



The Changing Science Media Landscape



Science in the national media

- *Science sections have all but disappeared in the traditional national print media.*
- *The broadcast networks largely cover science under a space, health or technology umbrella.*
- *USA Today, the Washington Post and the Wall Street Journal ended their Science sections, leaving just the New York Times.*



FACT: Nearly 40 million Americans rely on the internet as their primary source of news about science.

- *Television is first (41%) as a science news source.*
- *The internet is now second (20%)*
- *Newspapers and magazines are third (14%)*
- *For home broadband users, the internet and TV are equally popular sources of news.*
- *In homes with broadband, 44% of young adults get their science news from the internet.*

*Pew Internet and American Life Project survey
Funded by the National Science Foundation*

- 
- NSF is adapting to the rapid changes in the way information is conveyed to the American public.
 - The landscape is changing even as we watch it.
 - The major traditional providers of science content are trying to adapt to the new media landscape as well.



NEW MOON
FOUND
ARC
JUP
Is Du
Lifeline
in the
By BILL
and NICK B
DIT — Wa
ment lifeli
eral Moto
ed in int
lay with
omobile
its vast b
re.
fale what
argest re
100-year
ep it mu
e of a 51
from th
outline is
er as mar
t. will fur
hutter m
America
f brands
ccording
ecable abo
remaining
evroket, C
to shrink
will not m
ecement v
pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work

NEW YORK, TUESDAY, FEBRUARY 17, 2009

Today, sunny, high 3
creasing clouds, low
becoming cloudy, rain
starting as a mix-
h

Late Ed

NSF is supporting traditional science
journalism and media whenever it can:



For instance, the ISE program:

- Underwrites the science desk and science coverage at the Lehrer News Hour on PBS.
- Partially underwrites some of NOVA's in-depth, multi-part science coverage.
- Sponsored the new SciGirls program on PBS.
- Sponsors Neil DeGrasse Tyson on NOVA Science Now.



E-mail This Page

the Online NewsHour

FUNDED IN PART BY



BROWSE BY REGION TOPIC RECENT PROGRAMS LOCAL TV LISTINGS SUBSCRIPTIONS TEACHER RESOURCES Search GO

Science Reports



Sign up for e-mail alerts of upcoming science reports. SUBMIT SCIENCE REPORTS PODCASTS

MAIN: SCIENCE REPORTS BODY AND BRAIN EARTH AND ENVIRONMENT SPACE TECHNOLOGY VIDEO ARCHIVE FOR TEACHERS

IN THE NEWS

Global Monitors Work to Confirm Nuclear Claims



May 29, 2009 Update Global networks of seismic and other monitoring systems are working to confirm North Korea's nuclear test claims.

Astronauts Complete Hubble Repairs



May 22, 2009 Slide Show Astronauts aboard the space shuttle Atlantis completed final repairs on the Hubble Space Telescope in May. NASA hopes the repairs will keep the telescope operating for five more years. View photos from the mission.

IN-DEPTH COVERAGE



GLOBAL WARMING DEBATE

POLAR RESEARCH

SPACE STORMS

Alternative Fuels

January 28, 2009 Carmakers are looking to alternative fuels such as ethanol, natural gas and hydrogen to improve fuel economy, decrease greenhouse gas emissions and transition from foreign to domestically produced fuels. In this in-depth report, learn about the science and politics of alternative fuels, and explore how your car's fuel costs and emissions stack up to similar alternative fuel vehicles.

ADDITIONAL RESOURCES

Contact Us

Sign up for e-mail alerts, request science DVDs or send us comments on our science coverage.

RSS Feeds

Get the latest science updates and in-depth reports.

Podcasts

Download audio versions of our science reports.

New NSF media initiatives

- 1) Background webcast briefings with *Nature*, *Science* and *PNAS*
- 2) *Science Nation* with ex-*CNN* science team
- 3) *Science Minute* with Discovery's *Science Channel*
- 4) *The Science of Speed* with the *NASCAR* Media Group
- 5) *The Science of the Winter Olympics* with *NBC Learn*
- 6) Roundtables and science policy forums with *Discover Magazine*
- 7) In-depth science features with *LiveScience*, an online news service
- 8) Original programming with *Link TV* and *ResearchChannel*





NSF supports the science and technology section in U.S. News & World Report





Got the Latest Headlines? Click here for free U.S. News widgets



Friday, June 26, 2009

Subscribe | Contact Us | Article Index

Nation & World Health Money & Business Education Opinion Science Photo Video Rankings Search U.S. News Search

Science

Home > Science

- Science
- Environment
- Plants & Animals

advertisement

An available Solar Powered Ventilation System* helps cool the interior.

SEE THE PRIUS ▶

Options shown. *View@dealtime.com

Saturn's Moon May Host an Ocean

Enceladus' geysers could have delivered sodium from its underground ocean and into Saturn's E ring.

- Scientists Discover a Nearly Earth-Sized Planet



MORE SCIENCE NEWS

- 'High' Wallabies Blamed for Aussie Crop Circles
- Migraines May Carry Long-Term Baggage
- Saturn's Moon May Host an Ocean
- Study: Women Look Away More From Abnormal Babies
- Burmese Pythons Slithering Their Way North?
- All-Electric Car-Sharing Debuts in Baltimore

ENVIRONMENT



Coral's Communication Critical for Healthy Reefs

Disruptions are causing the decline of coral reef systems around the world.

- Oldest Sea Creatures Have Been Alive 4,000 Years

TECHNOLOGY



Robotic Gardeners: MIT Droids Tend Plants

A class of undergraduates at the Massachusetts Institute of Technology has created a set of robots that can water, harvest and pollinate cherry tomato plants.

- Robots Replace Humans as the Great Explorers

Content provided by
National Science Foundation
 WHERE DISCOVERIES BEGIN



Scientists Create First Comprehensive Computer Model of Sunspots

These first models of entire sunspots show striking, beautiful detail.



The Secret of a Snake's Slither

Mathematicians uncover the hidden patterns and movements that snakes use to move without legs.



Arctic Thaw May Result in Snowball Effect

Researchers predict permafrost thaw will increase atmospheric carbon concentration.

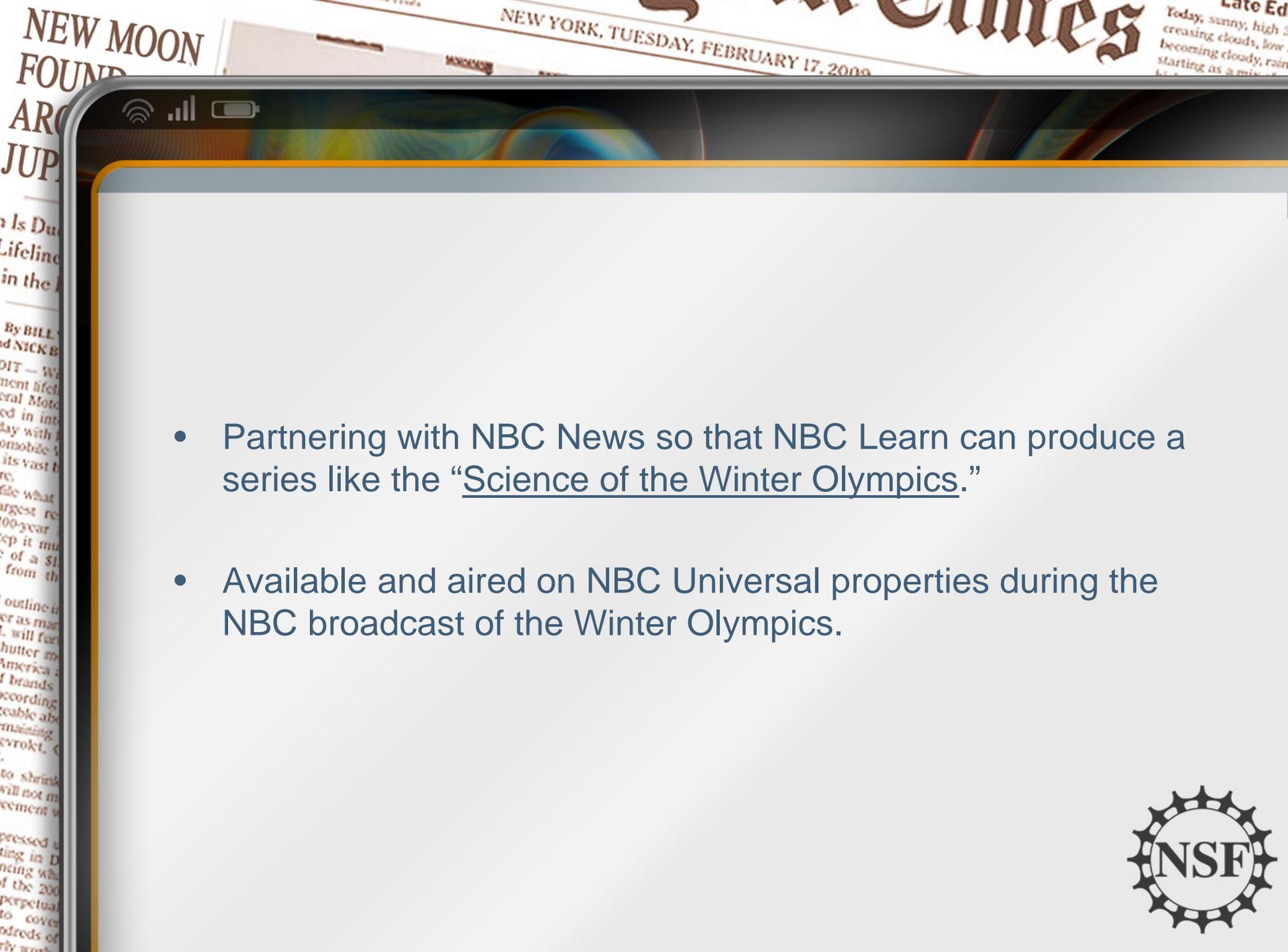
advertisement

Scholarships available for parents going back to school

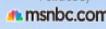
Are You Snoring Yourself To Death?

View Your Most Updated Credit Report for Free

Provided by: **ARR lifestyle.com**

- 
- Partnering with NBC News so that NBC Learn can produce a series like the “Science of the Winter Olympics.”
 - Available and aired on NBC Universal properties during the NBC broadcast of the Winter Olympics.



How do I cut branch office bandwidth **COSTS** without cutting **BANDWIDTH**?

 **Microsoft**
Patrick
IT Manager

- TV LISTINGS
- RESULTS & SCHEDULES
- MEDALS
- SPORTS ▾
- NEWS & FEATURES
-  VIDEO
- PHOTOS
- TWEETS & BLOGS
- TEAM USA
- NATIONS
- ATHLETES
- MY HOMETOWN COVERAGE
- MOBILE, ALERTS, SHOP & MORE ▾

SCIENCE OF THE OLYMPIC WINTER GAMES

NBC Learn and the National Science Foundation explore the science that makes athletes swifter, higher, stronger.



NOW PLAYING Olympic science: Snowboarding
Go inside snowboarding with The Science of the Olympic Winter ... [MORE](#)

CONNECT & SHARE INSIDE THIS VIDEO

-  Facebook
-  Twitter
-  Digg
-  Windows Live
-  De.icio.us

Your Desire.
Our Purpose.



Save money. Live better.

- Video
-  [Olympic science: Snowboarding](#)
 -  [Olympic science: Slapshot physics](#)
 -  [Olympic science: Aerial physics](#)
 -  [Olympic science: Figure Skating](#)

NBC Learn



© 2009

NEW YORK, TUESDAY, FEBRUARY 17, 2009

The Times

Today, sunny, high...
creasing clouds, hi...
becoming cloudy...
starting as a mi...

NEW MOON FOUND

ARC

JUP



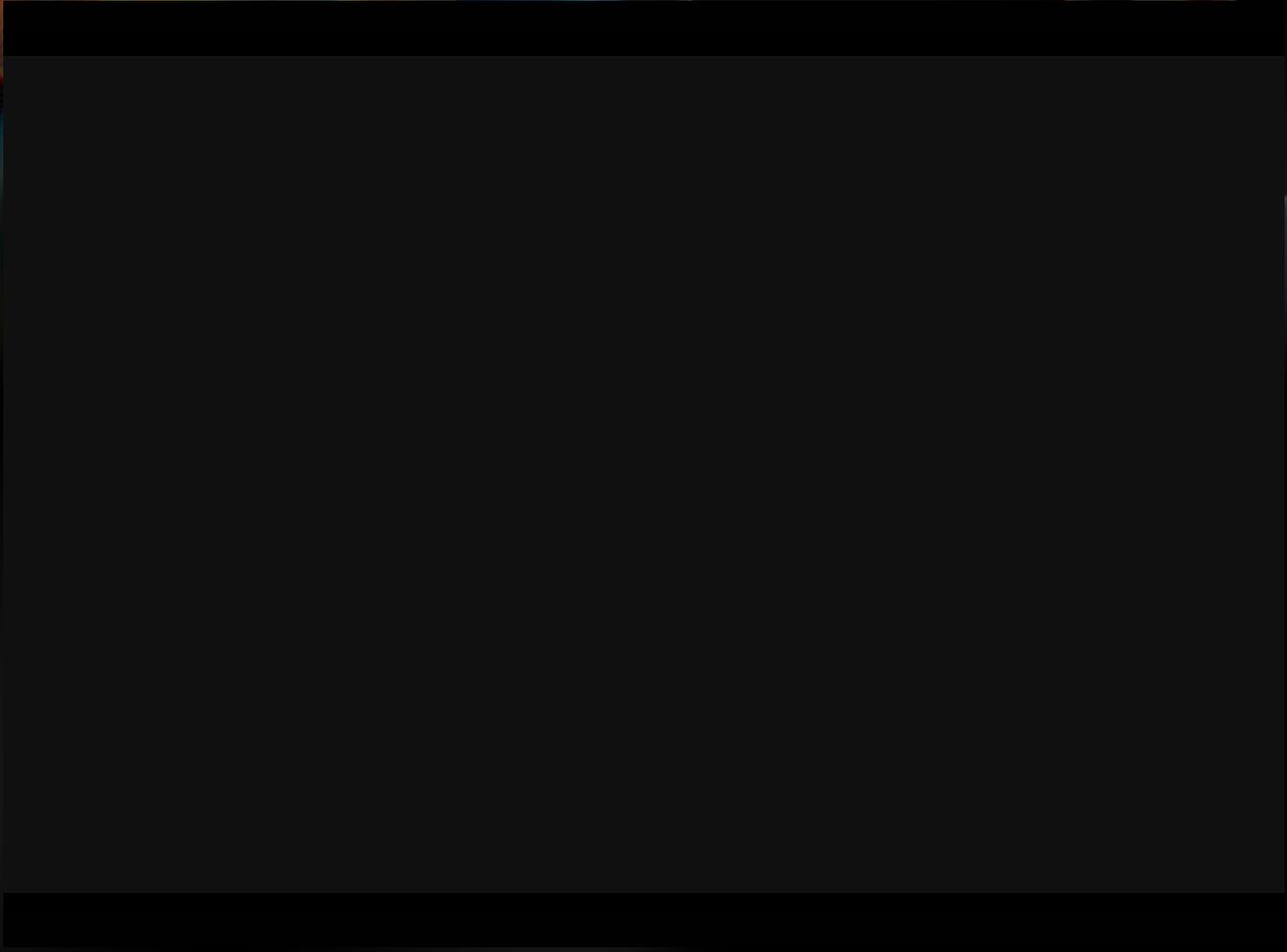
Is Du...
lar Lifeline...
a lin the

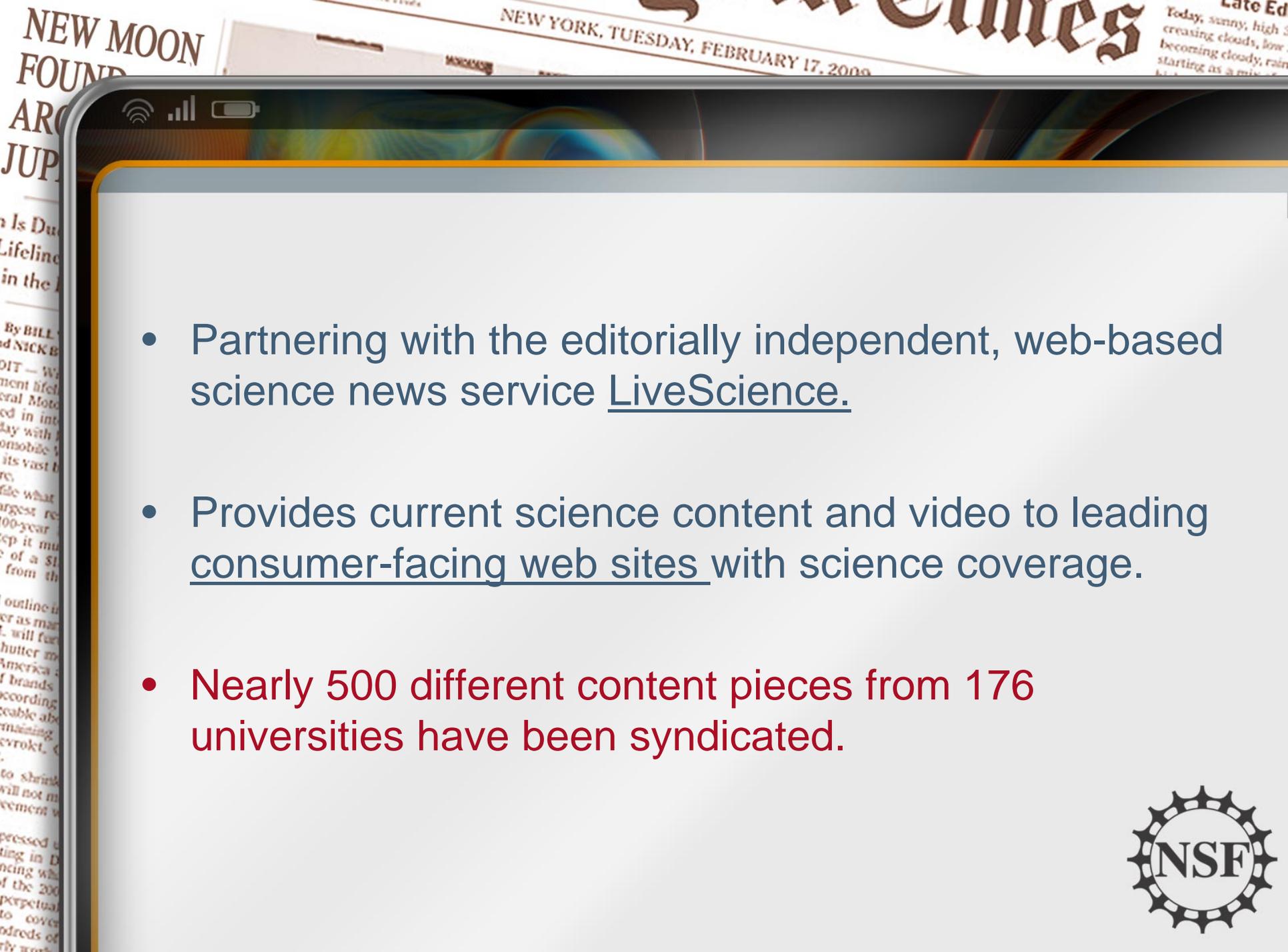
By BILL...
and NICK B...

ADIT — Wa...
ment lifel...
ETR...
eral Moto...
cerned in int...
Get...
lay with...
locomobile...
M...
its vast t...
Au...
o care...
file what...
th largest re...
will...
he 100-year...
hep it mu...
its...
of a \$1...
a from th...

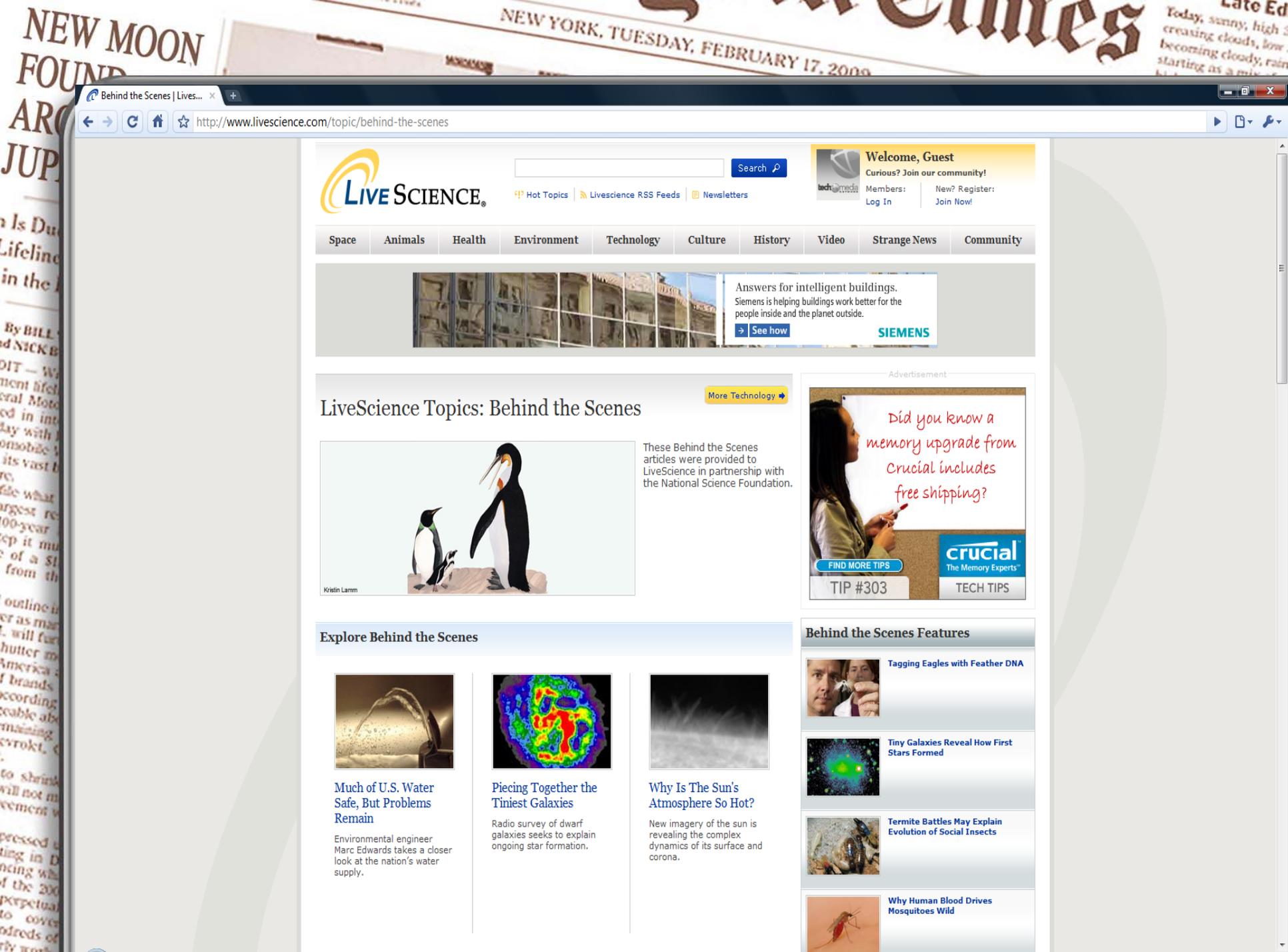
ka...
outline in...
ent...
er as mar...
t. will fear...
ail...
w Chutter m...
America...
of brands...
neup...
cable abo...
ow...
The...
be...
to shrink...
will not m...
ab...
an

pressed...
ting in D...
a ning wh...
on of the 200...
rpic...
to cover



- 
- Partnering with the editorially independent, web-based science news service LiveScience.
 - Provides current science content and video to leading consumer-facing web sites with science coverage.
 - Nearly 500 different content pieces from 176 universities have been syndicated.





Search

Hot Topics | Livenesscience RSS Feeds | Newsletters

Welcome, Guest
Curious? Join our community!

Members: Log In | New? Register: Join Now!

- Space
- Animals
- Health
- Environment
- Technology
- Culture
- History
- Video
- Strange News
- Community

Answers for intelligent buildings.
Siemens is helping buildings work better for the people inside and the planet outside.

[See how](#) **SIEMENS**

LiveScience Topics: Behind the Scenes

More Technology



Kristin Lamm

These Behind the Scenes articles were provided to LiveScience in partnership with the National Science Foundation.

Advertisement

Did you know a memory upgrade from crucial includes free shipping?

crucial
The Memory Experts™

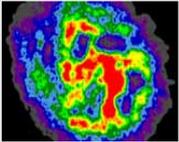
FIND MORE TIPS | TIP #303 | TECH TIPS

Explore Behind the Scenes



Much of U.S. Water Safe, But Problems Remain

Environmental engineer Marc Edwards takes a closer look at the nation's water supply.



Piecing Together the Tiniest Galaxies

Radio survey of dwarf galaxies seeks to explain ongoing star formation.



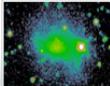
Why Is The Sun's Atmosphere So Hot?

New imagery of the sun is revealing the complex dynamics of its surface and corona.

Behind the Scenes Features



Tagging Eagles with Feather DNA



Tiny Galaxies Reveal How First Stars Formed



Termite Battles May Explain Evolution of Social Insects



Why Human Blood Drives Mosquitoes Wild

Get RSS feeds and email updates from Yahoo! Green

GREEN HOME LIVING GREEN GLOBAL WARMING TOOLS BLOGS

SEARCH YAHOO! GREEN FOR: Search Green

Even in the Desert, Plants Feel the Heat of Global Warming



By [Monica Konija](#)
National Science Foundation
[LiveScience.com](#) Posted Sat Apr 3, 2010 6:02am PDT

- This Behind the Scenes article was provided to LiveScience in partnership with the National Science Foundation.

Global warming is a hot topic, and it's causing concern for scientists studying winter annuals in the Sonoran Desert.

While desert winters have become warmer and drier over the years, [climate changes](#) have pushed the arrival of winter rains later in the year, forcing winter-annual plants like the curvenut combseed (*Pectocarya recurvata*) to emerge later when temperatures are colder.

In 1982, Larry Venable, an ecologist at the University of Arizona (UA) in Tucson, began a study at The Desert Laboratory on nearby Tumamoc Hill in order to investigate adaptive "bet-hedging" in plants.

Bet-hedging is an adaptive response by seeds that allows them to delay germination. The delay lets the plant attempt survival by avoiding harsh environmental periods. The germination delay can be caused by insufficient rainfall, lack of nutrients, inappropriate temperatures or any adverse condition that would affect the survival of a seed. The seeds can remain dormant for extended periods if the environment is unfavorable for germination and survival.

"No one had bothered to study real desert annuals to see what happens, and here I was, suddenly working as a plant ecologist in the middle of the desert," Venable said. "The theory involved plants that hedge against year-to-year variation in reproductive success, so I thought I'd set up some field plots and measure it."

The later arrival of [Sonoran desert](#) winter rains pushes the germination of the winter annuals later into the year and has affected the types of winter annuals that dominate the location. Researchers measure carbon and nitrogen in the plants' leaves to learn how well the various species grow at winter's lower temperatures.

"The species that we are calling, 'cold-adapted' species have high lifetime-water-use efficiency (WUE) as measured with carbon isotopes," said study author Sarah Kimball, a research associate in UA's department of ecology and evolutionary biology and a colleague of Venable's. "They also have high amounts of nitrogen in their leaves. The high nitrogen, along with instantaneous gas exchange measurements, indicate the plants have a high investment in light-gathering capacity, which indicates a greater ability to photosynthesize under low temperatures." Kimball added.

The plant's greater ability to photosynthesize translates into a greater ability to use energy from sunlight and convert it into food, improving chances for survival. Venable and his colleagues found that plants with more

0 votes

buzz up

Digg

submit

LIVING GREEN

All about saving energy, money, and the planet



Where to start:

- [Buying a fuel-efficient car](#)
- [Commuting](#)
- [Finding a green job](#)
- [Gardening](#)
- [Recycling](#)
- [Recycling electronics](#)
- [Researching global warming basics](#)
- [Researching your vote](#)
- [Reusing stuff](#)

[All Living Green Topics](#)

ADVERTISEMENT

One More Reason: Jesse's Focus Fuel Economy

ROLL OVER FOR VIDEOS >

MORE GREEN STORIES

The only immortal animal
This amazing creature may have discovered the fountain of youth.

Fashion designer at age 10
She's America's youngest designer and one of the most eco-conscious too.

DISCOVER & THE NATIONAL SCIENCE FOUNDATION
PRESENT

Unlocking the Secrets and Powers of the Brain

DISCOVER and the **National Science Foundation** are launching a series of events that will explore the great questions in science today—and the answers that could transform our lives tomorrow.

In the first event, “Unlocking the Secrets and Powers of the Brain,” leading psychologists and neuroscientists will debate the hottest issues in brain research, from predicting behavior to manipulating memory to understanding consciousness. Hosted by the Franklin Institute in Philadelphia, the panel will be moderated by the award-winning author (and **DISCOVER** columnist) Carl Zimmer.

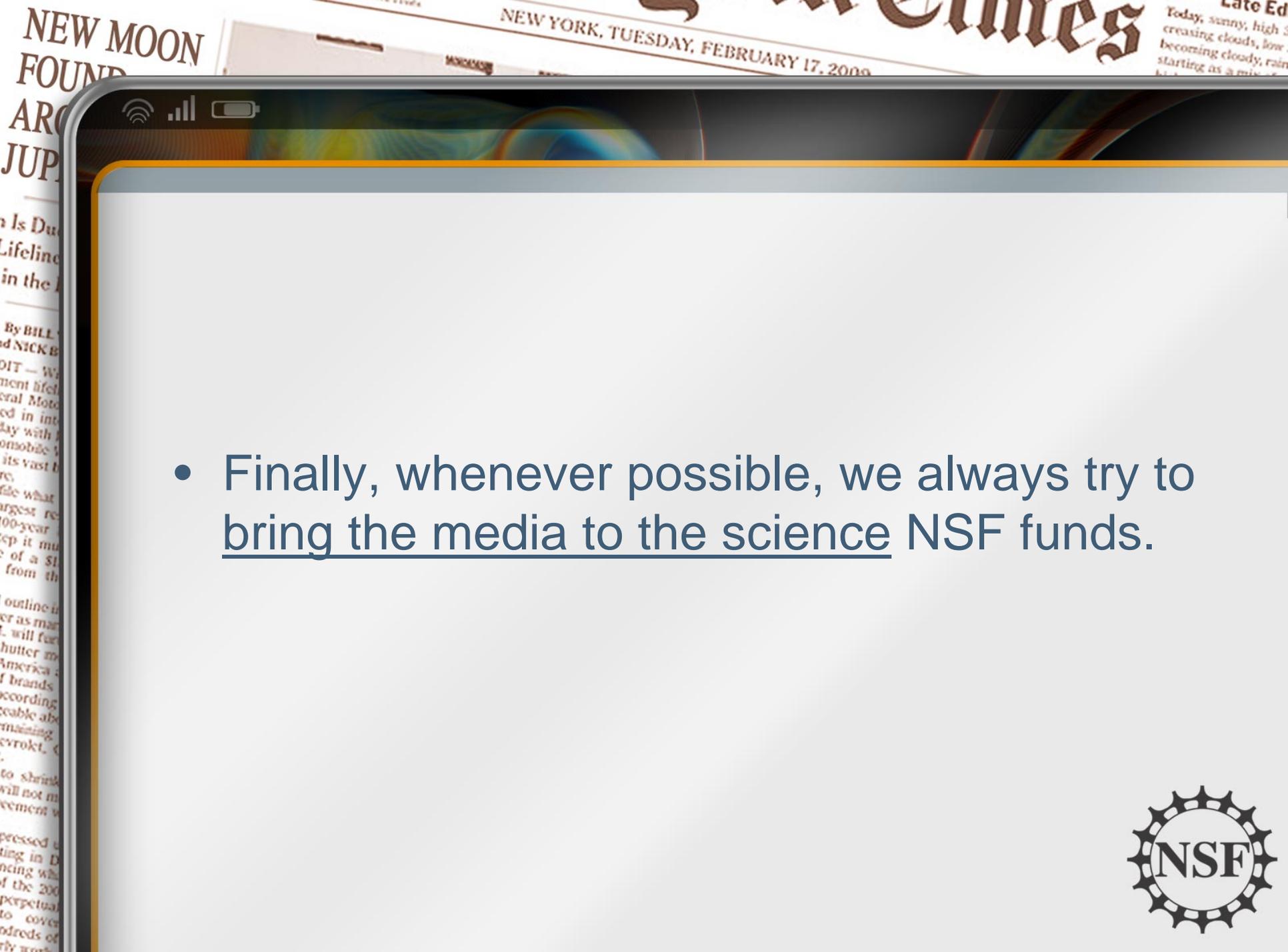
THE FRANKLIN INSTITUTE · NOVEMBER 6, 2008 · 7 PM · RECEPTION TO FOLLOW

WATCH FOR FULL COVERAGE ONLINE AT DISCOVERMAGAZINE.COM



DISCOVER



- 
- Finally, whenever possible, we always try to bring the media to the science NSF funds.



Hello jnesbit | [Change Preferences](#) | [Sign Out](#)

The Washington Post

TODAY'S NEWSPAPER
[Subscribe](#) | [PostPoints](#)

Advertisement

America's Natural Gas.

It's the natural choice...now.

» [Learn more about the Natural Gas resources available to us today.](#)

- NEWS
- POLITICS
- OPINIONS
- BUSINESS
- LOCAL
- SPORTS
- ARTS & LIVING
- GOING OUT GUIDE
- JOB
- CARS
- REAL ESTATE
- RENTALS
- CLASSIFIEDS

SEARCH: [go](#) | [Search Archives](#)

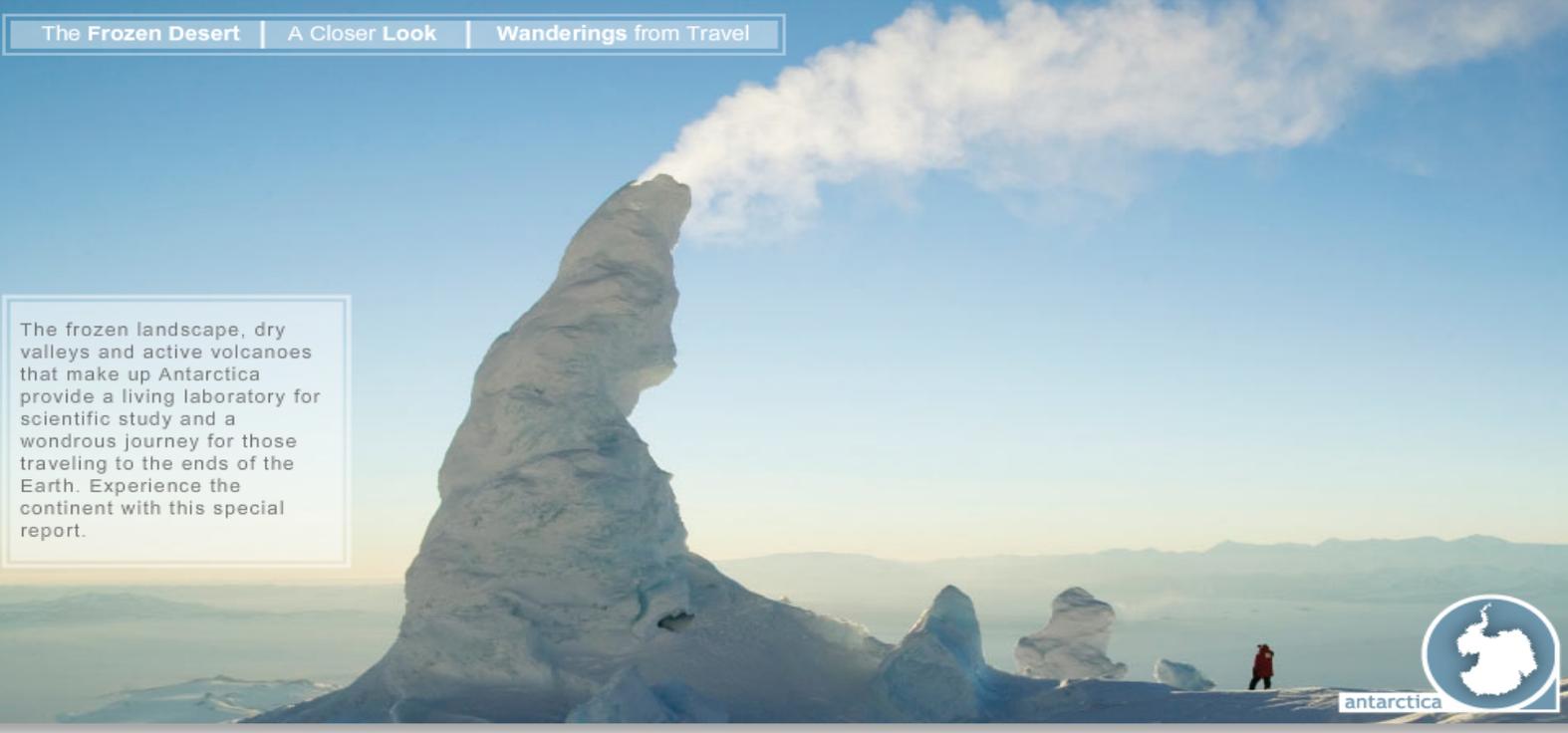
[washingtonpost.com](#) >

EXPLORING antarctica

Antarctica is the highest continent, averaging 2,300 meters above sea level, due to its ice cap.

- The Frozen Desert
- A Closer Look
- Wanderings from Travel

The frozen landscape, dry valleys and active volcanoes that make up Antarctica provide a living laboratory for scientific study and a wondrous journey for those traveling to the ends of the Earth. Experience the continent with this special report.



RECENT HEADLINES

- [Obituaries](#)

RELATED LINKS

- [International Polar Year](#)

NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

Times

Late Ed
Today, sunny, high 3
creasing clouds, low
becoming cloudy, rain
starting as a mix

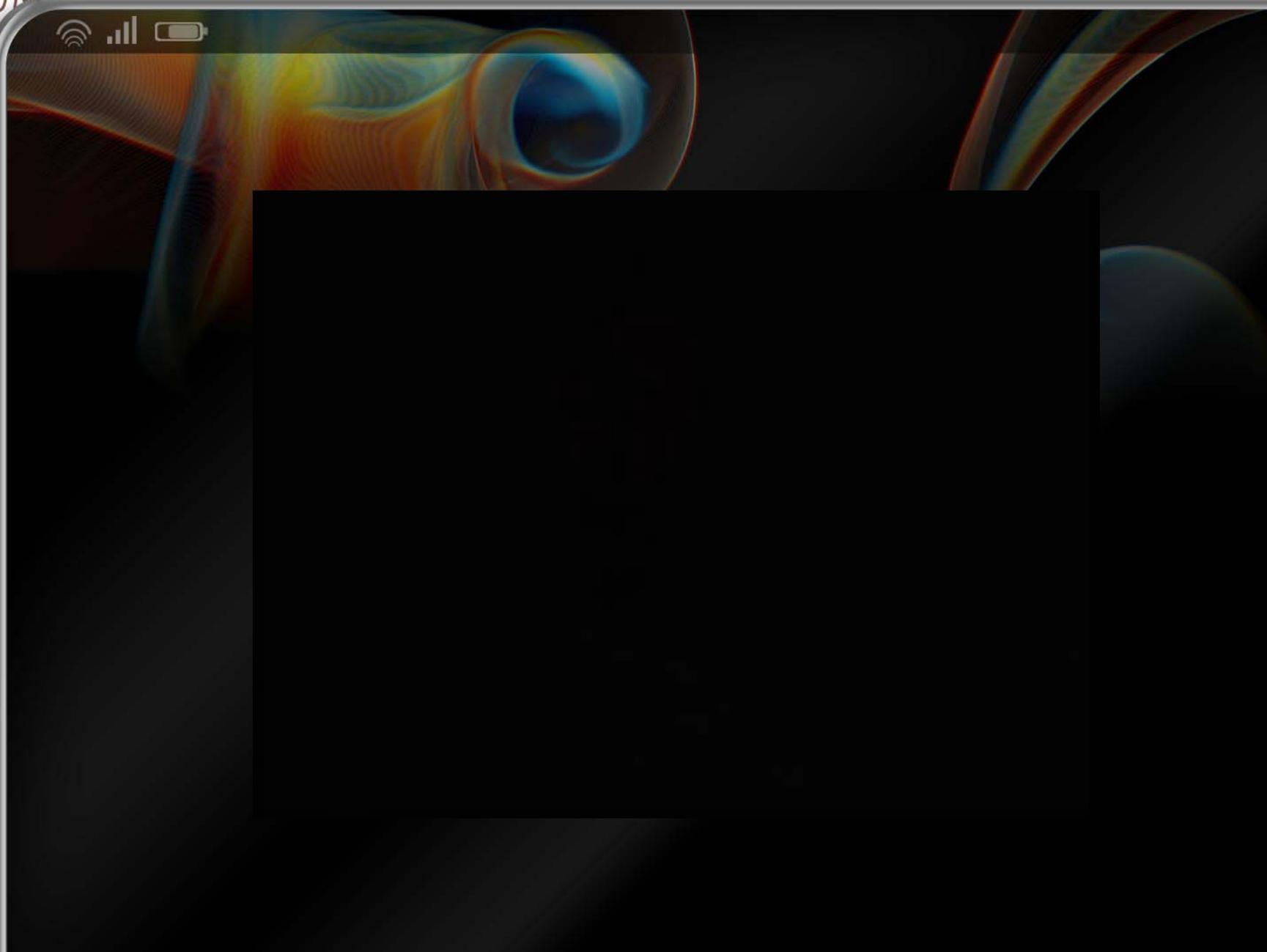


Is Du
Lifeline
in the

By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re
e what
argest re
100-year
ep it mu
e of a \$1
from th

outline is
er as mar
t. will fur
hutter m
America
I brands
according
ecable ab
remaining
evrokt, C

to shrink
will not m
ecement v
pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work



But NSF is also now creating and syndicating its own science content:





COLUMBIA JOURNALISM REVIEW

Strong Press, Strong Democracy

[About Us](#) | [Contact](#) | [Advertise](#) | [Donate](#) | [RSS](#)

Friday, December 05, 2008

Last Update: Fri 12:09 PM EST

Search



SUBSCRIBE
new subscription
gift subscription
renew subscription

[Desks](#) [Blog](#) [Columns](#) [Talk](#) [Magazine](#) [Multimedia](#) [Projects](#) [Resources](#) [Subscribe](#) [Archive](#) [Events](#)

The OBSERVATORY *a lens on the science press*

DECEMBER 04, 2008 06:30 AM

CNN Cuts Entire Science, Tech Team

Despite network's intention to launch wire service, compete with the AP

By Curtis Brainard

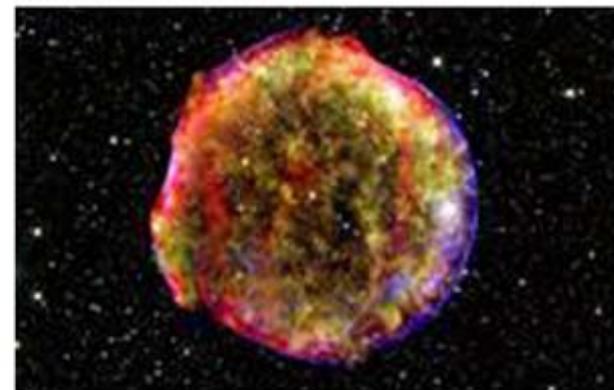
CNN, the Cable News Network, announced yesterday that it will cut its entire science, technology, and environment news staff, including **Miles O'Brien**, its chief technology and environment correspondent, as well as six executive producers. Mediabistro's TVNewser **broke** the story.

"We want to integrate environmental, science and technology reporting into the general editorial structure rather than have..."

[Continue reading](#) ➔

[Permalink](#) • [Email article](#) • [Comments \(41\)](#) • [RSS](#) [f](#) [t](#) [g+](#) [v](#)

Science Picture of the Day



NASA via Associated Press

A [study](#) published in the journal *Nature* yesterday provided a [fresh angle](#) on a story that dates back to the early days of astronomy. The image above shows the remnant of a supernova that was observed in 1572 by Danish astronomer Tycho Brahe. According to a good [recap](#) by the AP, "... Brahe was astonished to see what he thought was a brilliant new star in the constellation Cassiopeia. The light eventually became as bright as Venus and could be seen for two weeks in broad daylight. After 16 months, it disappeared."

Scientists have long known that the mysterious light came



National Science Foundation
WHERE DISCOVERIES BEGIN

SEARCH

[HOME](#) | [FUNDING](#) | [AWARDS](#) | [DISCOVERIES](#) | [NEWS](#) | [PUBLICATIONS](#) | [STATISTICS](#) | [ABOUT](#) | [FastLane](#)



SCIENCE
NATION

The Online Magazine That's All About Science for the People



[About Science Nation](#)

[Contact Us](#)

[More Special Reports](#)

[Science360 News](#)

[NSF Home](#)

SCIENCE NATION TOPICS

[Archive](#)

[Just by a Whisker](#)

[Disappearing Frogs:
Trying to Save the
World's Amphibians](#)

[Virtual Newscast: News
at Seven](#)

[Undersea Gliders May](#)

January 4, 2010

Eye on Home

Engineer controls all his appliances by remote and tracks their energy use

Anthony Rowe is working on a killer app. When he leaves his house each day, he doesn't worry whether he left the iron on or the television blaring. This Carnegie Mellon computer engineer and doctoral student can keep an eye on his home from almost anywhere he happens to be. His apartment is brimming with sensors he's designed. Some plug right into wall outlets to monitor the electrical usage of individual household gadgets and appliances. All he needs is his iPhone® or laptop to see what's running and what's not.

"We've developed a sensor device which can, if you plug an appliance into it, sense how much energy the appliance is using and allow you to remotely turn the appliance on and off," says Rowe.

DOWNLOADS

[Download video](#)

RELATED MULTIMEDIA



[Enlarge image](#)

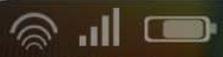
Researchers have developed a new micro-fan only slightly larger than a dime. The compact, solid-state fan, developed with support from NSF's Small Business Innovation Research program, is the most powerful and energy efficient fan of its size. [Learn](#)

NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

The Times

Late Ed
Today, sunny; high 3
creasing clouds, low
becoming cloudy; rain
starting as a mix

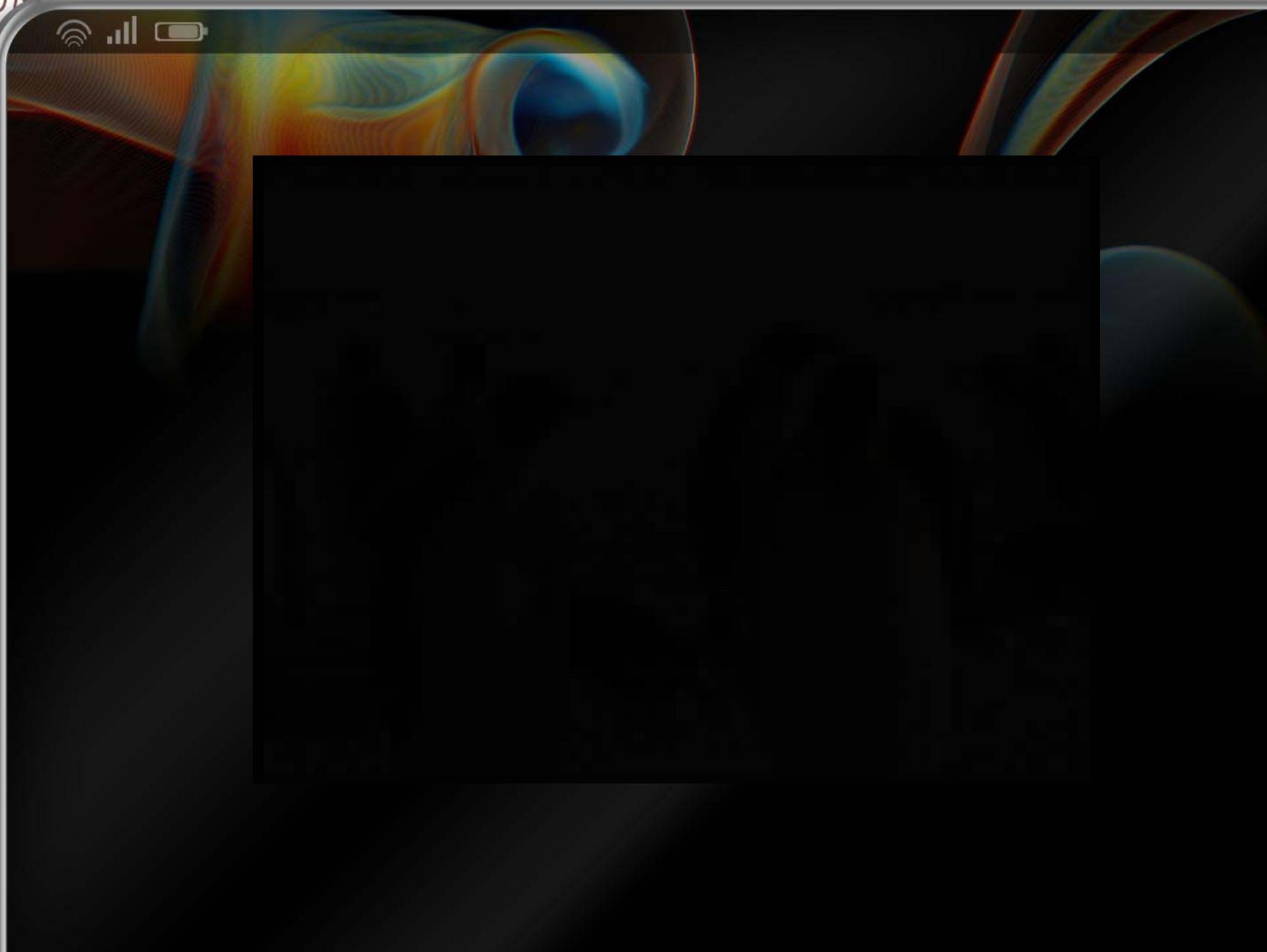


Is Du
Lifeline
in the

By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re
e what
argest re
100-year
ep it mu
e of a \$1
from th

outline is
er as mar
t. will fur
hutter m
America
I brands
according
ecable ab
remaining
evrokt, C

to shrink
will not m
ecement v
pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work



OUR NETWORKS ▶ DISCOVERY CHANNEL | TLC | ANIMAL PLANET | SCIENCE CHANNEL | MILITARY CHANNEL | DISCOVERY HEALTH

Sc science channel

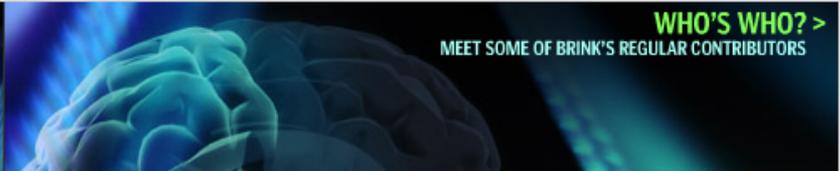
SITE SEARCH SEARCH

Shop Science Channel Store GO NOW ▶ SHOP NOW ▶

TV SHOWS ▼ TV SCHEDULES ▼ BLOGS ▼ TOP TEN ▼ VIDEO ▼ GAMES ▼ QUIZZES ▼ NEWSLETTERS SHOP ▼

Fridays at 10 p.m.

BRINK? NOT BRINK >
RATE FROM ZERO TO BRINK



WHO'S WHO? >
MEET SOME OF BRINK'S REGULAR CONTRIBUTORS

- Fridays at 10 p.m.
- About Brink
- Meet the Host
- Episode Guide
- Kip Kay Projects
- Watch Video
- Riddle Puzzles
- Contributor Bios
- Be on Brink
- Talk About Brink

DON'T MISS > Fridays at 10 p.m.



brink.

KIP KAY PROJECTS >
Build all Kip's make-at-home projects!



MEET JOSH ZEPPE >
Brink's host loves science...and vegemite.



WATCH VIDEO >
Catch all your favorite bits of Brink.



HOT ON BRINK >
Check out cool stories and make at home projects.




MasterCard

BILL PAY

PAY A LITTLE SMARTER

Curious about who accepts MasterCard* for payment?

EXPLORE

ADVERTISEMENT

Watch Brink

- Apr 10, 10:00 pm 30 min(s) **Brink: Season 2 Episode 7**
Cover Story: Robots Make Braces. BRINK is the premiere series fo
- Apr 11, 1:00 am 30 min(s) **Brink: Season 2 Episode 7**
Cover Story: Robots Make Braces. BRINK is the premiere series fo
- Apr 12, 5:00 am 30 min(s) **Brink: Season 2 Episode 7**
Cover Story: Robots Make Braces. BRINK is the premiere series fo
- Apr 13, 5:00 pm 30 min(s) **Brink: Season 2 Episode 7**

- 
- We're providing 100 hours of TV programming a year for two U.S.-based cable networks: the Research Channel and Link TV.
 - The Research Channel and Link TV, combined, are in nearly 70 million homes.
 - The programming includes a multi-part series about climate change and interviews with 100 leading climate change scientists.



NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

The Times

Late Ed
Today, sunny, high 3
creasing clouds, low
becoming cloudy, rain
starting as a mix

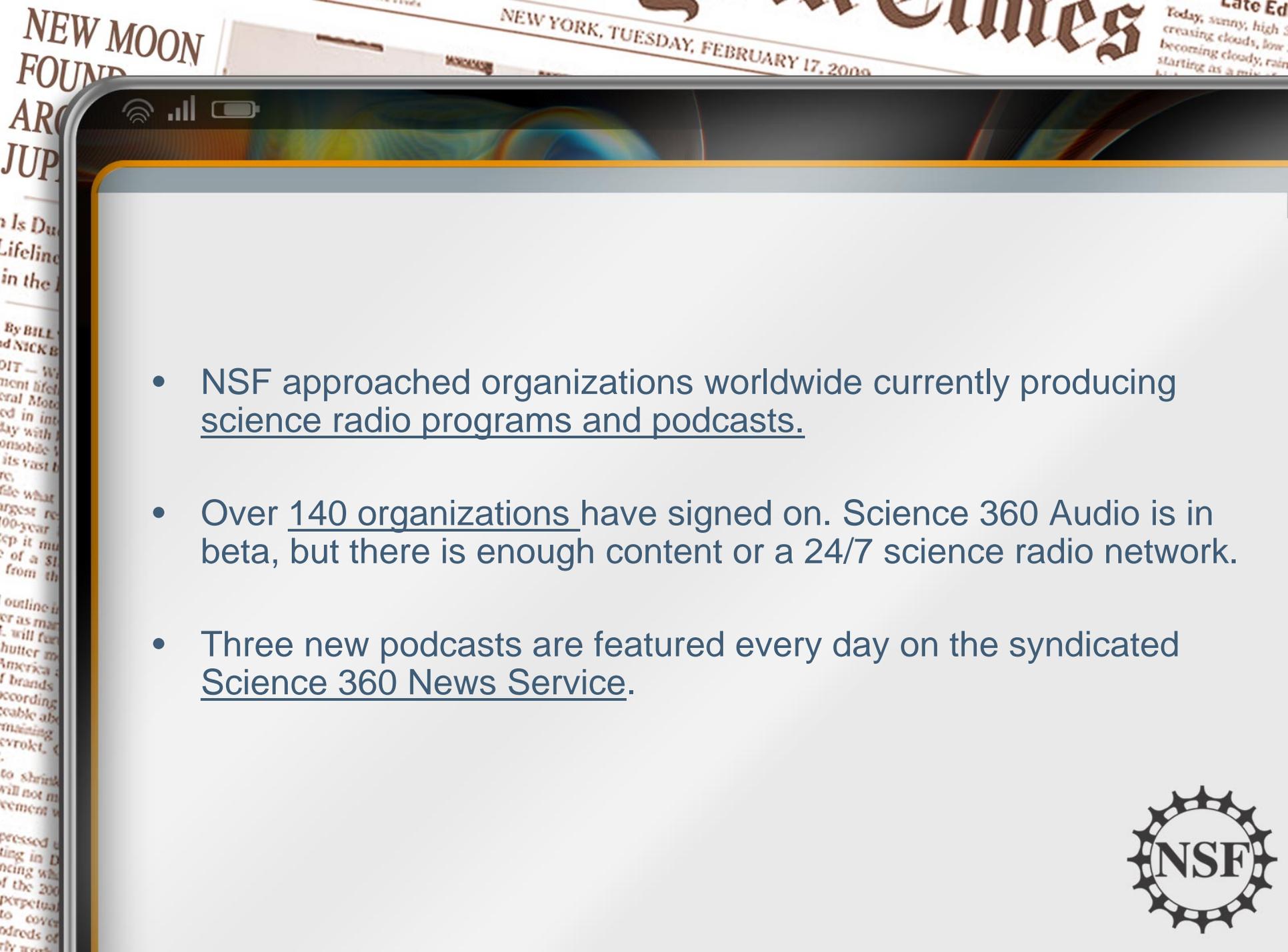


Is Du
Lifeline
in the

By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re.
e what
argest re
100-year
ep it mu
e of a \$1
from th

outline is
er as mar
t. will fur
hutter m
America
I brands
according
ecable ab
remaining
evrokt, C

to shrink
will not m
ecement v
pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work

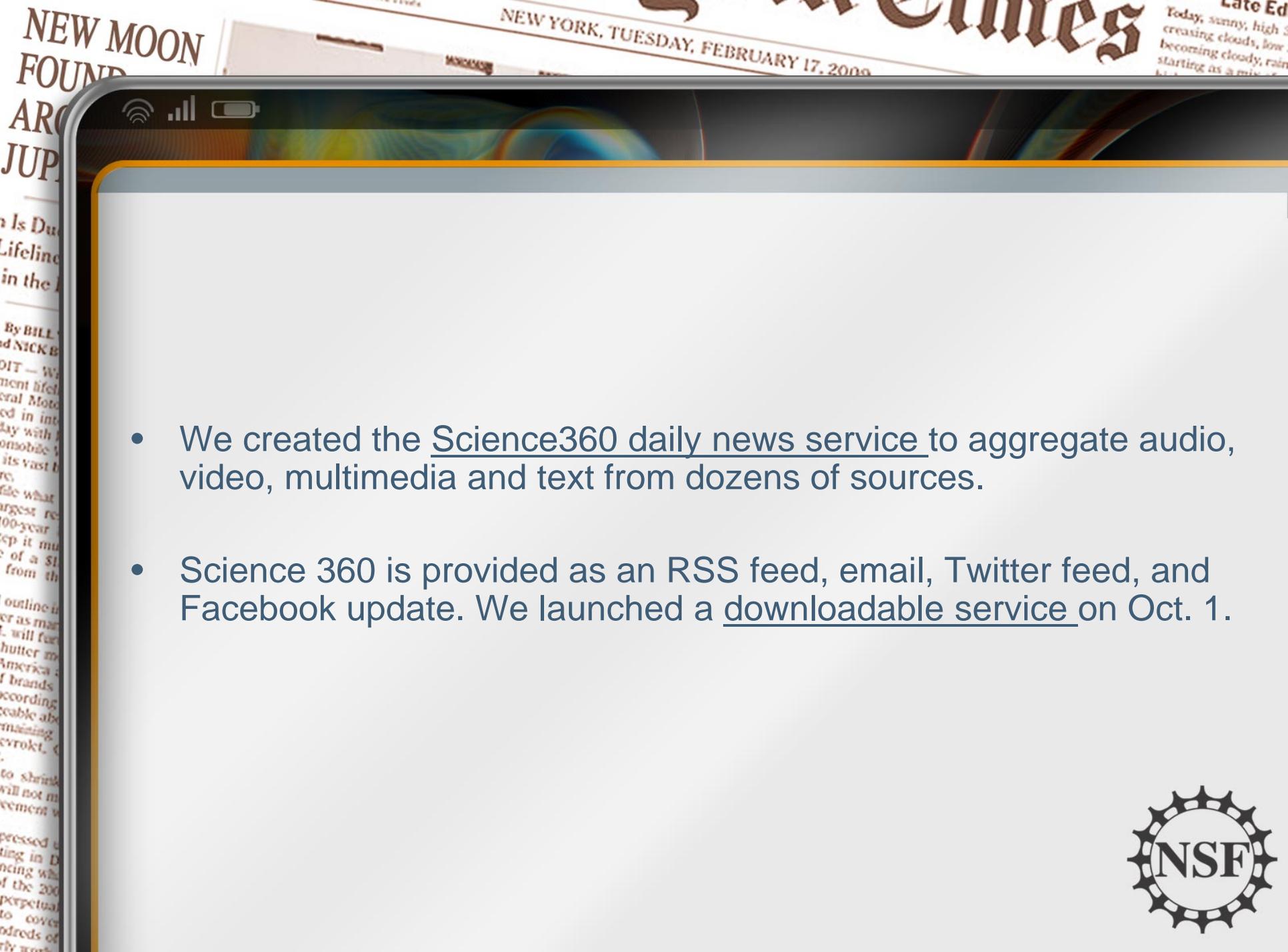
- 
- NSF approached organizations worldwide currently producing science radio programs and podcasts.
 - Over 140 organizations have signed on. Science 360 Audio is in beta, but there is enough content for a 24/7 science radio network.
 - Three new podcasts are featured every day on the syndicated Science 360 News Service.



Science360 Radio

Communicating science audibly – radio, ipods, cellphones, online...

The screenshot shows the Science360 Radio website interface. At the top, the "science360 AUDIO" logo is on the left, and navigation tabs for "VIDEO", "AUDIO", "IMAGES", and "ARTICLES" are in the center. A search bar is on the right. Below the navigation, a row of podcast thumbnails is displayed, including "Discovery Files", "Science Update Podcast", "THE REDSHIFT REPORT", "science friday" (with a progress bar at -00:04:32), "nature podcast", "CBC Radio QUIRKS & QUARKS", and "MicrobeWorld Radio". Each thumbnail has a "LISTEN" button. Below the thumbnails, a larger player area shows "Sounds Of The Jungle" with a progress bar and an information icon.

- 
- We created the Science360 daily news service to aggregate audio, video, multimedia and text from dozens of sources.
 - Science 360 is provided as an RSS feed, email, Twitter feed, and Facebook update. We launched a downloadable service on Oct. 1.



science360 News Service

Breaking science that shapes your world



editor@science360.gov

News Archive | Today 06.26.09

BREAKING STORY

Toothy 3-foot Piranha Fossil Found



A previously unknown fossil fish bridges the evolutionary gap between flesh-eating piranhas and their plant-eating cousins, called pacu. In modern piranhas the teeth are arranged in a single file but in pacu — which tend to be herbivorous fishes — the teeth are in two rows. The new fossil, named Megapiranha, shows an intermediate pattern: teeth in a zig-zag row. This suggests that the two rows were compressed to form a single row in piranhas.

[MORE >](#)

NEW IN THE JOURNALS & MAGAZINES



NATURE
A Helping Hand For Addicts

[MORE >](#)



SCIENCE
Cosmic Protons Gone Wild

[MORE >](#)

LIVE FROM STUDIO 8

Science Nation: Renewable Energy

Provided by the National Science Foundation [VISIT SCIENCE NATION >](#)



LATEST NEWS



Dolphins Get a Lift From Delta Wing Technology

Researchers used computer simulations of the fluid flows around dolphin flippers and found that sweptback flippers generate lift like modern delta

wing aircraft.

[MORE >](#)



Cells Use Import Machinery to Export Their Goods as Well

New research shows certain molecules handle cargo moving in both directions -- like stevedores, they're involved in both loading and unloading the cell's

container ships.

[MORE >](#)



Ancient Mummy's Face Recreated

Based on CT-scans of the skull of the ancient

NEW TODAY ON Science360 RADIO



The Naked Scientists

The Future of Our Food
Made possible by Cambridge University

Behind the Books

Everyday Science Mysteries
Made possible by the National Science Teachers Association

[PLAY AUDIO >](#)

Inside the Black Box

Here Comes the Sun
Made possible by Georgia Tech and WREK

[PLAY AUDIO >](#)

PICTURE OF THE DAY

Matua-Volcano [LOOK >](#)



Archaeologists have embarked on excavations in northern Syria expected to widen and deepen understanding of a prehistoric culture in Mesopotamia that set the stage for the rise of the world's first cities and states and the invention of writing.

RSS Feed

Get Science News From The New York Times >



In two seasons of preliminary surveying and digging at the site known as Tell Zeidan, American and Syrian investigators have already uncovered a tantalizing sampling of artifacts from what had been a robust pre-urban settlement on the upper Euphrates River. People occupied the site for two millennia, until 4000 B.C. — a little-known but fateful period of human cultural evolution.

Scholars of antiquity say that Zeidan should reveal insights into life in a time called the Ubaid period, 5500 to 4000 B.C. In those poorly studied centuries, irrigation agriculture became widespread, long-distance trade grew in influence socially and economically, powerful political leaders came to the fore and communities gradually divided into social classes of wealthy elites and poorer commoners.

Gil Stein, director of the Oriental Institute of the University of Chicago, a leader of the excavations at Zeidan, said the site's northern location promised to enrich knowledge of the Ubaid culture's influence far from where the first urban centers eventually flourished in the lower Tigris and Euphrates Valley. The new explorations, he said, are planned

to be the most comprehensive yet at a large Ubaid settlement, possibly yielding discoveries for decades.

- STORY RECOMMEND
TWITTER
COMMENTS (20)
SIGN IN TO E-MAIL
PRINT
SINGLE PAGE
REPRINTS
SHARE



Click here to discover TUBBATAHA REEFS NATURAL PARK Unesco World Heritage Marine Site

VIDEO >>

More Video | Multimedia >



00:00 03:49

PLAY

SCIENCE [Tools and Trinkets of the First Cities] Excavation at Tell Zeidan (National Science Foundation)

Readers' Comments

Share your thoughts. Post a Comment >

MOST POPULAR

E-MAILED BLOGGED SEARCHED VIEWED

- 1. David Brooks: Relax, We'll Be Fine
2. Steven Strogatz: Take It to the Limit
3. Growth of Unpaid Internships May Be Illegal, Officials Say
4. Debunkers of Fictions Sift the Net
5. Can Animals Be Gay?
6. Video Shows U.S. Killing of Reuters Employees
7. Ross Douthat: Can CNN Be Saved?
8. Grants Nurture Arts Spaces and Housing
9. Basics: Even Among Animals: Leaders, Followers and Schmoozers
10. Months to Live: Helping Patients Face Death, She Fought to Live

Go to Complete List >

From the Science 360 news service....

- We've built a state-of-the-art digital television studio at the NCSA Access Center.
- This allows us to conduct virtual background news briefings with NSF-funded researchers.
- We conduct interviews with researchers prior to publication, or as part of news packages that are sent to media.
- We're doing this in partnership with the three leading peer-reviewed science journals: Nature, Science and PNAS.





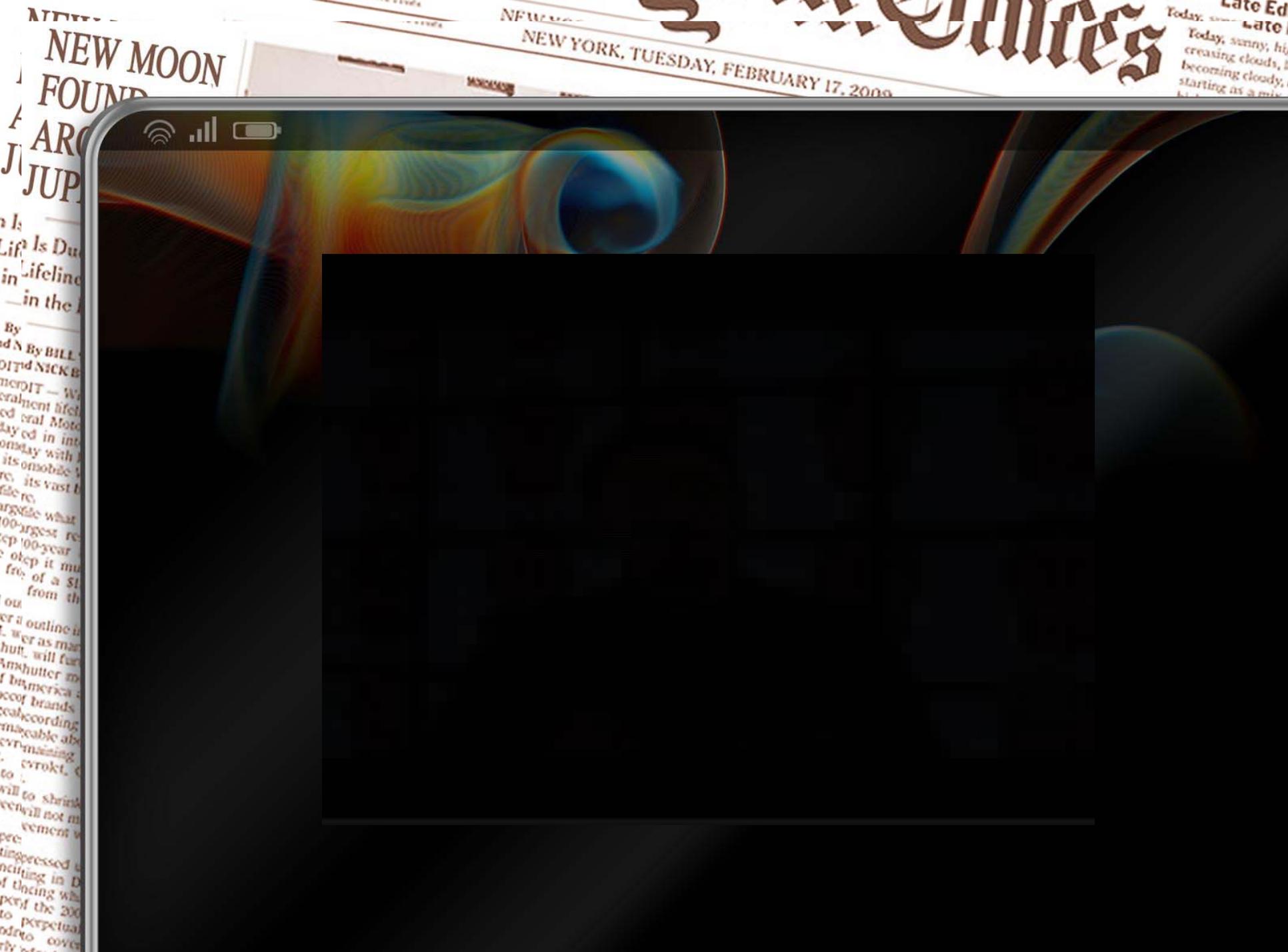
Title of Live Broadcast



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam.

Brought To You By





NEW MOON FOUND

ARC
JUP

Life Is Du
Lifeline
in the

By
and N By BILL
DIT and NICK B

meroit — Wa
eralment lifel
ed oral Moto
layed in int
omday with
its omnibale
re, its vast b
e re.

argable what
100-argest re
ep 100-year
e otep it mu
fro, of a S1
from th

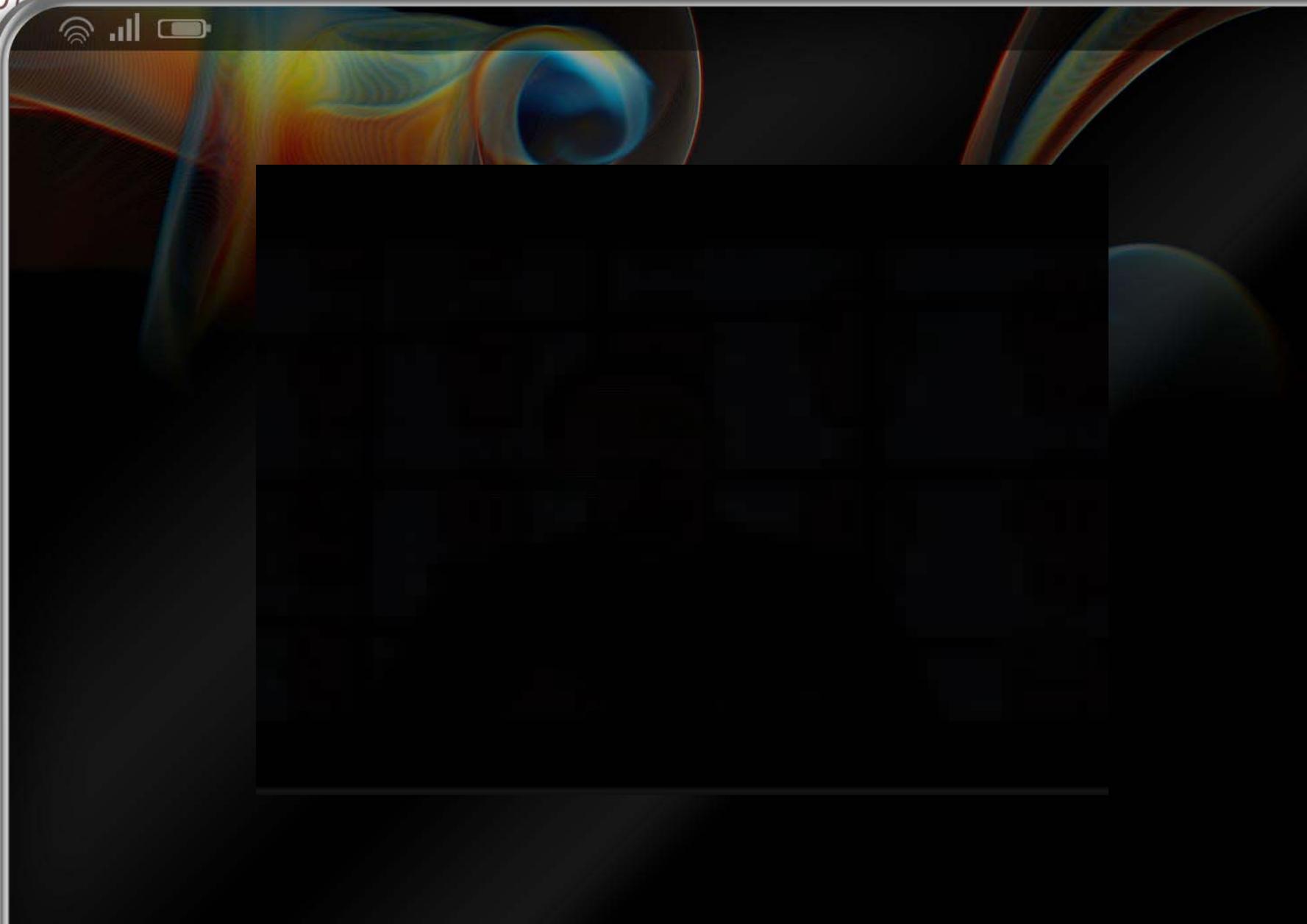
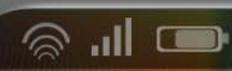
ou
er a outline is
t, wer as mar
hutt, will fare
Amhutter m
f America
ocot brands
ecobecording
macable abo
evr remaining
evrokt, C

to
will to shrink
een will not m
ement v
pre

tingpressed
nciting in D
of thing wh
per of the 200
to perpetual
odre cover
ly r

NEW YORK, TUESDAY, FEBRUARY 17, 2009

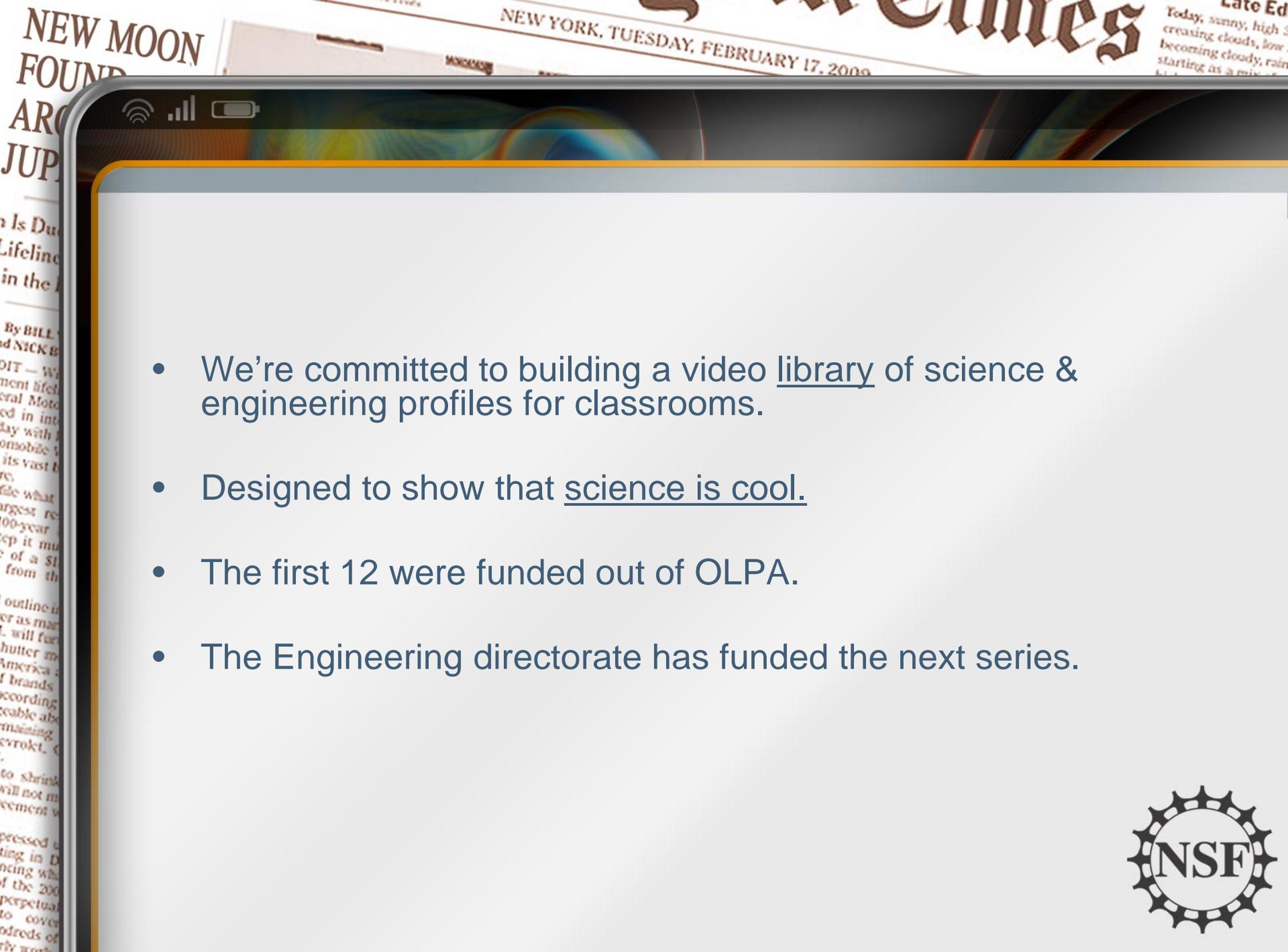
Late Ed
Today: sunny, hi
creasing clouds,
becoming cloudy,
starting as a mi





SCIENTIST PROFILES FOR THE CLASSROOM



- 
- We're committed to building a video library of science & engineering profiles for classrooms.
 - Designed to show that science is cool.
 - The first 12 were funded out of OLPA.
 - The Engineering directorate has funded the next series.

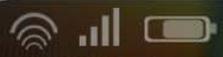


NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

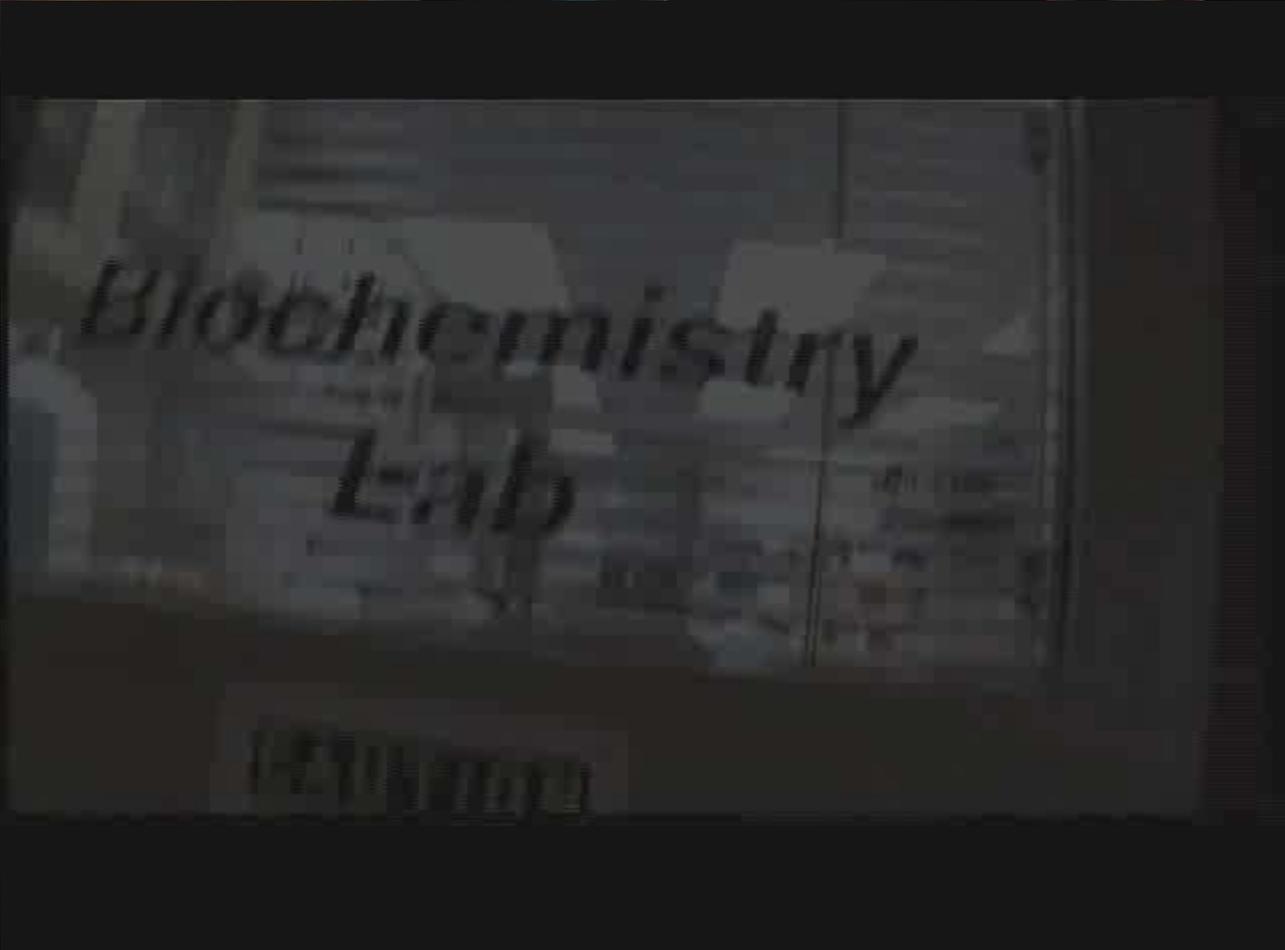
The Times

Late Ed
Today, sunny, high 3
creasing clouds, low
becoming cloudy, rain
starting as a mix



Is Du
Lifeline
in the
By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re
e what
argest re
100-year
ep it mu
e of a \$1
from th
outline is
er as mar
t. will fur
hutter m
America
f brands.
ccording
ecable ab
remaining
evrokt, C
to shrink
will not m
ecement v

pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work



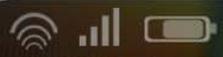
- We're partnering with groups like NASCAR, the PGA Tour and the U.S. Olympic Committee.
- We're working to create highly unique science and visual media for mass audiences.
- Examples are the Science of NASCAR, the Science of the NFL, the Science of Golf and the Science of the Winter Olympics.
- The goal is to make them broadly available to science classrooms. PBS Education, NBC Learn, Discovery Education and NSTA are all interested in partnering on that front.



NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

Today, sunny, high 3
creasing clouds, low
becoming cloudy, rain
starting as a mix



Is Du
Lifeline
in the

By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re
e what
argest re
100-year
ep it mu
e of a \$1
from th

outline is
er as mar
t. will fur
hutter m
America
I brands
according
ecable ab
remaining
evrokt, C

to shrink
will not m
ecement v
pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work



Science Shows in Development

- * Dinner Party with History
- Science of Thrill
- Joe Genius with Discover Magazine





Search input field with a dropdown arrow and a green search button.

Climate Change



Climate Change Report PDF

What?
Degree?
Discussions with the Experts

Our planet's climate affects—and is affected by—the sky, land, ice, sea, life, and people found on it. To understand the entire story of climate change—what we know, what we still have to learn, and what humankind can do to prepare for the future—we must study all of the natural and human systems that contribute to and interact with Earth's climate system.

“Climate change is the most important puzzle humankind has attempted to solve”



INTRO



SKY



SEA



ICE



LAND



LIFE



PEOPLE



Science, Engineering and Education Innovation website on Research.gov

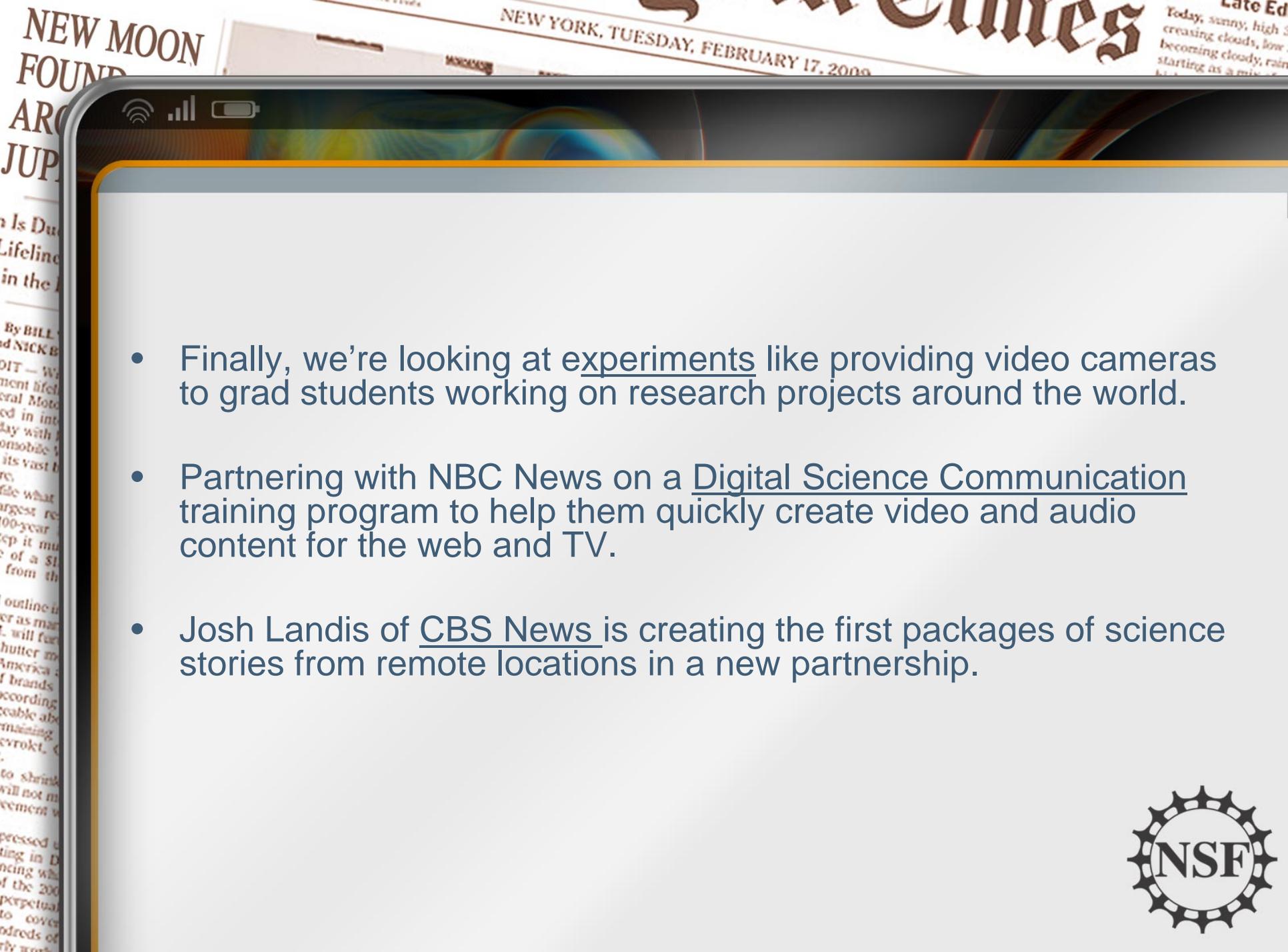
The screenshot displays the Research.gov website interface. At the top, the "Research.gov" logo is on the left, and a search bar with a magnifying glass icon and a "Search" button is on the right. Below the logo, the tagline "POWERING KNOWLEDGE AND INNOVATION" is visible. On the left side, there is a navigation menu with a "LOGIN" section containing an NSF dropdown, a "Login" button, and links for "Help Me Choose" and "Register". Below this are menu items: "Who We Are", "Service Offerings", "News", "Science & Innovation" (expanded to show "Research Areas", "States & Territories", and "Research Assets"), and "FEEDBACK" with a "Tell Us What You Think" link.

The main content area features a carousel of featured articles. The central article is titled "Movies Promote Learning" and includes the text: "A collaborative team of researchers has developed animated tools for K-12 education. [Learn about the technological tools >](#)". Other visible article titles include "The Linguists", "Mozart of Math", "Mushroom Found", and "Carrying Insect".

At the bottom of the page, the "Science & Innovation" section is highlighted, featuring the NSF logo.

Science
at the **Extreme**



- 
- Finally, we're looking at experiments like providing video cameras to grad students working on research projects around the world.
 - Partnering with NBC News on a Digital Science Communication training program to help them quickly create video and audio content for the web and TV.
 - Josh Landis of CBS News is creating the first packages of science stories from remote locations in a new partnership.



NEW MOON
FOUND
ARC
JUP

NEW YORK, TUESDAY, FEBRUARY 17, 2009

The Times

Late Ed
Today, sunny; high 3
creasing clouds, low
becoming cloudy; rain
starting as a mix



Is Du
Lifeline
in the
By BILL
and NICK B
DIT — Wa
ment lifel
eral Moto
ed in int
lay with
omobile
its vast b
re
e what
argest re
100-year
ep it mu
e of a S
from th
outline is
er as mar
t. will fur
hutter m
America
I brands
according
ecable ab
remaining
evrokt, C
to shrink
will not m
ecement v

pressed
ting in D
ning wh
of the 200
perpetual
to cover
ndreds of
rly work

