

Resource List for Geoff Coulson Interview on Extreme Weather

Lastest Science

* **Explaining Extreme Events from a Climate Change Perspective:** January 2018 American Meteorological Society Special Report on Extreme Weather Events and Climate Change:
<https://www.ametsoc.org/ams/index.cfm/publications/bulletin-of-the-american-meteorological-society-bams/explaining-extreme-events-from-a-climate-perspective/>

Articles on Extreme Weather

- **Canada's Top Ten Weather Stories of 2017, Dave Phillips, Environment Canada:**
<http://bulletin.cmos.ca/canadas-top-ten-weather-stories-2017/>
- * **The polar vortex cold-snap, arctic ice loss and global warming climate change:**
<https://goo.gl/42rf38>
- **Hurricanes, Fires, Drought, 2017 Year in Review:**
<https://insideclimatenews.org/news/29122017/hurricanes-fires-drought-2017-year-review-climate-change-disasters-new-normal>
- **Climate Change Is Happening Faster Than Expected, and It's More Extreme:**
<https://insideclimatenews.org/news/26122017/climate-change-science-2017-year-review-evidence-impact-faster-more-extreme>

Weather Websites

- Environment Canada's weather website with lots of info on past, current and future weather: <http://weather.gc.ca>
- **Lightning safety fact sheet:** <https://www.canada.ca/en/environment-climate-change/services/lightning/safety/preparedness-fact-sheet.html>
- Interactive weather map that allows you to overlay various weather fields on a scalable map background: <http://intellicast.com>
- Weather Underground site is full of interesting stuff including the Wundermap that plots volunteer weather observations from across North America <https://wunderground.com>
- Volunteer climate network that takes observations of rain and snow once a day across North America: <https://www.cocorahs.org/Canada.aspx>
- Helpful display of current weather conditions through the use of plow locations, dashcams and static cameras across the province: <http://trackmyplow.com>
- Example of the new generation of websites displaying future weather conditions through the use of supercomputer models. Very visual and intuitive to use: <http://windy.com>
- Jetstream Weather School from the National Weather Service...provides the building blocks of weather and some more advanced concepts:
<https://www.weather.gov/jetstream/>

CanWarn Network

CANWARN is a volunteer organization of ham radio operators who report severe weather when they see it to Environment Canada. What they do is called ground-truthing. They confirm on the ground what satellites and radars see in the atmosphere. When Environment Canada's weather centres issue severe weather watches or warnings, they alert the CANWARN volunteers at the organization's regional stations in the affected areas. The volunteers contact other CANWARN members on the ham radio, tell them a watch or warning has been issued and ask them to report signs of approaching severe weather. These include lightning, hail, cumulonimbus clouds or as they are known in the trade CBs, and funnel clouds, which if they touch down are then called tornadoes.

<http://www.ecoa.ca/canwarn.shtml>

Resource List for Interview with Brian Nash

* About Brian Nash and Haliburton Solar and Wind:

<https://www.haliburtonsolarandwind.com/company/>

* Ontario's Environmental Commissioner Assessments of Ontario's Climate Change Strategy and Action Plan: <https://eco.on.ca/our-reports/climate-change/>

* Ontario's Environmental Commissioner 2016 Report "Facing Climate Change":

http://docs.assets.eco.on.ca/reports/climate-change/2016/2016-Annual-GHG-Report_Executive-Summary-EN.pdf