit, Greyhound bus co. begins service in Minnesota. The US Navy 1st Submarines with diesel engines and three-color camouflage paint are commissioned. The French sell the rights to build the Panama Canal, and after approx. 10 yrs. of construction, the US completes and opens the Panama Canal under budget.

The Canal Zone is approx. 50 miles long with 3 large dams forming Gatun

Lake 85ft above sea level. 3 sets of Locks on each end of the canal (110 feet wide, 1000 long, 50 feet deep each) control the lake level for approx. 40 transits per day. Electric tractors (mules) provide alignment for the larger ships (most 106 feet)



(Continued on Page 4)

### SCHEDULE OF EVENTS:

February 17, Tuesday	7:00 p.m- 9:00 p.m.	Membership Meeting
March 17, Tuesday	7:00 p.m- 9:00 p.m.	Membership Meeting
April 21, Tuesday	7:00 p.m- 9:00 p.m.	Membership Meeting

## COMMODORE'S CORNER



By **John Bertelsen**

Time this winter is growing short for those projects you intended to start at the end of last season. Soon we will be speculating on when the ice is going out. Do you have any projects that you are working on that can be shared with the club at a meeting? There is nothing better than seeing a work in progress at one of the winter meetings. After all, we are guaranteed to see the completed project on the pond this summer. Whether you are in the construction mode yourself, or just aspire to being able to complete a project someday of our own, one of the greatest satisfactions is seeing how a project - any project - comes together. When you see someone's beautiful boat, car, motorcycle, or really any device, don't you always want to see "what is under the hood"? A lot of us experience the satisfaction of building our own craft vicariously, and of the presentations I have seen during my time in the club, the member presentations of their projects are always a big hit and very much appreciated. So whatever you are working on, please consider sharing it with the club. --John Bertelsen

### EMYC INCOME AND EXPENSES 2014

Bank Bal. Jan 1, 2013 \$1,964.03

#### INCOME 2014

Dues	\$2,230.00
Ads	\$200.00
Donations	\$70.00
Posters	\$10.00
River Cruise	\$528.00
<b>Total Income</b>	<b>\$3,038.00</b>

#### EXPENSES 2014

Web Site	\$143.40
Parade of Boats	\$316.57
River Cruise	\$528.00
Dock Party	\$2,010.84
Misc: canopy &	\$269.58
Misc: motor parts:	\$5.16
<b>Total Expense</b>	<b>\$3,290.69</b>

**Balance 12-31-14 \$1,711.34**

Respectfully Submitted Larry Wheeler Treasurer

**RICHFIELD**  
**612-866-9575**

**LITTLE CANADA**  
**651-490-1675**



OPEN...MON-FRI, 10:00-9:00...SAT, 9:30-5:30...SUN, 12:00-5:00

**SHOW YOUR EMYC CLUB CARD AND RECEIVE  
10% OFF ON ALL NON-DISCOUNTED ITEMS!**

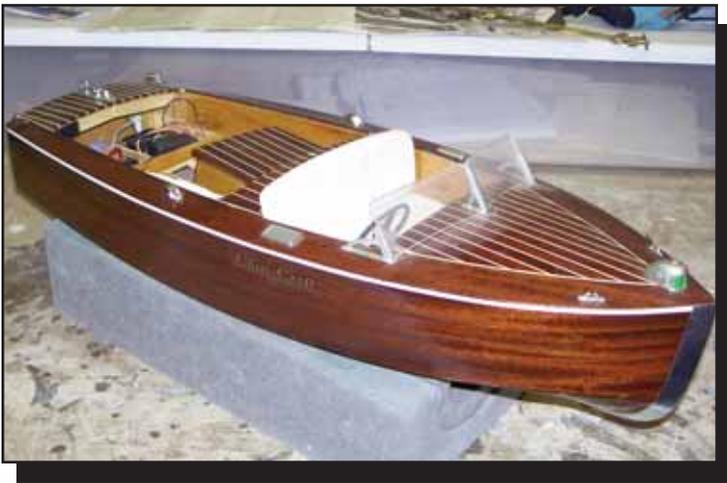
\*Richfield\*  
6416 Penn Ave. S.  
Richfield, Mn 55423  
(1 blk S of LUNDS)



\*Little Canada\*  
82 Minnesota Ave.  
Little Canada, Mn 55117  
(Hwy 36 & Rice St.)

**Thank You** to David S. Holman's law office for free newsletter printing.. David specializes in Estate planning, Business, Real Estate & Creditor Representation, located in Burnsville, Minn.

**BOATS FOR SALE FROM EMYC MEMBER TODD FORMICO**



Top Left: 1947 Chris Craft utility boat by Dumas  
 Top Right: Kyosho Viper-R ready to run.

Left: Tug boat with manufacturer unknown.

Boat 4: (No picture) 1955 Chris Craft Cobra by Dumas.

For more info, call Todd Formico at [REDACTED] or Kevin Waldo at [REDACTED]

**UPCOMING EVENTS FOR 2015**

- 2 or 3 Pond Race in the spring (will discuss with Fred Ferris)
- Saturday May 16th**, demonstration of RC boats at the Solar Regatta at Riley Lake Park on the west side of Eden Prairie.
- Sunday June 7th**, Parade of Boats. See Dick Walker to help.
- Saturday June 20th**, Summerfest at Long Lake.
- Saturday June 27th**, White Bear Lake Classic and Vintage Boat Show. See John Bertelsen.
- Summer Picnic – Date & Location to be determined.
- Sunday August 9th**, Light House Night.

**EMYC YEARLY DUES**

**P**lease fill out current contact information and submit the annual dues within the next few months.

**Special Thanks...**To members that contributed their time & talents to this issue: Jeff McCabe, Bill Uhl, John Bertelsen, Larry Wheeler, & Dale Johnson

## Panama Canal (cont.)

wide) as they motor through the locks. Ships are required to arrive 48 hrs. early to queue. They anchor outside of the entrance to the canal in the ocean, also to have time to transfer the user fee to the Panama bank. Highest fee collect to date from Norwegian Pearl cruise ship \$375,600.00. Smallest fee collect from Richard Halliburton for .36 cents for swimming the length of the canal in 1928. Average cargo fees \$54,000.00 per transit. Total transit time approx. 8 ½ hrs.

I was given an opportunity to check off a bucket list items in early Dec with a tour to the Panama Canal. Road Scholar tours, "Grit and Glory, Exploring the Canal", offers 6 day tours in winter months (Dec- April). The tour covers how the canal was built, how it is maintained presently, and what the new canal will look like. The new canal (deeper) and new locks (wider) will open sometime in 2016. We toured the visitor centers, museums, Canal operations, and traveled through the canal. If you have not visited the canal and boats are still a hobby for you, I think you would enjoy this learning experience. You will see enough tugs, bulk cargo, container ship, and tankers, no matter what the weather is like.

Our tour guide "Archie" a native of Panama has been leading tours for over ten years with small groups like ours, to commentary on large cruise boats as they travel through the canal. Archie told us of a surprise he had for us for our day of full transit in the canal.

This surprise was a vessel built in 1912 by the George Lawley & sons co., south Boston, designed by Cox & Stevens, christened Santanta. Approx 100 ft long, 18 ft wide, this old wooden (mahogany) ship, twin engine, single-



## Panama Canal (cont.)

screw, makes for a very enjoyable transit of the canal. It was designed as a luxury mega yacht for Boston millionaires, five luxury bedrooms, a lavish dining room, and library, was home to a crew of seven sailors. Among its owners was the most famous gangster in history, the legendary Al Capone. He used the ship during prohibition era for bootlegging operations. Seized by the government in the early trail days and drafted into the U.S. Navy, where it served as an officer training vessel during World War II. Later acquired by a sailor who lived in Florida, was rechristened with the name of Islamorada\* (his favorite Key). It arrived in Panama in 1960 and served as a hotel ship anchored off Piñas Bay during the construction of the Tropic Star Lodge, the world famous sport fishing resort. After an extensive restoration, it now serves the Canal and Bay Tour Co for tours of

the Panama Canal.

\* S t i l l  
resourcing the truth about this vessel and its history. To date I have not found any actual history or photo to back up these aims from the Canal and Bay Tour Co.- Jeff McCabe



**Al Capone**

## January's Nautical Know-It-All Answers

1. The Correct answer was Panamax size. Panamax size is approx: 80,000 DWT , The "Panamax" size gets its name from being the largest size bulk freighter that can routinely pass through the Panama Canal.
2. A "U. L. C. C." (Ultra Large Crude Carrier) is the largest of the "supertanker" classes and is sized at over 300,000 deadweight tons (DWT).
3. LNG (liquefied natural gas) carriers, along with the similar LPG (liquefied propane gas) carriers, are considered a separate class of ship. Although similar to tankers, LNG and LPG carriers require special refrigeration equipment to maintain cargo hold temperatures that are cold enough to keep their cargo returning to the gaseous state.
4. Heavy lift vessels commonly carry extremely large, odd shaped cargoes, including smaller vessels. Cargo is generally floated on pontoons for loading. The heavy lift vessel takes on ballast like a submarine, eventually sinking its main deck. The cargo is then floated over the ship, often pushed or pulled there by tugs. Once the cargo is in place, the ballast is jettisoned to refloat the heavy lift vessel under the cargo.
5. PCCs and PC/TCs can carry over 1,000 vehicles in their cargo holds With no watertight bulkheads, water taken on when the ship is damaged can spread throughout the hold, rapidly destabilizing the vessel.
6. Container ships using refrigerated containers are replacing refrigerated "reefer" ships.
7. Twenty foot Equivalent Unit containers (20' long standardized containers)
8. RORO (Roll On, Roll Off) vessels are best known as car carrying ferries, although there are pure freight ROROs where trucks are literally driven aboard with their cargo and then transported to another port.
9. Geared bulk freighters carry their own cranes, which is anywhere from handy to essential in some ports where cargo handling equipment is limited or doesn't exist. "Bulkers" carry large cargoes of dry products such as grain, coal, sulphur, scrap metal, and iron ore. Because of their heavy use, their life expectancy is relatively short.
10. The Suezmax size (120,000 - 180,000 DWT )is the largest that can traverse the Suez Canal.

BUILDER'S CORNER



MY CURRENT PROJECT

by Bill Uhl

This is a project I started last fall and I might have completed by spring. It is called a "Oyster sharpie schooner" from plans on the AMYA website.

It is all wood of course, with a 50" hull length plus a 12" bowsprit and a 7 Lb lead bulb keel. The AMYA plans are quite complete except for rigging.

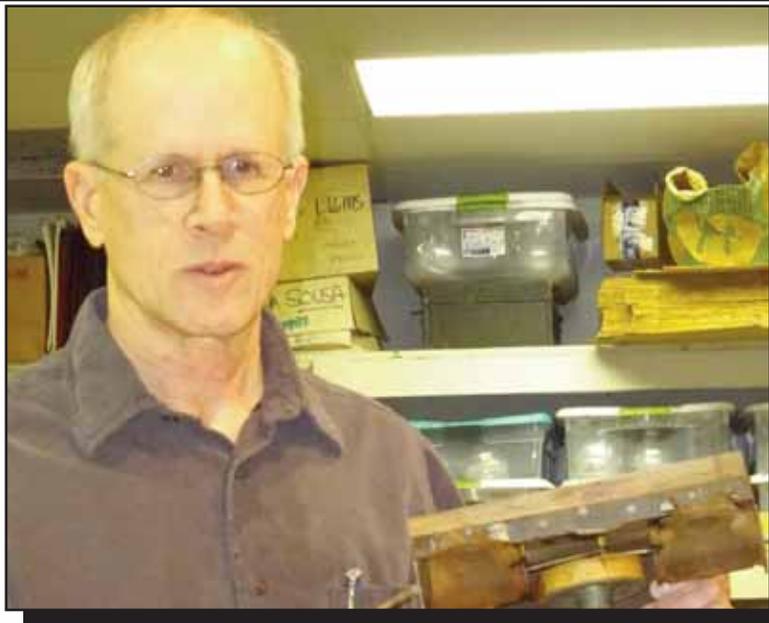
A topsail is on the plans but I may not add it since that would exceed the dimensions of my pickup bed and make transporting it a challenge.



AT THE JANUARY EMYC MEETING..



Mark Weber presented a slide show on the history of past solar boat regattas and David Petrich presented his scratchbuilt steam engine he created long ago



# PANAMA CANAL PHOTOS

By Jeff McCabe



Super Yacht "Serene", 439' x 60' x 18', 12 cabins, built 2011, 4 years to build, helicopter pads, submarine storage inside. Owner is Yuri Scheffier, Russian Vodka tycoon, cost \$330 million. Bill Gates leased the yacht in 2014 for a family vacation for a week, \$5 million. No current lease or purchase option available at this time!



Challenge Phoenix bulk tanker entering Pedro Miguel Locks with the aid of two large z-drive tugs. Notice the directional arrow. **Editor's note:** More photos in the March issue from Jeff, as well as some great photos of the Panama Canal from Bill Uhl in the upcoming issue.



**EDINA MODEL YACHT CLUB**

**Centennial Lakes  
Hughes Pavilion  
7499 France Avenue South  
Edina, Minnesota 55435  
www.emyc.org**



## **FEBRUARY MEETING**

**TUESDAY, FEBRUARY 17, 2015 7:00 P.M.  
CENTENNIAL LAKES GARAGE BAND ROOM**

### **AGENDA:**

- Dave Petrich - new fast electric boat events
- Show and Tell of Boat Projects

### **Special Interest Contacts:**

#### **Scale Boating:**

Kevin Waldo [REDACTED]

#### **Sail Boating:**

Tony Johnson [REDACTED]

#### **Fast Electric:**

Dan Proulx [REDACTED]

## **2015 Board Members**

**Commodore:** John Bertelsen [REDACTED]  
**Vice Commodore:** Paul Olsen [REDACTED]  
**Vice Commodore:** Joe Steele [REDACTED]  
**Vice Commodore:** Bill Lundholm [REDACTED]

**Secretary:** To Be Determined  
**Treasurer:** Larry Wheeler [REDACTED]

The Edina Model Yacht Club Sail & Scale Newsletter is published monthly except for December.

Newsletter Editor: Todd Moen [REDACTED]

Webmaster: Dale Johnson [REDACTED]

Please send articles by email to: [REDACTED]

Deadline for articles to be considered for the March publication will be Saturday February 28, 2015

