



**LIBERTY FLOTILLA – SUNY MARITIME COLLEGE
FORT SCHUYLER TRAINING DAY
Saturday, March 14, 2009
INSTRUCTIONAL SESSIONS**

Onboard Weather *NEW*****

(Instructor: Paul Coularis, US Power Squadron Neptune, Long Island, NY)

Changing weather conditions can change what was a delightful day on the water into a real challenge. Forecasting what weather you will encounter is one of the top priorities for safe boating. Should we go out? When should we come in? These are important questions, but some fundamental understanding of the weather can help you make these decisions. That's what this session is all about.

Boats and Hurricanes *NEW*****

(Instructor: Jim Pelligrino, US Power Squadron Hempstead Bay, Long Island, NY)

We may not face a "Florida" hurricane in our boating waterways but we do get nasty nor'easters and severe weather conditions out on the Long Island Sound! This class covers how to select a safe location and how to prepare your boat for a hurricane or "big blow" to pass by.

Navigational Rules – Rules of the Road

(Instructor: Conner Rieve; Ship 110 CT, SEAL '06 Grad)

When driving a car, we must know traffic laws and rules of the road. When piloting a ship, we must know maritime laws and rules of the nautical road. The US Coast Guard publishes these "nav rules". Courtesy and common sense dictate that small boats stay clear of larger vessels. However, if there is any risk of collision, there are navigation rules that clearly apply. Strict observance of all rules by all vessels can ensure the minimum danger. We will cover many of the key nav rules; resources will be provided for future reference.

Basic Nautical Charts and ATONs

(Instructor: Vince Claps, Ship 228 NJ)

Course will cover all basic chart symbols, compass rose, latitude and longitude, loran symbols, direction, distance, buoys and beacons.

Costal Piloting

(Instructor: Ray Drollinger III, Ship 441 NY, SEAL'06 Grad)

Course will cover dead reckoning ("DR"), DR arithmetic examples, time math, DR symbols, and plotting DR on a chart. Students should bring to class parallel rulers, divider compass, pencil, eraser and pocket calculator.

Basic math is required. Students are encouraged to take Nautical Charts before attending this course.

Session requires 2 consecutive periods.

Sextant Skills

(Instructor: Ragnar Buchner, Ship 228 NJ)

Find out why ancient Sailors wore an eyepatch. You will have hands-on use of sextants and telescopes, to sight lighthouses and buoys on the water in East Chester Bay. Students are encouraged to bring their own basic compass for orienteering to the charts provided and if available bring own chart plotting tools. No calculator is required. Sextants will be provided for use during the training; 2-3 scouts per workgroup. Portions of class will be held outdoors; dress accordingly.

GPS *NEW*****

(Instructor: Ron Friedeman, US Power Squadron Neptune, Long Island, NY)

GPS has become a common tool for navigation. However using GPS on the water is distinctly different from a moving map display in your car. We will explain the principles of waypoint navigation that you will use. It then shows you how to relate the GPS to your charts that provide essential information about what is around you.

Anchoring *NEW*****

(Instructor: Alvin Wellander, US Power Squadron Hempstead Bay, Long Island, NY)

This class covers selection of anchor, rode and components; anchor selection for sea conditions and bottom characteristics; deployment and recovery of anchors. It also includes tables for sizing an anchor and components, and information for determining loads under various conditions.

Splicing and Mariners Knots

(Instructors: Charlie Spitz, NJ Monmouth Council & Bill Auman, Ship 441-NY)

Rope is the oldest and most useful tool, and on boats, rope is used for mooring, anchoring, towing, rigging and utility service. Aboard a vessel, rope is referred to as line unless it has a specific name such as halyard, sheet, hawser, etc. Marlinspike seamanship covers many aspects including the care of rope, knots, splicing, and whipping. Maximum class size: 10.

Basic Sailboat Skills

(Instructors: Skipper Carla Siglam, Gilles Gennevieve, and Richard Beck, Ship 132 NJ)

Course will cover: Physics of Sail; Fluid Dynamics; Mechanics and Controls; Boat Nomenclatures and Functions; Tacks and Sail Settings; Forces Acting on a Sailboat; Safety; Q&A Period. There will be a hands-on portion with sail rigging and setting demonstration with a full-sized sailboat on trailer.

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For Adult Sea Scouts:

SSLST - Sea Scout Leader Specialized Training

(Instructor: Dave Mosher, Ship 272 NY)

All leaders are encouraged to take this training and covers the fundamentals of basic organization and operation of a Sea Scout ship. We will review the purpose of Sea Scouts as well as programs, resources, activities, advancement and recognition unique to Sea Scouts. Completion of this training is a pre-requisite for Seabadge (which will be offered in the Northeast Region in the Fall 2009). Class will run for five consecutive periods; with a break for lunch.

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NOTE FOR STUDENTS:

Instructional Classes are scheduled for periods of 55 minutes in length each. Transition between sessions slated up to 5 minutes.

See Training Grid for classroom assignment and times.

REV: January 31, 2009