

B/W Chapter of SAMPE News Letter



From a fantastic trip to the Allison Transmission Plant last month to Sail Boat Racing this month? Note the airfoil shape to that genoa! That's built in during the sails design, material selection, weave selection, weave direction, each piece's geometry and the pieces fabrication into a very sophisticated sail. You will have the opportunity to attend a tour of the local loft of the Quantum Sail Design Group (QSDG) in Annapolis.

TALK/TOUR: Wednesday, June 11, 2003

WHERE: Quantum Sail Design Group; 951 Bay Ridge Road; Annapolis, MD 21403, USA

HOST: Doug Stewart

ABOUT QSDG: Quantum Sail Design Group founded in 1996 is head-quartered in Annapolis MD USA and has quickly grown to become the world's second largest sail-maker. Quantum designs, engineers, and manufactures sails for racers and cruisers who demand the highest levels of quality and performance. Quantum sails are available through 54 affiliate lofts located throughout the U.S., Australia, Canada, the Caribbean, Europe, the Pacific Rim, South Africa, and South America.

With the support of the Maryland Industrial Partnerships (MIPS) program, Quantum has been able to partner with the University of Maryland's Glenn L. Martin Wind Tunnel, developing the first U.S.-based testing capabilities for downwind sails. Technologies developed through this on-going research project have been instrumental in Quantum's corporate success. Results have been integrated into all of the company's off-wind sail products, including a complete line of revolutionary new asymmetric spinnakers called the Renegade Series.

It is anticipated that several new sails will be under construction for Zephyrus V (ZV), during our visit. The ZV is a ground breaking custom 86 rocketship, arguably the fastest monohull on the planet. Quantum's sails flawlessly powered Zephyrus V to first-to-finish honors at the 12th Biennial West Marine Pacific Cup in her very first start last Summer. She recently broke the elapsed time record during the 26th Biennial Pineapple Cup Montego Bay Race, smashing the long standing record set in 1971 by Windward Passage.

DIRECTIONS: From Washington: pick up US -50 east to Annapolis. Follow US-50 to Exit 22. Pick up MD-665 (Aris Allen Blvd). On the exit ramp for MD 665 get in the left hand lane. Avoid the Riva Rd part of the exit ramp. Allen Blvd turns into Forest Dr which continues to be MD-665. Hang on! Forest Dr turns into Bay Ridge Rd. **At this point make sure you are in the left lane.** QSDG is 2 blocks further on the right hand side, right across the road from the Bay Forest Shopping Center containing a Giant Food Store. However, parking is very limited. You are in the left hand lane to turn left at Edgewood Rd, the light right after Quantum. Turn left into the shopping center. Turn an immediate left into the parking lot and go to the Bay Ridge Rd side of the parking lot. Park there. Proceed to the Edgewood/Bay Ridge Light's cross walk. Go across to the Quantum office. Machen Sie schnell. Bitte! I don't want to go out with a blotter.

From Baltimore: pick up I-97 off of I-695. Follow to US-50 east. In a little over a 1/2 mile, you will pick up the same MD-665 as those coming in from Washington. Follow their directions.

AGENDA: 5:30 - 6:00 Meet in the lobby of QSDG
6:00 - 7:30 Talk/Tour
8:00 - Finish Dinner at the **Cantina D'Italia**

DINNER: After the Talk/Tour, a social dinner for those wishing will be held

WHERE: Cantina D'Italia; Annapolis MD

DIRECTIONS: Go back the way you came on MD 665 (Bay Ridge Rd) to Chinquapin Round. That's right - Round. Follow Chinquapin Round to the intersection with West St MD 450. Turn left onto West St. Get in the left lane. Follow West St to Defense Highway. Turn left at the light. Follow Defense Hwy to Lubrano Dr. Turn right the n turn into Cantina D'Italia's parking lot.

MENU: Entrée options:

- **Salmon Alla Chef - Fresh salmon baked in an olive oil, garlic, white wine sauce, with capers, roasted red peppers, shallots, topped with mussels and crabmeat.**
- **Chicken Roletini - Chicken Breast stuffed with prosciutto and mozzarella cheese, herbs, spices, topped with mushrooms in a pink cream sauce.**
- **Veal Saltibocca - Veal scaloppini topped with fresh spinach, prosciutto and fontina cheese in a white wine sauce.**

Entrée include seasonal salad, pasta course, fresh sautéed vegetable, homemade bread, choice of coffee, tea or soda, Italian Dessert

COST: Members & Spouses - \$25; Students - \$10; Non-members - \$40. **CASH BAR!**

RSVP: by COB Friday 06/06/03 to Matt Fox at: Ph, 301-405-1930; e-mail, mfox@eng.umd.edu. Three items required from each: Attending Tour? Attending Dinner? If so, Entrée Choice?

NO SHOWS: If you sign up for the dinner and can not attend, please let Matt Fox know by Wed Noon 06/11/03. We have to pay for the dinner whether you're there or not. We will bill those who do not show full price.

SPONSORS: As always, we hope that you will call on all of our sponsors. They all have fine products and, above all, excellent services.

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02 / 03 OFFICERS

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would you like us to present? Let us know! You have a particular manufacturing plant that you would like to tour, we'll try our best to get a tour! Get us a name and address and we'll go after it!

STUDENT CORNER: The B/W Chapter and it's affiliated Student Chapters were well represented in all of the SAMPE Educational Programs for the year of 2003. All winners are to be congratulated. These programs have tough competition.

UNDERGRADUATE AWARDS: Lola Burke (WVU) and Jennifer Egolfe (UDeI) won a \$1000 each.

UNIVERSITY RESEARCH SYMPOSIUM: In the Senior category, Sadie Michael (UMD) won the trip to Long Beach and pocketed \$500 as well. In the PhD category, Zonghong Xie won the trip to Long Beach and came home with \$400.

UP COMING EVENTS: Let's have a review of what this group of officers have presented this past year for your edification. As I said last month, many of you have taken advantage of the offerings but most didn't. Those that didn't are the losers.

TECHNICAL PROPOSAL PROGRAM: Both the Delaware and the Maryland Chapters garnered \$1000 awards each for their technical programs that they were pursuing during the 02/03 school year.

| DATE | PROGRAM | ATTEND |
|-----------|---|--------|
| 09/18/02 | Tour of UDeI's Center of Composite Materials | 18 |
| 10/09/02 | Tour of Alcore's honeycomb core manufacturing | 26 |
| 11/4-8/02 | 34 th ISTC! What a successful program! | 635 |
| 12/11/02 | Recovery! A nice holiday dinner social! | 16 |
| 02/12/03 | Annual Student Nite! As usual, very successfull | 40 |
| 03/19/03 | Tour of JHU-APL's Mercury Spacecraft "Messenger" | 42 |
| 04/09/03 | 24 th Annual Vendor Nite! What can I say? | 109 |
| 05/21/03 | Tour of GM's Allison Transmission Plant | 30 |
| 06/11/03 | Tour of Quantum Sails Design Group - BE THERE! | |



Your officers will be taking the summer months off. I'm sure that they will present a fine program next year for you review and most import your continuing education. Next meeting will be Sept 10, '03. [What](#)