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	Wednesday, January 22	2003 Posted: 6:55 AM EST (1155 GMT)				CNN: Your Home Page			
	COLLEGE STATION, Texas (AP) Sure, you can clone your favorite cat. But the copy will not necessarily act or even look like the original. Rainbow the cat is a typical calico with splotches of brown, tan and gold on white. Cc, her clone, has a striped gray coat over white. Rainbow is reserved Cc is curious and playful Rainbow is						Shop at Netscape Advertisement		
	reserved. Cc is curious and playful. Rainbow is chunky. Cc is sleek. Wayne Pacelle of the Humane Society might be inclined to say: I told you so. But then, so would cc's creators at Texas A&M University. Cc (for carbon copy) is just over a year old. Her birth December 22, 2001, was big news								
NO LATE FEES! Try Netllix for FREEI	when it was annound was the first time a h	ced last February becau nousehold pet had been mmal clones were barr	use it Story To	<u>wethis</u> (Stati	ENAUL THIS MOST POPULAR				
<u>Video</u> <u>Newswatch</u> <u>E-Mail Services</u> <u>CNN To Go</u>	Clone, a company th from people's desired pets. Last February, A&M researchers pu	nded by Genetic Savir tat hopes to make mono s to duplicate their fave in the journal Nature, iblished details of the p s that showed cc was a	ey prite the roject <u>Gene</u>	tic Savings & Clo					
Web CNN.com	will be disappointed		a pet annot	s A&M University	y's cat cloning				
	And as far as appearance, having the same DNA as another calico cat doesn't always produce the same coat pattern.								
	"This vindicates the opposition we espoused from the beginning, that cloning does not lead to duplication," said Pacelle, senior vice president of the Humane Society of the United States.					,			
	10	er	duplicate, behavior of keep aroun shelters an homes, an	does cloning not p but it can never re or personality of a nd. There are milli d with rescue gro d the last thing we n strategy for cats	produce the cat that you wan ions of cats in ups that need e need is a new				
	Cc was was born De	scember 22, 2001, and	had hundr cost of \$8 sick or dea Savings & that the co	birth of cc, Gene eds of pet DNA sa 95 for healthy animals. Lou H clone chief exect st to create a clone re figures and late	amples stored at a mals and \$1,395 lawthorne, Gene utive, has estima will initially be	a for tic ted in			

Cc was was born December 22, 2001, and was 7 weeks old in this picture.

Though cc's arrival sparked a deluge of calls from pet owners, more research is needed to figure out how to produce consistently healthy clones before the company can start doing it commercially, said Ben Carlson, the company's spokesman.

four figures.

"A year ago, we said we'd start commercial services in a year, and here we are a year later," Carlson said. "It's really impossible for us to make a certain prediction as to how long it's going to take to develop the technology to get successful results."

There is a demand from dog lovers, but scientists so far have been unable to clone a canine. In fact, cc's creation was the result of a dog lover, not a cat lover. University of Phoenix founder John Sperling wanted a duplicate of his collie mix, Missy. With his \$3.7 million, Texas A&M

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launched the "Missyplicity" project more than four years ago. Now, Missy is dead, euthanized last year because of an inoperable growth on her esophagus.

## 'This isn't Fluffy'

Sperling has redirected his funding to the Sausalito, California-based Genetic Savings & Clone, which he hopes will one day deliver a clone of Missy. Carlson said the company tells pet owners that cloning won't resurrect their pets and that the company has turned away some customers clearly interested in getting the same animal.

"In the short term, it's easy to exploit that misperception," he said. "But in the long term, it's unethical, and the pet owner will quickly find that, 'Hey, this isn't Fluffy, this puppy doesn't recognize me or know all the old tricks."

However, he said cloning could reproduce what a pet owner considers to be exceptional genes, particularly from an animal with unknown parentage or one that has been spayed or neutered.

"A small percentage of the population know exactly what they want and they want to stick with it -- another animal as similar as possible," Carlson said. "That's the motive we've encountered among our clients."

But disclaimers could go unheard by pet owners desperate to duplicate an animal, said University of Pennsylvania bioethicist Arthur Caplan, a critic of cloning and companies that purport to sell it.

He said animal lovers bond with pets because of their personalities and behaviors, not the genetic material that defines the immune system or blood type.

"The new cloned dog won't know the old tricks -- you have to teach them," Caplan said. "It doesn't matter how many genes they have in common."

With the Missyplicity funding gone, Texas A&M will continue trying to break new ground in cloning farm animals, wildlife and dogs, but it is finished with cats and any commercial pet venture. As for cc, the Texas scientists say she has shown no signs of genetic defects.

"She's been perfectly healthy and perfectly a cat ever since her birth," Kraemer said. "That's true of all our clones. You'd have to be told they were cloned in order to know" they weren't conceived the natural way.

Even so, cc has been protected by a sterile environment, a precaution to make sure she is healthy. Visitors are not allowed to pet her. That will change gradually when she moves into her new home with Kraemer and his wife, Shirley.

The Kraemers will introduce her slowly, first exposing her to people who have cats before letting her cavort with their other two felines. In time, they plan to breed cc and let her produce some carbon copies of her own. But they are looking for just the right tom.

"Our geneticists haven't gotten back with that information," Kraemer said.

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