



American Society of Mechanical Engineers - Fox Valley Section

Civil War Confederate Submarine “The Hunley” History and Recovery

Villa Nova Restaurant, Villa Park, IL

Wednesday, January 18, 2006

The Confederate submarine, The Hunley, was discovered at the bottom of Charleston harbor several years ago after extensive magnetometer surveys of the bay over a ten year period by Clive Cussler, a noted adventure novelist. Interest in the recovery and restoration of the Hunley has received a great deal of national attention since it was one of the first submarines used in a war.

The Union blockade of Charleston’s harbor severely hampered the Confederacy’s supply chain. The Hunley was used to sink ships forming the blockade. The mystery behind the vessel’s disappearance after sinking the Union ship, Housatonic, during its first Civil War action has produced a number of books, a TV movie and a National Geographic special.

The lifting of the submarine from the ocean floor was a difficult task since the vessel was filled with silt, which added many tons of weight to the vessel. The lift involved designing, fabricating and placing an entire lifting system to accomplish the recovery. In addition, the condition of the submarine was unknown and it was lying at a 45° angle. The company, Oceaneering, was contracted to perform the design of the lifting device and recovery work.

The discovery, retrieval, and recent restoration will be highlighted, as well as some of the history behind the submarine and its crew.

Our presenter is Stuart Kleven of Alloyweld Inspection Company, Inc., a nondestructive testing laboratory in Bensenville, Illinois, where Stu is a Quality Engineer. Alloyweld Inspection worked closely with the restoration team using Fuji Digital Radiography to detect and characterize artifacts and to reveal the internal structure of the submarine prior to excavation. Stuart Kleven is an American Society for Nondestructive Testing, level III inspector, certified in four test methods. He is also a American Welding Society Certified Welding Inspector. Currently Mr. Kleven is serving on (ASTM) American Society for Materials, subcommittee E7 for Radiography. His interest in history as a hobby led to his work on The Hunley.

LOCATION AND DIRECTIONS:

Villa Nova Restaurant, 237 W. St.Charles Road, Villa Park, IL 630-832-8430

Restaurant is West of Highway IL 83 on the south side of the St. Charles Rd.

SCHEDULE: 6:00 PM Registration and Cash Bar 6:30 PM Dinner 7:30 PM Presentation

DINNER:

Family Style Chicken, Beef, Vegetarian Includes soup, salad, vegetable, potatoes, vanilla sundae dessert
Vegetarian meal is pasta marinara plus non-meat items above.

COST: \$25.00 payable at the door, by check or cash

RESERVATIONS:

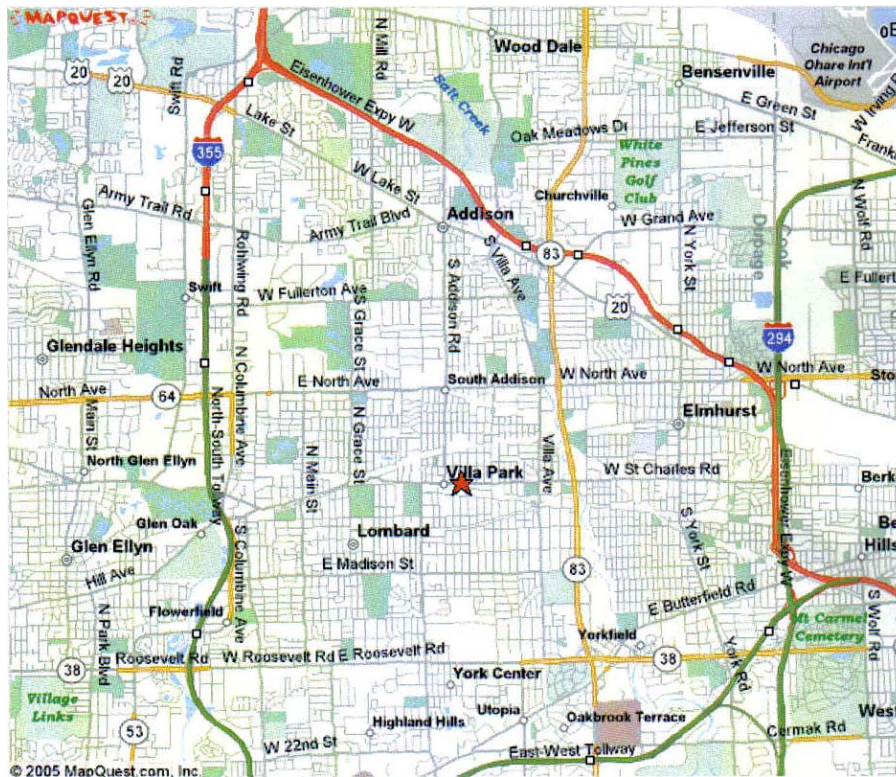
Send e-mail to mjm@packereng.com and include your name, phone number, ASME membership number, company name, address and choice of entree. If you do not have e-mail access, call (630) 505-5722, and leave a message stating this is a reservation for the ASME Tour on January 18th and include the above information.

Note : a great opportunity to share an interesting topic with your spouse or a friend.

DEADLINE:

Noon on Thursday, January 12, 2005. Please cancel if your plans change. Reservations not cancelled by the deadline may be invoiced cost of dinner. The talk will be limited to 50 people.

MAP:



CHICAGO AREA JOB OPPORTUNITY:

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