

## Upcoming Programs

### Next Week:

**SURPRISE !!**

**August 25**

PDG Dave Drislane & Topsfield Guru Harry Martin

EVERY ROTARIAN  
**US \$100**  
EVERY YEAR

## Rotarians & Family Volunteer at My Brother's Table

Our 2005-2006 Theme



**SERVICE Above Self**

### Monday Night

was a busy night at the table and we had a good showing of club members come to help out!

Past President Ilia Stacy greeted everyone warmly as the many tasks were assigned for the evening. 220 guests were served including a few children.

Dave Richardson took a couple of snapshots with his cell phone camera - you can see these yourself!

Participating were: Virginia Doocy Maryanne Rooney,



Jim Harris, Arthur and Janice Horgan (our leader for the

evening), Connie Colom, Maria Bazzi, Dave Richardson, Ron Johanson, Bob and Phyllis Kennedy and Phyllis' sister Lois Donovan, Jo Ann Noyes, Rich Cuffe, Gene Hastings and of course general manager Ilia.



### President Virginia

told us a bit more about our Rotary Foundation programs and reminded us that this year we will be working as a team with the Rotary Club of Marblehead Harbor as hosts to the GSE Team from the Netherlands.

Please think of some good vocational spots in the region that the team could visit and learn more about American business!!

Group Study Exchanges are wonderful tools for mutual understanding among peoples of different countries - it is one of Rotary's outstanding programs and is becoming more popular every year. World Peace and Understanding has always been a goal of Rotary!!

### Nick Sarantopoulos & Assistant Governor Linda Williams

presented an excellent review of Wednesday's district membership seminar at the Danversport.



They felt it was a worthwhile event and they were impressed with the professional presentations they heard. Comments heard were that Rotary should strive to increase the diversity in its membership - now it is mostly all-white. Don't let obstacles discourage you - people that "don't have the time" are the people you really want, they are busy and active & potential Rotarians! "Wear your Rotary pin - create awareness!"

### Rockport's Lobsterfest

is Saturday August 13, 12 - 6 PM rain or shine! Hot boiled lobster, corn-on-the-cob, roll, clam chowder, beverage and watermelon! Tickets and information at [www.rockportrotary.org](http://www.rockportrotary.org)

### Gloucester Harbor Boat Trip

There will be a Gloucester Harbor Boat Trip Tuesday August 16th sponsored by Gloucester Rotary.

Anyone wishing to go is asked to contact Jim Marr at [james@marr@verizon.net](mailto:james@marr@verizon.net) or [don-sudbayjr@sudbay.com](mailto:don-sudbayjr@sudbay.com) to register. Act soon, as bookings are limited. The cost is \$20.00 per person, incl. dinner.

### Our Raffle

started again with guest Jerry Bovardi and Rich Brangiforte scrambling for a \$23 pot!

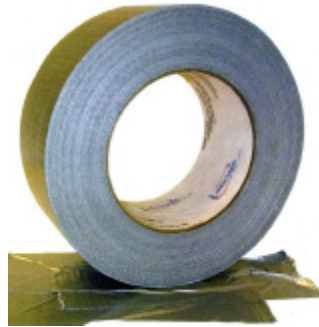


## Table Talk - Duck Tape !

No, not pies, at your editor's table things progressed to discussing our space program, wonderful inventions and then to Duck Tape! What is the history of its creation?

Here is some background from the Summer 2003 issue of *Invention and Technology* magazine.

For many Americans, duct tape represents the quick and easy way to fix things. It is the Great Enabler of home repair, allowing people to patch or mend things, if only temporarily, with a minimum of time, skill, and effort. The original olive-drab version of the tape was developed during World War II for a specific purpose: The military needed a tough, waterproof adhesive tape to seal ammunition cases and other containers.



At Permacell, a division of Johnson & Johnson, a research team led by John Denoye and Bill Gross set to work on a cloth tape that would be similar to surgical tape but tougher and water-resistant. They came up with a strip of cotton-mesh cloth coated with a polyurethane sealant on one side (making it waterproof and allowing the tape to be peeled off the roll) and a thick coating of rubber-based adhesive on the other. According to an undocumented tradition, military personnel called the stuff duck tape, either because water rolled off it or because of the layer of cotton "duck" cloth that formed its base. The amphibious vehicle known as the "duck" {from DUKV, the manufacturer's classification code} may also have something to do with the name. Its use on ammunition cases led to another name, gun tape.

What made duck tape unique was its combination of a strong pressure-sensitive adhesive with a backing that could be torn by hand. Among countless applications, soldiers used it to mend boots, patch holes in tents, and strap equipment to jeeps and tanks. During the postwar housing boom ex-GIs found that duck tape was handy for sealing joints and insulation on ventilation and air-conditioning ducts. It changed from khaki to the familiar silvery gray and was christened, or re-christened, *duct tape*. Many people still call it duck tape, presumably because the two phrases sound almost identical. In the 1980s the Cleveland-based firm of Manco, Inc., capitalized on the persistence of the original term by marketing its tape under the registered trademark Duck tape.

Not all duct tape is the same. The cheaper brands tend to be thinner, with a more dilute adhesive and a backing of vinyl or polyethylene laminate on a loose-woven fabric scrim. HVAC professionals wouldn't touch the duct tape sold in most hardware stores, and manufacturers of consumer-grade duct tape would never suggest that you use the stuff on actual ducts. HVAC-grade tape, which can sell for more than \$20 a roll, is thicker and has a greater tensile strength {since its backing has more threads per inch}.

The versatility of duct tape is legendary. Astronauts in the crippled *Apollo 13* space capsule used duct tape to improvise a lifesaving carbon dioxide filter. Duct tape is standard equipment on the space shuttle and the International Space Station. According to a testimonial on the Manco Web site, mechanics once used duct tape to temporarily patch a small hole in the windshield of a passenger jet.

A technical note from the Pressure Sensitive Tape Council cheerfully observes that duct tape is a "favorite tape of criminals". In Louisiana and Mississippi, duct tape is an indispensable tool of alligator hunters, who use it to wrap a gator's mouth and keep it from biting. Special varieties of duct tape are manufactured for race cars and for use by U.S. government agencies.

It may or may not be reassuring to know that there is also a grade of duct tape made specifically for use in nuclear reactors.

Duct tape was directly inspired by surgical tape, but an equally valid claim to its parenthood belongs to masking tape and cellophane tape, both developed in the 1920s by Richard Drew of 3M. Drew first created a paper-backed masking tape to protect parts of a surface during painting. He then spent a year finding a way to apply an adhesive to a new, moisture proof type of cellophane that had been developed by DuPont. The result was the familiar and versatile "Scotch" tape. Masking tape and cellophane tape are designed to be removed easily and to leave little residue, so they use a weak adhesive that dries out and loses its stickiness quickly. They are probably responsible for more jury-rigged repair jobs than duct tape.

Despite all the jokes, more often than not duct tape gets the job done. Just don't use it on ducts. Studies by scientists at Lawrence Berkeley National Laboratory in California suggest that even top-of-the-line duct tapes are poor at sealing ducts.

Now, aren't you glad you asked?

A few at our table inquired about receiving the quarterly magazine. Here is that information: **Invention and Technology** is published by American Heritage, an affiliate of Forbes, Inc. There is a special gift offer currently promoted - subscribe yourself for \$20 a year and give a year to a friend for only \$10 additional! Their number is 1-800-627-4022.

## TIPS NOW ON LINE

If you are receiving *TIPS* in the mail, you can also find it on line in full color!

Our club website, <http://www.lynnrotary.org> is the place to go - click on the little illustration of a newspaper and within 5 seconds or so the issue should appear on your screen.

There is also a directory of past issues in case you have missed any or wish to look something up.

If you are having difficulties receiving it on line or by Email, please tell Gene right away!

## GREETERS' SCHEDULE

### NEXT MEETING:

August 11 - Elaine Kurkul & Michele Desmarais

August 18 - Bob Hastings & Connie Colom

August 25 - Dave Surface & Linda Williams