

Welcome to AMS News You Can Use.

Each week, we send out a sampling of recent news and items of interest in meteorology and related fields, as covered by various media outlets.

April 30, 2019

[Hurricane Season Has Started Early Four Years in a Row. Is That Unusual?](#)

April 30, 2019 - Weather Underground

The Atlantic hurricane season technically runs from June through November, but named storms don't always play along.

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[Antarctica's Effect on Sea Level Rise in Coming Centuries](#)

April 30, 2019 - NASA

The melting of Antarctica's ice sheet is currently responsible for 20-25% of global sea level rise. But how much of a role will it play hundreds of years in the future?

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[New research explains why Hurricane Harvey intensified immediately before landfall](#)

April 29, 2019 - Phys.org

In a new study, researchers at Texas A&M University compared ocean temperatures in the Texas Bight, the shallow waters that line the Gulf Coast, before and after Harvey passed through it.

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[New research on fire weather may help prevent spread of California wildfires](#)

April 26, 2019 - ABC7 News

"Using radar technology so we can detect fires, how they evolve over time, that's where the state of (fire) research is going," says Craig Clements, who heads the Fire Weather Research Laboratory at SJSU.

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### [Scientists Think They've Solved the Mystery of a Giant Hole in Antarctica's Sea Ice](#)

April 26, 2019 - Earther - Nature for Nerds - Gizmodo

The ice hole—known as a polynya in the parlance of sea ice researchers—was likely caused by a powerful cyclone that spun up in Antarctica's Weddell sea before migrating eastward into the Lazarev sea in mid-September 2017, according to research published Wednesday in the Journal of Geophysical Research: Atmospheres.

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### [Hurricane Season: Seven-day forecasts, cone makeover coming](#)

April 26, 2019 - The Ledger

Storm specialists began working in 2012 on adding two days to the end of the forecast, which expanded to five days in 2003. They took a hiatus in 2017 under previous leadership unimpressed with the progress, but picked the effort up again last year.

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### [Pattern of Mozambique storms 'unprecedented': UN](#)

April 26, 2019 - Phys.org

The back-to-back cyclones that have ravaged Mozambique are unprecedented in recorded history, the UN said Friday, as it planned to examine the country's defences against extreme weather in the light of climate change.

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### [The world's oceans are becoming stormier — and that's bad news for coastal communities](#)

April 26, 2019 - WTOP.com

Young and research fellow Agustinus Ribal analyzed data on wind speed and wave height from 31 different satellites, calibrated against 80 ocean buoys, between 1985 and 2018.

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[Trump administration has EPIC plan to develop the world's smartest weather forecasting model](#)

April 23, 2019 - The Washington Post

It was October 2012 when the European weather prediction model beat its American counterpart in forecasting Hurricane Sandy's hard left turn into the U.S. coastline. What scientists had known for years — that the European forecast model was superior to the American — caught the attention of the U.S. public and Congress.

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[After 2 Hurricanes, A 'Floodgate' Of Mental Health Issues In U.S. Virgin Islands](#)

April 23, 2019 - KCRW 89.9 FM

But the storms had another, less visible impact: on the mental health of island residents. Vincentia Paul-Constantin, a mental health counselor who works with children in the public schools says, "We see ... regression in behaviors, especially with our little ones who had been potty-trained, reverted to using diapers."

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[Oklahoma Mesonet, the 'gold standard' of weather networks for the nation, turns 25: 'Every year we are finding new uses'](#)

April 26, 2019 - Tulsa World

The Mesonet was the first real-time, statewide weather-monitoring network in the country when it was commissioned Jan. 1, 1994.

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[NASA chief calls for global effort to study asteroid threat](#)

April 29, 2019 - UPI.com

NASA Administrator Jim Bridenstine has called for more global participation in efforts to deflect asteroids that could collide with Earth.

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[Reanalysis of 2017 hurricanes after measurement miss in Michael](#)

April 24, 2019 - Palm Beach Post

It could take two years to figure out the bugs in the airplane-mounted device that measures storms based on the amount of wind-whipped sea foam on the ocean's surface, meaning no review is coming soon.

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[April Has Been an Extreme, Record-Breaking Weather Month from Coast to Coast](#)

April 30, 2019 - Weather Underground

April 2019 has brought plenty of extreme weather across the United States, including record-breaking rain and snow and a state record tornado outbreak.

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[Even light rain increases your risk of a deadly car crash](#)

April 23, 2019 - Phys.org

Light rain—"We're talking a drizzle, just at the point where you might consider taking an umbrella out," said study lead author Scott Stevens—increased the fatal crash risk by 27%.

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[Mapping America's Wicked Weather and Deadly Disasters](#)

April 30, 2019 - The Washington Post

In 2018, it is estimated that natural disasters cost the nation almost \$100 billion and took nearly 250 lives. It turns out there is nowhere in the United States that is particularly insulated from everything.

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My Weather Eye: John Maunders Blog:

<https://www.sunlive.co.nz/blogs/13278-climate-change-and-villach-what-is-connection.html>

<https://www.sunlive.co.nz/blogs/13274-tropospheric-temperatures-1979-to-march-2019.html>

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