THE BROADAXE

BATTLE SHIP NEW JERSEY TOUR
June 1, 2002

President **Nick Starace** has provided the Broadaxe with the following announcement.

BATTLESHIP NEW JERSEY (BB-62) TOUR

A tour of the battleship has been arranged for June 1, at 1 PM. Attendees are asked to meet at the gift shop on the pier where the vessel is moored. Tickets should be purchased at the gift shop. Guests are welcome. We are hopeful that this group tour will afford an opportunity to access sections of the vessel not normally open to the public. If there are questions, please contact Ken Schuetz at 973-226-9004 or Nick at 973-376-9026 or by e-mail. For further information, the Home Port Alliance number is 856-966-5000. For those who cannot make this tour, another tour may be arranged in the fall if there is enough demand.

Directions:

Take NJ Turnpike south to Exit 4 (Route 73 north). Proceed approximately ½ mile to I-295 south and take it to Exit 26. Follow signs to I-676 and get off at Exit 5A to Mickle Blvd. Proceed on Mickle Blvd and follow signs to BB New Jersey. Pay for parking as you enter the parking lot. From there, it is a short walk to the gift shop and vessel.   Car-pooling is encouraged and can be arranged at the SMSNNJ May 28 meeting.

For those wishing to make a full day of it, the Camden Aquarium is in the vicinity of the battleship.

MINUTES OF THE EXCOM MEETING
April 23, 2002

President **Nick Starace** and Vice President **Bob Brehm** were unable to attend the EXCOM meeting.

It was decided that we would recommend to the membership putting the Broadaxe on the club website and also distribute it by mail to all members. Acting Broadaxe Editor, **Dave Watkins** will notify all members with an e-mail address when the Broadaxe is available on the website.

The family of the late **Jeff Gottlieb** has donated to the club eleven ship model kits. The kits will be put up for sale at the Northeast Ship Model Conference on May 5 at 75% of their market value and made available to our members at 70% of market value.

MINUTES OF THE REGULAR MEETING,
April 23, 2002

With President **Nick Starace** delayed elsewhere, Secretary **Don Otis** opened our meeting on time at 7:30 PM in the Millburn Library's conference room. Thirty-one members and two guests attended, including first timer **Roy Harter** of Westwood. **Roy** is a former World War II merchant seaman, having seen service in a variety of merchant ships. We also welcomed second time visitor Dennis Powell of Scotch Plains.

OLD BUSINESS

We had a lengthy discussion about putting the Broadaxe on the club website. A show of hands showed that about two thirds of the members present could receive the Broadaxe via the website. It was decided that the Broadaxe will be distributed by mail to all members and also placed on the website. **Dave Watkins** will keep all future issues in the Archives section of the website starting with the March 2002 issue.

Tom Ruggiero argued for the improved photograph reproduction available in a web version, and took a number of pictures at the meeting to accompany the May Broadaxe. **Tom** also showed a copy of the April Broadaxe that he had downloaded from the

website and printed. Roy Goroski noted that access to the Internet and our website can be gained at most public libraries. Usually, library staff members are willing to train people on the uses of the Internet.

Dave Watkins solicited articles and notes for the Broadaxe as well as any suggestions. **Al Geigel** and **Tom Ruggiero** will review their Broadaxe files for material worthy of republishing. **Dave** has a scanner and can accept typed or printed copies of materials without having to retype. He can also accept pictures and diagrams.

President **Starace** accepted **Ken Schuetz's** offer to contact the *USS New Jersey* museum staff concerning a special club tour of the ship, which might include areas not open to the general public. (See announcement above.)

NEW BUSINESS

For Lucite Model Cases, **Ken Schuetz** uses the following source:
>Bloomfield Plastic Company
>28 Montgomery Street
>Bloomfield, NJ 07003
>(973) 743-6900

Ask for Tom, and mention both **Ken's** name and the club.

President **Starace** asked that members interested in purchasing any of the kits from the **Gottlieb** donation to contact **Nick** at home (973-376-9026) before Monday, April 29.
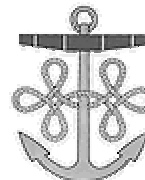
SHOW AND TELL

Barry Rudd passed around his pictures taken at the April Western Ship Model Conference.

Len Schwalm exhibited a *USS Philadelphia* carronade made from an old Marine Models kit.

Marty Krisiloff used Steve Rogers' book, <u>Model Boat Building</u>, to scratch build a dinghy, which he then mounted on a piece of driftwood.

Ernest Connors produced two more of his functioning airplane models, an A-10 Warthog in 1:32 scale and V-22 Osprey in 1:48 scale. Both models feature **Ernie's** imaginative assortment of lights, authentic sound and working parts.

FROM THE QUARTERDECK

NICHOLAS F. STARACE II, PRESIDENT

In response to frequently asked questions at meetings regarding "scale" conversion and calculation, I thought it advisable to offer the following.

1. METRIC TO ENGLISH EQUIVALENTS AND CONVERSIONS

A. Chart of Commonly Used Scale Equivalents

Metric	English
1:12	1"=1'
1:16	¾"=1'
1:24	½"=1'
1:48	¼"=1'
1:96	1/8"=1'
1:192	1/16"=1'
1:384	1/32"=1'

To see how these equivalents are determined, let's take 1/8" = 1'. One inch divided by 8 equals eight parts to the inch. Multiply by 12 inches and you get 96, the number of units in one foot. For 1/16"=1', 16x12=192 and so on.

B. Converting From English To Metric

Metric Scale = 12 ÷ English Scale Fraction

Example: What is the metric scale for 1/8" = 1'

Metric Scale = 12 ÷ 1/8 = 96 i.e., 1:96

C. Converting From Metric To English

English Scale = 12 ÷ Metric Scale Ratio

Example: What is the English scale for 1:48

English Scale = 12 ÷ 48 = ¼"   i.e., ¼" = 1'

2. CALCULATING SCALE DIMENSIONS

Knowing scale, and actual ship dimensions, here is a handy way to calculate scale inches:

A. English

Example: Calculate scale height of 3 foot high railing for a model built in ¼"=1' scale.

Scale Inches =

Actual Dimension (in feet) x Scale in Inches
        1 Foot

= 3 x ¼ = ¾"

B. Metric

Same example; calculate scale height of 3' railing for a model built in 1:48 scale.

Scale Inches =
Actual Dimension (in inches) ÷ Scale

= 3 x 12 ÷ 48 = ¾"

For the above examples, the model built on a ¼" to foot scale would be 1/48 the size of the real-life vessel. It is, therefore, a quarter-scale model. The term scale should not be confused with size. The model is not ¼ the size of the original, but 1/48 of that size.

3. HANDY CONVERSIONS

Here are other commonly used conversions that you might find useful in your modeling work and planning:

To Convert	Multiply By	To Obtain
Millimeters (mm)	0.04	Inches
Centimeters (cm)	0.4	Inches
Meters	3.28	Feet
Inches	25.4	mm
Inches	2.54	cm
PSI	0.07	KG/SQ CM
KG/SQ CM	14.2	PSI

Hope this helps. At a future meeting we can try to answer any questions. Happy modeling!

NICK

Quote of the Month
Good judgment comes from experience.
Experience comes from bad judgment.

TECH SESSION

Barry Rudd gave a very illuminating technical session on an alternative way of determining and cutting the taper for planks. He demonstrated the technique by making planks for a solid hull with extreme rounding of the bow in what appears to be 1:64 scale. **Barry** said that he believes this to be a difficult example. He also believes that the method should work on with plank on frame and plank on bulkhead models.
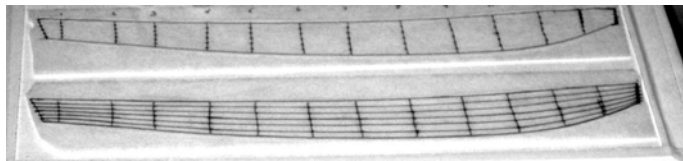
The method starts with the instructions contained in **Jim Roberts'** book on planking. A fine "magic marker", proportional dividers, ships' curves and wide masking tape (not painters' tape—obtain from craft or office supply store) are used in this process.

The process can be done in the following steps:
1. Place battens on the hull to break the hull up into bands for planking.
2. Mark the station lines on the hull.
3. Place a length of masking tape over the entire planking belt.
4. Press the tape overlapping the battens, and run a fingernail along the battens, forming creases in the tape.
5. Mark the station lines on the tape.

6. Run the fine marker along the creases on the tape.
7. Carefully place the tape on a flat piece of glass, taking care not to distort it.
8. Select the longest station line on the tape, and using the proportional dividers tick off the number of planks required for the scale plank width.
9. Repeat this on all of the station lines.
10. Connect the tick marks using one or more ships' curves. This defines the shapes of the planks.

11. If required, the position of butt joints and/or stealers can be marked at this time.
12. Very carefully cut the plank templates from the tape and place on planking stock. Stick down one end, and smooth the template onto the stock without forcing.
13. Cut out the planks on a band saw or jig saw, cutting close to the line but not on it.
14. Use an upright narrow belt sander to remove stock to the edge of the tape.
15. Slightly bevel the planks on the turn of the bilge. This is probably best done freehand.
16. Use an electric plank bender to shape the planks with the tape still on them.
17. Check the fit by lining up the station marks on the hull and the station marks on the tape still attached to the plank. Adjust as necessary.
18. Remove tape and glue the planks on with white glue. If necessary, drill a small hole into the hull and use a pushpin to hold the plank in place until the glue dries.

Barry reported that he was able to do the whole process for one half of a hull in 4 ½ to 5 hours. He said that the method proved to be very accurate. The last plank (the garboard strake) fell right into place with no trimming required.

More photos illustrating the method were taken by **Barry** and **Tom Ruggiero** and are displayed in the web version of the Broadaxe at http://www.njshipmodelsociety.org/Main/BroadAxe/index.htm.

The meeting was adjourned at 9:40 PM.

FROM THE EDITOR

As was reported in the minutes of the April 23 meeting, I will be placing a version of the Broadaxe on our website each month and moving the previous month's edition to the Archives section of the site. The website version will typically have more photographs (and in color) than it is practical to put in the paper version. The only potential problem with more pictures on the website is that it will increase the download time for the web pages. If you are having a problem with this, you can set an option in your browser to turn off graphics and receive a text only version. In Internet Explorer Version 6 you do this clicking on "Tools" on the top tool bar, selecting "Internet Options" and then selecting "Advanced". Scroll down to "Multimedia" and see if the "Show Pictures" box is checked. Uncheck the box by clicking on it. This choice can be reversed at any time and takes effect immediately.

If you have a modem connection I would like know whether or not the download times are satisfactory.

It was also decided to continue to mail a copy of the Broadaxe to all members in good standing.

WEB SITES

Here is website that I have found interesting.

The Dolphin Street Shipyard site at http://www.shipbuildersreport.com/ has a somewhat tongue in cheek approach, but contains a great deal of useful information. The most ambitious materials describe building various models. These are available in Adobe PDF format files, and the one I looked at was quite detailed. There are currently three reports available: The Artesenia Latina kit of the USF *Constellation,* scratch building the Continental Frigate *Confederacy* and scratch building the Royal Yacht *Fubbs*.
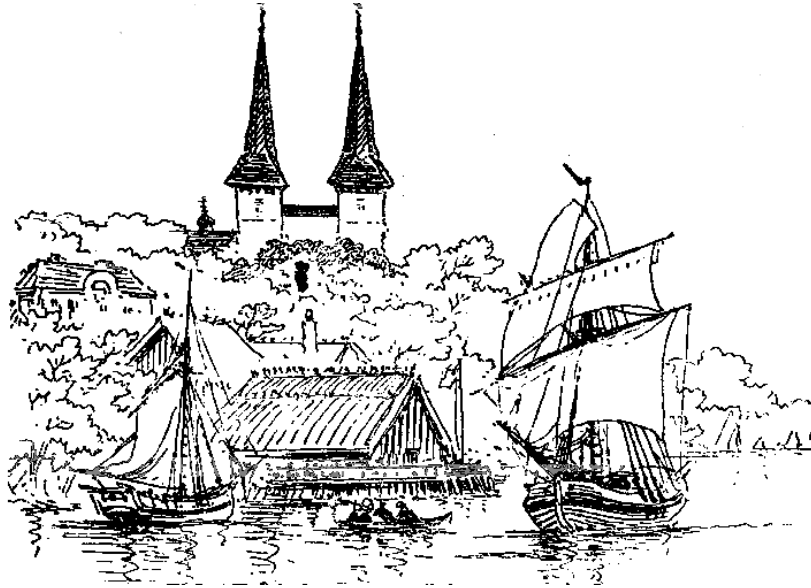
That's all for now.

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NEXT MEETING:

May 28, 2002
7:30 PM

MILLBURN
PUBLIC
LIBRARY

Tech Session:

Tom Ruggiero

**Making Stern
Gallery Windows**