

ALLIED NEWS

Bringing Our Family Together

Son of Allied Employee Earns Eagle Rank

Harrison Morgan, son of Jimmy and Nicole Morgan, received his Eagle rank during his Court Of Honor ceremony held at the Unity Presbyterian Church, February 4th. Harrison's earned his rank through his many years of Scouting, extensive amounts of volunteerism and completing his Eagle Project. His project entailed organizing, managing and overseeing the construction of a youth recreational playground on the grounds of Unity Presbyterian Church. Unity Church has been the charter church for Troop 108 for many years and Harrison felt it was fitting to give back to Unity for all that they have done for his troop. Allied would like to congratulate Harrison on his accomplishment!



Harrison, accompanied by his parents, receives his Eagle Certificate from Scout Master Bob Ludolph.



Dan Markeson and his daughter Kayla after their first Father / Daughter Alignment

Father / Daughter Duo Making Alignments "That Easy"!

This father/daughter team has brought the term "take your daughter to work" to a whole new level. Dan Markeson (Owner and Founder of GenMover - The Patented Generator Alignment Company) and his daughter Kayla, completed the East Kentucky Power, Spurlock Station stator alignment. Dan has completed many generator alignments in the course of his career, but this 525 MW GE job was especially rewarding. This was the first alignment completed with Dan and Kayla working side by side. Dan's patented alignment process is so simple and precise, that Dan's daughter was able to work hands on and assist in completing the process. Unlike a traditional generator alignment, no brute force is needed. Moving the generator and adjusting the precision of the alignment by as little as .001 of an inch is done with Dan's patented system and a 1/2" drive ratchet. Dan is happy to share his passion about this alignment process with his daughter and hopes that she will one day follow in his footsteps.



Engaging Trivia

We had 14 correct answers to the previous quarter's trivia question. Of those correct answers, Eric Sutherland's name was drawn and Eric received a gift card. Congratulations!

The Tennessee Valley Authority was created by a congressional charter on May 18, 1933 to provide many things for the people of the Tennessee Valley, an area greatly effected by the Great Depression. However, textile mills was NOT one of those things provided.

First Quarter Trivia Question

In celebration of Women's History Month, here is an appropriate trivia question about one very famous female scientist.

In 1921, U.S. President Warren G. Harding, presented Marie Curie with what, in recognition of her service to science?

- A. Pocket Watch
- B. Gold Medal
- C. Radium
- D. Nobel Prize

Please send your answer via email to janiceduncan@alltechres.com by March 22, 2017, to be entered into the drawing to win a \$25 gift card. Please include "Trivia Answer" in the subject line and include your name. In the case of a tie, names will be put in a hat and we will pick one winner.

**Winners names will be published in the following quarter publication of the newsletter. By submitting an answer, you are giving permission to Allied Technical Resources, Inc. to publish your name as a winner in the following newsletter.

Edwin Hatch Unit 2 (Southern Nuclear) Sets Outage Record

Southern Nuclear has set a record for a refueling and maintenance outage at the Edwin Hatch Electric Generating Plant's Unit 2 near Baxley, Ga., completing the service work in just 21 days and two hours.

Plant operators took the unit offline Feb. 6 at midnight and resumed generation Monday, Feb. 27 at 2:09 in the early morning. Technicians brought the unit through the routine work of refueling and maintenance, including testing, but also made upgrades to several plant systems and components to enhance efficiency and reliability of the facility. Plant Hatch Vice President David Vineyard commended his plant team for completing this outage safely, efficiently and in record time. "The work we perform during our outages is a significant investment in our facility," David said. "Unit 2 is positioned not just for the next 24 months, but for years of



continued safe and reliable electricity production."

The record was set using 900 of the plant's permanent staff, plus approximately 800 additional workers from

General Electric, Day and Zimmerman and other service partners who performed specialized tasks. These supplemental workers also provided economic stimulus to surrounding communities during their stay in the area.

The last refueling outage for Unit 2 was completed in spring 2015. Hatch Unit 1 continued to safely generate electricity while Unit 2 was offline for the refueling.

Change The Clocks AND The Smoke Detector Batteries.

According to the U.S. Fire Administration (USFA), smoke detectors should be tested at least once a month and batteries should be replaced at least twice a year. A good way to help remember to do this is to change your batteries when you change your clocks for daylight saving time — when you spring forward or fall back. One handy way to remember if you have replaced your batteries is to use a small piece of masking tape on the battery and write on the tape the date that the battery was replaced. Even hard wired detectors need to have batteries replaced twice a year. The batteries serve as a back up electrical system should the power go out in your home. So, even in the case of a power outage, your smoke detectors will still operate.

Additionally, the National Fire Protection Association, recommends that you replace a detector when it's 10 years old. Top-rated security system experts say that, over time, dust gathers inside smoke detectors, desensitizing the sensors.



Charlotte STEAM R.A.T. Rod Challenge Program is creating thinkers!

Harper Corporation of America has challenged the students from Charlotte STEAM to build a R.A.T. Rod vehicle with very specific criteria. Charlotte STEAM (Science, Technology, Engineering, Arts and Math) is a non-profit educational vehicle, sparking a passion for STEAM-based learning while developing critical thinking and skills to enhance opportunities for future employment for students in the Charlotte area, with interactive festivals and year round outreach programs. The term R.A.T. stands for Radically Alternative Thinking, a term that is used to describe the high levels of problem solving and critical thinking that are required to build a R.A.T. Rod. The specific criteria are as follows:

- Vehicle must be built by students with the guidance of an instructor.
- Vehicle must be built from parts from at least 10 different vehicles.
- Vehicle cost must stay within a \$5000 budget.
- Must use STEAM vs. STEM curriculum.
- R.A.T. Rod must be operable and safe for the road.
- The students must video their building process and progress and edit it to make a loop video to be displayed on a flat screen TV in front of their car at Charlotte STEAMFest to show how they built it.



Rusty (left) working hard with a teammate

Charlotte STEAM offers students a challenging environment for new experiences by pushing their knowledge and creativity to new levels. We do this by promoting the tools of STEAM (Science, Technology, Engineering, the Arts, and Math) and problem solving / critical thinking while creating a R.A.T. Rod vehicle. Here are just few examples of how this program allows students to apply the STEAM principles to the automotive industry.

- Science: Hydraulics, electronics, fuels and emissions, and electromagnetic induction
- Technology: Computer controls, electric vehicles, alternating fuels, and collision avoidance systems
- Engineering: Engine design, increases in horsepower and fuel efficiency, and vehicle safety systems
- Arts: Conceptual designs, blueprinting, principles of artistic design, painting, creativity
- Math: alignment geometry, standard and metric measurement, precision measurements, and fuel economy calculations

Allied Technical Resources employee, Russel Dunlap, is excited to see his son participating in this years R.A.T. Rod competition. The group of young men and women have been working hard creating their vehicle for this years competition. "I love seeing my son get excited about working on their vehicle. He's having fun and learning skills that will last a lifetime. This entire process has been such an educational experience!"

If you want to learn more about the STEAM Charlotte program or to purchase tickets to the R.A.T. Rod Fest competition in April, go to www.charlottesteam.org

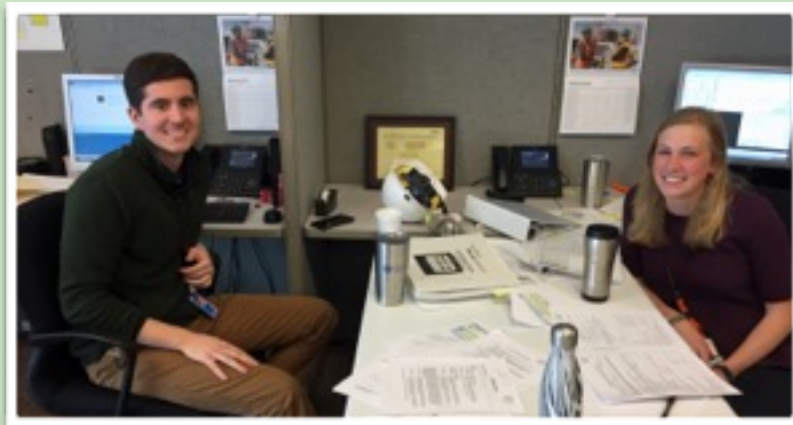


Rusty Dunlap (far left) and his R.A.T. Team

SCANA's innovative engineer training program addresses their aging workforce gap

The SCANA corporation is very much aware of their aging workforce gap. The obsolescence of experienced engineers is a real problem in the Nuclear Power industry and SCANA is tackling the problem head on. SCANA's engineer mentoring program uses temporary hiring process to evaluate and select the best suited candidates to fill the gaps in their workforce.

Accepting a temporary assignment right out of college would seem like a poor decision to some students but not the case with Sergio Martinez and Katie Toth. Both are recently graduated engineers who have never worked in the nuclear industry before. This temporary assignment was a leap of faith for both of



Sergio and Katie in their "community style" workplace environment

them. Several months later they are beyond pleased with their decision. Katie said " I had no interest in the nuclear field and frankly had very little knowledge of nuclear power when I applied for the position. However, I am very pleased with the level of training and mentoring I have received so far. This program has forced me out of my comfort zone and exposed me to some great personal development training that most new workers would not be exposed to. "

Sergio was pleased that he was given an opportunity to be a part of this program

because sometimes an interview doesn't give the full picture of what a candidate brings to the table. "Being somewhat introverted makes it hard to relay my enthusiasm and abilities in an interview. This program has allowed me to shine and show my strengths in a hands on environment. I am grateful for the opportunity to get a chance to shine"

Both Sergio and Katie understand the importance of good mentoring but their mentors are probably more aware of the long term benefits. Wayne Stuart (General Manager Engineering Services at SCANA) has been very pleased with the success of the Engineering Mentoring Program. Wayne feels that It is very hard to truly pick the best candidate based on just a resume. "Sometimes the hardest fit for a department is the work ethic and personalities. Having the chance to "Test Drive" the new hires before hiring them and see how they succeed in a particular department is just the information you need to make a hiring decision. Sometimes a person will be a completely different fit than you would expect, based on their resume alone. It is kind of like judging a book by it's cover...it's not always the best method." This process of hiring has really allowed SCANA to be selective in the candidates they are on boarding for permanent hire which saves the company money over the long run. Wayne is very pleased with how the program is working to train these young employees who will one day replace the people that will be retiring from their aging workforce.