

EDINA MODEL YACHT CLUB

SAIL & SCALE

NEWSLETTER

JANUARY 2015

VOLUME 24, NUMBER 1

Spanish Naval Museum

By John Fisch

Recently I was fortunate enough to travel to Spain on a vacation, and in walking around Madrid one evening, we walked passed a building titled "Spanish Naval Museum". I seemed to recall Spain being associated with words like

"Armada" and "Conquistadors" and thought it might be of some interest. We visited the museum a couple of days later and what an amazing facility they have. It shows the history of the Spanish Navy from the time of the Catholic Monarchs, in the 15th century, up to the present (who knew the Spanish still had a navy?). Its origins date to 1792 but it was not until 1843 that the museum was brought to Madrid.



The Spanish Naval Museum in Madrid

(Continued on Page 4)

SCHEDULE OF EVENTS:

January 20, Tuesday7:00 p.m- 9:00 p.m.	Membership Meeting
February 17, Tuesday7:00 p.m- 9:00 p.m.	Membership Meeting
March 17, Tuesday7:00 p.m- 9:00 p.m.	Membership Meeting

COMMODORE'S CORNER



By John Bertelsen

2014 is in the can as they say in the film business, and it was quite the year of ups and downs with the weather and our yearly events. It was my privilege to have served the club as Commodore throughout the year, and look forward to serving in the same capacity as next year. As for boat related activities this winter, my garage is heated and as I store my boats in the garage, and spend a good portion of the winter working on cars and motorcycles, the boats are never out of mind and get some needed attention as well.

At the Dry Dock party I heard about some previous years where you could pilot your boat just before attending the party - well not this year as we had a mini snow storm, so the pictures in this newsletter of the 2 and 3 pond races will have to serve as the reminder of summer gone by and the anticipation of summer to come. Still, it was a great evening with which to wrap up the season as we had an abundance of good friends, food, door prizes and entertainment.

I wish everyone a wonderful Holiday Season with your families and friends, and look forward to seeing you in 2015! - *John Bertelsen*

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A NOTE FROM TODD MOEN

It is that time of year that I ask for newsletter contributions from the club members. I will need some articles with photos to fill the pages of the newsletter. At this point I do not have anything for the February 2015 issue, so it would be hard to publish without content. Until boating season starts it is critical that I can rely on you folks to submit. It does not necessarily have to be on boat related subjects. With the start of my full time job at Xcel Energy and the demands of my time are more extensive, I do have very limited time to come up with content for the newsletter. I need your help! - I apologize for delayed newsletter for October and November will be cancelled, the DVD's I created for the years club activities consumed many hours of effort.

Special Thanks...To members that contributed their time & talents to this issue: John Fisch, John Bertelsen, Larry Wheeler, & Dale Johnson

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.

NAUTICAL KNOW-IT-ALL By M. Bargo

This month the questions are related to the merchant marines and the freighters that transport millions of tons of products. Good Luck

1. **A bulk freighter of approximately 80,000 deadweight tons (DWT) size is called _____ ?**
 A. Capesize B. Handysize C. Handymax size D. Panamax size
2. **What do the initials "U. L. C. C." as a size of tanker stand for?**
 A. Unlimited Lake Crude Carrier B. Unusually Large Crude Carrier
 C. Ultra Large Crude Carrier D. Uniform Lakesize Crude Carrier
3. **What do the letters "LNG" on the side of a ship indicate?**
 A. It's sailing under Lithuanian National Government registry
 B. Using older LORAN navigational gear instead of Global Positioning (GPS)
 C. Designed to transport liquefied natural gas
 D. It is a training ship, "LNG" being from a Navy epithet for unseasoned crews, "Load of New Guys"
4. **How does a "heavy lift" vessel that is semi-submersible load its cargo?**
 A. Large cranes mounted on the dock B. Special loading and unloading machinery
 C. Partially sinking itself with ballast, floating the cargo over the ship, and then refloating the ship
 D. Large cranes mounted on the ship
5. **What is one of the weaknesses of the Pure Car Carrier (PCC) or Pure Car and Truck Carrier (PC/TC)?**
 A. The large cargo hold with no watertight bulkheads causes the ship to become unstable and capsize relatively easily when water gets in.
 B. Their shallow draft design makes them unstable and prone to capsizing
 C. Loading and unloading doors in the bow have rubber seals that can fail and sink the ship
 D. their slow speeds and high value cargoes make them a prime target for pirates
6. **Refrigerated ships are slowly being displaced by _____ ?**
 A. Air freight carriers B. Bulk freighters fitted with removable refrigeration units
 C. Container ships using refrigerated containers D. Converted LP gas tankers
7. **On container ships, what do the initials "TEU" stand for?**
 A. Tonnage Effectively Underwater (cargo loaded below the ship's waterline)
 B. Twenty foot Equivalent Unit containers (20' long standardized containers)
 C. Tonnage Equal and Uniform (the ship's load is balanced in all directions)
 D. Terminating European Union (cargo destined for Europe)
8. **A common use for a "RORO" vessel is a _____ ?**
 A. Car carrying ferry B. Harbor tug C. Lifeboat D. Livestock transport
9. **A "geared" bulk freighter is one that _____ ?**
 A. runs its shafts through a reduction gearbox to help it go faster
 B. has large, gear operated cargo doors in the bow
 C. has gears driving the screws instead of shafts
 D. has its own onboard cranes for loading and unloading
10. **A tanker of between 120,000 and 180,000 deadweight tons (DWT) size is called _____ ?**
 A. Panamax size B. Aframax size C. Suezmax size D. Handymax size

Spanish Naval Museum (cont.)

It was moved to its current location at the Spanish Naval Headquarters in 1932 and is one of the most important naval museums in the world.

Inside it's 24 rooms you will find a massive collection of cannons, uniforms, paintings, original figureheads, charts and model ships. Probably the most important of those relics is the Mappa Mundi, the first known representation of the American continent, and which dates to 1500. It was drawn by Spanish cartographer Juan de la Cosa, a mariner and explorer who played an important role in the first two of Christopher Columbus' voyages, as he was the owner and captain of the Santa Maria. On it he made note of the discoveries of Columbus' first three voyages even including an outline of Cuba. He drew the map on a section of ox-hide using watercolors and ink. The map itself was found in a Parisian shop in 1832 by Baron Walckenaer and brought to the worlds attention in 1833 by the German scholar Alexander Humbolt. When the Baron died in 1853, the Queen of Spain bought it and brought it back to Spain. Cosa died in 1510 from a poison tipped arrow in Columbia.

The Santa Maria was about 58 feet long with one deck and three masts and weighed a little over 100 tons. The ship never made it back to Spain though. The crew had partied hard on that Christmas Eve of 1492 after which Columbus ordered them to sail to Cuba. The crew fell asleep one by one until the only one left to drive was a cabin boy, who sailed her right into the Island of Haiti, not heeding first century BC Roman author Publilius Syrus, "When you are at sea, keep clear of the land". Probably the first SUI (sailing under the influence) of the



Mappa Mundi, first known map of the American continent



The Santa Maria model

New World. She sank the next day, and Columbus used the timbers to build a fort north of the modern town of Limonade, Haiti. The ships anchor now rests in a museum in Port-au-Prince. The model ships on display were simply breathtaking. Some even consider them on a par with Paul Olson's work, but I wouldn't go that far. The models can be from 2 to maybe 8 feet long or more. There are many from the 16th and 17th cen-

Spanish Naval Museum (cont.)

ture. There is a model of the Isaac Pearl submarine, launched in Sept of 1888, considered by some to be the first U-boat because it was the first to use electric power and was able to launch underwater torpedo's. It had a length of 22 meters, a speed of 10 knots and a range of 396 nautical miles at 3 knots. Power came from 2, 30 horse electric motors, had a crew of 12, carried 3 torpedo's and could dive to 80 meters. Although sea trials were a success, the government laughed at him. He could have changed the course of history, revolutionizing the Spanish Navy, but it was scrapped because of politics more than anything else. The Submarine itself is now housed in the Cartagena Naval Museum. When the Spanish did enter their first sub into service they named it the Isaac Pearl, and are close or already have launched the first of their S 80 series subs for trials also named Isaac Pearl, their fourth, making it the longest continuously used submarine name in history. Googling the "Spanish Naval Museum" will get you started on web sites that have better pictures, and if you are in the neighborhood I

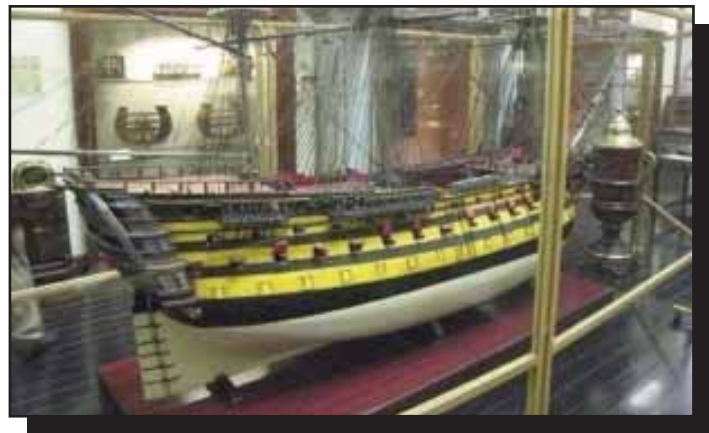


A board used in teaching naval battle strategy

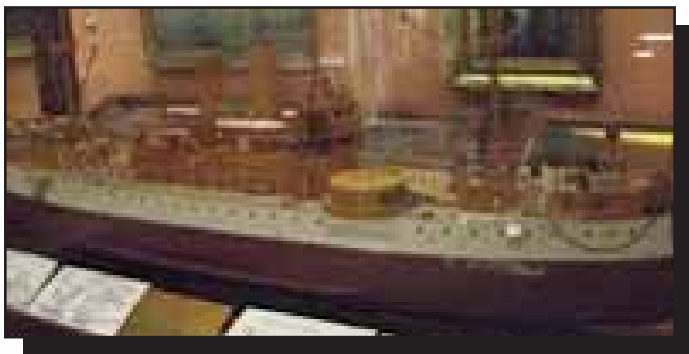
highly recommend visiting the museum or the Naval museum in Barcelona, because it looks equally impressive.



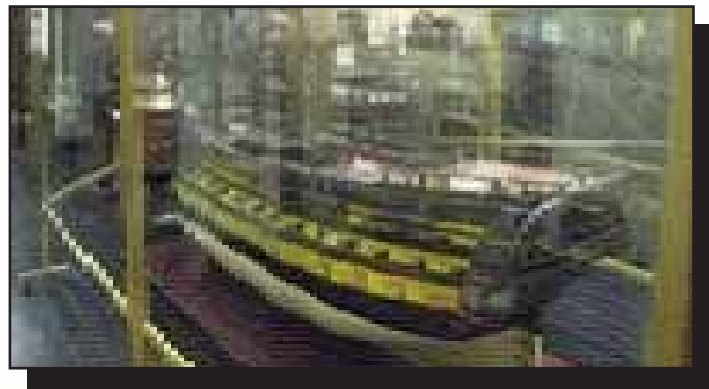
Nuestra Senora Concepcion of 1688



San Juan Nepomuceno of 1766 74 cannons, captured by Royal Navy in 1805 at Battle of Trafalgar



Remember the Maine from 1890



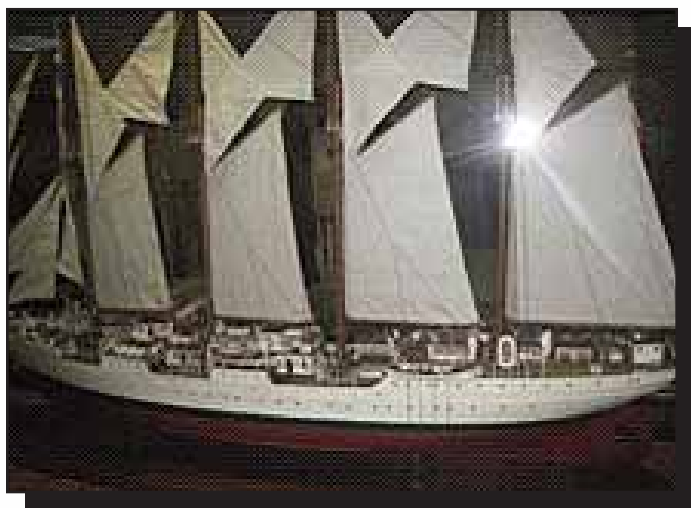
Spanish Naval Museum (cont.)



50 cannon Frigate Gerona of 1864



Cruiser Mendez of 1924



Juan Sebastian De Elcano from 1928



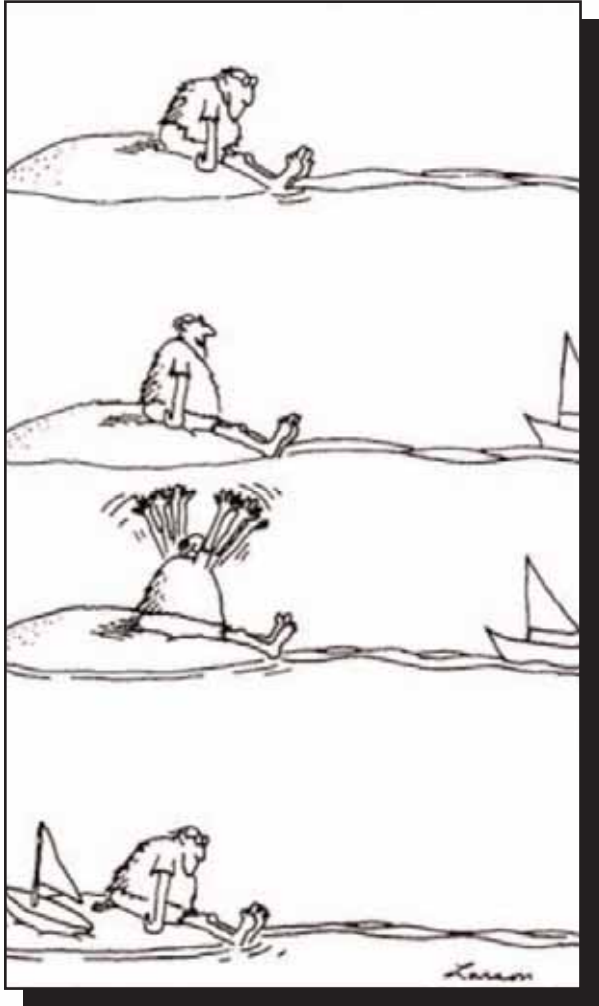
Cruiser Alfonso of 1939



Not part of the Spanish Armada, but could easily be confused as such. Saw it docked in Malaga, on the Spanish coast. It's the 303' Tatoosh, owned by Microsoft cofounder and owner of the Seahawks and Trailblazers, Paul Allen. It comes standard with 2 helicopters (only see 1 so he was probably not home - would have been fun to buy him a gelato), 1 speedboat, 5 Seadoo's and 1 40' sailboat velcroed to the side. He has it on the block for around 125 million, as he also owns the 416' Octopus' which has most of the above amenities plus 2 RC subs for viewing the sea floor. - *John Fisch*



“Remember the runabout you said I could buy at the November Swap Meet? - The trailer for it just got a flat tire when I was bringing it home”





EDINA MODEL YACHT CLUB

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



JANUARY MEETING

TUESDAY, JANUARY 20, 2015 7:00 P.M.
CENTENNIAL LAKES GARAGE BAND ROOM

AGENDA:

-To Be Determined

Special Interest Contacts:

Scale Boating:

Kevin Waldo [REDACTED]

Sail Boating:

Tony Johnson [REDACTED]

Fast Electric:

Dan Proulx [REDACTED]

2014 Board Members

Commodore: John Bertelsen [REDACTED]
Vice Commodore: Paul Olsen [REDACTED]
Vice Commodore: Joe Steele [REDACTED]
Vice Commodore: Mike Ross [REDACTED]
Vice Commodore: Kevin Waldo [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 February publication will be January 30, 2015

