

NEW DISPLAY SYSTEM WILL BOOST CIC

by ENS Brian Deans

Before the summer is over, the man with the five cent grease pencil will be "phased out" of BENNINGTON's CIC by a multi-thousand dollar Tactical Navigational Display System. A most up-to-date addition to intelligence gathering equipment systems, TNDS will display our ship's track and those of all sub-surface, surface and air contacts.

This complex of flashing lights, switches and dials will do almost anything—including change its own light bulbs. It cannot think, however—it has no computer or memory circuits.

The rapid plotting system utilizes synchro-servo inputs from five radar repeaters in CIC and one from the new sonar to position contacts on 25 Square feet of screen in COMBAT. The contacts will be displayed as either circles, dots, ellipses, squares, triangles, diamonds or plus signs in any of six colors: red, green, blue, white, yellow and . . . pink!

The time of each plot may be designated in either hours and minutes or just minutes. Also included is a numerical keyboard from 0 to 9 and the complete alphabet, so anything may be written as well as plotted on the screen.

Two modes of operation allow the plot to be either a relative ship-oriented picture or a true navigational display with own ship's position moving across the screen. Precise

charts will be provided which can also be projected onto the screen when entering or leaving port.

The system also comes equipped with a plotting board on which charts, graphs, diagrams, etc., may be traced. The length of the plotting tape and the angle of elevations above horizontal will position the outline of the item on the display screen.

As a final touch, the TNDS screen will be picked up on a closed-circuit television system in CO Plot, Flag Plot, and the squadron ready rooms.



INSERV TRIALS TEST BENN'S NEW GEAR

This one is official! BENNINGTON's second "deployment" in six months will determine the material condition of the ship. Eighteen members of the West Coast Board of Inspection and Survey and two BuShips representatives were on hand along with a host of PSNS personnel, to see the Big BENN run right!

Tests were conducted during the two day period, and included a full power run, high speed turns and an hour's worth of "backing down." An important event during the trials was a complete inspection by the senior Insurv Board members lasting over two hours and covering virtually every inch of the ship.

The inspectors looked closely for any material discrepancies which may effect the efficient operation of the ship. While particularly concerned with quality of work done during the FRAM II overhaul, they also looked for any other existing deficiencies.

