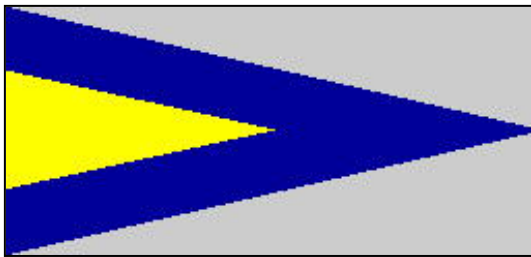




Date: April 29, 2002 ~ Battleship New Jersey Docent/Volunteer Bulletin ~ Vol. 1 Issue # 11  
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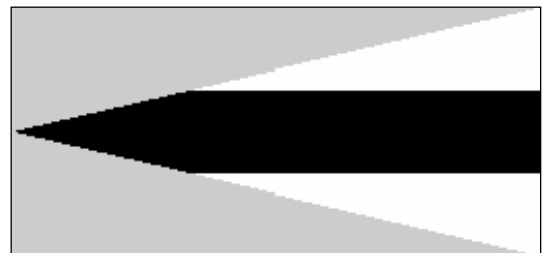
**Absentee Pennants:**



In addition to the “NJBB” ship’s callsign flying from the ship’s Portside, Docents may be asked about these pennants...

**FIRST SUBSTITUTE** pennant flies from **Starboard** and signifies: “Absence of flag officer... whose personal flag or command pennant is flying on this ship.” (**Admiral Absentee**)

This **THIRD SUBSTITUTE** pennant flies from the **Portside** and signifies: “Absence of Commanding Officer. (It automatically shifts to the X.O. when the C.O. departs for a period of absence of 72 hours or more.)” (**Captain Absentee**)



**THIRD SUBSTITUTE** – (Black mid-stripe with top and bottom White stripes)

**BGM-109 Tomahawk Refresher...** With the Tomahawk demonstration consoles now being added in CEC – a few facts you may want to include for your tours...

- 32 Tomahawk missiles in Armored Box Launchers
- 18 ft long missiles. With booster rocket - 20 ½ feet long
- Weight of missile 2,650 lbs – “about the weight of a 16” Armored Piercing round”
- Diameter a little over 20 inches
- Wing span 8’ 9”
- Subsonic speed @ 550 mph
- Cost \$1,400,000 - average p/unit

(Source: Federation of American Scientists (FAS) – Military Analysis)

**Liner “creep” on the 16” gun barrels:**

Our 16” Turret Captain, Marty Waltemyer has mentioned to most of us that when the 16” guns fire from “about 1,000 - 1,500 rounds”, the liners will begin to appear at barrel muzzles. When these liners are exposed anywhere from a ½ to ¾ inches, a lathe device is then used to shave this off. Thanks to Docent MM/2 Ken Kersch, he has located this lathe. It has a large solid drum that is fitted into the gun muzzle, and the self powered lathe is then made to rotate, cut, and automatically adjust, to gradually remove the exposed part of the liner – “it is an all day job... the deck force hated it for what the oil and shavings did to the decks...” To take a look at this lathe, or for more information, please ask Docent Ken Kersch. Running this lathe was one of his jobs as Machinist Mate when aboard USS New Jersey 1968-1969...



(Friday Docent MM/2 Ken Kersch)

**Battleship size comparisons:**

Many of us giving tours have been asked “Was Titanic bigger than the NJ?” (Answer: No – Titanic was 883 feet long and 93 feet at the beam...)

Here is a somewhat “rounded” chart of major power battleship data you may find useful:

|                | <u>Length</u> | <u>Width</u> | <u>Displacement</u> | <u>Speed</u>  |
|----------------|---------------|--------------|---------------------|---------------|
| USS New Jersey | 887’ 7”       | 108’ 3”      | 57,500 Tons         | 33kts (38mph) |
| IJN Yamato     | 862’ 9”       | 127’ 9”      | 69,988 Tons         | 27kts (31mph) |
| HMS Hood       | 860’ 6”       | 105’ 3”      | 42,100 Tons         | 31kts (36mph) |
| KMS Bismarck   | 792’          | 118’         | 41,700 Tons         | 30kts (35mph) |

**Reminder:** Please send e-mail addresses to Bruce Haegley - [haegley@comcast.net](mailto:haegley@comcast.net), and bulletin comments or suggestions to Tom Helvig - [THelvig@aol.com](mailto:THelvig@aol.com).