



By Themba Hadebe, AP

1-0 win: Carles Puyol, right, after his header goal.

'It's history': Spain heads to first final

■ Spanish team tops Germany, to face Netherlands on Sunday as each takes aim at first World Cup trophy, 1, 3, 6C

Thursday, July 8, 2010

Newsline

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By Eileen Blass, USA TODAY

In Philadelphia: James Evans pauses at a fountain.

East heat: Enough already

■ Three-digit temperatures shatter records, overtax power grids, 3, 12A

Feds: Al-Qaeda aided 2009 subway plot

Prosecutors say a high-ranking fugitive with the terrorist group helped organize foiled plan. 2A.

BP vows to do better by boat owners

Energy giant promises to hire more local vessel operators to aid in Gulf oil spill response. 4A.

■ Money: Bargain hunters lift market

Experts say investors hunting cheap stocks likely set off surge that pushed Dow up 275 points. 4B.
► Hotmail hot after revamp. ★★½ review, 3B.

■ Sports: PGA stars get mentally ready

Tough Oakmont course awaits Pettersen, Gulbis, others prepping for U.S. Women's Open. 10C.

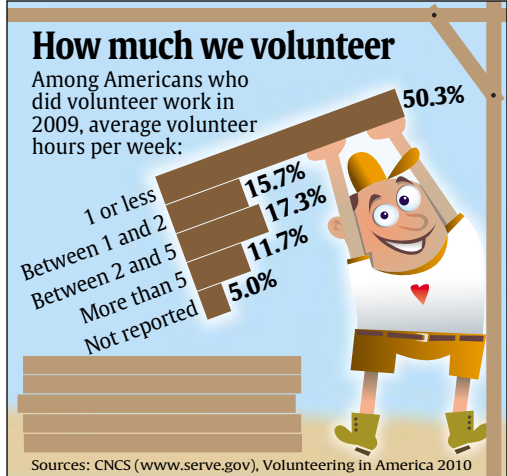
■ Life: Sour notes for concert industry

Troubled economy causes American Idol Live, Jonas Brothers, other high-profile tours to cancel. 1D.
► Doctors on Facebook, Twitter to reach out. 6D.

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Market scoreboard 4B
State-by-state 8A
TV listings 8A

Lance hits a rough road

■ At Tour, Armstrong finds 'bad luck,' 1, 8C



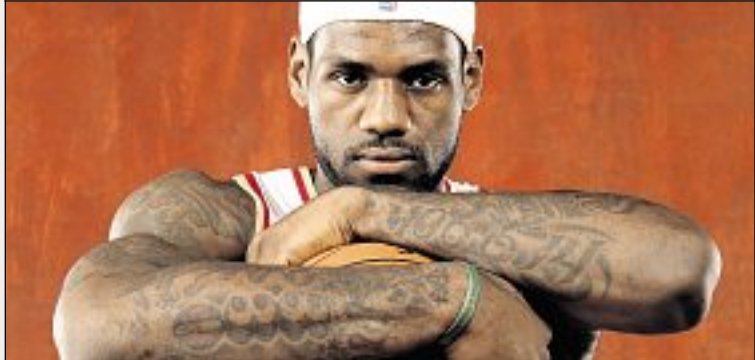
Mary Badham: As Scout in 1962 movie.

Why 'our national novel' still matters

■ Fans of Harper Lee's *To Kill a Mockingbird* honor 50th anniversary of classic story, 1D

The LeBron Show

- **The Decision:** James will reveal his choice tonight at 9 ET on ESPN
- **The drama:** 5 teams — 1 winner
- **The deals:** Pros and cons ■ 1-2C



By Chris Covatta, NBAE via Getty Images



The genome:
Big advances,
many
questions

By Sam Ward, USA TODAY

Gene research is a 'new biology'

By Steve Sternberg USA TODAY

Every Wednesday at 3:15 p.m., a few dozen Stanford University medical students turn their backs on the sun, gather in a high-tech classroom and flip open their laptops.

The summer class they're taking is a foray into the future of medicine. The course title, Genetics 210, Genomics and Personalized Medicine, betrays little about how personal the journey will be. The students will study their own DNA and unlock the mysteries of their ancestry, medical destiny and longevity.

Cover story

"The students will learn troubling things," says Stanford geneticist Stuart Kim, the class's faculty sponsor. "You will learn that you have a predisposition for lots of different diseases. Some may learn that their ancestors aren't who they thought they were, that their father isn't their real father."

Ten years after President Clinton hailed the completion of the first draft of the human genome, on June 25, 2000, these doctors-to-be are grappling with the many challenges posed by a dawning era of genomic medicine.

The race to sequence the genome, which took 10 years and cost \$3 billion, has been overtaken by a new goal: to sequence genomes by

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In races, Wall St. ties can be risky

Candidates press rivals on their financial work

By John Fritze USA TODAY

WASHINGTON — They're campaigning in dozens of states across the country, but their opponents are hoping to tie them down to one place: Wall Street.

As bankers take heat for the worst recession in decades, dozens of political candidates with financial experience are being challenged to explain their role in the banking sector's collapse.

Rivals are raising the issue against California GOP gubernatorial candidate Meg Whitman, a Goldman Sachs board member in 2001-02.

Florida Democrat Alex Sink, also running for governor, has had to address her past as a Bank of America executive.

The debate on Capitol Hill over President Obama's proposal to impose new restrictions on the financial industry has kept alive discussion of Wall Street bailouts and bonuses — two years after the 2008 meltdown. The House passed Obama's bill last week.

In Ohio, Democratic Gov. Ted Strickland has criticized his Republican opponent, former congressman John Kasich, for his work at the now-bankrupt Lehman Brothers. Strickland's first television ad of the general election features a laid-off worker who says Kasich "made millions" at the firm.

"Voters understand that the economic recession we're facing didn't start in Ohio. It started with the reckless practices on Wall Street," said Strickland campaign spokeswoman Lis Smith. "Congressman Kasich was a part of that reckless culture."

Kasich earned \$587,175 in salary and bonuses from the firm in 2008, according to the *Columbus Dispatch*.

It's unclear how well the message is resonating. Strickland held a 43%-38% lead over Kasich in a June 29 poll by Quinnipiac University. That margin was the same in a Quinnipiac poll in March, before the ad began.

"These ceaseless attacks by Ted Strickland ... just aren't believable and the polls show they're backfiring," said Kasich spokesman Rob Nichols.

In Florida, the Republican Governors Association ran an ad portraying Sink as "one of them" for her banking work. She was president of Bank of America's Florida operations from 1993 to 2000.

North Carolina-based Bank of America in 2009 acquired Merrill Lynch, which had huge losses.

Similar message wars are playing out in House races, too. In Upstate New York, Republican Matt Doherty is under pressure from a GOP rival for his decade-long stint on Wall Street.

Doug Hoffman, Doherty's primary opponent, has said Doherty is funding his campaign with Wall Street bonus money. Federal Election Commission reports show Doherty has loaned his campaign \$500,000.

Doherty embraces his background. He says on his website that the experience "will be highly useful in dealing with the economic crises our country is facing today."

Latest police weapon: iWitness?

What your iPhone says can be used against you

By Amber Hunt USA TODAY

iPhones store more information than users may realize, and some of it could be used against them if they're ever charged with a crime.

Law enforcement officials have long used phone records and, more recently, e-mails and text messages to help solve crimes. Now a field of forensic study is emerging that deals with iPhones specifically, targeting GPS data, browser history and other potentially incriminating information.

"Very, very few people have any idea how to actually remove data from their phone," says Sam Brothers, a cellphone forensic researcher with the U.S. Customs and Border Protection who teaches investigators how to retrieve iPhone data.

Self-described former hacker Jonathan Zdziarski, who has written a book, *iPhone Forensics*, has been tapped by agencies nationwide to teach how the information is stored.

Zdziarski says BlackBerry devices are harder to pull data from. He says the Android smartphone

system might lend itself to forensics exams.

Apple did not return phone calls or e-mails seeking comment.

Data that Zdziarski says iPhones store:

► Screen shots after mapping applications are closed.

► GeoTags and identifying information with photos posted online.

► The user's browser history.

Zdziarski says he has helped law enforcement agencies gather evidence in criminal cases, at both state and federal levels. Brothers says he has testified in state and federal cases. Neither would discuss specific cases.

Adam Gershowitz, a professor at the University of Houston Law Center, says the new technology brings concerns about whether investigators have the right to search someone's iPhone.

So far, the courts have treated mobile phones like a within-reach container that police can search the same way they can check items in a glove box or cigarette pack, Gershowitz says, though the Ohio Supreme Court in 2009 barred warrantless searches of cellphone data. The matter is being appealed to the U.S. Supreme Court, he says.

Hunt reports for the *Detroit Free Press*

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