

Obituaries

(Continued from page 1A)
 obituaries at our website at www.thenews-journal.com. We're using a blogger format, which allows readers to follow the site.

We will continue printing obituaries in the printed newspaper each week.
 The service is currently sponsored by Monuments by Kel Crumpler.

County

(Continued from page 1A)
 North Carolina Rural Center that will provide the county with about \$440,000 to offset the cost of running utilities to the former Clean Burn Fuels ethanol plant in Dundarrach.

nity building was torn down and rebuilt in the same location. The new building is nearly ready for a grand opening and open house in early February, officials reported.
 The county is also preparing for a bid opening in the second week of February for the new E-911 center.

Robbery

(Continued from page 1A)
 placed a call to Domino's Pizza the night of January 15. When a pizza delivery driver attempted to deliver the order to the 100 block of Yadkin Trail, two men approached him, and the driver heard a shotgun being "racked." The suspects took keys, money, pizzas and the pizza bag and fled

the scene on foot, reports said.
 Authorities suspect Hines and the unknown subject placed the pizza delivery order so they could commit the robbery in an area that is poorly lit and sometimes secluded after dark.
 The Raeford Police Department credited the District Attorney's office with assisting in the investigation.

Correction

The News-Journal incorrectly identified the office that maintains divorce records. The Clerk of

Court office maintains divorce records for divorces filed in this county.

Please Recycle This Newspaper!

Hagan

(Continued from page 1A)
 the area last week, including a stop in Scotland County promoting her "North Carolina Back To Work" campaign.

National Guard member and veterans services representative Jenny Hartsock and other Hagan staffers attended the meeting and took down information from people seeking help navigating federal agency services. Others in the crowd sought advice about funding for projects or agencies.

Non profit organizer Shirley Hart asked the senator about possible funding for the Tia Hart Community Recovery program. County Manager Tim Johnson asked Hagan about funding for the county's infrastructure and library, particularly sewer project funds from the United States Department of Agriculture.

"We've still got the big project that we need funding for, and we're in the process, we've already bid out the Phase V, that's with USDA funding. But my big thing was to get them to make a phone call. There's no problems but it doesn't hurt to have your senator call them and say yeah, we want them to have that," Johnson said.

Hagan, identified as a "rank-and-file Democrat" by nonpartisan vote and bill sponsor tracker GovTrack, said she hopes to work with Republicans and Democrats on legislation for funding infrastructure needs.

"There is some funding we can provide for those issues but usu-

ally it's never enough," she said. "That's why we need, as Congress, we need to work together, Democrats and Republicans, to help solve these issues and not keep kicking the can down the road."

Hagan also touted her support for science, technology, engineering and math (STEM) education.

"We need to make wise investments and I think we've got to focus on education, we've got to invest in education and we've got to invest in STEM education, because those are the jobs of the future, the science, technology, engineering and math," she said. "We need to have a strong pre-K to 12th grade, but we really look at community colleges for the training for our workforce. We want to be sure they have those portable industry-recognized credentials for jobs of the 21st century."

Hagan, who defeated incumbent Sen. Elizabeth Dole in the 2008 election, will be up for reelection in 2014.



Commissioners Ellen McNeill (left to right) and James Leach, with Hagan, and William Hollingsworth.

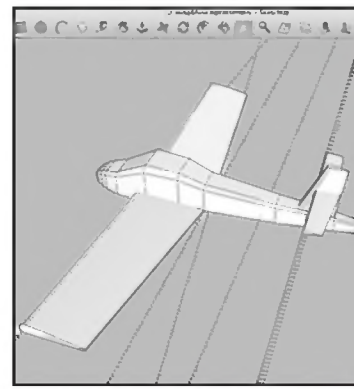
Other stuff

(Continued from page 1A)
 Today, in our continuing series we find that 3-D printing is not made up, even though nobody believes it's real.

Yes, we know it's been nagging you ever since you heard about 3-D printing. Can a printer attached to a computer really print an object, such as a crescent wrench that can actually be used to tighten a nut? The video on YouTube shows it, but video and photos can be faked. Just like the Apollo 11 lunar landing, which we all—or at least 20% of us, according to surveys—know was faked with Photoshop in a warehouse in Roswell, New Mexico. Or perhaps 3-D prints are being imitated, like certain appendages of certain celebrities.

Inquiring minds want to know. So to find out, we first created a small airplane in a 3-D drawing program, Google Sketchup, which has the learning curve of romance but is free, and since we lack the research budget of a government, were stuck with it.

Noble as we are in the aid of science, the project also had the goal of replacing a crude prototype of the plane, which had been flying on the antenna of a pickup truck for six or seven years. The first model was made of a Sprite can fashioned into the plane, stapled together and drilled through the center so it would rise up on the antenna of the truck when it reached an airspeed of about 25 miles per hour. After metal fatigue set in from years of flying through all sorts of weather and enduring Raeford's thousand-percent summer humidity, we created a second version, made from a printing plate. It too flew for several years but was beginning to look nasty



...on the computer screen



... out of the box

and all whumpyjawed.

Enter 3-D printing.
 If we could design the plane in a 3-D program, we could upload the file to a company with a 3-D printer, pay them a handsome sum, wait two weeks, and get back a plastic version of what we'd seen on the computer screen. Their printer's head would move across a bed of plastic powder, squirting microscopic drops of resin onto each bit of powder until, with thousands of passes, the object would be formed a tiny layer at a time.

Conclusion: it's real. What began as a computer file arrived in a box Friday. (It cost \$46. A stainless steel version was offered for only \$230.) After two coats of acrylic paint, a hole drilled through its center and its ugly tail hack sawed off, the plane flew its maiden voyage Saturday, lifting off at exactly 25 m.p.h. Its durability will be determined in a few years. Or maybe days. Depending on its...um... durability.

Anyway, in our next episode we'll use an inclinometer to determine which is the best sledding hill in Hoke County, should it ever snow.

In the meantime, send your local science questions to *The News-Journal*, because "We Do Science So You Don't Have To."®

Short semester
 online classes
 with full
 semester
 credits!

Spring Mini-Mester

February 14-May 8

Registration Monday, February 13 • 8 am-5 pm

New students need to apply and take placement assessment prior to registering.

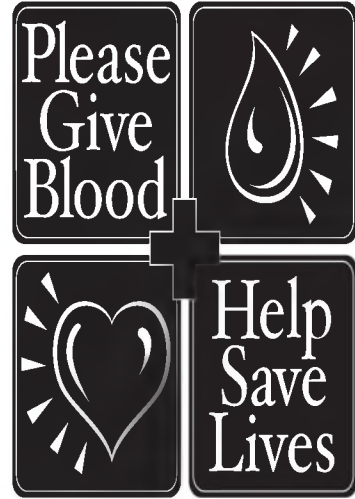
ACA 115	Success & Study Skills	HIS 122	Western Civilization II
ANT 220	Cultural Anthropology	HUM 110	Technology and Society
CIS 110	Introduction to Computers*	HUM 150	American Womens Studies
COM 110	Introduction to Communication	PEL 260	Lifeguard Training**
COM 231	Public Speaking	PHI 240	Introduction to Ethics
ENG 095	Reading & Comp Strategies	PSY 150	General Psychology
ENG 111	Expository Writing	SOC 210	Introduction to Sociology
ENG 112	Argument-Based Research	SOC 213	Sociology of the Family
ENG 114	Prof Research & Reporting	SOC 220	Social Problems
HIS 121	Western Civilization I		

*This is a hybrid class format—part classroom and part Internet.
 **Class will be held at the O'Neal School, is not an internet class and begins on Feb. 29

Sandhills COMMUNITY COLLEGE
 3395 Airport Road
 Pinehurst, NC 28374
 910-695-3725



www.sandhills.edu
 minimester@sandhills.edu



START SAVING TODAY

with **FREE BUSINESS CHECKING**

Bring in your current bank statement and let us show you how to save money by making the switch to Free Business Checking.

Stop by and *start saving* today!

- No monthly maintenance fee
- No minimum balance requirement
- No per item transaction charges*
- Free Online Banking and Online Bill Pay

*If more than 400 checks are deposited, or if more than 150 items are processed during a monthly statement cycle, your account may be upgraded to a Commercial Checking account.

New Century BANK

Power your plans.

Member FDIC | Equal Housing Lender

For locations and more information, visit newcenturybanknc.com

Quick, Easy, & Secure

10% off ONLINE Subscription Rate

Subscribe to The News-Journal online and receive 10% off subscription rate



www.thenews-journal.com

Discount applies to online subscriptions only.