

September

BUILDER BULLETIN

<http://hometown.aol.com/NGNNASSA/Home.html>

Tailgate Party

SEPT 28TH

THE APPRETICE SCHOOL VS. CHOWAN COLLEGE



This ASSA sponsored event is **free** to all Apprentices. Food will be served in the rear of the stadium under the scoreboard. Anyone wishing to park their truck in this area during the event must have a valid Apprentice School I.D.

(The little gold card with your name on it)

Come out and support our team!!!!

If you never received your I.D. card please contact Linda Graves at (757) 688-8236

HOMECOMING OCT 5TH



Picture taken by David Dunn

The Monitor-Turret

X11 Apprentice Peter Pruett, seen here standing next to The Turret at the Mariner's Museum. To his left a plaque is displayed, honoring those who participated in its' preservation. For more details see Page 02.

**The Apprentice School
Vs.
Methodist College**



Ladies...

If you would like to run for Homecoming Queen Please contact Tony Jones

OTHER UPCOMING EVENTS

Kings Dominion pg	Sept. 15 th
Alumni Oyster Roast	Nov. 16 th
Christmas Dinner Dance	Dec 7 th

APPRENTICES HELP PRESERVE THE MONITOR

The Apprentice School and Northrop Grumman played a large roll in preserving the Monitor. For those of you who may not know, the Monitor was a pioneer in the world of steel ships. The Monitor served its' country during the civil war and sank in the Atlantic Ocean around 1862. It was not a battle wound that sunk the historic iron clad, but a flaw in the construction of the steam-powered vessel.

Now, almost a century and a half later, the gun turret sees daylight again thanks to the selfless efforts of many great Americans across the nation. The Apprentice School and Northrop Grumman played their part by volunteering their time, skills, and efforts to the Mariners Museum located at the intersection of J. Clyde and Warwick Boulevard. Those who participated have eternally bound their names and souls with history to be preserved for many centuries to come. Those involved in the project were honored with a plaque that is displayed on the tank that the gun turret rests in. Each persons name is engraved in the plaque.

Those who participated include but are not limited to:

RICK SPAULDING, LARRY KOECK, RICHARD BRYANT, C. BURKS, DANNY ENGLE, KEVIN ROBERSON, DON STAFFORD, PETER PRUETT, MARINO CELLI, ALFONSO GUNTER, TONY SANGUNETTI, CORNELIUS HAWKINS, MITCH EISENHOUR, JEFF NEWELL, RONALD ADAMS, MARK GILLETTE, GREG HOWELL, TIM WILBERN, M. LONGEST, JAMES FUTRELL, CARLTON WHITE, D.L. BROWN, L. HILDERBRAND, SANDY COLLINS, RONNIE DAVIS, RONNIE SHARP, BILL MCGUIRE, CARLTON CLIBORNE, KERMIT PINKARD, AND LAST BUT NOT LEAST ED MONFALCONE.

The crew built a conservation tank for the turret and installed some partition bulkheads in the existing tank which houses the engine and the condenser of the Monitor. I had a chance to speak with crew member Peter Pruett about his experience at the Mariners Museum. Mr. Pruett said it was an honor to represent the Apprentice School and felt it was a standing opportunity to showcase his skills as a future leader at NGNN. In doing so he realized that he has learned a lot in the past four years and has grown tremendously as a steel worker and a person.

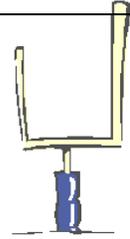
When the turret actually arrived it was crunch time. A temporary bulkhead was installed so when the turret arrived the bulkhead could be easily removed and the turret could be rolled into the tank. This would prevent unnecessary lifting of the turret which could damage this delicate and precious treasure. Once the turret was inside the tank the permanent bulkhead needed to be installed. Peter said knowing the great significance of his efforts was very rewarding and he was eager, like many others, to volunteer some of his free time to complete the project. Peter and the rest of the patriotic crew worked from 6p.m. to 3a.m. on a Saturday to complete the task at hand.

Thanks to all those who helped to preserve our nations history.

Dave Dunn



**MAMMA SAID HER BOY
COULDN'T PLAY FOOSBALL
WITH NO GARGANTUANS
BUT THE APPRENTICE FOOTBALL
BUILDERS CAN !**



The Apprentice Football Builders opened up their season this year against Greensboro with a 14 -7 victory. The Builders new coach, Phil Janaro, carries a very respectable resume. Hopefully his expertise will put the Builders back on top of the division and instill a new found pride in the heart of the team.

I had the opportunity of speaking with Mr. Janaro and he said the key to success for the season would be, "...to continue to apply the same principles that the shipyard looks for in their employees, and that is teamwork. There were some times today when things went wrong, we fumbled the ball and dropped a couple of passes, where we could have changed the momentum of the game." Coach said there were 13 or 14 freshmen on the team and they had to get rid of the freshmen jitters. "Shawn Jackson had an unbelievable punt, a 52 or 53 yards, when we needed it most." The coaches thoughts on the game were: "The young people matured. Some people came back and made big plays. The young defense had an unbelievable 3rd quarter stand in the red zone and I just can't say enough about the athletic capability of Terrence Patrick." I asked him how he thought the team would do this year and he replied, "All I can say right now is that we won one."

Coach Janaro and the rest of the Builder squad would love to see everyone at the games. Please come and show your support for the 2002 Builders. Congratulations to Terrence (Cruz) Patrick and the rest of the Builders on the opening victory. Keep on rolling.

Dave Dunn

FOOTBALL 2002

Sept. 7	Greensboro College	1:00 p.m.
Sept. 14	at Frostburg State Univ.	1:00 p.m.
Sept. 21	at Averett University	1:00 p.m.
Sept. 28	Chowan College (Tail Gate Party!)	1:00 p.m.
Oct. 5	Methodist College (Homecoming)	1:00 p.m.
Oct. 12	at Gallaudet University	1:00 p.m.
Oct. 19	at Wesley College	1:00 p.m.
Oct. 26	Salisbury University	1:00 p.m.
Nov. 2	Bethany College (W.Va.)	1:00 p.m.
Nov. 9	at Washington & Jefferson	1:30 p.m.



GOLF 2002 SCHEDULE

Head Coach: John Maxey

Sept. 5 at CCAC North Invite	(Pittsburgh, Pa.)
Sept. 6 vs. CCAC North	(Pittsburgh, Pa.)
Sept. 15-17 at Randolph-Macon Inv.	(Richmond, Va.)
Sept. 22-24 at W&L Invitational	(Lexington, Va.)

Now that's TEAM SPIRIT

As always home games are in "**Bold Print**".

For more information on the Builders Athletic Program, please contact Sports Information Director Jim Heath at 757-688-4935.

Builder Sports Hotline: 928-1111 (category 6672)

NEEDED

Apprentice School Football Managers

Two Afternoons per week
1.5 hours per afternoon
Travel Opportunities

Contact: Coach Phil Janaro
688-9454 or 880-3441 (Cell)

American Rover Highlights

On August 10, 2002, the Apprentice School Student Association set sail on a new event. The sailing vessel *American Rover*, proved to be quite a good time! We left from the docks behind Waterside, in downtown Norfolk, at 6:30 PM. After briefly motoring along the North side shore of the Elizabeth River it was time to set the sails. The *Rover* crew was quite capable at their tasks yet, got plenty of help from the student body. Once the sails were up it was time for a light meal of sandwiches and salad, prepared below decks. However, it was hard to keep everyone down there since the cool breeze and the view from the weather deck were extraordinary. After cruising past the Norfolk Naval Base, gawking at the amazing ships we built, we headed westward to witness a tremendous sunset that seemed filtered in just the right hue of crimson to be meant for the A-School. Once the sun had set, it was time for the DJ to go to work, providing us the sounds to enjoy our relaxing coast back to Norfolk. Getting ever bit closer to the docks, the sails were lowered and the engines hummed back to life just long enough to bring the ship up alongside where we had departed. Our three-hour tour was incredible. The weather could not have been better. Students and faculty alike are already asking what time we'll leave next year!

Look for pictures of yourself and friends at this event on the ASSA web-site.

Doug Creps,
Public Relations Chairman

Show Me The Money!

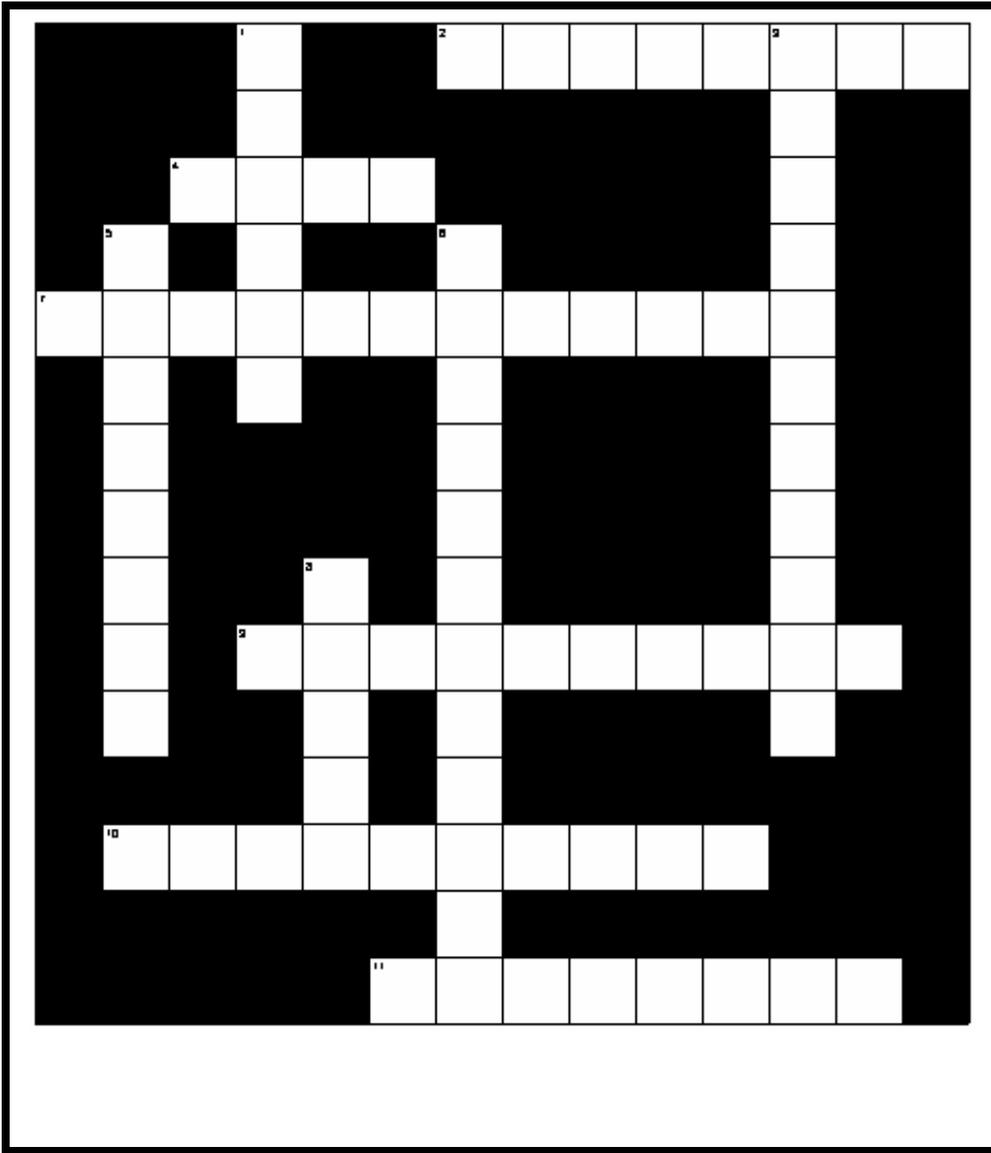
So, how many of you have the same problem that I do? The problem is that you don't know where all of your money goes each week. Well, I looked into it and tried to figure it out, but all I can tell is where about one percent of your income goes. It goes to The Apprentice School dues. All of you already know this of course since it is part of the agreement of becoming an apprentice. I have heard the occasional derogatory comment regarding the payment of these dues.

I understand that we all want to keep all of our money we have worked so hard for. We must remember however, that we do attend a school that provides us with the education we need to make all that money.

We aren't required to pay any tuition or even provide our own tools. So I think that a small activities fee (which most colleges require) is more than justified, but truthfully, that's not even the point.

The point is how one goes about getting this money back! The way I look at it, there is nothing we can do about them getting that 1%. However, there is a way for us to get it back. Get involved in student activities. The activities are right there, ready to be participated in. Discounted tickets to Kings Dominion, Field Day Picnics, Football Games, Pool Tournaments, Harbor Cruises, and Dinner Dances are just a few of the things you pay for and never attend. If you never go to any of the functions, then all I can say is "thank you". You are helping to pay for my fun. In the end you're going to pay your dues, whether or not you use that money to have fun is up to you.

Adam Madison



CARS PARTS



Down

1. Device that interrupts current if a circuit is overloaded or a short occurs.
3. Air conditioning system component that removes moisture and stores extra refrigerant
5. Process of removing any trapped air from a hydraulic system.
6. An assembly of gears used to provide power to the rear axels and allow them to rotate at different speeds as necessary.
8. Area on a gear tooth below the pitch line.

Across

9. An AC generator
10. Condition caused by air-fuel mixture igniting in the intake manifold or exhaust system.
7. A simple drawing, using rectangles and lines, which show how sensors, computers, and actuators are interconnected.
2. Rotating shaft with lobes that open valves at the correct times for proper engine operation.
4. Device that allows the driver to engage or disengage the engine and transmission.
11. Large, heavy wheel mounted on the rear end of the crankshaft. Usually includes a ring gear that is engaged by the starter pinion.

September Editorial...

This month we look back to September 11th, 2001. The collapse of the twin towers was one of the most devastating events to penetrate our thick American skin in years.

The observance of this day is likely to conjure up many deep and conflicting opinions. There is no doubt that a steady resurgence of the already heightened awareness and patriotism displayed by many Americans will roll across our great nation. There are many positive and productive celebrations, which have been planned to honor the victims of these horrific events, as well as our military and emergency service personnel who have all given so much. However, In the midst of celebration, I hope we can all manage to keep certain things in mind. We have a lot of work left to do. So let us not commit these events to the history books just yet. We must still search our country, our Federal Agencies and ourselves for the answers to questions unknown. Finally, I hope that we can keep things peaceful. Nothing can be solved with violence. I understand the anger in the hearts of loyal Americans and I have dealt with the very same issues. But I urge you to open your eyes and see that we must all find a peaceful way to push forward and bring the world back to order. I would like to suggest the following organization, dedicated to the victims of September 11th by the family members who remain, as food for thought. It is called "Peaceful Tomorrows".

<http://www.peacefultomorrows.org/inthenews.html>

Their mission statement is as follows: "Peaceful Tomorrows is an advocacy organization founded by family members of September Eleventh victims. Its mission is to seek effective nonviolent responses to terrorism, and identify a commonality with all people similarly affected by violence throughout the world. By conscientiously exploring peaceful options in our search for justice, we choose to spare additional innocent families the suffering that we have already experienced—as well as to break the endless cycle of violence and retaliation engendered by war."

What Do I Do?

When I first started working here as an apprentice I had a hard time answering that question. My mother would ask me and I would say I don't know or I work in a shop. A lot of apprentices don't really know what to say when their parents ask them that question the first couple of times. So I tried to get you an answer.

In my quest for the truth I sought the guidance of a good friend of mine. His name is John Paul Wagoner. He is a seasoned X11 apprentice who has marinated in the dirt, blood, and sweat of the shipyard for 3 years. Mr. Wagoner works for Paul Douglas as an inspector in his current rotation. He uses optical instruments to align different sections of ships together and lays off lines for other trades to use during the assembly of the ships sections.

When I asked John Paul the answer to our riddle he said when he first got here his job was to learn. He advises that you learn as much as possible and ask a lot of questions. "The more questions you ask the more answers you get and eventually the student becomes the teacher."

John Paul can only vouch for X11 as far as personally knowing what they do. I will attempt to outline his path in the shipyard for his 1st three years. First, John went to welding school and learned how to weld. Then he went to burning school and learned how to burn. These classes provide the necessary skills to work in the X11 trade. After completing his classes he was sent on his first rotation in the SPF shop. Most of what he did there did not involve anything he had learned up to that point. He just sanded paint, but he said it was important to do the best that he could. He advises you do the same. You are being judged over a long period of time and good habits are recognized, as well as bad ones. "Your apprenticeship goes by fast so do your best."

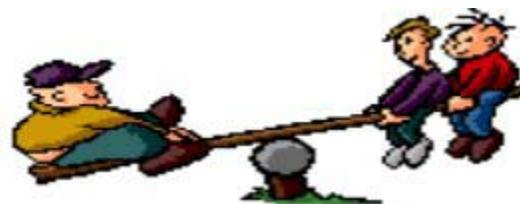
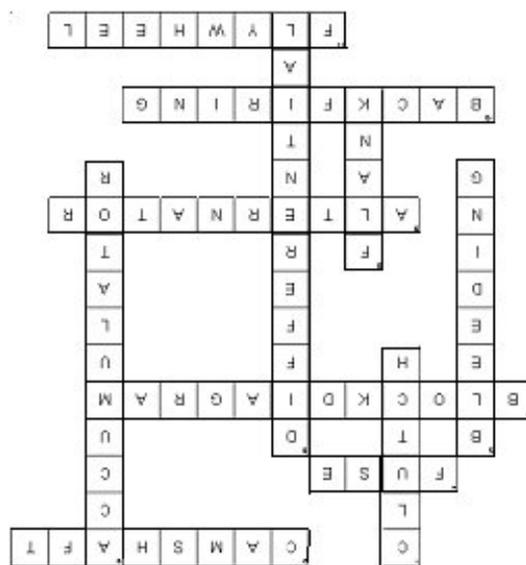
From there he went out to the plats where he got his first real taste of fitting. It was a pleasant change from the

Next John went to the mother of them all, the aircraft carrier. This is what it is all about. We produce aircraft carriers like Ford and Chevy make trucks. John had the opportunity to work on the catapult systems on flight deck and he admits that this was his most challenging and favorite rotation. It was very rewarding because he had a big job to do and he was his own motivational source. Instead of following, he was a leader but he never hesitated to ask a question of one of the more seasoned veterans.

John offers these words to all new apprentices. "Not many people like it at first. It is a big change from school and it may be your first real job ... but if you stick with it you will end up liking it and you can't beat going to school for free." The shipyard does not limit your education but in fact encourages it with their tuition reimbursement program. John Paul says, "After I complete my apprenticeship I know I have better opportunities to grow and move up in the company."

Thanks for your help old pal. Hopefully you have got a better idea of what we do here at NGNN. If not then you should follow a friend's advice. Ask questions!!! The answer is out there somewhere and everyone should know his or her purpose.

Fellow apprentice,
Dave Dunn



September Math Challenge

Scales #1 and #2 are in perfect balance. How many Xs must you put on the right side of Scale #3 to make it balance?

Scale #1

Left side: **XXYZ** Right side: **XXXXY**

Scale #2

Left side: **YYYY** Right side: **XXZZ**

Scale #3

Left side: **YYZ** Right side: _____

The solution must be accompanied by reasoning/work. A time submitted in the upper left corner is needed to determine a winner. Place answers in Mr. Jones in-box in the office.

August Math Challenge Answer

A: Since *Circumference* = $(2 \pi r)$,

We must first realize that the radius of the earth and the length of the rope being used are constants. We need only to find the length of the additional rope needed.

The original length of rope = $(2 \pi \text{radius of the earth})$

The new length of rope = $(2 \pi (\text{radius of the earth} + 2\text{ft}))$ or $(2 \pi \text{radius of the earth}) + (2 \pi 2\text{ft})$

Making the length of additional rope = $(2 \pi 2\text{ft})$

That equals **12.57** additional feet of rope!