

Department of Ocean and Resources Engineering

Seminar

Waterborne Survival Technology for Military and Civilian Applications

by

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Wednesday, September 14, 2005, 3:30 pm, MSB 114

Abstract

A direct consequence of increased travel, recreation, and military operations over large bodies of water has been a proportional increase in the number of maritime accidents that often result in persons stranded on the grand expanse of the water surface. Very few of these people are successfully rescued due to the difficulty in locating their bodies on the open ocean in daylight hours, let alone at night in which most rescue efforts are called off.

Up until now there have been three major features lacking in the "state of the art" emergency locating devices for persons lost at sea: (1) a device which is automatically deployed and sustained for an indefinite time; (2) a device which can be located from great altitudes and distances during both daylight and nighttime hours; and (3) an inexpensive simple device which can be supplied to all overseas travelers/enthusiasts/military personnel and is not subject to electronic malfunctions.

The patented and military-approved SEE/RESCUE[®] Streamer technology increases the likelihood of locating individual persons or life boats afloat at sea in an inexpensive, continuous manner, thus making the travelers, workers, water enthusiasts, or military personnel more relaxed when separated from land. Streamers can also be used for signaling on land for persons lost during hiking, skiing, or military operations.

Over the past several years, supportive survival technologies have been developed to augment the streamer by providing emergency floatation, mobility, desalination, nighttime signaling, automatic signaling for incapacitated fighter pilots, automatic target detection cameras, and portable personal motion detection capability.