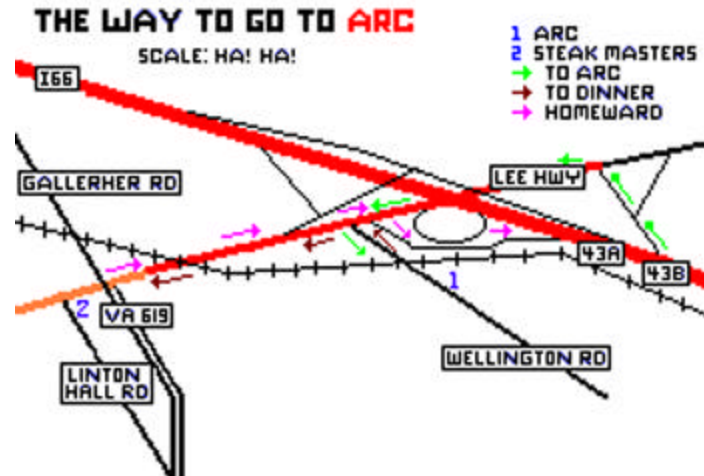


B/W Chapter of SAMPE Newsletter

TOUR: Wednesday, March 13, 2002

WHERE: Atlantic Research Corporation's 3D Braiding and Filament Winding Facilities

DIRECTIONS: Go around the **Capitol Beltway – I 495 to I 66**. Head west on I 66 to Exit 43B. Turn left on Lee Highway – VA 55. Turn Left at the 1st light. It's Wellington Rd. Cross railroad tracks. ARC is just passed the tracks on the left. Turn left at the 1st building, Bldg 300, which is shown in the photo. Park near the flag pole and come inside to be escorted to the start.



The map and directions are for the vast majority that are coming from the Baltimore /Washington area. For those of you coming from the south or west. Tie into I66 somewhere in your travel to hit the Manassas/Gainesville Virginia area. For those coming in from too far a distance for return that night. A list of motels that are fairly good are available by contacting Jim Bell, jimbell864@aol.com.



Bldg 300

DISCUSSION: Let me tell you about ARC and Dick Brown who will be our tour host 03/13/02. ARC and Dick have supported our B/W Chapter to the hilt. Two projects that they supported us on weren't too enthusiastic. In fact one was a solid, for sure flop. A group of us had attended the '98 ISS&E and came back enthusiastic about the design building and repair of bridge structures. We decided to put on a Show and Tell Program on the M&P of Bridge Building and Repair for the local ASCE (Civil Engineers). We put together a group of 14 exhibitors of the latest materials, tooling, processes, and manufacture of bridge components. They were the tops in their field. We sent out letters to 2000 ASCE members inviting them to attend. Most of our own people didn't show, feeling they would be in the way. Yeh! Four ASCE members showed. Dick was there with all of his bridge building and repair dog and pony show. He even brought a full section of a bridge roadway with him and set it up so anyone could walk across it. Fortunately the show was at the UMD's Composites Research Laboratory. Dick was able to drive his van right in to make his set up. It was a show of shows - a total bust. Dick was there. His remark to me afterwards was, "You wins some and you loses some!"

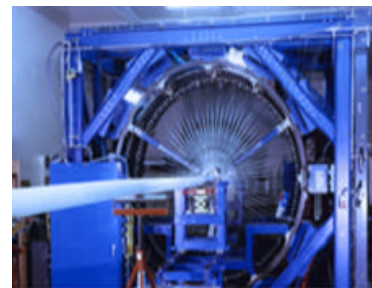
The second was a program to introduce resin transfer M&P to PAX River. We had about 25 SAMPE members at NAVAIR. We wanted to give them a chance to have a SAMPE event on base and then a dinner afterwards. We again put a crew of M&P people together

starting with the type of resins, preform design and manufacture, resin transfer tooling design and manufacture, the resin pumping systems, people who did the actual part manufacture, and finally the actual scrimping of a part. We had 20 people from B/W region, who were interested in both the Program and NAVAIR, we had 32 Exhibitors, we had 7 from NAVAIR four of whom were guides. All of us showed up for JHUAPL's Paul Wienhold's demo on scrimping a part. Even the old harden exhibitors attended that. Dick had his 3D Braided preform show with him. Dick's comment, "You loses some! Few wins!"

However, we have had some silver linings in all of this. I still hear remarks about the 3D Braid from the 30 so people that attended the first tour of ARC on 03/12/97. That was one of the most interesting tours that we have ever taken. 30 people traveling quite a ways out from the norm. Well, your going to do it again - one day shy of 5 years.

Dick has prepared a program that will entertain and educate you with the latest in preform and resin transfer technologies; introduce you to state of the art filament winding; show you some of the latest in bridge building technology; plus a new wrinkle in ARC's rocket motor technology - a rocket for propelling a sled at 7000 mile per hour - over a mile and half per second. We present a pictorial review of the new ARC Tour.

The bridge bed is being placed on a bridge on I-81 in Virginia.



3D Braider



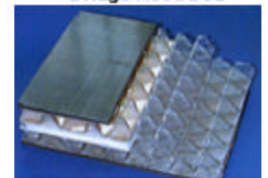
6 axis Filament Winder



Rocket Sled @ 10 Mach



Bridge Road Bed



Blast Protection Panel

AGENDA: 5:30 - 6:00 Sign in
6:00 - 7:30 TOUR
8:00 Dinner

DINNER: After the tour, a social dinner for those wishing, will be held. In your **RSVP**, please indicate whether you will be attending the dinner

PLACE: Steak Masters; 7518 Linton Hall Rd, Gainesville VA

DIRECTIONS: See map

MENU: This is a most unusual restaurant. They have a huge salad bar. After serving yourself at the salad bar, they bring on skewered meats including NY Strip, top serloin, serloin steak, beef ribs, roast beef, shirts steak, pork loin, chicken, turkey, sausage, lamb, broiled salmon - all unlimited.

COST: \$17 to members and guests; \$ 7 to students

RSVP: by COB Friday 03/08/02 to Matt Fox at: Ph, 301-405-1930; e-mail, mfox@eng.umd.edu. Needed info from you: 1.) Tour; 2.) Dinner.

UP COMING EVENTS:

April 10th: Our Annual Bash - VENDORS' NITE at the Goddard Rec Center. Need I say more. At the writing of this we have 17 Exhibitors on board. We can fit 20. Not much room left. It's 1st come 1st served. So don't be one of the Exhibitors left out. Oh! If you miss, you are welcomed to come and join us as a spectator, but not as a participant!

May 8 TBD Have any of you got a good suggestion?	June 12 TBD Have any of you a good suggestion?
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