

MONDAY

Waiting game

Harvey Mason up for Grammy this week

Accent, 3B



Bulls beat 'boys
Riders struggle to stay aboard
Realtors' concern
Selling fees not standard
Bilingual Bard
Shakespeare for the '90s

Crashing through

Women shattering workplace ceiling

Moneyplus, 1D



The Arizona Daily Star

Serving Tucson and Southern Arizona
Final Edition, Tucson, Monday, February 24, 1997

Vol. 156 No. 55 **

90¢ U.S./\$1.00 in Mexico 60 Pages

Scientists clone adult mammal for 1st time

Raises possibility of copying humans, ethical questions



The successful cloning of a sheep by Drs. Ron Wilmut and Ian Wilmut is a scientifically stunning feat.

NEW YORK - Researchers cloned an adult mammal for the first time, an astonishing scientific landmark that raises the unsettling possibility of making copies of people. Scientists slipped genes from a 6-year-old ewe into unfertilized eggs and used them to try to create pregnancies in other sheep. The result: a lamb named Dolly, born in July, that is a genetic copy of the ewe. The feat opens the door to cloning prized farm animals such as cattle and should make it much easier to add or modify genes in livestock, experts said. Scientists had thought that was impossible. Experts said the same technique might make it possible to clone humans but emphasize that it would be unethical to try.

There is no clinical reason why you would do this. Why would you make another human being? said Ian Wilmut, one of the scientists who cloned the sheep. "We think it would be ethically unacceptable and certainly would not want to be involved in that project." Carl Feldbaum, president of the Biotechnology Industry Organization, which represents about 700 companies and research centers in the United States and abroad, agreed. "I can think of no ethical reason to apply this technique to human beings, if in fact it can be applied," he said yesterday. "The biotechnology industry exists to use genetic information to cure disease and improve agriculture. We opposed human cloning when it was a theory. Now, that it may be possible, we urge that it be prohibited by law." A report on the sheep cloning will be published in Thursday's issue of the journal Nature by Wilmut and colleagues at the Roslin Institute near Edinburgh, Scotland.

Before the new work, scientists were able to take tissue from adult frogs and create genetically identical tadpoles. But the tadpoles never developed fully into frogs. To do the sheep cloning, scientists took cells from the ewe's udder tissue and cultivated them in a lab, using a treatment that made the cells essentially dormant. They also took unfertilized sheep eggs and removed the nucleus, the cells' central control room that contains the genes. Then they put the udder cells together with the egg cells and used an electric current to make them fuse. The eggs, now equipped with a nucleus, grew into embryos as if they'd been fertilized. The embryos were put into ewes to develop. The process was horrendously inefficient. Of 277 fused eggs, only one led to a lamb. Wilmut said he expects the efficiency to improve. Someday a dairy farmer, for example, could clone a superior cow. See CLONE, Page 10A

Iditarod dreams keep mushers on racing trail

WILLOW, Alaska - It can hurt to hang on to a dream. So Linda Joy discovered last year, racing in her first Iditarod. Her left knee was bending in ways a knee shouldn't, its main ligament snapped by a sliding mishap the month before. Her fingernails were coming loose for unknown reasons, so she stuck them down with Superglue. Then, about 200 miles into the 1,100-mile race, Joy's sled tipped over as it crested a snowy hill. She bounced along behind it, clinging by one arm as her team of 16 huskies charged downhill. She saw the tree stump coming and knew she would hit it if she didn't let go of the sled, but she also knew how easily a runaway team of dogs can be injured. Linda Joy held on. The stump smashed into her face, and the dogs lurched to a halt, then looked back curiously at their driver, blood now dripping down her cheek. Joy threw the sled upright, tatted blood, and called out, "All right, kids, let's go!" Saturday, Joy and her huskies will be on the run again, joining 53 other mushers and more than 800 dogs in the 25th annual Iditarod Trail Sled Dog Race. Like its racers, the Iditarod has never known enough to let go, enduring animal-rights protesters, fickle corporate sponsors and the nasty surprises of subarctic winters to become a touchstone of Alaska's mythically tough frontier spirit. After 25 years - long enough in this young state to qualify as ancient tradition - the Iditarod captivates fans worldwide with its blend of cute See MUSHERS, Page 4A

Hats off to him



Tucson Chrysler Classic winner Jeff Sluman crowns his achievement by holding off the Conquistador helmet trophy at the Omni Tucson National Golf Resort & Spa yesterday. Sports, Page 1C.

These blankets are made in the colors of love

the talents of young and old - from golden agers who have been knitting and purling all their lives to pre-teens not quite sure how to hold a crochet hook. Volunteers may click on entire albums on their own less experienced crafters create a square at a time. That creative harmony is one of the joys of the project, Huisenga said. "Each blanket could conceivably be made by 40 people, because there are 40 squares to a blanket," she explained. "Every square is important, and every square is needed." Huisenga and her mother-in-law, Janet Huisenga, started the Tucson chapter last July after realizing that their shared love of sewing and other craft work could benefit others besides their immediate families. They began by crocheting and knitting afghans themselves, and See BLANKETS, Page 3A

First-born found more likely to resist change

It is a classic management problem. A company is rolling along, unaware that the bumps it is hitting signal the need to change the way it does business. If isn't really broken, the chief executive thinks, so there's no need to fix it. A little tinkering will do the trick. But as company after company - from Eastman Kodak to General Motors to IBM - has shown, that way lies disaster. The mystery is why so few smart, worldly wise chief executives see the need to forestall a corporate revolution before disaster hits. Frank J. Sulloway has a theory: Too many first-born men rule the nation's corporations. First-born children, he thinks, based on 29 years of research, are authoritarian conformists, assiduously interested in preserving the status quo. Later-borns are more adventurous and receptive to innovations. See FIRST-BORN, Page 3A

WEATHER
Cloudy, windy. Today is expected to mostly cloudy and windy. Look for a high near 70 and a low in the low 40s. Yesterday's high was 73 and the low was 36. Details on Page 11A.

2 dead, 6 hurt in Empire State Building drama

NEW YORK (AP) - A gunman fired into a crowd of tourists on the observation deck of the Empire State Building yesterday, killing one person and wounding six others before fatally shooting himself in the head. Ali Abu Kamal, 69, died without regaining consciousness five hours after the shootings, Mayor Rudolph Giuliani's press office said. His passport said he was a Palestinian from Ramallah, on Israel's west bank, who came to the United States Christmas Eve, Giuliani said. Witnesses said dozens of people - many of them foreign tourists - fled in panic toward stairways and elevators as Abu Kamal sprayed bullets on the outdoor deck that surrounds a large, windowed room on the 86th floor. "I've never seen so much blood in my life," said Belgian businessman Stef Nys, who said he saw the man shoot himself and fall, his dentures popping loose. "The most scary part was when people started to panic." The man muttered something about Egypt seconds before he began shooting at about 5 p.m. on the observation deck of one of the world's best-known tourist sites, witnesses said. Abu Kamal used a 38-caliber handgun which he apparently bought in Florida at the end of January, Giuliani said. Police weren't sure of the significance of his remarks about Egypt. A city police terrorist task force and FBI agents were



Tishna Haysgood, left, and Lisa Virgin, center, receive blankets from Jill Rich, an Operation Deep Freeze volunteer.

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