

# THE ARIZONA REPUBLIC

50¢

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TUESDAY, AUGUST 7, 2007

## TODAY'S QUICK READ

### YOUR WORLD



TOM TINGLE/THE ARIZONA REPUBLIC

#### A happy return from Iraq

More than 70 Army Reserve soldiers left for Iraq in July 2006. On Monday afternoon, they finally came home. Mario Marquez (above) welcomes home his wife, Staff Sgt. Joanna Marquez, in a Mesa reunion filled with relief. **Valley & State, B1, B8**

## Nation & World

**Bridge replacement on fast track:** Minnesota wants a new bridge to be built in 16 months. The deadline for interested contractors to contact the city? Wednesday morning. **A10**

**Edwards takes swipe at Bill Clinton:** Without naming names, Democratic presidential hopeful John Edwards says Clinton let special interests shape NAFTA. The move is designed to highlight Hillary Clinton's relationship with lobbyists. **A6**

## Valley & State

**Phoenix music pioneer dies:** Lee Hazlewood, a singer, songwriter and producer who helped put the Phoenix music scene on the national map in the mid-'50s, has died at age 78. **B1**

**Today's editorial:** The big and the powerful like to exert control. And the NFL is becoming very effective at throwing its considerable weight around. **B4**

**Today's letter to the editor:** Enough now about the doom and gloom of the foreclosure market. **B4**

## Sports

**Work needed, but Brown doing well:** After watching right tackle Levi Brown practice for two days, Cardinals offensive-line coach Russ Grimm is pleased with Brown's understanding of his duties. **C8**

**D-Backs maintain lead:** Behind-the-scenes leadership steers Diamondbacks into first place. **Paola Boivin, C1**

## Business

**Fairmont Scottsdale Princess to expand:** The \$230 million project, which will be announced later this week, will add 334 rooms and transform the resort into the largest hotel in the Valley. **D1**

**Blue Cross Blue Shield unveils health savings account:** The company expects more customers to use the accounts to take control of their health-care finances. **D1**

## YOUR LIFE

### Your health

**Toy recall has parents on alert:** The latest in a string of recalls involving products made in China continues to create a stir at Valley toy stores. **Arizona Living, E1**

## Weather



**Chance of rain:** Partly to mostly sunny. High 97. Low 78. **B8**

## Index

Astrology **E8** Obituaries **B6, 7**  
AZ Economy **D3** Opinions **B4, 5**  
Comics **E6, 7** Puzzles **E6, 7**  
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NFL **C8** Valley 101 **B8**

**Classified:** Looking for a great deal? Find it inside Republic Classified, **CL1**, behind the **Arizona Living** section.

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# 1st effort to save miners fails

## Rescue work continues in Utah cave-in

By Paul Foy  
ASSOCIATED PRESS

**HUNTINGTON, Utah** — Hundreds of rescuers struggled with falling rock and debris Monday in a desperate race to reach six coal miners trapped 1,500 feet below ground by a cave-in so powerful that authorities think it may have been caused by an earthquake. As the rescue stretched into the night, workers were unable to make significant progress and the initial

effort was declared a failure. "I'm very disappointed. That's one step backward," Robert E. Murray, chairman of Murray Energy Corp. of Cleveland, a part-owner of the Crandall Canyon Mine, told reporters at an evening briefing. More than 16 hours after the collapse, searchers had been unable to contact the miners and could not say whether they were alive. If they survived, Murray said, they could have enough air and water to last

several days. "They could have been struck by material and injured or killed, but we don't know that yet," he said. Rescuers planned to spend the night bulldozing a road outside the mine to make way for a drilling rig that can punch holes large enough to improve ventilation and determine whether the men are alive, Murray said. They also planned to continue drilling from inside and outside the mine, he said.

See **MINERS** Page A8



An unidentified woman sits outside a senior center in Huntington, Utah, awaiting information on the six miners trapped inside a coal mine.

DANNY CHAN  
LA/SALT LAKE  
TRIBUNE

# ARIZONA ASTRONOMERS HELP MAKE GIANT DISCOVERY

## Planet beyond our solar system largest ever seen

By Anne Ryman  
THE ARIZONA REPUBLIC

Lowell Observatory in Flagstaff is part of an international team that has discovered the largest-known planet.

The planet, named TrES-4, is 20 times the diameter of Earth and 1.7 times the diameter of Jupiter, the largest planet in our solar system.

Scientists say that the planet outside the solar system probably is composed mainly of hydrogen and that it's unlikely anything lives there because the temperature is a fiery 2,300-degrees Fahrenheit. The planet has the density of balsa wood and probably thins out considerably in the upper atmosphere.

"There is probably not a really firm surface anywhere on the planet. You would sink into it," said Georgi Mandushev, a Lowell research scientist and lead author of an article announcing the finding in the peer-reviewed *Astrophysical Journal Letters*.

The newly discovered planet circles a star 1,400 light-years away in the constellation Hercules.

Lowell is part of a three-telescope network that made the discovery. The other telescopes are at California Institute of Technology's Palomar Observatory in San Diego County and in Spain's Canary

### Inside look at the largest-known planet

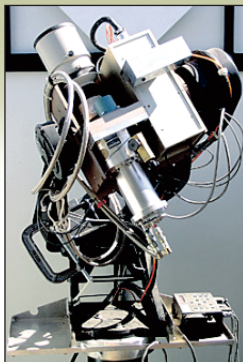
A network of small automated telescopes in Arizona, California and the Canary Islands has discovered the largest-known planet. The new planet was first noticed in Flagstaff by Lowell Observatory's Planet Search Survey Telescope (PSST).

#### About the planet (TrES-4)

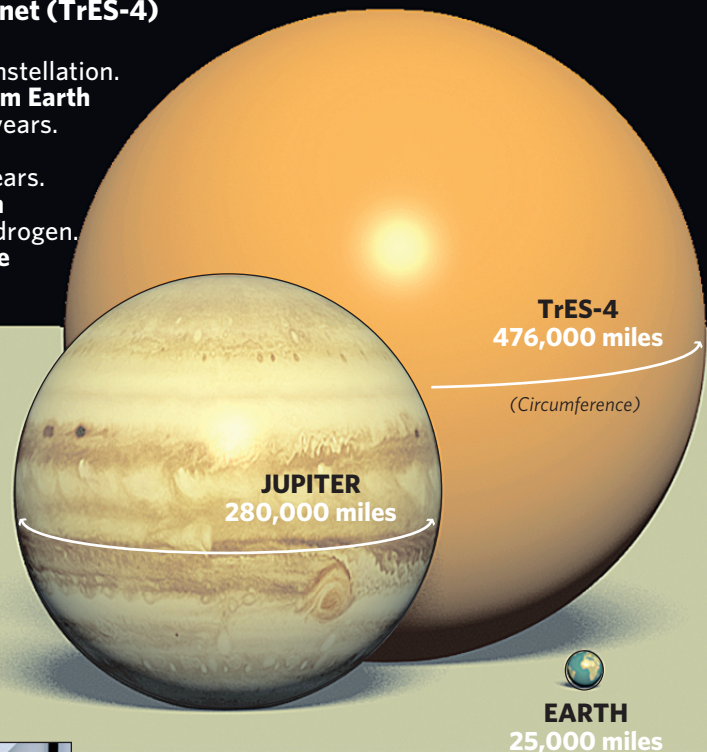
- **Location** Hercules constellation.
- **Distance from Earth** 1,400 light-years.
- **Age** 4.5 billion years.
- **Composition** Probably hydrogen.
- **Temperature** 2,300° F.

#### Low density

TrES-4 is in a category of massive planets called "puffy planets." Although it is 70 percent larger in size than Jupiter, it has the density of balsa wood.

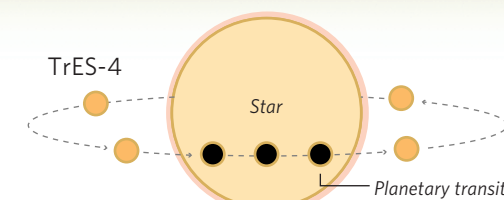


Lowell Observatory's Planet Search Survey Telescope (PSST)



### Measuring light to find planets

1 Planets that pass between the Earth and their star cause a slight reduction in light that is emitted during their transit.



2 Telescopes on Earth take timed exposures all night for as many nights as the planet is positioned between the Earth and its star. After two or more transits, the images are analyzed.

Sources: Lowell Observatory, California Institute of Technology, Republic research

ANDREW LONG/THE ARIZONA REPUBLIC

# High bacteria levels close Slide Rock again

By Shaun McKinnon  
THE ARIZONA REPUBLIC

High bacteria levels in Oak Creek forced the state to close the popular Slide Rock State Park swimming area Monday for the 13th time this season.

But state park officials say the number of closures doesn't mean the creek, outside Sedona, poses an ongoing health threat to vis-

itors. Instead, it reflects the most ambitious programs in Arizona, and one of the most active in the country, to monitor water for recreational use.

Rangers at the park sample the water daily at five locations, looking for high levels of bacterial contaminants such as E. coli, which can cause illness and even death in humans. If the tests turn up too much bacteria, the swim-

ming area is closed.

"We usually close it about a dozen times a year," park Manager Steve Pace said. "We might be having a bad year for bacteria this year."

A study released today by the Natural Resources Defense Council found serious water-quality problems at hundreds of

See **BEACHES** Page A7

## Beach bound?

Get more info about tainted beaches, including a searchable database and tips at **azcentral.gns.gannettonline.com**. Go to subheading "beaches."



# Back to the books as summer break ends

They came in new shoes, with new backpacks to meet new teachers.

There were hugs for friends not seen for months and plenty of hugs from parents anxious that everything would go just fine.



Students across the state Monday went back to school, an August ritual filled with equal parts excitement and nerves.



MARK HENLE/THE ARIZONA REPUBLIC

LeRoy Engram helps his grandson, Michael Connor, enroll Monday at Central High School in Phoenix.

## Complete coverage

- See the first day of school through the eyes of one high-school freshman. **Valley & State, B3**
- Activists hit high schools, urging students to remove their contact information from lists given to the military. **B1**
- Congressman Harry Mitchell taught U.S. government for nearly three decades. But there are things the textbooks and all those lessons didn't prepare him for. **Arizona Living, E1**

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