



O-D&OY Photos

Above Dr. Jerome Milgrim of MIT, inspects the unusual shape of his "computer-designed" 5.5-Meter. BELOW Although it looks like an International 14 stem, it's the same 5.5. She's owned by Benjamin D. Gilbert, and 505 ace John Marshall will campaign her. The innovations should produce light-cur speed.

## Designer Uses Computer To Produce Light Air 5.5

BY TED JONES

Southport, CONN. - With only four weeks to go before the U.S. 5.5-Meter championships, the "screwing of the final screw" ceremony on the new Jerry Milgram designed 5.5 Meter took place here at builder "Chris" Christiansen's barn. The new boat is being built for Benjamin D. Gilbert and will be sailed by former 505 champion John Marshall. Dr. Milgram designed the boat with the assistance of a computer at MIT, where he is an assistant professor of naval architecture.

The unusual shape -- with a knuckled bow, extreme fullness forward, flat midships waterlines and a stern "kicker" - is designed to be at her best in the light conditions expected at the Olympic

trials off Newport Beach, California in August and the Olympic Games at Acapulco, Mexico in October. In tank tests conducted at M.I.Y. the new design is reported to be far superior to any other 5.5-Meter tested.

This is the fourth 5.5-Meter owned by Mr. Gilbert. He also has *Antiopé*, *Shady* (which won a bronze medal at the 1964 Olympics as *Bingo* when sailed by Don McNamara) and *Bingo II*, all Luders designs. Marshall and his crew have been working out with *Shady*, trying out a new deck layout for the new boat. They will race *Shady* in the U.S. championships if the new boat is not ready. Luders has chartered *Bingo II* for this series.

