

# Biology: Today's technology plays a role in experiments

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test Evolution, which is the development of a different reproductive physiology.

Bill Rice, a biologist from the University of California at Santa Cruz, described how a mutant development of a big tail in certain species of male birds serves to attract more females. Over time, females in the same population with the big-tailed males evolved a decreased attraction to these males with the bigger tails. Then

the males developed even bigger tails, and the females developed an even stronger resistance.

"There's this arms race going on between the sexes, and its by-product is reproductive isolation," Rice said. "We've seen this in guppies, which are very colorful. They pay a price by increased predation. Presumably they get a big enough benefit in [number of mates] that it makes it worthwhile."

Rice explained that in his ex-

periment, forced monogamy was used to determine whether ICE was helpful or harmful to the species as a whole.

Rice put a male and female mosquito together in a container. "Males became nicer to females [because] females didn't have to invest in not being hurt [by several male mosquitoes harassing them for sex]," he said. "We've found that monogamous lives produced more babies over time."

If one defines "beneficial" as

having the greatest amount of offspring produced, this finding meant that evolution was not beneficial for the species, Rice said.

In all of the experiments the speakers presented at the symposium, technology was a large reason behind the experiments taking place.

"A lot of the speakers were doing experiments that wouldn't have been possible even 10 years ago," said John Willis, a University biology professor. "Now, be-

cause of molecular biology tools that are now available for all biologists to use, we can answer all sorts of questions."

Lynch said he was excited by the conference: "I think the exciting thing about this conference is just the documentation of new evidence. Speciation is entering a new era where we can do experimental work and test ideas. There's specific hypotheses that allow us to go out and do critical tests of these hypotheses."

# Crime: Three rapes have been reported near campus in two years

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gravated assaults in 1994, seven in 1995 and only one in 1996.

In 1994, there were 252 thefts from campus buildings. There were 194 thefts from buildings in 1995 and 177 in 1996. Three forcible sexual assaults occurred in 1996 and none in the two years prior.

There were three non-forcible sexual assaults [also described as sexual abuse] in 1994, six in 1995 and seven in 1996, Guse said.

According to information obtained from Bev Mason of the Eugene Police Department, there were two reported rapes in the campus area in 1996 and one in 1997. The area runs north to south from Franklin Boulevard to East 18th Avenue, and east to

west from Agate Street to Kincaid Street.

Guse said the victim of an attempted rape has the edge in the situation in that the perpetrator has to hold the victim's arms down, cover the victim's mouth to keep him or her from yelling and also take the victim's clothes off, as well as his or her own.

The biggest enemy of a potential victim is fear, Guse said.

"The rapist is at the disadvantage," he said. "How is [the rapist] going to do that unless he [or she] has fear working for him [or her]?"

Guse said people should be aware of their surroundings during evening hours or when few people are around.

"Keep your mind about you," he said.

"Think about things around you."

Being prepared for a personal attack includes being able to run from an attacker, which begins with dressing appropriately, Guse said.

"Don't present yourself as a victim," he said. "Don't dress in a fashion that will prohibit you from running," he said.

OPS and the Eugene Police Department have worked together to curb the number of rapes and attempted rapes in the campus area. Several years ago, numerous sexual assaults were reported to have occurred at a University parking lot at East 14th Avenue and Kincaid Street during a short time span, Guse said.

The two departments have made the parking lot a 24-hour enforcement area, and

the number of reported assaults has dropped to zero, Guse said.

Other areas of concern to local law enforcement officials in the campus area during the past few years include theft, forgery, drug abuse, vandalism and consumption of alcohol by minors.

EPD statistics showed that students and other residents in the campus area reported 152 thefts in 1996 and 106 in 1997. Fourteen forgery charges were reported in 1996, and 12 were reported last year. The number of drug abuse arrests rose slightly from 1996 to 1997, from 43 to 53.

Fifty-seven liquor violations were reported in 1996, and the number rose steeply to 80 last year. Residents reported vandalism ten times in 1996 and 12 times in 1997.

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