



SNAME

SMALL BOATS, MARITIME CAREER GUIDES AND SNAME

Alexander C. Landsburg
T&R Program Coordinator
SNAME
Alexandria, VA



SNAME INTRODUCTION

- **Organized 1893**
- **International non-profit, professional society**
- **Membership (6,000 Individuals worldwide)**
- **Local sections and student sections**

SNAME Mission

Advance the art, science and practice of naval architecture, marine engineering, ocean engineering and other marine-related professions through:

- Exchange of knowledge and ideas**
- Education in engineering in the marine industry**
- Encouraging R&D in marine fields**

SNAME Activities

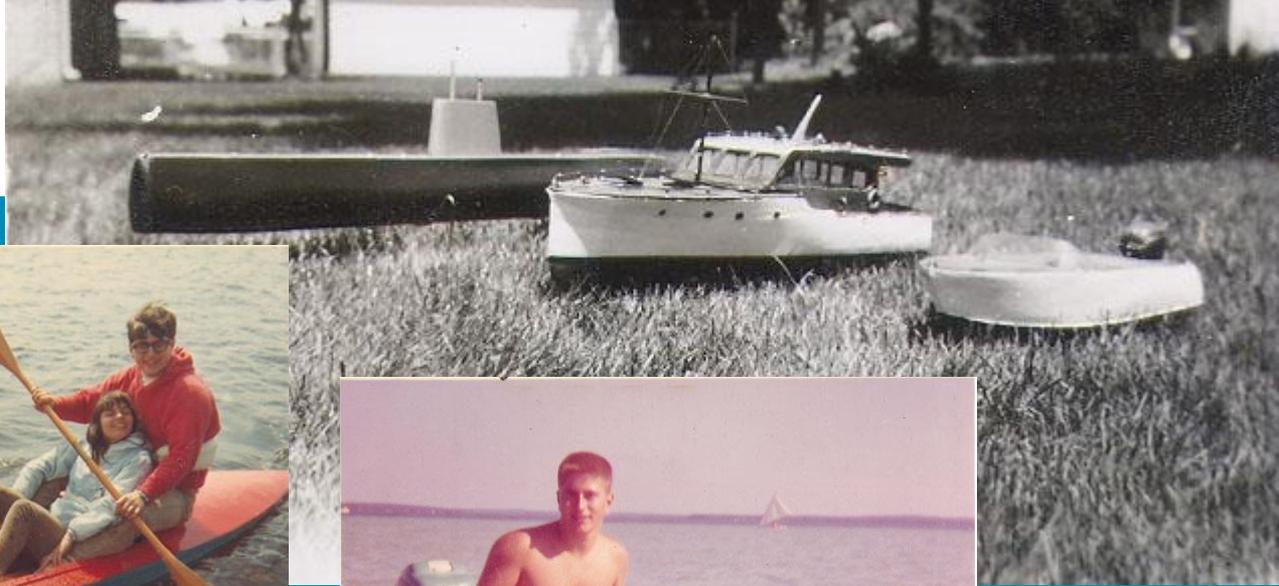
- **National and international conferences, symposiums, workshops, etc.**
- **Local Section meetings (usually monthly) involving presentation**
- **Technical and non-technical papers from activities**
- **Publications ranging from papers to books and Guidance-type Bulletins developed by Technical and Research T&R Committees and Panels**

SNAME MEMBERS

- Interested in things maritime
- Individual interests and desire to share knowledge and experience with others
- Majority started with small boats



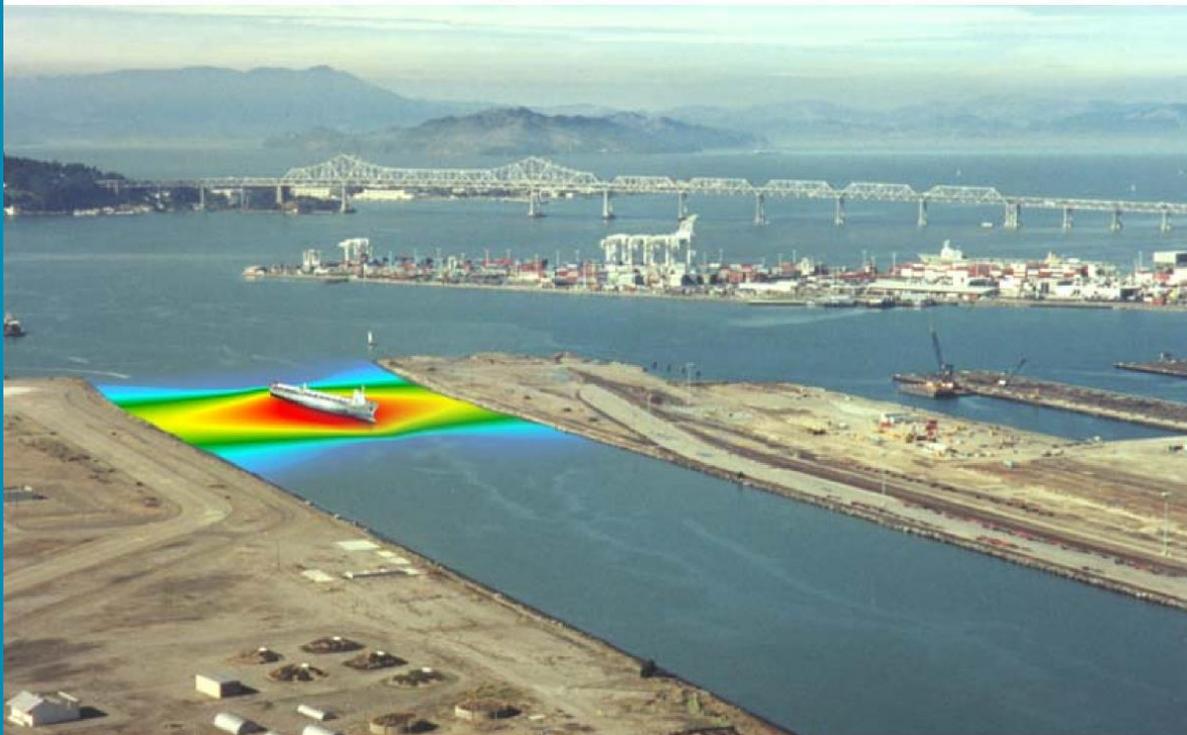
First Boat 9th grade



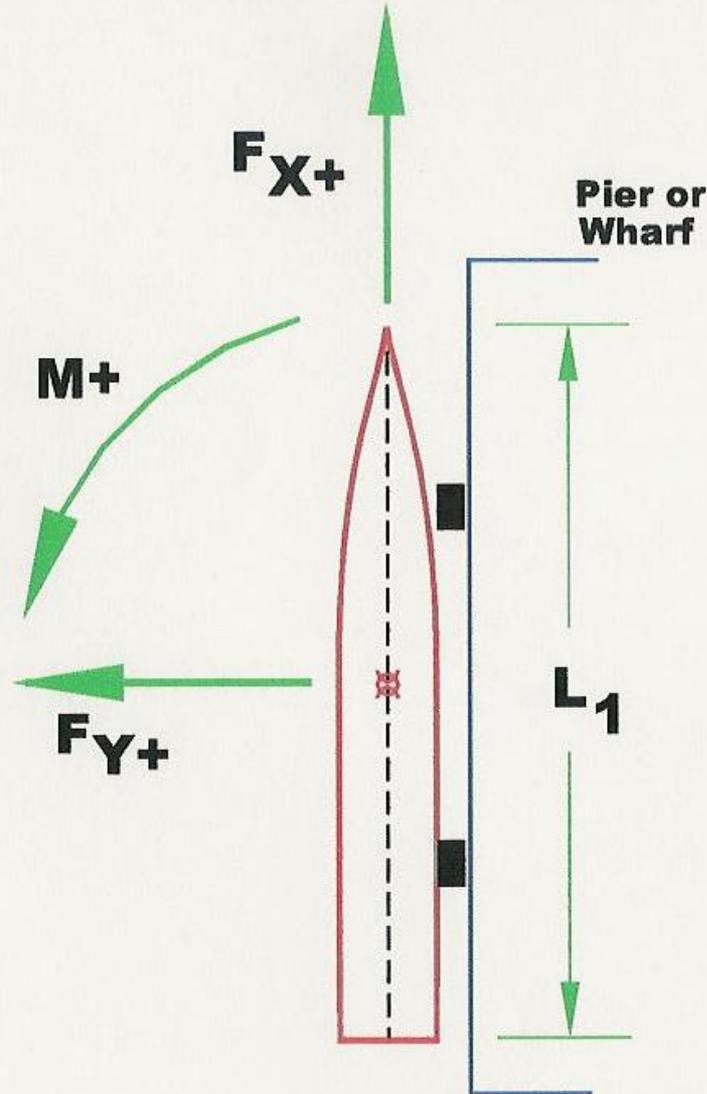
Career Interest in Design with Interest in Maneuverability



Hydrodynamics Effects of Passing Ships



Compute Surge, Sway, and Yaw Acting on Moored Ship



- Wind
- Current
- Tide
- Large ship passing
- High speed ship passing

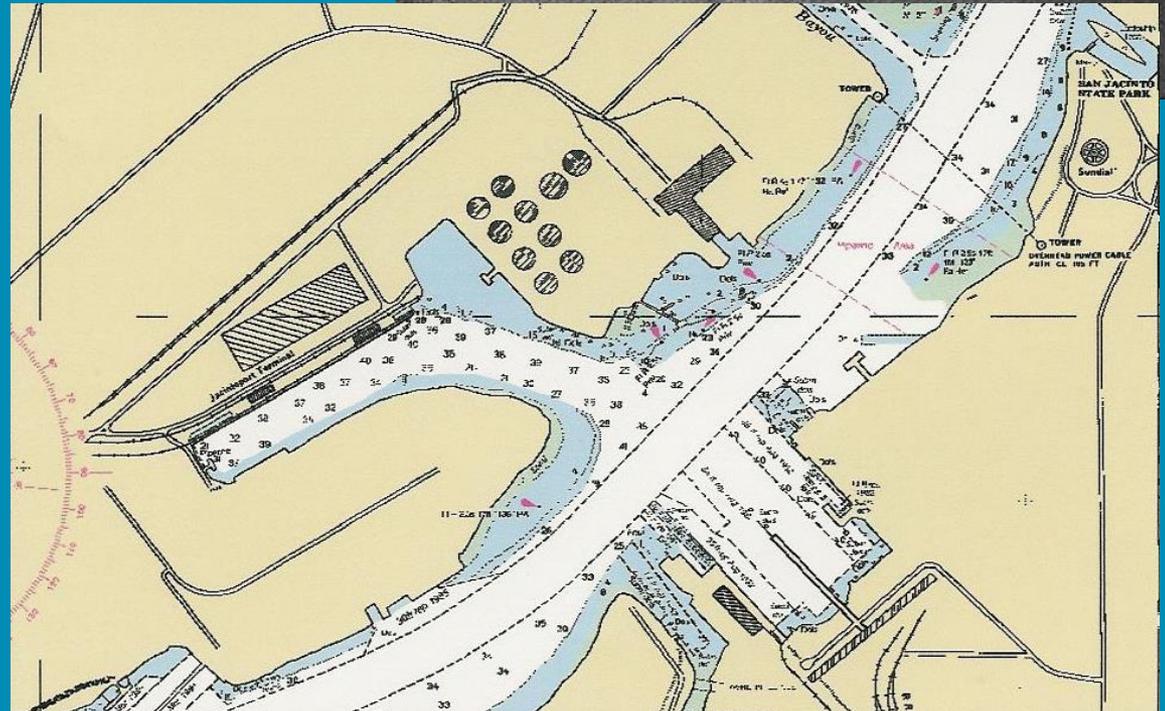
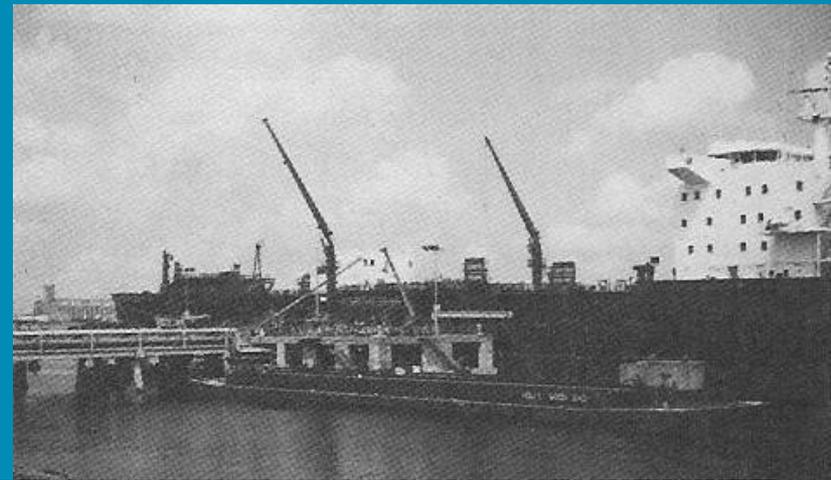
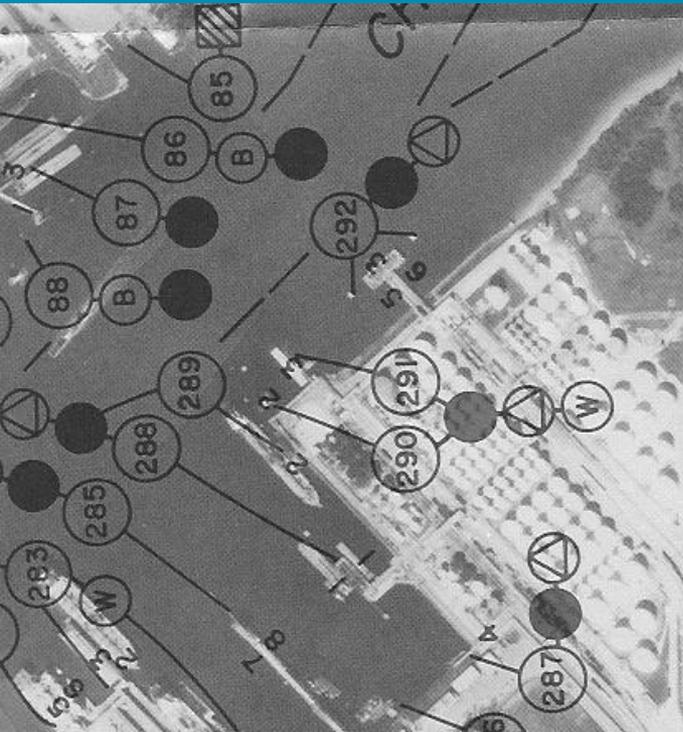
How is Mooring Done?



Mooring – the securing of a vessel to shore with lines and anchors to restrain its fore, aft, and rotational movement



Vopak Terminal, Houston, TX



Typical Mooring Systems



Partnering on Education and Career Guides?

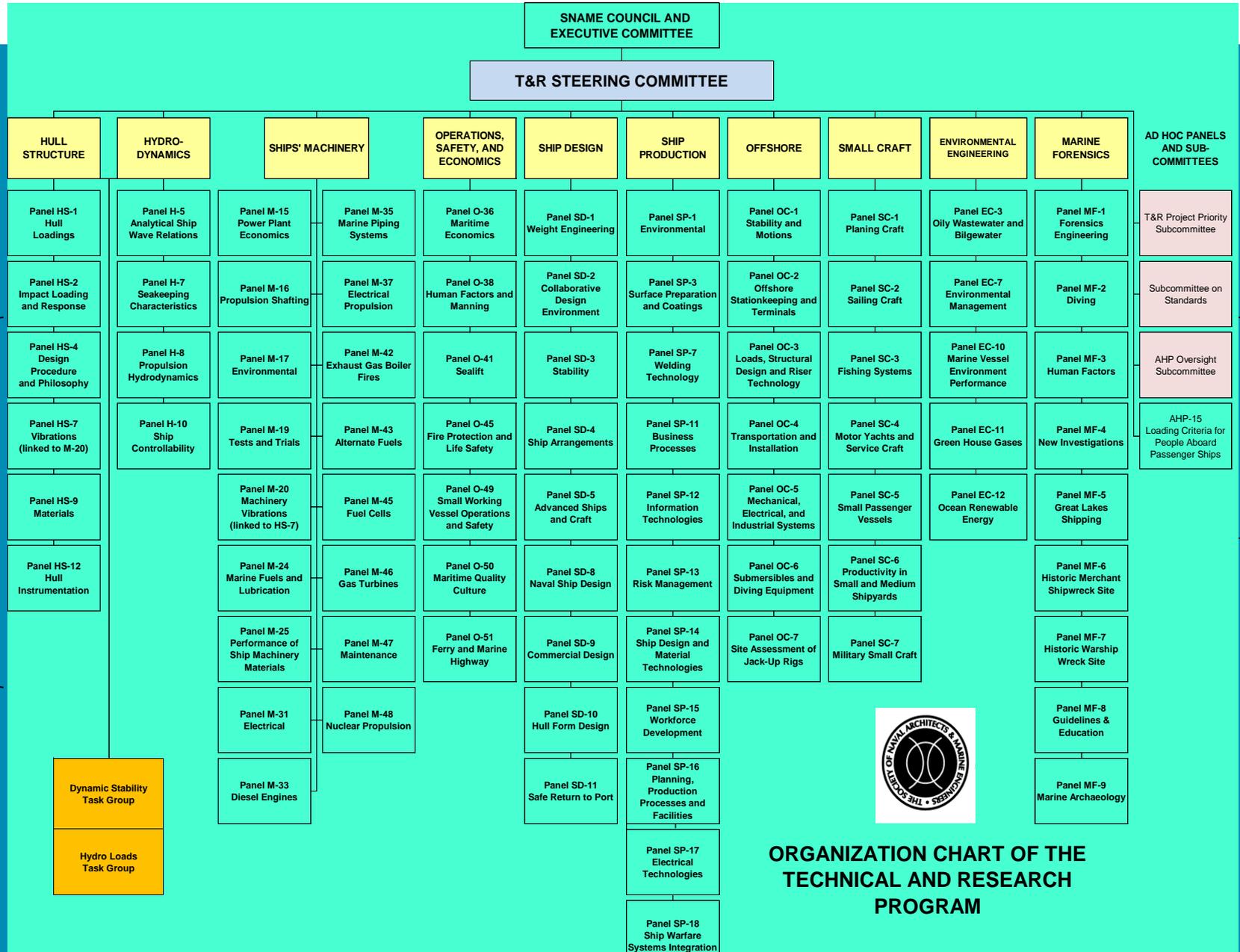
- **Local Sections (17) offer local/regional groups to assist with guide development**
- **SNAME members to help with education including wooden boat building efforts**
- **Alexandria Seaport Foundation**
- **Companies need employees and help**



Hands On Involvement and Guidance on Careers are VERY Important



Ten Technical & Research Committees



ORGANIZATION CHART OF THE TECHNICAL AND RESEARCH PROGRAM

Panels within Committees

Ad-hoc Panels / Committees

SNAME Technical & Research Committees

T&R STEERING COMMITTEE	Frederick Ashcroft
HULL STRUCTURE COMMITTEE	Roger Basu
HYDRODYNAMICS COMMITTEE	Eric Paterson
SHIP'S MACHINERY COMMITTEE	Richard Delpizzo
OPERATIONS, SAFETY AND ECONOMICS COMMITTEE	Jennifer Zeien
SHIP DESIGN COMMITTEE	Robert Keane Jr.
SHIP PRODUCTION COMMITTEE	Rick S. Spaulding
OFFSHORE COMMITTEE	James, Brekke
SMALL CRAFT COMMITTEE	Christopher Barry
ENVIRONMENTAL ENGINEERING COMMITTEE	Brian Ackerman
MARINE FORENSICS COMMITTEE	William Garzke, Jr. Sean Kerry (Vice Chair)
AD HOC PANELS, SUBCOMMITTEES, AND TASK GROUPS	

How to Do It?

- **Form SNAME T&R Panel to coordinate efforts**
- **Create local working groups with Section support**
- **Involve schools, industry, Government, revolving around the hands-on, involvement organizations (boat building, etc.)**
- **Local groups to focus and develop materials**
- **Apply some standardization and build sustainable interactive website**



Alex Landsburg
T&R Program Coordinator
SNAME

Alexandria, VA

alandsburg@sname.org

(703) 997-6715



SNAME

11.22.2002