

# Ultra.news

October 1996

Issue 4

## ***Come visit us... We're closer than you think!***

Right at your fingertips to be exact, for all you web surfers. We finally made it on the World Wide Web. Check out our people, projects and browse through past newsletters in **About Ultramarine**; see our software capabilities, demo and leasing information in **MOSES**; and find support numbers and agent listings by their names or territories in **Additional Information**.

We also have a section specifically designed for our users. Just click on **User Information** and you will find our 'Tools, Samples and Help' section, installation procedures for all types of networks, and information regarding the latest revisions to our software including a "bug-fixes" section. We have also designed an FTP button on our user page, thus making it easy for our clients to "pick up" information produced by Ultramarine rather than waiting for something by mail or fax. User Information, for some, will be of the utmost importance. We have always prided ourselves on being "just a phone call away", but with proper utilization of the information super-highway, we are now *less than* a phone call away!

Our web address is <http://www.ultramarine.com>. Employees in the U.S. offices now also have e-

mail. To send an e-mail to someone, our addresses are:

- Ray = [ray@ultramarine.com](mailto:ray@ultramarine.com),
- Curtis = [curtis@ultramarine.com](mailto:curtis@ultramarine.com),
- Roger = [rogerb@ultramarine.com](mailto:rogerb@ultramarine.com),
- Georgina = [georg@ultramarine.com](mailto:georg@ultramarine.com),
- Jennifer = [jennifer@ultramarine.com](mailto:jennifer@ultramarine.com) and
- Pattie = [pattie@ultramarine.com](mailto:pattie@ultramarine.com).



If you have any comments or suggestions, you may either use e-mail or let us know via the **Leave us a Comment or Question** icon on our home page. For aesthetic purposes, we recommend using Netscape 2.0 or a later version. Enjoy.

## **In the News...**

**Come visit us** - By way of the information superhighway, we're just a click away!

**Our Feature Presentation**- The woman who never forgets an invoice

**MOSES Revisions** - What you have to look forward to in our software

**Frequently asked questions** - and answers, right when you need them

**Recent Projects** - Using MOSES

# Our Feature Presentation

For this issue, I have chosen to write about one of our "behind the scenes" people. The one who quietly sends out invoices, deals with the banks and accounts, prepares the budget, does the payroll and all around keeps the company financially sound. Most importantly, this is the person who does a ton of work with very little gratitude. If you know Ann Nachlinger, you will realize all this is true, except for the quiet part. Although she does not work here in the office, her presence is definitely known.

Ray and Ann made their dream a reality back in 1978 when they started Ultramarine; and with a degree in math and propensity for working with numbers, Ann made sure the books were in check. There were stacks of ledgers ten feet tall in her office at home, but they have now been replaced by one computer where she stores all her information.

In addition to her responsibilities and dedication to Ultramarine, she is also on the Im-

provement Association Board for their neighborhood as treasurer. Some of their accomplishments include speed bumps on the streets to dissuade cut-through traffic and people speeding through the neighborhood, a playground and children's park in the neighborhood and a new parking lot at the clubhouse for pool members.

So how does she do it all? She has basically dedicated her life to improving on it. Ultramarine has been in business successfully for almost twenty years and she has given her community 110 percent of her time and effort to make it a great place to live. And to top it all off, I hear that she's a great mom, too.

Remember folks, this is the woman whose favorite quote is "Teamwork is a bunch of people doing what I say"! So get those checks in and for all of you with delinquent accounts

**BEWARE!!!**

## *Recent Projects Using Ultramarine Software*

- Two transportation analyses of a jacket and deck structure in Main Pass block 223 at a water depth of 269 feet and in South Timbalier block 229 at a water depth of 228 feet. The work was performed using MOSES by Mustang Engineering. These analyses included API structural code checks and upend analyses for the jackets.
- MODU Upgrades - PMB / Bechtel has used ISAAC extensively to perform configuration studies and stability analyses for the upgrades of a number of different types of MODUs and vessels. Sponson additions, allowable KG curves, ballasting and preload calculations have been performed for a submersible to semisubmersible conversion. The upgrades of several semisubmersibles and jackups and the development of a crane barge were also performed.
- Transportation analysis performed by Mustang Engineering for Mobil's Usari Project. MOSES was used for structural analyses of 6 jackets, 6 decks, 6 bridges and a fatigue analysis of one of the decks.
- Trans. analysis of a 5500 ton deck for a trans-Atlantic tow, including API code checks.
- Transportation analysis of a jacket and deck structure for a 242 foot water depth platform. Parametric studies were performed to evaluate various transport barges.
- Wind force estimates from MOSES agree with wind tunnel test results performed by Hudson for Chevron's SPAR structure.

# Frequently asked Questions... ...and Answers

Q: How can I remove all viscous damping terms in the damping matrix when computing RAO's?

A: Do not include any Morison elements, #PLATE or #AREA commands. Also, the Tanaka damping must be turned off using the A\_TANAKA BNAME NONE command.

Q: I am using ED\_ELEM to modify offsets for a beam. The beam was originally defined with local offsets, and now I want to specify global ones. Why do I get the error message "Cannot Compute Offsets for Beam"?

A: Offsets are additive. Specify -LO@ 0 0 0 and the command will work.

Q: I ballasted compartments of a barge using &COMPART -SLOSH -PER :TSEL 100. The status report shows no free surface correction, which is normal since -SLOSH computes the exact CG of fluid in the compartments. When I use

&COMPART -FLOOD TNAME1 to evaluate damage, and then &COMPARTMENT-NO\_FLOOD TNAME1, the free surface correction shows up in the status report. Why is this?

A: All options for &COMPART must be preceded with -SLOSH in order for the slosh flag to remain active. Any &COMPART command not using this resets the slosh flag to inactive. Thus one should use &COMPARTMENT -SLOSH -NO\_FLOOD TNAME1.

Q: I am performing a launch analysis using a barge with double rocker arms. Why do the X and Z coordinates of the second rocker pin from the &STATUS G\_LWAY report not match what I expect?

A: These coordinates are with reference to the first rocker arm, after it has rotated the maximum amount specified by the user.

## Revisions to MOSES

### Rev. 5.04 due out this Fall

REV 5.04 is difficult to describe. With regard to the basic operation of our software, not much has changed. On the periphery, however, little is the same. Two of our long term goals are at the root of the differences: a common release for all operating environments, and better support for our clients. As for better support, we now have a WEB site. Yes, we have the normal advertising there, but more importantly, we will post the most current version of our software. Also, we keep a current list of all fixes in the software for this release. Thus, if you are having a problem, you can have an immediate fix, provided you have INTERNET access.

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## Ultramarine Welcomes New Users

- MPC International  
Houston, Texas

- TECON srl  
Milano, Italy

and we would like to offer  
a belated welcome to:

- Dawson Group  
Perth, Australia

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In keeping with the INTERNET theme, we have completely changed the way you now use the tools we provide. Our entire WEB site is now part of the release, and you can browse it (with a browser we provide) locally. A major part of this is information on how to use the software, documentation, and the various models we supply. In the past, you had to issue "cd /ultra/data/tools/vessels/barges" and then "dir" to see what barges were in the barge file. Now, you simply say "look", click on tools, samples and help, and follow the instructions. Manuals are now available and ready for printing, and many things that were not documented now have browsable documentation.

With this release, the default release medium is a CDROM. For our PC users, this allows us to ship all of this new information without you having to spend a lifetime reading and changing diskettes. Also, for the first time, one can now freely mix PCs and unix workstations in a TCP/IP network, and (hopefully) we will have a version which runs under WINDOWS/NT.

## Helpful Numbers

### Ultramarine, inc.

Phone:	1-713-975-8146
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### Ultramarine, Europe

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