



Volume 40, Number 1

## Newsletter of the Ship Model Society of New Jersey

January 2022

### In This Issue

Meeting Report  
Old Business  
New Business  
Books and Pubs  
Tech Session  
Show and Tell  
Cool Tool  
Club Information

The January 2022 Meeting of SMSNJ will be virtual only. The meeting will be;

January 25 at 7:00 PM (1900). A meeting invite

### Next Tech Session

The Tech Session for the January Meeting is  
"Making Rope Coils "  
by .Ken Whitehead

### Upcoming Events & TECH SESSIONS

February Tech session will be "Georgia Island Museum"

March Tech Session will be "Making Copper Plating for Ship Models by Gilding Copper Leaf to Paper" by Rich Lane

Auction April meeting. (Tentative)

Mosquito Con; April 2, 2022

Northeast Joint Clubs April 30, 2022

**Meeting Report:** The meeting was opened at 7 PM by our President, Bill Brown. We had 24 members and one guest attending.

The Treasurer reported of transactions for the month and the balance in the SMSNJ bank account.

Remote members Barry Rudd, Bob Fivehouse, and Stan Sinowitz (also a plank Owner) were all in attendance. It is great to see you all.

Felipe has started rigging his model of the Scottish Maid. He figures three to four months before it is done.

Mike Ellison got a Jim Byrnes Saw this Christmas! Fantastic Mike. Enjoy. He will be watching the video on saw safety delivered by Kurt Van Dahm. You can find this excellent video on Model Ship World (MSW).

The meeting adjourned at 2100.

### Ships in Miniature

A brief overview of the ship model from 1800BC to the present

The Wellington Trust was formed in 2005 when ownership of the Ship moved to the Wellington Trust from the Honourable Company of Master Mariners. We are a charity, number 1109066, and our charitable objects are, the preservation of HQS Wellington and education involving the history of the Merchant Navy. On January 17, 2022, Simon Stephens, Curator of the Ship Model and Boat Collections at The National Maritime Museum presented the world's largest collection of ship models numbering c.4600 and ranging in date from 1800BC to the present. As curator of this collection for more than 40 years, Simon pioneered the use of medical technology to explore and understand the techniques of construction and internal features hidden to the human eye. The presentation was excellent and they have recorded it and shared it on Model Ship World. Here is the link;

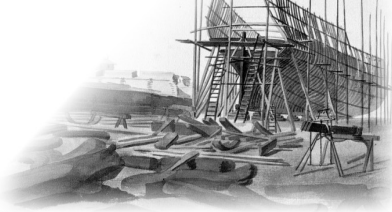
[https://www.thewellingtontrust.org/events/ships-in-miniature-a-brief-overview-of-the-ship-model-from-1800bc-to-the-present/?mc\\_cid=266c9a8de7&mc\\_eid=fca03d77a3](https://www.thewellingtontrust.org/events/ships-in-miniature-a-brief-overview-of-the-ship-model-from-1800bc-to-the-present/?mc_cid=266c9a8de7&mc_eid=fca03d77a3)

If you go to their website, there are other great videos. Enjoy.

### January 2022 Meeting

We have been informed by the Library that no in person gatherings are permitted in January due to the latest Covid Variant. Therefore, the January meeting will be virtual. We are reasonably confident that we will be meeting in the Library for our February meeting.

## OLD BUSINESS



### SMSNJ Hats

Bill has restocked SMSNJ hats. He will bring hats to our next in person meetings. The hats are available for purchase for \$20 each.

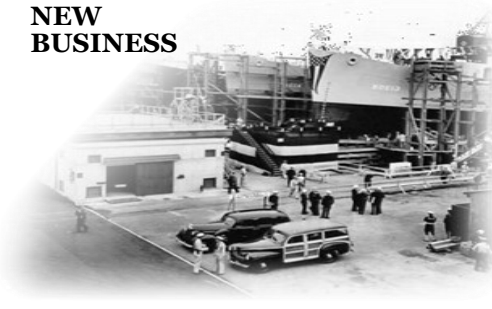
### NRG Chapter Clubs News

Tom is an NRG Director and Chairman of the Chapter Clubs Committee. The NRG Secretary News Letter (SNL) has a feature for the Chapters to include their announcements or interesting information that might be general information or otherwise useful to the other clubs. If you have an item or two that you want to add, let me know

### Tech Sessions

Mason has done an excellent job getting presentations for our Tech Sessions. We also want to have more "How To" demonstrations. We are asking for volunteers. It doesn't need to be an elaborate presentation, and we can help. If you learned something new, pass it on so that we all can learn.

## NEW BUSINESS



We were planning to do our auction in the April meeting. This is quite a lot of work to set up so we are asking for a show of interest by our members. So, January meeting if you are interesting in selling anything at the auction. We will also be discussing if we want to move the auction to either April so that weather is less of a factor.

Mike Waller and Mason Logie has agreed to help. More on this later.

## BOOKS AND PUBS



There were no Books or Publications this meeting.

### Northeast Joint Clubs 2022

Northeast Joint Clubs will be held on April 30, 2022 at the Port and Starboard in New London Connecticut. This year it is hosted by the Philadelphia SMS. Details on registration will follow soon, but we do know that they have a very good speaker lined up. As always, we will need someone to do a twenty minutes or so Round Table Demonstration. Please help us out and volunteer. Let Tom, Bill, or Mason know if you are interested.

## THE NAUTICAL RESEARCH GUILD

"ADVANCING SHIP MODELING THROUGH RESEARCH"

Annual membership includes our world-renowned quarterly magazine, Nautical Research Journal, which features photographs and articles on ship model building, naval architecture, merchant and naval ship construction, maritime trade, nautical and maritime history, nautical archaeology and maritime art.

Other benefits include discounts on annual conferences, ship modeling seminars, NRG products and juried model competitions which are offered exclusively to Guild members. We hope you will consider joining our ongoing celebration of model ships and maritime history.



For more information contact us at: [www.thenrg.org](http://www.thenrg.org) or call 585 968 8111

## Technical Session

**Using Fusion 360™ and ShapeWays™ to Design  
and 3D Print Ship Model Fittings By: Bill Brown**

Bill Brown has scratch built a Chris Craft. To do that, he needed several fittings and parts that are generally not commercially available. So, he needed to make his own. The options available are to; make them out of wood or metal stock using traditional tools and practices. Metal casting them using a predesigned mold, photo etching, purchase them from one of the more well known ship model supply company catalogs, purchase pre-made 3D printed design from a 3D Company Parts Library, or design your own fittings and getting them 3D printed by a 3D Printing Company. For many of the parts, 3-D printing became an option.

To make a 3D part, you need to have a 3D drawing. Bill used Fusion 360 as a tool to make the drawings. To get started doing your own design you need to have some good plans to go by for the fittings. Ultimately going to need part dimensions to complete your design(s). You are also going to need a 3D CAD Tool to capture the fitting design(s) to scale. 2D is insufficient as it won't be able to drive the 3D printer technology. Unless you have your own 3D printer you will need access to one either thru a friend, a local library or using the services of a 3D printing company such as ShapeWays™. Finally, your computer is going to have to be powerful enough to be able to run the 3D CAD tool software.

There is FreeCAD, AutoCAD, Solidworks, ProEngineer, Sketch-Up to name a few. There are many many more. Keep in mind that all these tools including the one I am about to mention will have a learning curve. You are not going to be able to sit down on your first day and layout a ships hull. Hulls are complex shapes that will require advanced 3D design techniques. Can it be done, absolutely, just not on your first day! Bill uses Fusion 360™ made by AutoDesk (the same copy that makes AutoCad for about \$3000 ed). It is powerful and its free for hobbyist's like us. There is also a wealth of YouTube training videos available for the beginner to watch. You will typically want to start from a 2D sketch and then convert to 3D by using the various solid commands. The drawing needs to be dimensioned. (Bill built his model with scale dimensions. The program has the facility that allows you to lay it out in full size but dimension it using a scale factor. That is typically how it is done in industry. Ed.) Fusion 360 can output the necessary file(s) a 3D Printer needs to make your design. The most common 3D Print file type is a .stl file.

You have several options for producing your part. You own your own printer (Lucky you), your friend owns one, your local library has a service, or you can use one of the larger 3D Printing Companies services like Shapeways™ Upload your design file to Shapeways. In order to get a quote you will need to select a material and a quantity. You need to select a material. For example, Bill's search light costs based on material would be; \$5 for first available plastic, \$7.50 for Fine detailed plastic, \$43.22 for bronze, \$ 110.64 is silver, \$1276.28 is gold, and \$2856.50 in platinum.

Pros are; very nice detail, customize your fitting to exactly what you need for your project, access to state of the art 3D Print Technology, and a wide variety of materials available to you.

Cons are; even selecting plastic as the material, it is expensive, remembering you have to add shipping costs, the basic plastic part is kind of rough and will require some sanding prior to any finishing, and there are dimensional limitations so this will come into play especially for small scale designs. There are ready made designs that are less expensive, but you are doing this to make custom parts so that may not be an option. Because of costs, in Bill's view this route makes sense for the one off complex part that is not readily available from a catalog and would be difficult to make using conventional modeling tools.

Thank you Bill.

## A Database for Ship Models

Mike Ellison has been experimenting with Internet Movie Data base (IMDB). He envisions that this is like the IMDB for ship modelers - particularly beginners, but it could be useful to advanced modelers from a research standpoint. All things should interconnect. So, for example, if you are looking at a kit for America, you can link to information about the ship, research resources on the ship, links to build logs, other kits for that ship, etc.

But, at its heart, it is the kit manufacturer and kit database, which would allow for registered users to submit ratings and reviews. He has organized ratings so that they are not just one overall rating, but you can rate several elements: quality of materials, quality of instructions, quality of plans, difficulty, and overall. He also envisions being able to rate the supplier/manufacturer itself on things like customer service, ease of ordering, etc. (but this hasn't been created yet). In the reviews, people can submit their own pictures and comments. There are some valid concerns about policing and what happens if an inexperienced modeler tries to build an advanced kit like the Constitution. The following potential solutions/considerations:

In the user profile a required skill level tag - yes, this would be self reported, but people would be honest about it. Or at least, number of years modeling, number of kit models built, number of scratch models built, etc. This could be used to calculate a skill level rating. Then, he could see if beginners are negatively reviewing inappropriate kits.

It's also important to note that in order to rate something, you must be registered with an email address. So, this isn't entirely anonymous (which is where problems can lie in ratings sites). Moreover, communities like this tend to be self policing.

He would also like to create a vendor/manufacturer account, which would allow them to respond directly to ratings/comments to allow perspective. Ultimately, problem people can be kicked off the platform.

Carla suggested getting information on plans and drawings from the Council of American Marine Museums (CAMM) website. He envisions that this would be crowd sourced. This is a lot of work, and Michael encourages interested parties to take a look at the link to see what they think and send comments to Michael. He would like people to go on this website, register, and send any comments to Michael. The website is;

[www.shipmodelersdatabase.com](http://www.shipmodelersdatabase.com)

## Maritime Trivia

Barry Rudd sent me the following;

**“Why is speed at sea measured in knots? Is it because of maritime tradition or is there a specific reason?”**

Nautical speed is measured in “knots” because of tradition, yes, but also because “knots” currently means “nautical miles per hour.”

A “nautical” mile is much more useful for navigation, because 60 nautical miles is one degree of latitude, (and pretty close to one degree of longitude at the equator.) And knowing how many degrees your position is changing per hour is very useful. This is the same reason airplanes use “knots” too.

Thank you for sending this Barry.



## SMSNJ Visits the Hudson River Maritime Museum



Carla Lesh, Bill Brown, Eric Marshall, Seja, Mason Loggie, Tom Ruggiero, Oswald Thalmann, Susan Kenny, Kevin Kenny, Mark Peckham, Wilson Parry

Member Kevin Kenny's daughter and son in law live in New York. For Christmas, Kevin and his wife Susan came to visit. The plan was to visit NYC and then go up to Kingston. Carla Lesh and Mark Peckham offered to give Kevin and his family a tour of the Hudson River Maritime Museum and they extended the invitation to the SMSNJ. On December 27, 2021, we went to the museum and it was fantastic. Carla and Mark toured us through the entire museum, boat shop, sailing school and archives. Before heading home, we had a great lunch in the Olde Savannah Restaurant next to the museum. Kevin, and his daughter filmed the entire tour and produced a video that can be viewed in his MSW Build Log on HMS Thorn or with this URL:

<https://youtu.be/1R6G5AHcfzk>

. The video is great and you should all take a look. We thank Carla, Mark, and the staff of the museum for a fantastic day. There are more photos on the next page.





## SMSNJ Visits the Hudson River Maritime Museum





## SHOW & TELL



HMS Victory, English 1st Rate,  
Scale 1:72, Modified Caldercraft Kit  
(54 x 21 x 37 inches)

- Mort Stoll

Mort is busily making hammocks. He has been working with a jig that Larry Friedlander made for him and is achieving quite a bit of uniformity with it. After researching the color - Longridge and Lavery - I made the hammocks from silver cocktail napkins purchased at Party City. They were rolled on a 6" cotton swab, shaped - with cyano or Elmer's Clear Glue - finally folded and sewn.





# *The Broadaxe*

SHOW &  
TELL



HMS Victory, English 1st Rate,  
Scale 1:72, Modified Caldercraft Kit  
(54 x 21 x 37 inches)

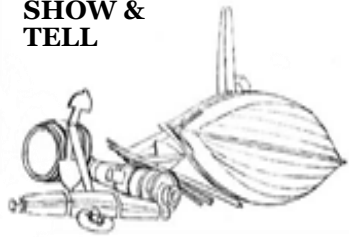
- Mort Stoll

Mort cannot thank enough Michael Mott and Larry for  
their support on this project. A Ship Model Club is  
your best tool, Mort. Well done.





## SHOW & TELL



Providence, Colonial Schooner,

1776, 1:48 Scale

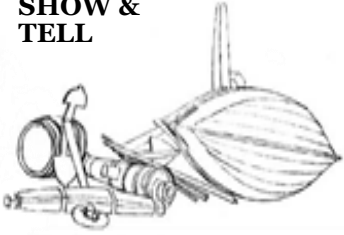
- Ken Whitehead

Ken has furled the fore stay sail and jib on his model. Ken has a build log on MSW. Very realistic Ken. Ken is continuing the rigging of the model and he is making rope coils. There are many videos on making the coils using several types of jigs. Tom makes his coils by soaking a length of line with white glue. He wraps it around a suitably sized handle of a paint brush. While still wet, he slides the coil off with a tweezer onto a glass plate. He then squeezes the coil to make it oval. To attach the coil to the belaying point, he loops the belayed line and threads it through the coil. The loop is half twited and dropped of the belay pin. Lastly he pulls the coild down so that the coil hangs from the belayed line. Note that generally, the coil is not simply hung over the belaying pin. The reason why the coil is hung from a loop is so that when you need to work the line the sailor simply lifts one line over the pin and it drops the coil to the deck rather than having to lift the whole coil of line. Ken is going to give it a try.



## *The Broadaxe*

### SHOW & TELL

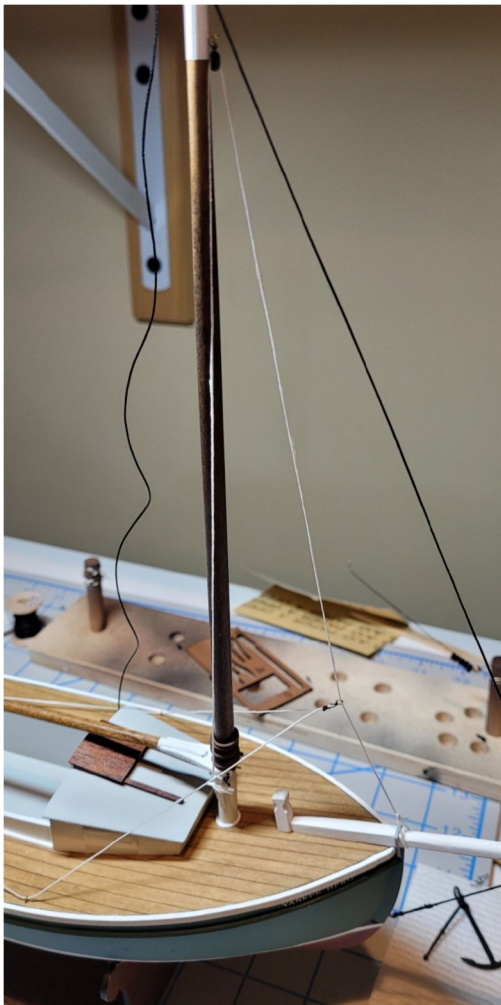


Yankee Hero, 1889 Maine fishing boat

Scale 3/8"–1' BlueJacket Kit

Mike Waller

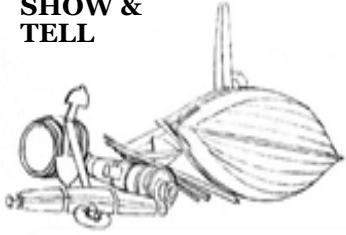
Mike is rigging his model. Most recently he has run the jib halyard and jib sheet. Following comments on Modelship World, he painted all of the blocks black. I also painted the cleats black. Proceeding very nicely Mike.





# The Broadaxe

## SHOW & TELL



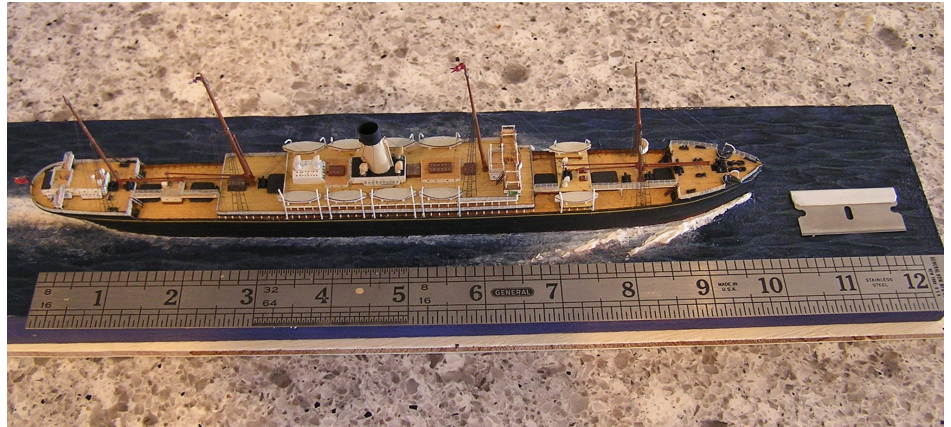
Gothic, British, 1893, Cargo/  
Passenger Liner

Scale 1:600, 10 1/2" X 1"

Solid Hull Waterline

Bob Fivehouse

The GOTHIC was the first ship to trade to Australia with twin screws. She was built for the White Star Line to operate in the joint service between White Star and Shaw, Savill and Albion lines. She was 490.7' b.p. and 53.2' in breadth with an overall length of 506'. She was 7755 gross tons which made her the biggest ship running to New Zealand. she had two triple expansion engines which gave her a speed of 15 knots. In 1894 she went from Plymouth to Wellington in 37 days 10 hours and 16 minutes at an average 14.16 knots which set a record.



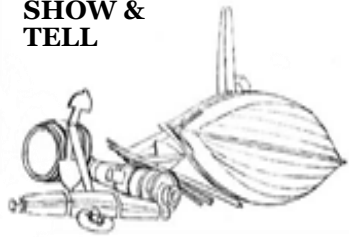
In 1906 she had a very serious fire in her wool cargo and had to be beached in Plymouth harbor. She was then rebuilt and transferred to the Red Star Line as the GOTHLAND. For time in 1911, she went back to her old route and name with White Star and then, in 1914 bck to Red Star. However, later in 1914, she stranded on the Gunner Rocks off the Scilly Islands until gotten off three days later.

er. She was under repair when the First World War began but put back into regular passenger service for the rest of the war. in 1925 she was sold to shipbreakers for 16,000 pounds. My model is carved from two pieces of bass with bulwarks made from "Cards of Wood" ply. the decks are scribed holly. The lifeboats are each carved and the vents are either turned from wood or built up from bead crimps. (cont'd)



## The Broadaxe

SHOW &  
TELL



Gothic, British,  
1893, Cargo/  
Passenger Liner  
(cont'd)



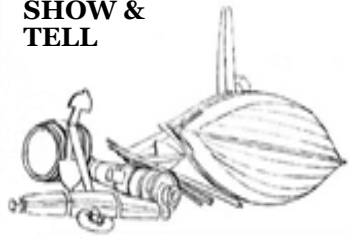
The funnel is brass and the rigging is copper wire. The flags are printed on glasine from pictures on the internet. The rails, shrouds and stairs are photoetched from Tom's and Gold Medal models. I made the case from mahogany and glass with the water carved from wood. As can be seen, the owning company of each ship flew their flag (White Star) on the main mast and the joint partner's (Shaw, Savill And Albion) on the mizzen. She was then re-built and transferred to the Red Star Line as the GOTHLAND. For time in 1911, she went back to her old route and name with White Star and then, in 1914 bck to Red Star. However, later in 1914, she stranded on the Gunner Rocks off the Scilly Islands until gotten off three days later. She was under repair when the First World War began but put back into regular passenger service for the rest of the war. in 1925 she was sold to shipbreakers for 16,000 pounds. My model is carved from two pieces of bass with bulkheads made from "Cards of Wood" ply. the decks are scribed holly. The lifeboats are each carved and the vents are either turned from wood or built up from bead crimps. The funnel is brass and the rigging is copper wire. The flags are printed on glasine from pictures on the internet. The rails, shrouds and stairs are photoetched from Tom's and Gold Medal models. I made the case from mahogany and glass with the water carved from wood. As can be seen, the owning company of each ship flew their flag (White Star) on the main mast and the joint partner's (Shaw, Savill And Albion) on the mizzen.

A beautiful model, Bob.





**SHOW &  
TELL**



## Mini-Lathe

### Brass Clamps Lee Valley Tools

- Kevin Kenny

Kevin Kenny is still up in New York, but he was able to show us a few stocking stuffers that he got for Christmas. He got several wonderfully engineered brass clamps from Lee Valley. The bar comes in several different lengths. They are a bit more expensive than other lower quality clamps, but the quality and precision shows. Tim Murphy also confirmed their quality. Lee Valley is located in Canada. Here is their website:

<https://www.leevalley.com/>



# The Ship Model Society of New Jersey



*The Broadaxe* is published monthly by The Ship Model Society of New Jersey (SMSNJ), a nonprofit organization dedicated to teaching and promoting ship modeling and maritime history. Membership dues are

\$25.00 for the first year and \$20.00 per year thereafter.

Visit our Web Site at: <http://www.shipmodelsocietyofnewjersey.org> where a web version of *The Broadaxe* can be found. *The Broadaxe* is distributed each month by email in PDF format.

Regular meetings are held on the fourth Tuesday of every month at 6:45 PM, at the Roseland Free Public Library, 20 Roseland Avenue, Roseland, New Jersey. Guests are always welcome.

Contributions to *The Broadaxe* are always welcome, and SMSNJ members are encouraged to participate. Articles, shop hints and news items may be submitted directly to the Editor as typed manuscript or electronic files, either on discs or by email. Handwritten notes or other materials will be considered depending on the amount of editing and preparation involved.

*The Broadaxe* is edited by Tom Ruggiero. Your ideas and suggestions are always welcome. Please submit them to Steve Maggipinto at [trugs@comcast.net](mailto:trugs@comcast.net).

If any member would like an email copy of the roster, please drop a note to Tom Ruggiero at the email address listed below. If there is an error in the roster let Tom know and the roster will be amended. Please make sure that your spam filter is not blocking emails from Tom because if it is, you won't get member bulletins. Please keep your contact information up to date. Your email address is particularly important because that is the main avenue of communication for club announcements. In case of emergencies such as last-minute cancellations due to weather, emails will be sent to the members. Direct All Correspondence to Tom Ruggiero.

## Club Officers

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