



Great Lakes Maritime Research Institute

A University of Wisconsin - Superior and
University of Minnesota Duluth Consortium

Quarterly Update

July 2008

Co-Directors: Richard D. Stewart & James P. Riehl

Great Lakes Maritime Academy visits the Port of Duluth/Superior

In May, the Great Lakes Maritime Academy made its third call to the Twin Ports. This year's focus of the visit was outreach to area educators. The Great Lakes Maritime Research Institute co-hosted a reception aboard the *T/S State of Michigan*, inviting teachers, counselors, and administrators from area schools. One of the training cadets aboard the ship is a graduate from Duluth's East High School. Even the weather cooperated for this year's event and many of the reception attendees were able to see the *T/S State of Michigan* depart the harbor at sunset for the journey back to Traverse City, Michigan.



GLMRI Co-Sponsors Workshop in Green Bay, New Affiliate Member to GLMRI

In May, Dr. Stewart was a key speaker at a workshop held at the Port of Green Bay to discuss the feasibility of an intermodal container facility at the Port. The event hosted eight speakers and an overflow audience of cargo owners, vessel agents, trucking companies, vessel operators, and government agencies. The University of Wisconsin-Green Bay has submitted the application to become an affiliate university of GLMRI.

Summer 2008 Proposal Review Underway

GLMRI received sixteen proposals from eight universities, requesting over \$1.1M of grant resources. We anticipate announcing the awards by the end of August. The funding is currently being worked through MARAD and final contracts will be pending until the funding is received at GLMRI.

Mark Your Calendars

The GLMRI Advisory Board meeting and Affiliate University meeting are scheduled for September 25 & 26, respectively. Contact Carol Wolosz for information.

FY 2008 Research Project Highlights

GLMRI K-12 Education Program (Michigan Technological University): Joan Chadde is in the final planning for the third Great Lakes Maritime Teachers' Institute scheduled for the week of July 20-25 in Duluth/Superior.

Ballast-Free Ship Design Gains International Interest: In the wake of the news release and video completed by the University of Michigan this spring, Drs. Parsons and Kotinis have been contacted by multiple parties concerning opportunities and interest in participating in the commercialization of the Ballast-Free Ship concept. Their research has received much interest – both nationally and internationally – including *Mechanical Engineering of ASME*, *The Naval Architect* of RINA, *Technisch Weekblad* in Denmark, and NPR's Environmental Report. Oral and/or email interviews have also occurred with *Surveyor* of ABS, *Discover* magazine, the Polish *Newsweek* magazine, and *Estuary* of the San Francisco Estuary Project.

Update on the Study of the Corrosion of the Steel Pilings in the Duluth-Superior Harbor: Dr. Randall Hicks reported that the DNA fingerprinting analysis was completed this past quarter on 36 bio-film samples collected from the steel coupons recovered from the Harbor in August 2007. The coupon samples will be collected again this summer to extract the DNA from the samples and the compared against the 2007 findings.

GLMRI Participation Key Outreach Events, Presentations, Meetings April – June 2008

- Great Lakes Navigation Stakeholder meeting, Stacey Carlson, Chicago, IL - April 23.
- GLMRI informational presentation to the UMD College of Science and Engineering's External Advisory Board, Carol Wolosz, Duluth, MN - May 9.
- St. Louis River Quest, Dr. Stewart and Stacey Carlson, Duluth, MN - May 14-16.
- Great Lakes Maritime Academy Visit, Duluth/Superior Harbor - May 18-19.
- GLMRI Co-Sponsored and Dr. Stewart presented at the Intermodal Facility Feasibility Workshop at the Port of Green Bay, WI - May 19.
- Duluth-Superior Maritime Day events - May 22.
- Presentations to the Marine Transportation System National Advisory Council, Dr. Stewart and Carol Wolosz, St. Louis, MO - June 2-4.
- Duluth-Superior Harbor Technical Advisory Committee meeting, Stacey Carlson - June 4.



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