

It was a busy weather week in New Zealand, but our normal source for NZ weather clips is away for a while , so here's some what I have for you today...

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. Searchable archives are [available online](#).

[Florida's cities are experiencing shorter, more intense wet seasons](#)

UPI.com - 04/9/2018

urban land cover. Some surmise the urban heat effect is encouraging more intense storms. "We have theories, but whether those theories are

[How a small start-up firm wants to revitalize climate change research](#)

The Washington Post - 04/9/2018

sciences at the University of Georgia and past president of the American Meteorological Society, said he was pleased to see private ventures

[Canada: Ontario NDP Introduce Climate Liability Bill](#)

Mondaq - Canada - 04/9/2018

to rising sea levels; costs of monitoring, research and analysing the climate and the weather; costs of responding to emergencies arising

[Too wet? Too cold? Too hot? This is how weather affects the trips we make](#)

Phys.org - 04/9/2018

International research shows weather is important in shaping our everyday movements. The research evidence suggests that bad weather can

[Texas, Oklahoma, Kansas Facing Dual Threats: Tornadoes, Wildfires](#)

Insurance Journal - 04/9/2018

was rated in extreme drought. Some private forecasting services are predicting an increase in tornadoes during the coming months, based

[Hurricane Hype Needs to End, Especially For Houston](#)

Houston Press - 04/9/2018

a guarantee. As good as the folks at Colorado State are at forecasting hurricanes, even they can't provide any real certainty about what

[Satellite Images Capture Massive Dust Storm From Space](#)

NTD.TV - 04/8/2018

seasons. However, multiple observers in the region described this week's storms as particularly intense," NASA said.

['I can only imagine what those people went through': NWS forecaster relives 1998 F5 tornado](#)

AL.com - 04/8/2018

miles, according to the weather service. A storm survey at the time estimated the tornado was its most intense as it reached the Concord,

[Scientists Send Weather Balloons Into California's Atmospheric River](#)

CBS San Francisco - 04/6/2018

them straight into the storm. Anna Wilson, field research manager at the Center for Western Weather and Water Extremes said, "We're looking

[Why weather forecasters still struggle to get the big storms right](#)

Madison.com - 04/6/2018

Coast. Score: another major victory for the European. Forecasts before Hurricane Sandy disagreed on the storm's track.

[Carbon taxes could make significant dent in climate change, study finds](#)

MIT News - 04/6/2018

Paris Agreement alone will not be sufficient to curb catastrophic consequences of global climate change, but this single measure would go a

[Forecasters Are Warning This Year's Hurricane Season Will Be Worse Than Usual](#)

Time Magazine - 04/5/2018

Atlantic hurricane season with the intensity of the season slightly above the average from recent decades. An above-average hurricane

[Mississippi Flooding Is Worse Now Than Any Time In Past 500 Years – Here's Why](#)

Weather Underground - 04/5/2018

from even deeper in the ground to extend the flood record. They hope their research will provide better understanding of what drives major

[Shell Grappled With Climate Change 20 Years Ago, Documents Show](#)

Scientific American - 04/5/2018

since. The company also understood that climate change could pose major social, economic and political consequences, particularly in low-

[This Volcano Erupted For 5 Years Straight, And The Photos Are Mesmerising](#)

Science Alert - 04/5/2018

On 24 May 1969, a deep rumbling started within Kīlauea, the largest of the volcanoes comprising the island of Hawai'i.

[Massive source of 'missing' nitrogen could revolutionise climate change projections](#)

The Independent - 04/5/2018

'This runs counter the centuries-long paradigm that has laid the foundation for the environmental sciences,' say researchers behind study

[Giant solar tornadoes put researchers in a spin](#)

Phys.org - 04/5/2018

Despite their appearance solar tornadoes are not rotating after all, according to a European team of scientists. A new analysis of these gigantic structures, each one several times the size of the Earth, indicates that they may have been misnamed because scientists have so far only been able to

[To Understand The Atmospheres Of Distant Exoplanets, Look To Your Car Engine](#)

Futurism - 04/5/2018

The next time you're stuck in a mundane traffic jam, find some excitement in your car engine's secret identity: it's actually not so different from the exotic exoplanets in our universe. Seriously. Stay with me here. French astronomers discovered that computer models used to simulate how car

[Why ozone poses a challenge to food security](#)

Phys.org - 04/5/2018

Ozone is a well-known and interesting gas. It is thought of as a "good" gas when present in the stratosphere, where it forms the ozone layer sitting 15 to 30 kilometres above Earth that protect life from detrimental ultraviolet radiation. But when present in the lowest atmospheric layer – the

[Developing nations look to dimming sunshine to slow warming](#)

The Weather Network - 04/5/2018

Twelve scholars, from countries including Bangladesh, Brazil, China, Ethiopia, India, Jamaica and Thailand, wrote in the journal Nature on Wednesday that the poor were most vulnerable to global warming and should be more involved.

[Is it safe to talk on your cell phone during a thunderstorm?](#)

AccuWeather.com - 04/5/2018

Many people associate lightning dangers with being outdoors, but there are some rare cases when people have been hurt or even killed by lightning when they were indoors. For example, a man was killed while inside a house in 2017. Investigators came to the conclusion that lightning traveled through

[Could last seasons hurricane model reign supreme this year](#)

News4Jax - 04/5/2018

forecasting the birth of storms. It did poorly forecasting Irma but did better forecasting hurricane Maria compared to the ECMWF. The GFS

[Gravity and good timing helped the Hubble spot a star from the early universe](#)

Popular Science - 04/2/2018

When looking back into the deep recesses of the universe, even huge objects like planets, stars, and galaxies can appear small. Magnification can help, but where do you find a magnifying glass large enough to spot stars billions of light years away? Answer: you don't. You have to look well beyond

[Antarctica's Great Ice Sheet Is Losing Ground](#)

ValueWalk - 04/3/2018

Warm water, believed to be caused by human-induced global warming, is starting to take its toll on Antarctica's great ice sheet as it's starting to lose ground. According to a recent paper, warm

water is circulating under the edge that is floating on the surface, warming it and causing it to melt.

[Are we ready for the deadly heat waves of the future?](#)

Science News - 04/3/2018

of heat waves on cognitive function among young adults. American Meteorological Society, 2018 Annual Meeting, Austin, Texas. S. Ha et al.

[44 years ago today, the deadliest outbreak of tornadoes on record tore through the Midwest](#)

Cincinnati Enquirer - 04/3/2018

for visual confirmation before they could issue a tornado warning. Once they could issue that warning, meteorologists only sent them via

[This is what a scientist looks like](#)

MIT News - 04/3/2018

full force, sharing the latest in oceanographic, meteorological and paleoclimatological research, data collection and explorations. Several

[The Great American Eclipse Created a Giant Wave in Earth's Atmosphere](#)

Newsweek - 04/4/2018

Brian Harding drove south to St. Louis last August to watch the total solar eclipse, but he didn't stay long after the spectacle. "As soon as it was over, I drove back to the city and opened up my computer and was making sure the instrument was taking data and everything," he told Newsweek. That's

[The quest to map the mysteries of the ocean floor](#)

BBC - Future - 04/4/2018

The oceans' floors are not a flat, sandy expanse – they are every bit as varied as the landscapes above water, with plunging valleys and huge mountains. Making a map of them has been a challenging task.

[We Finally Know How Birds Can See Earth's Magnetic Field](#)

Forbes - 04/4/2018

The ability to see Earth's magnetic field, known as magnetoreception, relies on the presence of specifically the blue wavelength of light. The complex process involves "radical" intermediate molecules which are sensitive to Earth's magnetic field.

[Innovative camera technology to be launched into space to unravel the mysteries of lightning](#)

Phys.org - 04/4/2018

will also be combined with measurements recorded from geostationary meteorological satellites and ground based observations from all over

[Mountaintops Are In Bloom Thanks To Climate Change, But There Could Be Consequences](#)

Forbes - 04/4/2018

Mountaintops Are In Bloom Thanks To Climate Change, But There Could Be Consequences

[36,000 Computer Simulations Show That Vikings May Have Used Crystals To Navigate The Atlantic](#)

Tech Times - 04/4/2018

that sunstones could be used to navigate the Atlantic during cloudy weather. Previous research determined that Vikings used a sun compass to

[Hawaiian-language newspapers illuminate an 1871 hurricane](#)

ScienceDaily - 04/4/2018

A recent study revealed how historical Hawaiian-language newspapers expand knowledge of this and other natural disasters of the past.

[Irish researchers produce 15,000-year wave map](#)

COSMOS Magazine - 04/3/2018

World-first catalogue provides insight into the deep history of forgotten tsunamis and rogues. Conor Purcell reports.

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My latest three WeatherEyes from John Maunder

<https://www.sunlive.co.nz/blogs/11912-wahine-weather-50-years-on-april-10-1968.html>

<https://www.sunlive.co.nz/blogs/11834-new-zealand-climate-extremes-to-december-2016.html>

<https://www.sunlive.co.nz/blogs/11837-el-nino-and-la-nina-and-southern-oscillation-index.html>

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