

Homecoming 2010

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# The Baylor Lariat

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## **NEWS** Page A3

### **Trip down memory lane**

Baylor adds Friday Night Flashback and a worship service to the slate of Homecoming events

## **NEWS** Page A6

### **Sugar tooth**

Simply Delicious Bakery supplies the Waco community with sweet, seasonal treats, and pretzels, too

## **SPORTS** Page B1

### **Bowl hunting**

Baylor will attempt to become bowl-eligible Saturday when it takes on Kansas State



# BU couple finds love at first Sic 'em

**Baylor pair engaged at Homecoming, returns with memories**

By **OLGA BALL**  
ASSISTANT CITY EDITOR

Alumni Glenn and Jennifer Roush have a unique connection to Homecoming — Homecoming was where they got engaged in 2005.

"I chose to propose at homecoming because Jen and I both love Baylor," Glenn said. Glenn only had a few weeks to plan the event so he enlisted help from Jennifer's friends, Elizabeth Williams, the former coordinator for the spirit squad and Zac Kelly, the Bruiser mascot at the time.

"It was my first Homecoming as an alumna and I was excited about

going back to campus and spending the weekend with friends," Jennifer said. Jennifer was excited to see Pigskin because her former sorority, Alpha Chi Omega, was performing and she was excited to take pictures with the mascot.

"I showed up to her apartment in slacks and a dress shirt, which made her mad because she wanted to go in blue jeans and a comfortable shirt," Glenn said. "She asked why I was so dressed up, to which I replied that I expected to see a bunch of friends that I wanted to look good for. She went and changed so I didn't 'outdress' her. As we drove to Waco, I had the ring hidden in my pocket so I kept my hand on my pocket the entire 100-mile trip."

Glenn and Jennifer met up with their friends at Rudy's before homecoming.

"It was funny because everyone was trying to act so natural, but they almost didn't want to talk to Jennifer for fear of slipping up. I hid the Bible I was giving Jennifer in a friend's bag," Glenn said.

Kristy Boyd, one of Jennifer and Glenn's friends, helped Glenn with the engagement.

"My husband Lee was in charge of videotaping the whole thing," Boyd said. "Jen thought it was odd that he had the camera so we just told her that he wanted to video the whole Baylor Homecoming experience."

Once at the bonfire, which was held at the Ferrell Center parking lot that year, Glenn told Jennifer that he was going to the bathroom and sneaked off to hand Zac Kelly the Bible, who was waiting backstage to perform with the cheerleaders.

"Having been a mascot, I knew that he would get mobbed for pictures so his arrival was the part I was most nervous about," Glenn said. "I had mentioned to Jennifer that I asked Zac to bring Bruiser by to get a picture with us, and all she could talk about while we waited was how excited she was to get a picture with Bruiser."

When Bruiser came up to Jennifer, she just thought it was for a

photo opportunity. Bruiser pulled her inside the barricades and gave her a gift-wrapped Bible with her new married name imprinted on the Bible.

"I noticed that Bruiser was carrying something in his hand but assumed it was something to give to the crowd," Jennifer said. "He walked to me and grabbed my hand and dragged me out of the crowd toward the bonfire. I figured he was going to do something fun for the crowd. Instead he took what he was carrying and handed it to me."

"Glenn and I had talked about getting engaged, but he had made it blatantly clear that it wouldn't happen until Christmas. But as soon as Bruiser handed me the package I knew that Glenn was proposing and I froze. I had always told Glenn that I thought it was very sweet when guys gave a girl a Bible with her married name inscribed on it. The package I was holding was the exact size of a Bible — Bruiser pointed to the note on the front of the package that said

"Open Me." I opened the package and found a Bible with Jennifer Roush inscribed on the front, and when I looked up Glenn was on

*"It really was the perfect engagement for the Baylor couple. They love all things Baylor, so it was just right"*

Kristy Boyd | Friend of couple

one knee and asked me to marry him," Jennifer said.

"She hugged me and was so excited that she didn't even look at the ring. We were hugging and I asked 'Do you want to see the ring?' She could barely get a 'yes' out at that point. It was very funny," Glenn said.

The spectators thought it was a special moment too.

"It really was the perfect engagement for the Baylor couple. They love all things Baylor, so it

was just right," Boyd said.

The Roushs have not missed a homecoming since their engagement. Their favorite part of the celebrations is the parade.

"It is so unique and has so many different elements. I have sat outside and watched the parade in the rain and cold, and it is always worth a little suffering," Glenn said.

Jennifer agreed. "I love seeing the floats and what all the groups come up with. It is always great to be back on campus and be in the hustle and bustle again," Jennifer said.

For Glenn, the homecoming traditions are what convinced him to come to Baylor.

"I was looking at Baylor and some other small schools like University of Mary Hardin Baylor, and the homecoming festivities were really what convinced me that Baylor was the school for me," Glenn said. "I think it is important for alumni to connect with one another at homecoming because we have so much to be proud of and to celebrate."

# Technology crowds circuits; Baylor chases solution

**Baylor professors present research to solve problem on frequencies**

By **MEGHAN HENDRICKSON**  
STAFF WRITER

The radio frequency spectrum is running out of space to offer more bandwidths to new technologies, because of the addition of new wireless communication technologies such as cell phones and satellite radio to old technologies such as AM/FM radio. Baylor engineers are trying to find a solution to this problem.

Dr. Charles Baylis, assistant professor of electrical and computer engineering, is leading the team of engineers in research, which includes members of the Baylor Wireless and Microwave Circuits and Systems student program, for which he is the co-director.

"We are researching to better design circuits that facilitate communication and radar systems," Baylis said. "We are designing the circuits so they use as little battery

power as possible, and so they follow regulations by abiding within the frequency band they're supposed to abide within."

Dr. Robert Marks, distinguished professor of electrical and computer engineering, is working with Baylis and the team on this research. Marks said the old way to do things was to assign a piece of bandwidth of the spectrum to different technologies. However, he said this method crowds the spectrum and creates a problem several have deemed to be catastrophic.

Marks pointed out that assigned bandwidths of the spectrum are not always in use. Thus, the solution of dynamic spectrum access says if someone is not using their bandwidth for a period of time, someone else can use it.

"It's kind of obvious, but is fraught with implementation problems," Marks said. "It requires new regulation policy and for the electrical engineer, a whole new way to think about communications."

Marks said this creates problems when designing circuits.

"Before, we could design stuff that stayed at one place in the spectrum, but now we have to be able to jump around the spectrum," Marks said. "The new area is called cogni-

tive radio. Military radar also uses bandwidth in the spectrum, so a related area is cognitive radar."

Last month, Baylis and Marks attended a conference hosted by the Defense Spectrum Organization in Washington, D.C., to present their research on dynamic spectrum access, cognitive radio and cognitive radar.

The conference was composed of individuals from the US Department of Homeland Security, Defense Advanced Research Projects Agency, Office of Naval Research and Air Force Office of Scientific Research. Baylor was one of just three universities invited to attend the Fifth Annual Emerging Spectrum Technology Workshop on Advanced Radar Technologies to Improve Spectrum Use.

Dr. Michael Korpi, professor of communication studies, believes there is huge potential for third-world applications to the engineering team's research as well.

"The trend we've been seeing over the last 20 years is that things that used to go through the air are now going through the wire and fiber, and the things that used to go through the wire and fiber are now going through the air," Korpi said. "The more efficiently you can

do this kind of thing, the better it is for Third World countries to do."

Korpi said due to the high cost of bringing electricity to a community by building electric power

solution from God.

"There are a lot of times we lift our research to God," Lorena senior Hunter Miller said. "Dr. Baylis is very Christ-driven, in that he's

*"Before, we could design stuff that stayed at one place in the spectrum, but now we have to be able to jump around the spectrum."*

Dr. Robert Marks

Distinguished professor of electrical and computer engineering

poles and running wire underground, and the proven likelihood of Third World residents digging up the wires to try to sell the copper for money, anything wireless helps bridge the gap of "the digital divide."

The digital divide is the theory that people who already have significant access to digital communication benefit the most from new technologies, while the gap grows greater between the "haves" and "have-nots" when people do not have such access. Two students working on the research team said their least favorite part of research, running into difficulties, proves to be their favorite part of research as they seek to find a knowledgeable

willing to sit back and say, 'Let's pray about this because we clearly can't figure it out on our own.'"

Miller said realizing God has the answers has been helpful.

"It's amazing to think that we don't have all the answers, so we sit back and reflect and pray about it," Miller said. "We do that a lot in research meetings and I believe that's been really influential in our research group."

Graduate student Loria Wang agreed with Miller that when faced with obstacles, she seeks after the Lord for direction.

"It's great to be in an environment where we can talk about our faith," Wang said. "We believe God is the creator in all we're studying.

The more we study and learn the more it's like, 'Wow! God is awesome for creating all this.' I mean, if I'm having a problem, why not ask the one who created it?"

Baylis feels grateful to teach at a school that he believes partners research with faith.

"The impact this will have in the scope of eternity, which is the only scope that counts, is that God has given us a platform to stand in front of people around the world to do this to bring honor and glory to Jesus Christ," Baylis said.

Baylis believes God guides the team members in their research.

"Not long ago we were struggling in research, so as a team we prayed and it's amazing how God seemed to allow us to have direction that day and to begin walking our way through the problems. We want everything to go back to God — the glory, the credit — it's all his."

Baylis said that this mindset makes a difference in how the team works and think.

"When Dr. Marks and I go to those conferences, like the one in D.C., that's our mission field," Baylis said. "We want to see these people come to Christ. That's our heartbeat and what we're geared towards."

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