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PIONEER

Biotech program gives students edge on careers

By Caroline Ting
Staff Writer

One tiny worm makes a tremendous difference in human biology so researchers need lots of them. The *C. elegans* Gene Knockout Project of Oklahoma Medical Research Foundation helps meet that demand with the assistance of some OKCCC graduates who work in the renowned genetic resource lab.

The lab employs a total of five technicians, three of whom graduated from OKCCC with associate degrees in biotechnology.

Gary Lee Moulder, project manager, said OKCCC's biotechnology program does a great job of preparing students with technical skills.

One of the graduates, 23-year-old Bethany Hannafon, received her bachelor's degree in cell and molecule biology at Oklahoma State University in Stillwater where she transferred after graduating from OKCCC.

"It's interesting to know how much people appreciate what we're doing in a scientific community," she said.

Hannafon said she felt well prepared for the work.

See "Biotech," page 8

Foundation offers one-of-a-kind service

By Caroline Ting
Staff Writer

The *C. elegans* Knockout Project of Oklahoma Medical Research Foundation is the only facility in the world that produces genetic resources for science research purposes and for labs that find it difficult to perform this service on their own, said Gary Lee Moulder, project manager.

C. elegans, short for *Caenorhabditis elegans*, is a small worm with an average life span of two to three weeks. Approximately 25 of these worms, lined up head to tail, measure just one inch. The worms live in soil and survive by eating bacteria, Moulder explained.

C. elegans is about as primitive as an organism can be. Nonetheless, it shares many of the essential characteristics

See "Lab," page 8



Photo by Keah Roggow

Julie Farley, a graduate of OKCCC's biotechnology program, operates the robotic machine at the *C. elegans* Gene Knockout Project. The machine, connected to a programmed computer, picks up solutions and deposits them onto plates, a job that once had to be done by hand. Farley said the computer makes her job much less stressful.

Students to walk for cure

By Daniel Lapham
Editor

OKCCC students will walk for the cure in downtown Oklahoma City this month. AIDS Walk Oklahoma City 2003 will kick off at 12:30 p.m. Saturday, Sept. 27 at the Myriad Botanical Gardens in downtown Oklahoma City.

Charlotte Mulvihill, Gay Alliance and Friends club sponsor, said OKCCC will be represented at the walk.

"We've participated in the walk for the past two years so this will be our third year," Mulvihill said. "We usually have about [six] students who walk."

Mulvihill encourages anyone who is interested in supporting the AIDS Walk to get involved. She said there are several ways people can support the cause.

"They can write a check to AIDS Walk

and bring it to me if they want to support financially or they can join us in the walk," Mulvihill said.

She said students can participate in the walk without joining the club.

"All you would have to do is show up at the Myriad at 2 p.m. and find our group," Mulvihill said.

According to the AIDS Walk OKC website at www.aidswalkokc.org groups and individuals can register anytime between now and the day of the walk. The website has applications.

Mulvihill said each semester the club decides what they want their focus to be. This year, she said, the club seems to have a service approach.

"One of our other goals this year is to bring free AIDS testing on the campus," Mulvihill said.

For more information, log on to the website at www.aidswalkokc.org or call at 682-1611, ext. 7225.



Are you a leap year baby?
If you were born Feb. 29, we want to talk to you. Contact the Pioneer office at 682-1611, ext. 7675 or editor@okccc.edu

Editorial and Opinion

Editorial

Fine print changes meaning

In a world where companies are constantly promising "special rebates" and cash back incentives, it is more important now than ever that consumers read the fine print and educate themselves.

Between the fine print and the constant barrage of e-mail scams promising a big pay-off, a person has to watch his back. All an individual has to do is provide a bank account number, an address and a phone number, and then voila! Their bank account disappears, or at least the money that was in it does.

These days local TV news stations all seem to have a consumer-beware report on their newscast warning watchers of scams.

One such "details in the fine print" cash reward promise comes from a local car dealership.

A local man, the owner of Wooded Acres Auto Service, recently purchased a vehicle from the dealership. One of the perks for buying a car from them was the promise of a cash reward of \$1,000 to \$10,000. The Consumer Cash Reward Certificate was issued by Consumer Cash Rewards LLC in Georgia. Now this looks like a lot of money at first glance, right? Then here comes the fine print.

The fine print is broken up into three basic sections.

The first section is the instructions to "register your certificate." The second section is the instructions on how to "redeem your certificate." Third is the disclaimer section. This section makes everything else null and void. With quotes like, "General CCR, the bank, the ITPA and the Sponsor, their affiliates...have no liability whatsoever to you in connection with this certificate..." This disclaimer continues on and on listing the many ways they are not responsible for any misunderstandings that may result from this cavalcade of legal terms.

So what does an individual do to keep from falling pray to the slick, but completely legal language of the sales world?

The only logical answer is either start reading the micro-print, earn a law degree, hire a lawyer or simply quit looking for the deal that is too good to be true. Because, guess what, it is.

—By Daniel Lapham
Editor

Have a story idea?
Call Daniel Lapham at
682-1611, ext. 7675
or e-mail
editor@okccc.edu

The first week really counts

To The Editor:

The frenzy of August enrollment has ceased, and the merciless Oklahoma heat has given way to some cool September rains.

Chaos and confusion have settled into the comfort of routine. But all is not well with the collegiate world.

The fall semester began without some of you — students who, I fear, have fallen prey to some urban legend, students who have fallen for the myth that nothing happens during the first week of class.

I've already been contacted by faculty desperate to know where some of their students are. OK, they're not desperate, perhaps. But they are certainly curious. Why would anyone go through the agony of filling out paperwork, enrolling, and buying books only to miss the first week of classes? Why scramble for a precious space in an online class if you don't plan to actually log on and do something?

Myth: Nothing happens on the first day (or during the first week).

Fact: It is during that

first meeting that you get the syllabus and meet the professor. Even if nothing else happens, this is very important. Knowing important dates and the expectations of the class are vital bits of information.

Myth: Attendance is optional.

Fact: If you go to class and your professor tells you that attendance is optional, then it probably is. However, success is due in large part to showing up and being counted. Since our faculty are here to teach, they expect an audience.

Myth: I can just wait until the end of the semester and then turn everything in at once.

Fact: Don't even think it.

Myth: If I take an online class, I can do the assignments whenever I want.

Fact: If by "whenever I want," you mean at 3 a.m., then you're correct. These classes follow a timeline just as traditional classes do, so make sure you know when things are due.

If you have fallen victim to some myth concerning attendance and participation, then quickly get in touch with your faculty so

that you can start repairing some of the damage you've done so far. Things should be fixable now. If you wait much longer, they may not be. To discuss everything you need to know about being a successful college student, stop by the Center for Student Development and visit a counselor or adviser.

—Mary Turner
Coordinator of Student
Support Services

PIONEER

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Lacey Lett.....Staff Writer
Keah Roggow.....Photographer
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The PIONEER welcomes letters to the editor and encourages the use of this publication as a community forum. All letters must include the author's name, address, phone number and signature. However, the PIONEER will withhold the name if the request is made in writing. The PIONEER has the right to edit all letters and submissions for length, libel and obscenity.

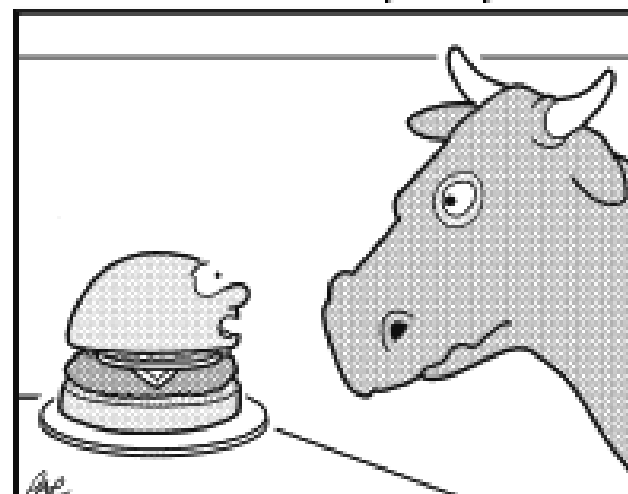
Letters to the editor can be delivered in person to the PIONEER office, mailed to: Pioneer Editor, 7777 S. May, Oklahoma City, Oklahoma 73159 or faxed to 682-7568.

Letters may also be e-mailed to editor@okccc.edu. A phone number for verification must be included.

The PIONEER can be accessed on the Internet at: <http://pioneer.okccc.edu>.



THE JOKE'S ON YOU by Phil Ryder & YOU



"Think of it as 'reconstructive surgery.'"

- Geoffrey Erb • Phoenix, AZ

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Comments and Reviews

Oklahoma rocks for climbers

Let's go climbing!

We will need ropes, harness, climbing shoes, mountains, chalk bag... wait, mountains? We're in Oklahoma!

Some say Oklahoma is flat and mountainless. On the contrary Oklahoma does have mountains.

The Wichita Mountains, located northwest of Lawton approximately 78 miles from OKCCC, have a lifetime worth of exploring and different climbing routes, plus it's free.

The Wichitas are mostly granite for optimal climbing. There are climbs for everyone, beginner to experienced.

A good place to go is Lower Mount Scott.

It's a short hike down to the base where a beautiful

view of Lake Lawtonka is waiting.

If you love to climb but do not have your own gear, you can go to OKC Rocks, an indoor climbing gym in downtown Oklahoma City. Equipment to rent includes climbing shoes \$4, harness \$2, chalk bag \$2 and belay device \$2.

This is a good place for people who are interested in climbing and want to learn.

They will put you through belay training and teach you anything you want to know about rock climbing.

OKC Rocks is an old grain elevator, making the place very unique. The tall elevators and rounded walls make for some fun climbing.

Chandler Park, just west

of Tulsa, is a great place for poor college students. It is known as the "bouldering mecca of the state," according to rockclimbing.com, and best of all it's free.

There's also some good bouldering down in the Quartz Mountain.

For more information on rock climbing in Oklahoma you can check out the Oklahoma Climber's guide by Chuck Lohn, or go online to rockclimbing.com or check out okcrocks.com.

Some other mountains in Oklahoma to check out are the Arbuckles, the Sansbois, the Jack Fork, and the Kiamichi mountains.

They are not the Grand Tetons or anything, but they are mountains.

—**Keah Roggow**
Staff Writer

Christian band comes home

If you've been listening to the radio over the past few months, between Justin Timberlake and Nelly, you may hear a song that is different. The song is called "I Can Only Imagine" or "Word of God Speak."

The band is Mercy Me and they are making their way into the secular market with a Christian sound.

Mercy Me was in concert the evening of Sept. 5, at the First Baptist Church in Moore. The place was packed with college students from all over the state. It was really great to see the diversity of these

students from every walk of life come to hear this band.

The concert started out in great fashion. The band started with a powerful praise and worship set.

There was a short intermission.

Then, they took the stage again and just let it go. They went for the next two hours singing and playing their hearts out for God and the people listening. It was so powerful, the way in which they played and the passion with which they played it.

The band did a lot of new stuff and some songs off

their old CD.

One of the most interesting moments of the concert was towards the end, when the lead singer just started to pour his heart out to us. He gave a testimony about singing and what he does for a living. He went on to say that the band members were all from Oklahoma City.

This was a great concert and a great band to hear.

Next time Mercy Me shows up near this city, I strongly encourage going and seeing them.

—**Brent Hodges**
Staff Writer

Quote of the Week:

As the biggest library if it is in disorder is not as useful as a small but well-arranged one, so you may accumulate a vast amount of knowledge but it will be of far less value to you than a much smaller amount if you have not thought it over for yourself.

—**Arthur Schopenhauer**

Shaggy's PHILOSOPHY Practice humanity

This past week has been a blur of weird energy. Sometimes it seems like I'm parked in a vortex of crazy energy where nothing goes right and everyone's life seems to be spinning out of control.

As I was talking to a friend last week, we were trying to figure out why everything was so crazy.

At least five of my friends have had crazy things happen to them last week like car wrecks, fights, nervous breakdowns and just about anything else you can imagine that could go wrong.

We went outside, looked up and simultaneously said, "full moon." Now, I'm not a superstitious individual, but this week has me convinced that something is wrong with the energy in the air.

Another coincident to this convergence of weird energy is the second anniversary of the 9/11 attacks.

Add all of this together with the pressure of classes and tests and things start to get pretty hectic.

OK, so we've established the fact that life is crazy and many people are on edge.

Now the question is what do we do about it? All I can suggest is simply to be understanding, friendly, patient and most of all tolerant with one another. Because the last thing we need is more animosity in this world.

I mean, think about all of the animosity going on right now, like the conflicts in the Middle East, topped only by the increasing disappearance of our rights here in America.

Now don't get me wrong, I'm not some crazy activist who thinks America is evil, but I do think it is naïve to believe our rights are not disappearing.

Society has socialized itself into a state of self-destructive political correctness. Take a look at the Patriot Act, and the Supreme Courts interpretation of the "Separation of Church and State."

It appears to me that tolerance is a lacking element in America today.

In a social environment where everyone believes they are right, there is a multitude of variations in opinion as to what that truth is. The only way to exist is tolerance.

The thing that upsets and worries me the most is the delusion that making laws that outlaw a person's public display of beliefs is actually a protection of rights.

Yes, the law is necessary for the protection of violent crimes and crimes of property, but when we start making laws that govern an individual's right to believe what they want, then how truly free are we?

—**Daniel Lapham**
Editor

Wellness fair promotes health, quality of life

By Lacey Lett
Staff Writer

A day at the spa? No. It was a day at the OKCCC general dining area Sept. 5 and 6 for the Festival of Hope.

Lessons in maintaining good mental and physical health set the theme among the dozens of booths.

Jewelry, books, masseuses and sand boxes were some the goodies offered by companies around Oklahoma.

Cognitive Systems Inc. set up a booth and computer to show their program that helps in the repair of head injuries, stroke and memory loss and slow learning.

Free massages were popular at the event. Five-minute massages were given to interested students and staff from Central State Massage Academy students.

One Step At A Time founder Jayne Benkendorf set up a booth to teach about homeostasis — a science which teaches the body to be balanced, she said. She also spoke during the festival on "The Hazards of Dieting" and "Dealing with Fear of Cancer." Benkendorf is the author of different books on healthy food and guidelines on health.

Many other vendors gave out free goodies to entice fairgoers to their booths. Pens, notepads, refrigerator magnets and candy were among the items that could be found.



Photo by Keah Roggow

Kameron York, Instructor for the Central State Massage Therapy gives Mike Meeh a massage at the Festival of Hope Friday afternoon.

Life is good...



Photo by Keah Roggow

"You just made my day!" said psychology major Greg Poe, 23, about having his picture made. He and student Josh Clark, 19, are freshmen at OKCCC. Clark said he has plans to join the Marines soon.

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Professor has no illusions about hobby

By Daniel Lapham
Editor

Poof! The world of magic has merged with OKCCC through one of its professors.

Marty Ludlum is a part-time magician when he's not teaching his students the ends and outs of the business world.

Ludlum, a member of the Oklahoma City Magic Club, was on hand to lend support to his fellow magicians at the Ninth Pandemonium of Magic event Sept. 6 at the Omniplex in Oklahoma City.

The packed theater played host to 14 magicians performing a variety of stage magic.

One audience member said he loved the show and was happy he took the time to attend.

"It was excellent. I've never seen this kind of show before," Saul Sanchez, 31, said.

Sanchez's daughter Sierra, 7, also attended.

"My favorite part was when he made the bunny appear."

After the show many of the magicians performed parlor magic for the guests who decided to linger. David Teeman, president of the Oklahoma City Magic Club, was among them.

Teeman explained why they presented the magic show and what their purpose as an organization is.

"The mission of the club is to support the art of magic... in and around Oklahoma City."

Ludlum agreed with Teeman.

"One of the stereotypes we have to overcome as magic performers is that of magic being evil and spiritual. [Magic club members] are here to learn about the art of magic and to entertain people of all ages."

Teeman said none of the magicians received money for their performance at the show.

"Every bit of the proceeds supports the Magic Club."

Another OKCCC affiliate on hand was Yu Da Kim, international business major. Kim said he loves magic.

"I started doing magic my senior year at Bishop McGuinness High School," Kim said. "I ran into an old friend of mine who is a great magician and he started showing me tricks."

Kim said after he graduated high school, he spent a year in Korea learning and teaching himself card tricks and levitation. Now, he said, he attends OKCCC and does magic for parties and special events.

For more information on the Oklahoma City Magic Club and other magic events taking place in the Oklahoma City area, log on to www.okcmagic.com or go to okccc.edu/mludlum.

John Pansze demonstrates juggling techniques with a small cow at the magic show in the Omniplex.



Photo by Keah Roggow



Photo by Keah Roggow

Murphy Villa, a performer for more than 30 years, wows the crowd with a trick involving a silver ball and a scarf.



Photo by Keah Roggow

Mike King shows his talent for catching a plate and balancing the spinning disk on the end of a stick.

Highlights

Psychology/Sociology Club to meet Sept. 18

The Psychology/ Sociology Club is having a reorganization meeting from 12:30 to 1:30 p.m., Thursday, Sept. 18 in room CU8. They will be electing officers for both clubs. For more information call (405) 682-1611 ext. 7231.

Community chorus

OKCCC Community Chorus for the fall semester is set to perform "Vivaldi's Gloria" on Tuesday, Nov. 11. Rehearsal will be from 7 to 9 p.m. every Tuesday in room 1C5 in the Arts and Humanities building. No audition is required and people can take the class for credit or noncredit for \$20. The last day to join is Tuesday, Sept. 23. For more information contact Jonathon Stewart at jstewart@okccc.edu or (405) 682-1611, ext. 7249.

College Club Soccer

College Club Soccer still has spaces available. Come join the team from 5:30 to 7:30 p.m. every Tuesday and Wednesday on the field south of the Child Development Center off of May Avenue. The cost is \$30 per person. The team will play against the University of Central Oklahoma, University of Oklahoma and Oklahoma State University. For more information call Karen Hartline at (405) 682-1611, ext. 7786.

Red Dirt Book Festival

The Red Dirt Book Festival will be held in Shawnee on Friday, Oct. 17 and Saturday, Oct. 18, at St. Gregory's University in Sarkey's Auditorium and Mabee-Gerrer Museum of Fine Art. There will be over 100 authors, publishers and storytellers. There is no registration fee. To register online e-mail www.reddirtbookfestival.org.

Power Wheelchairs available

The Miracle on Wheels program has made power wheelchairs available to nonambulatory senior citizens, usually at no out-of-pocket expense if they qualify. The wheelchairs are provided to those who cannot walk and cannot self-propel a manual wheelchair in their home or independent living quarters. This service may also be available to the permanently disabled of any age. For information and qualifications please call 1-800-749-8778 or visit our web site at www.durablemedical.com

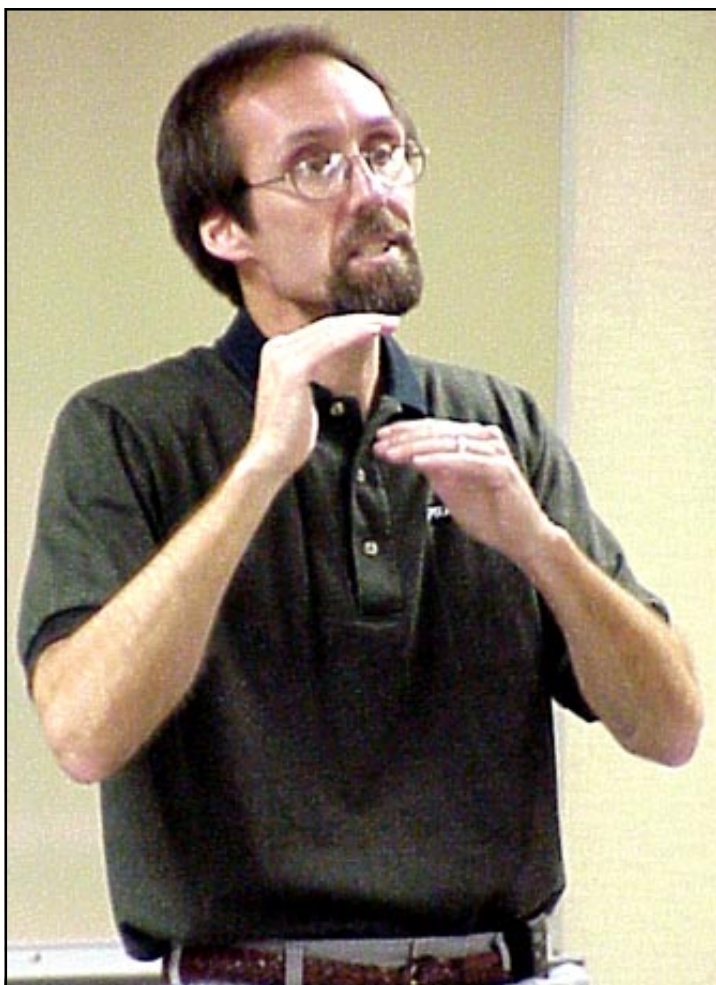
Customer service seminar

The Training Center at OKCCC has scheduled a seminar of paramount importance to the success of businesses both large and small. The Training Center will offer "WOW Your Listeners and WIN the Business" on Tuesday, Nov. 4. Classes are held in The Training Center. For enrollment information, call (405) 682-7562.

Chi Alpha Christian Fellowship

Chi Alpha Christian Fellowship will be meeting in CU7 this year instead of in the theater lobby. The meetings will continue to be on Wednesdays from noon to 1:00 p.m. Everyone is welcome to attend, and a special invitation is extended to new students at OKCCC. Refreshments will be served. Please note that Chi Alpha is a Christian Club and not a fraternity or sorority. For more information call LaWanda LaVarnway at (405) 682-1611, ext. 7329.

Highlights are due by 5 p.m. each Tuesday for publication in the next issue of the Pioneer.



Club feeds soul and body too:

"If you are seeking good things, seek God," said director of Baptist Collegiate Ministries Mike Barnett. The club meets from noon to 1 p.m. every Wednesday in room 3K6 and Thursday from noon to 1 p.m. in room 3N0. Lunch is served at every meeting. The menu normally includes pizza, submarine sandwiches or chicken along with soft drinks and water. All the food is paid for by the Baptist church, but all denominations are welcome. There is a speaker or a testimonial at every meeting.

Photo by Keah Roggow

Nursing sponsor replaced

**By Lacey Lett
Staff Writer**

The Nursing Club will be hard at work this year, but without one of the dedicated sponsors.

Nancy Cook, professor of Nursing, has left sponsorship after nine years of being active in the Nursing Club since the beginning of her tenure at OKCCC. Cook said it was time to rotate the position.

President of the club, Gary Marchant, expressed his gratitude to Cook.

"She's dedicated herself a lot to the club," Marchant. He believes Cook was active and set up a lot of great club assignments. He also commended her teaching. "She's a good instructor that sculpts the mind." Marchant says Cook will be missed greatly.

Connie Kuebeck, professor of Nursing has been a co-sponsor with Cook for two years and said Cook is leaving because she wants to give other teachers the

chance to be a sponsor. Cook agreed. "Ten years is long enough. Let Connie [Kuebeck] and Judy [Ogans] do it. It's time to give someone else a turn."

The Nursing Club is designed for students pursuing their nursing degrees at OKCCC. "Our [membership] drive is for people who are already in program," Marchant said.

The Nursing Club is a locally organized constituent of the Oklahoma Student Nursing Association. They work to help further the discipline for nurses, said Marchant. There will be fund-raisers and a yearly conference that deals with student nursing.

Kuebeck says they are "definitely" going to work on getting scholarships for nursing students.

"Most nursing students work full-time and work in a clinic for no pay. It's hard for them to have time for them to study." She says their program is different than most academic programs.

Club memberships are

"She's a good instructor that sculpts the mind."

—Gary Marchant
Nursing Club
President

extended to nursing majors only, Marchant said.

Their first meeting will be conducted from 4:30 to 5:30 p.m., Thursday, Sept. 25. The club will meet on the fourth Thursday of every month. Marchant said it's hard to incorporate meetings with nursing classes being so vigorous so they aren't certain on the location, but he said it will be in the nursing department.

For more information on joining this club contact Connie Kuebeck at (405) 682-1611, ext. 7644 or Judy Ogans at (405) 682-1611, ext. 7210.

**Call Lacey for club news!
682-1611, ext. 7676**

Classifieds

Pioneer Classified Advertising is free to all currently enrolled OKCCC students and employees for any personal classified ad. Ads must be submitted in writing with IDs supplied or work area and college extension included. Deadline for advertising is 5 p.m. Tuesday prior to the publication date. Call 682-1611, ext. 7674 for more information.

AUTOMOBILES

FOR SALE: '98 Dodge 150 under 80k. Asking \$8,500 OBO 634-6929.

FOR SALE: '97 Toyota, Black, 60k miles. \$4,150. Call Tina after 9 p.m. at 579-0542.

FOR SALE: '96 Nissan Quest Minivan. Well kept, teal, fully-loaded, 174k, \$7,500 OBO. Call 210-7245.

FOR SALE: '96 Chrysler Sebring LXI. V-6 Automatic, tan with gray leather interior, fully loaded, with sunroof, CD player, power everything, 105k miles. \$4,999 OBO. Call 947-0131.

FOR SALE: '95 Nissan Maxima GLE, automatic, pearl white, leather, power windows and locks, sunroof. 17' wheels with four new tires. Asking \$4,000. Call Moe 408-2753.

FOR SALE: '95 Ford Mustang, loaded with CD player. Automatic and new transmission. Runs great. \$3,800 OBO. Call 210-7909.

FOR SALE: '95 Ford Escort. 4-door, 181k miles. New timing belt, brakes, water pump and tune-up. \$1,700. Call 682-1611, ext. 7795 or 364-0924.

FOR SALE: '95 Ford Contour. Very nice! New transmission. V-6 power windows, power locks, sunroof, 130k miles. Must sell. \$3,000 OBO. Call 799-3412 or 613-0803.

FOR SALE: '95 Ford Taurus Sedan, white, 3.0 Liter V-6 a/c, power seats & windows. \$2,800 OBO. Call Eddie at 246-2361.

FOR SALE: '92 Honda Prelude, red, alarm, CD player, tint, all power, sunroof and very clean. \$3,700. Call 229-3683 or 605-0566.

FOR SALE: '92 Honda Prelude. Black, tinted windows, all power, sunroof, runs great. \$5,500. Call 503-7807.

FOR SALE: '89 Ford Taurus. Motor & transmission good. New water pump, compressor, can be fixed up. Asking \$150 OBO. Call Johnny at 408-6882.

FOR SALE: '88 Chevy Caprice, 4 door sedan. Asking \$1,400 OBO. Call 314-8145.

FOR SALE: '87 Cadillac Eldorado. Good tires, runs good. Must sell, have another vehicle. \$1,550 OBO. 602-8834.

FOR SALE: '76 Monte Carlo. 350 engine and transmission. Looks and runs great. \$2,500 OBO. Call 292-7118.

FOR SALE: '76 Ford Econoline, heavy duty everything. Rebuilt engine, 125k. \$1,150.

MISCELLANEOUS

FOR SALE: TI-89 for \$80 in good condition. Call 682-1611, ext. 7269.

WANTED: Calling all parties interested in joining a Christian dance/step team. We conduct all kinds of dance and incorporate stomping, clapping, dancing, singing and chanting. We want to show that there is more than one way to praise God. For more info, contact 503-7807.

FOR SALE: Refrigerator and freezer above. Asking \$125. Call 745-0961.

FOR SALE: 29 ft. Tioga Motor Home. 2000 model 29z, C-class, Ford chassis, V-10 engine, gets 9-10 mpg pulling a tow car, uses unleaded gas, has microwave, oven range, heat/air, shower, bathroom, cable ready, two beds, plus a fold down couch, large awning, exterior stereo, plenty of storage, only 14K. Perfect condition, perfect for travelers on the go! Must see to appreciate. Only \$37,500. See professor Ludlum for more details or call at 682-1611, ext. 7412 or e-mail at mludlum@okccc.edu.

FOR SALE: Bunk bed-twin on top and full on the bottom. Comes with new full mattress \$100 also white child's dresser \$65. Call 605-0549.

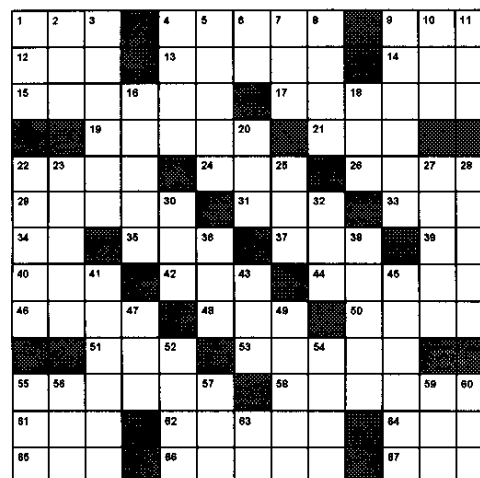
FOR SALE: Full set of Encyclopedia Americana through 2002 \$150. Call 682-1611, ext 7302.

WANTED: Student asst. for Sylvan Learning Center near Crossroads Mall. One evening/week (4 hrs.) and Sat. morning (3 hrs.). Good people skills, work well with children, can multi-task. Start immediately. 631-0700.

FOR SALE: Nearly new for

Weekly crossword

puzz135



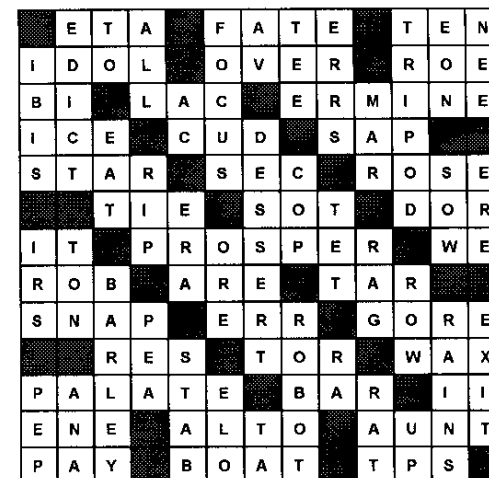
ACROSS

1 Cereal grain
4 Pretend
9 Portion of body
12 Town in Oklahoma
13 Crinkled fabric (var. spelling)
14 Had dinner
15 Comfort in sorrow
17 Sunday Christian festival
19 Go in
21 Came upon
22 Conveyed
24 No relative height
26 Saucy
29 Study of insects (abbr.)
31 Road substance
33 Fish eggs
34 Midwestern state (abbr.)
35 Negative word
37 Had a seat
39 Southern state (abbr.)
40 Droop head
42 Even
44 Natives of ancient Media
46 Absent without leave (abbr.)
48 Parents education group

DOWN

1 Organization of American States (abbr.)
2 Fuss
3 Art
4 Accountant (abbr.)
5 Wicker basket
6 Tantalum symbol (abbr.)
7 Open (poetic)
8 500 sheets of paper
9 Mad
10 Inhabitant (suff.)
11 Each
16 Susan
18 Month (unofficial abbr.)

puzz134



20 Decompose

22 Plant with compounded leaves
23 Bestow upon
25 No longer is
27 Slang for OK
28 Annoy persistently
30 Witty remark
32 Male sheep
36 The extreme end
38 Having moderate heat
41 Depressant
43 7th Greek letter
45 Give
47 ____ Vegas
49 Greek marketplace
52 Tear down
54 One of armed services
55 Used to hit ball
56 Indicates mountain
57 Belonging to a thing
59 007's creator
60 Born
63 Bone

sale. Gateway Astro, excellent condition. CD-rom, floppy drive, Comes with keyboard and mouse. Nothing fancy, but it's perfect for homework and surfing the web. Call Annie at 615-8016.

FOR SALE: Dell Laptop computer Latitude bought rebuilt. Empty files. Comes with case and strap. Call anytime. Leave a message. I will call back, The number is 306-5850. Asking \$575 OBO.

FOR SALE: Book for sale. The Spirit of clay, Microsoft Word 2002 and Camp Keyboarding. All for \$25 OBO. Call 399-2153.

FOR SALE: 35 mm camera, Memorex 6136u Scanner, HP Deskjet 670c, Video Traveler, Cadence 2300 treadmill. For more info. Call 682-1611, ext. 7303.

FOR SALE: Full size sofa and microwave oven, with stand and rollers on it. Both in good condition. Cash only. Sofa \$200 and microwave \$60. Call 912-0890.

FOR RENT

FOR RENT: Roommate needed to share a 2 bedroom apartment on the northeast side of OKC. Bills included in rent. For more info. Call 755-1867.

FOR RENT: Location N.W. 16th & Young. 15 minute drive from OKCCC. Special discount for Students. Contact

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Biotechnology graduates offer advice to job seekers

"Biotech,"

Cont. from page 1

"[OKCCC's program] gave me a lot of hands-on experience that I would not have learned [at another college]."

She said she felt she was ahead of other students at OSU because of the good foundation she received at OKCCC. Hannafon said she would encourage other students to get as much experience in their fields as possible, especially hands-on experience, before entering the workplace.

The other two graduates, Julie Farley and James Robertson, also both participated in the college's biotech program.

Farley, 27, said she started at OKCCC as a computer science major, but after talking with Dr. Charlotte Mulvihill, biotechnology program director, she became interested in the subject and wanted to know more.

Both Hannafon and Farley completed their internships at the OU Health Science Center before working at OMRF.

Farley's recommendation for those who would like to work in a lab is to "learn everything you can and be open about anything that comes your way," she said. "Don't

be afraid of change."

Farley said she might pursue a bachelor's degree in research, microbiology or forensic science in the future.

Robertson, 32, said he worked in a different lab at OMRF before starting the knockout project.

He believes his experience at OKCCC gave him an edge when looking for work.

Robertson said his early training at OKCCC helped him succeed at his job by giving him actual lab equipment experience. He said if a person is already familiar with the equipment a lab's using, it's much easier for the lab supervisor to train that person. In turn, that makes a person more marketable.

Robertson said another bonus to getting an associate degree in the field is that many labs might pay for a lab worker's bachelor's studies if the person already has a two-year degree.

He said he's noticed that a lot of people with bachelor's degrees don't really have much lab experience.

At the lab, Hannafon, Farley and Robertson are each assigned a separate set of duties, but they ultimately work together on tasks as a production team, Hannafon said.

Moulder said there are some valuable characteristics lab per-

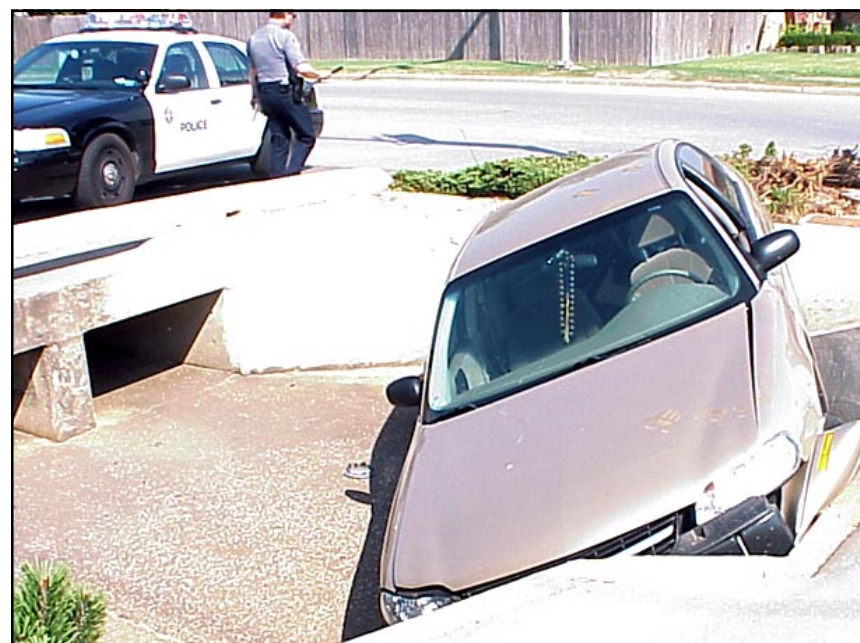


Photo by Keah Roggow

Ditched Day:

Owner of this car, Melissa Dorough said she and her 3-year-old daughter escaped injuries when another car entered her lane while she was driving through the intersection at S.W. 74th and Regents Boulevard, where a stoplight was recently installed. Dorough, who was reported to have been traveling about 40 miles per hour, hit a curb with her car and landed in a drainage ditch.

According to a report filed with campus safety and security, the other car left the scene but was followed by a witness. Witness Jacob Rosecrants said: "A lady followed the guy that did it and caught him." Rosecrants said the woman was able to find the car in an OKCCC parking lot and get a tag number. OKCCC Safety and Security officers said they may have found the car with the keys still in the ignition with the car running, but it wasn't confirmed at press time.

sonnel should have in order to work well with others on the job.

Besides good technical abilities provided by the college's biotechnology program, he said, a re-

search laboratory employee also should have fundamental interests in biological research. Effective oral and written communication skills are essential as well he said.

Laboratory isolates mutants for researchers', scientists' studies

"Lab,"

Cont. from page 1

that are central to human biology, according to the bioscience website biosci.umm.edu/CGC/WhatisCe/wormintro.htm.

In other words, Moulder said, studying and analyzing *C. elegans* is highly beneficial for understanding human diseases and developing human drugs.

Once the specific genes in a worm have been identified, the lab then takes it a step further through mutation. After scientists and researchers request certain genes, Moulder said, the main task the lab performs is to take out the mutants in a particular gene that has been requested. Mutants are ever-changing. Mutants are like words in a sentence, he said, and isolat-

ing mutants from a gene is like taking out words from a sentence.

Therefore, they are removed from the requested genes so the scientists and researchers can study the gene in its purest form.

That way the lab will be able to see what happens to a gene when its mutants have been completely eliminated.

The lab provides the resources free of charge and without any preference Moulder said.

The lab has the capacity of producing genetic resources for 15 requests per week with a total of five employees. It is funded by the National Institutes of Health.

The *C. elegans* Knockout Project will also make up a major part of Oklahoma's biotechnology development in the future.

"[The project] will raise awareness of the capacity of students, people working in Oklahoma, to

succeed on an international level," Moulder said.

Moulder also was a student at OKCCC when he chose to go back to school as an adult. He graduated from Southern Nazarene University with a bachelor's degree in chemistry. He's also had an extensive background in business.

It has been 10 years since Moulder first started working for Dr. Robert Barstead, project director, as his lab assistant.

Moulder said he likes to do what's meaningful in life, and he said he's always been interested in biology, so he enjoys the management part of his job as well as the ongoing learning process in the field.

Many same-function labs were set up in the past but they all struggled or failed, Moulder said, and a resource laboratory such as theirs is successful when extensive

genetic backgrounds meet extensive management skills.

The idea behind exploring the secrets of *C. elegans* was first proposed by Nobel Prize winner Sydney Brenner of the United Kingdom in 1963. Brenner shared his Nobel Prize in Physiology or Medicine 2002 with H. Robert Horvitz of the United States and John E. Sulston of the UK.

"Without this project, it would be very difficult for young researchers to compete with larger established groups," Moulder said.

For more information on *C. elegans* or the laboratory, log onto www.mutantfactory.ouhsc.edu and elegans.swmed.edu.

Moulder also recommends an easy-reading volume for those who are interested in knowing more about genetics. The book is called "The Cartoon Guide To Genetics" by Larry Gonick and Mark Wheelis.