The team from the left: Dr. Norman “Doc” Asper, Tom Batten (soph.), James Zellman (Sr. Designer/Builder), Mandy Newman (2000 team), Michael Yack (Sr. Designer/Builder), Mireille Kimberly (2000 team), Gregg Bonstein (2000 team)

The following photo gallery chronicles the events leading to The College of New Jersey’s Engineering Department’s initial entry into the 1999 Solar Splash competition in Milwaukee, WI.
Microsoft Publisher includes thousands of clip art images from which you can choose and import into your newsletter. There are also several tools you can use to draw shapes and symbols. Once you have chosen an image, place it close to the article. Be sure to place the caption of the image near the image.

Selecting pictures or graphics is an important part of adding content to your newsletter. Think about your article and ask yourself if the picture supports or enhances the message you're trying to convey. Avoid selecting images that appear to be out of context.

Inside Story Headline

Divers or improvements to the business. Sales figures or earnings will show how your business is growing.

Some newsletters include a column that is updated every issue, for instance, an advice column, a book review, a letter from the president, or an editorial. You can also profile new employees or top customers or vendors.

The subject matter that appears in newsletters is virtually endless. You can include stories that focus on current technologies or innovations in your field. You may also want to note business or economic trends, or make predictions for your customers or clients.

If the newsletter is distributed internally, you might comment upon new procedures or improvements to the business. Hull design from MultiSurf

One benefit of using your newsletter as a promotional tool is that you can reuse content from other marketing materials, such as press releases, market studies, and reports. While your main goal of distributing a newsletter might be to sell your product or service, the key to a successful newsletter is making it useful to your readers.

A great way to add useful content to your newsletter is to develop and write your own articles, or include a calendar of upcoming events or a special offer that promotes a new product. You can also research articles or find “filler” articles by accessing the World Wide Web. You can write about a variety of topics but try to keep your articles short.

Much of the content you put in your newsletter can also be used for your Web site. Microsoft Publisher offers a simple way to convert your newsletter to a Web publication. So, when you're finished writing your newsletter, convert it to a Web site and post it.

Hull design from MultiSurf
The Catamaran Hull Fabrication

Full size CADD plot from MultiSurf

James & Mike Cutting plug keelson profile
James setting the keelson for the hull plug.
Foam formed over plug - joints bonded and filled, ready to be glassed.

James prepping plug to lay-up the platform which will connect the two hulls of the catamaran.

Platform, ready to be bonded to hulls.
Would you believe 16 pounds?

Both hulls fitted from plug.

Platform fitted to hulls with bulkheads in place.
Platform with Polaris steering, motor control, pot mechanism, and 1 of 2 battery boxes.

Motor controller

"Pot Box" mechanism to match Polaris throttle.
Trimming the AVB foam from the filled compartments.

Sealer/Primer applied to hull.
Solar array deck frame in place.

Foam base for Solar Array Deck, glassed, with pods for mounting solar panels.

Solar panels fitted to rear deck.
The Power Units

James and Michael are testing the endurance motor.

Interchangeable motor heads.
The spring motor configuration

Endurance motor configuration.

Both motors in “quick change” frame w/props.
Final Prep and Testing

Mike and James with Joe Petrella, the freshman designer and fabricator of the "Launching Dolly."

Loading boat on dolly for first water test.
James in the boat for the first time on the water. Michael pushing off.

Both James and Michael in boat – broken steering, but it runs well.

James in boat – sprint configuration.
Mandy and Tom wiring the solar arrays.

Mireille prepping display boards.
Solar Splash ‘99
Milwaukee, WI       June 16 – 20, 1999

The team in Milwaukee - from the left, Mireille, James, Michael, Greg, Mandy, and Tom.
Michael after second fastest time in swim test.

James with the long dive in the swim test.

Some of our sponsors.
Finishing the qualifying run in the sprint configuration.
Designed to Make Waves

Twelve teams from 11 schools took part in the 1999 Solar Splash, the annual solar boat competition. This year, teams represented institutions from the United States, Japan and Puerto Rico (front). For event results, see story on page 4.

Return to Norm Asper’s Web Site