



Great Lakes Maritime Research Institute

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

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

January 2011

Quarterly Update

(October – December 2010)

Thanks and Appreciation!

We extend our deepest appreciation to Congressmen David Obey and James Oberstar and their staffs for the years of support and backing of GLMRI. Without their efforts, we would not have been able to move the research agenda for maritime shipping and commerce in the Great Lakes region.

GLMRI on MARAD Study Team with ABS Consulting

In November, the Maritime Administration published the press release announcing a contract award to ABS Consulting of Houston, Texas, with Great Lakes Maritime Research Institute and other team members, to conduct a year-long study reviewing investment options for the revitalization of the U.S.-flagged Great Lakes fleet and related regional maritime infrastructure. MARAD's study will include an overview of existing market conditions, an inventory of the U.S.-flagged Great Lakes vessels and regional port infrastructure, an examination of private/public sector financing options, and a benefit-cost analysis for each of the investment options. For more information, contact GreatLakesStudy@dot.gov.

GLMRI 2010 ANNUAL REPORT

Coming to your mailbox soon

As I'm running a bit late in getting the quarterly report out, the annual report is at the printer. We plan to debut the report at the upcoming Great Lakes Waterways Conference (formerly Marine Community Day) in Cleveland, Ohio in mid-February. We greatly appreciate the updates from our advisory board members and university researchers. We look forward to your comments and feedback. With the late start on this past year's projects, the full research reports will be available on the web site later in the spring. If you need additional copies, or have address changes, please contact Jeannie Hartwick at jhartwic@d.umn.edu or (218)726-8651.

Extension of Maritime Education Programs Active in the Fall

Ms. Joan Chadde, Education Coordinator at Michigan Tech for the GLMRI Maritime education program conducted two weekend workshops. She conducted a workshop at the Great Lakes Maritime Historical Shipwreck Museum on Nov. 5-6 with nine educators participating from Wisconsin and Michigan. Carolyn Rock, a participant of the 2009 Great Lakes Maritime Summer Workshop, led a weekend program at Whitefish Dunes State Park in Door County, Wisconsin.

In addition to the workshops, four of the Maritime Education Chests were distributed for Great Lakes educational programs: Oshkosh, WI; Wild Rose Fish Hatchery (WI DNR) in WI; Racine Elementary School, WI; and Belle Isle Nature Zoo in Detroit, MI.

Extending the maritime education continues with Mr. Jay Sinclair, a teacher participant from the 2010 summer institute will be presenting a maritime update at the Michigan Science Teachers Association.



Registration Open for Summer 2011 Maritime Teachers Institute - June 20-24

Planning is underway for the 2011 program, for Door County Wisconsin. Features will include the Sturgeon Bay shipyard and shipping canal, lighthouses, and much more. Application deadline is May 13, 2011.

Key Outreach, Events, Presentations, Meetings

- Dr. Stewart attended the Great Lakes Maritime Academy's Board of Visitors meeting. Traverse City, MI. Oct. 6-7.
- Dr. Stewart attended the Intermodal Association of North America annual exposition at Ft. Lauderdale, FL. Nov. 13-17.
- Carol Wolosz presented an update on GLMRI education projects the Ship Operations Cooperative Program meeting and the Maritime Primary and Secondary Education Coalition meeting in Linthicum, MD. Dec. 7-9.

We'd like to extend our best wishes to Ms. Stacey Carlson. Stacey left GLMRI in December after working as the Associate Researcher for GLMRI at the University of Wisconsin-Superior since 2007. Thank you for your program support.

Mark Your Calendars

Great Lakes Waterways Conference,
Cleveland, OH 17-18 Feb

SNAME Section Mtg, Cleveland, OH
18-19 Feb

MARAD GL Stakeholder Meetings
Register by email: GreatLakesStudy@dot.gov
Cleveland, OH 15 Feb
Duluth, MN 23 Feb
Chicago, IL 25 Feb

International Assoc. of Great Lakes Researchers
Annual Conference
Duluth, MN 30 May – 3 Jun

Great Lakes Maritime Teacher Institute
Door County, WI 20-24 Jun

GLMRI Fall Meetings/Duluth, MN
Advisory Board 22 Sep
Affiliates Meeting 22-23 Sep

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Ship Operations Cooperative Program (SOCP) Meeting Update

Carol Wolosz participated in the SOCP meeting in December. Congressman Elijah Cummings (Maryland) provided an update on the activities of the Coast Guard Sub-Committee to the House Transportation and Infrastructure Committee. Carol provided an overview of GLMRI and an update on the educational programs at the meetings. Also, Carol/GLMRI membership was elected to the Operations Board of SOCP for the coming year.

Art Sulzer, Chairman of the Maritime Primary and Secondary Education Coalition set up a tour of the Philadelphia Maritime Charter School for the afternoon preceding the SOCP meeting. The school is located in northeast Philadelphia in the former US Army facility. There program has taken root in the community, and focusing youth toward careers in the maritime industry.

Research Highlights



On November 3, 2010, Jon Bostrom, Graduate Research Assistant for Dr. Randall Hicks' work on the port corrosion study, presented his thesis, "**Microbiological and Chemical Aspects of Corrosion of Sheet Steel in the Duluth Superior**

Harbor". Congratulations to Jon for completing his Masters Degree in Integrated Biosciences at the University of Minnesota Duluth.

Integrate Electric Plant design project continues to move forward. The research team at the University of Michigan selected the tow prototypes for this project: American Steamship's *M/V Walter J. McCarthy, Jr.* as the prototype for the 1000' Poe Lock Max vessel and American Steamship's *M/V American Maritime* the prototype for the 730' Seaway max. vessel. Dr. Michael Parsons will be presenting at both the Great Lakes Waterways Conference and the Society of Naval Architecture and Marine Engineering's section meeting in Cleveland.



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