



Niagara/GTA ARES

June 10, 2020

Volume 4 Issue 6

Special points of interest:

- Niagara ARES Newsletter will be published periodically and emailed to ARES members in the Niagara Region. / Website: <http://www.aresniagara.ca>
- Niagara ARES CEC is Henry, VA3OV.
- Contact Henry at: va3ov@bell.net.
- Newsletter prepared by Geddie, VE3CJX.
- To unsubscribe from this newsletter, contact Geddie at ve3cjx@cogeco.ca
- **Niagara ARES Voice Net every Monday 8:00pm VE3RAF & Packet Net on Wednesdays.**

**Join In and Tell Us
How You Are, wherever
you are...**

Round Robin Chat Net

MWF at 9:00 am

&

TTSS at 9:00pm

On VE3RAF

“ Shelter in Place”: A New Take on ARRL Annual Field Day

It is almost three months ago that we were told to stay home, isolate, maintain safe distance in public, wash our hands. Warm weather is here to stay, along with the birds, flowers and leaves on the trees. It is almost back to normal but with a slight difference, we still have to line up before entering public buildings and don't forget your mask.

Field Day on June 27 and 28 is just around the corner. Have you decided to operate your station following the ARRL rules adapted for the occasion. Facing an emergency situation now requires adaptive measures, so get curious and take your part in the history making 2020 Field Day events and we will learn together. This is really in true spirit of amateur radio. This is also a great opportunity to “shelter in place” as well test your communication equipment at your QTH.

On June 17 at 1900, we will conduct a Virtual Niagara ARES and Tech-nite meeting. We will cover questions regarding setting up HF stations, antennas, logging and any other topic of interest.

Restraint on non-essential travel and group activity have not been lifted for the time being here in Niagara. Hopefully we can resume our exercises and deploy in various sectors of the region while following the local and provincial public health rules of safety.

The season of extreme weather is upon us. Let's be vigilant and monitor the extreme weather reports from Environment Canada, Weather Channel, and our own repeater VE3RAF 145.190 MHz for CANWARN activation.

Check the aresniagara.ca web site calendar of events for up to date information.

73 Be prepared. Stay safe.

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Excerpt From: CANALERTE Ontario / CANWARN Ontario (EC) [mailto:ec.canalerteontario-canwarnontario.ec@canada.ca] **Sent:** Friday, April 03, 2020 12:56 PM **Subject:** CANWARN

Training Announcement Spring 2020: We do have some capacity for doing online webinar-style sessions. Given the current situation, and resource allocation, preferential consideration for these webinar-style training sessions will be given to those working in emergency management or critical infrastructure, and those with the ability to convene a group of participants (remotely).

If you feel this style of training might meet your local safety training requirements, do let us know and we will work with you to organize something. Here are some websites that may be of interest to you:

National Weather Service Spotter Guide:

https://www.weather.gov/media/bis/Weather_Spotter_Field_Guide.pdf

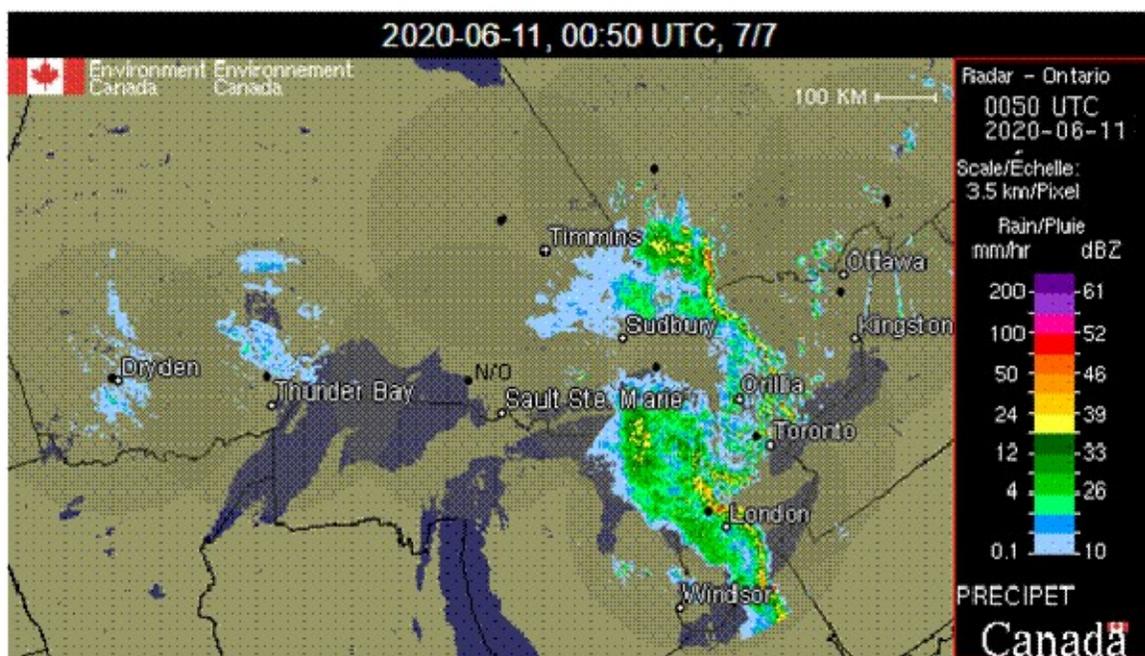
National Weather Service Spotter Glossary: <https://www.weather.gov/oun/spotterglossary>

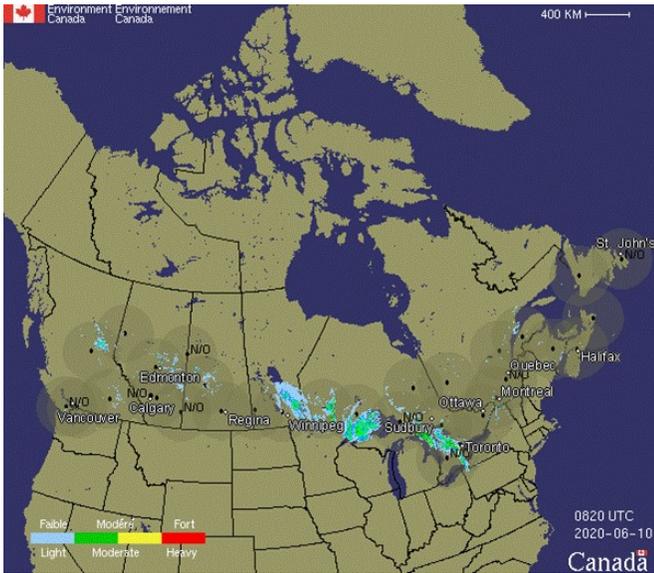
Environment Canada Lightning Safety:

<https://www.canada.ca/en/environment-climate-change/services/lightning/safety.html>

In addition, Environment Canada has a weather app called WeatherCAN available for both Apple and Android devices. This app represents the most direct way to receive our various severe weather watches and warnings. The app can be found in the app store on your Apple or Android device. More information on the app can be found here...

<https://www.canada.ca/en/environment-climate-change/services/weather-general-tools-resources/weathercan.html>





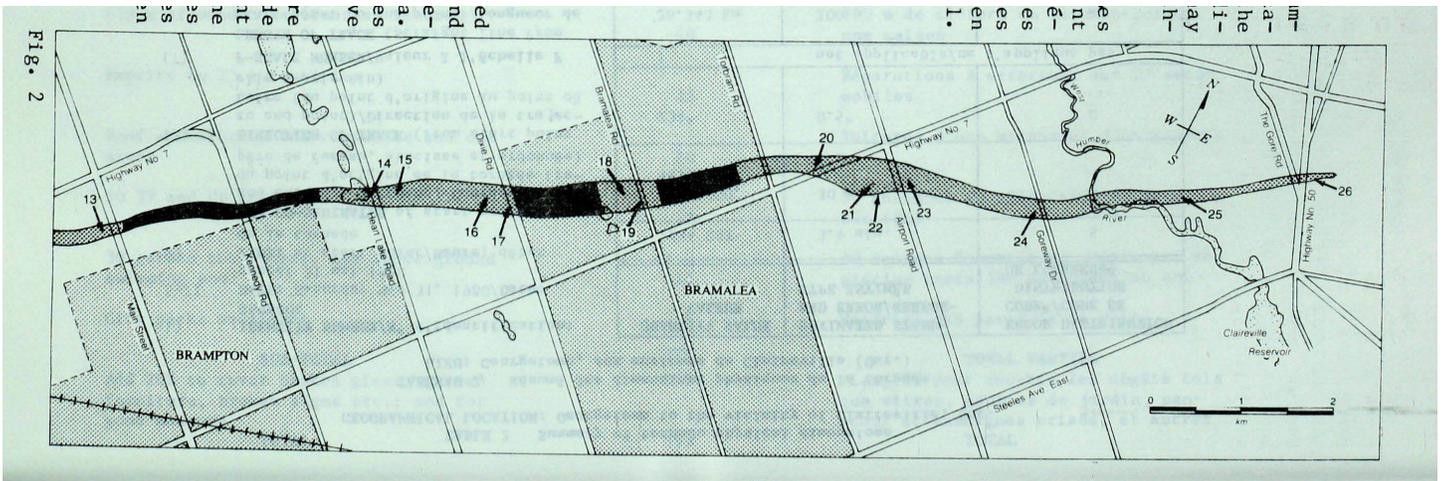
As members of ARES and the Amateur Radio networks we are aware of conditions taking place elsewhere that may yield to local emergency situations. So being prepared to use our vigilant and observational talents and radio systems we are able to respond to local as well as regional scale emergencies. The Weather is a topic often dealt with in a glib way.

However when you look at the history of effects and unexpected impacts one may become sceptical that the warnings are truly well founded and that one needs to be reminded that lightening can kill from miles away. To taking shelter and being prepared is always the cautious thing to do when warnings are posted as they are now, at this time as this newsletter is being pulled together again for the month. See your maps and full range of weather tools available to the amateur radio operators across North America. See that the local weather observations summarizing some 113 years just in the St. Catharines area alone.

Weather images are from: https://weather.gc.ca/radar/index_e.html?id=ONT

On March 31, 1980 around 1100 EST, This is What Happened:

A cold front crossing the Great Lakes was being tracked. Weather satellite photographs that two large clusters of thunderstorms had merged into one line oriented from south-southwest to north-north east. It was reported based on weather radar, located in Woodbridge, ON, around 1100 EST, tops as high as 15 km had diminished to 10 km within a space of 60 minutes.



The above Figure 2, shows part of the path of the 1981 tornado that wound it's way from Georgetown through Brampton along the Hwy No.7 on through Bramalea and ending east of the Clairville Reservoir near Gore Road at Hwy 50. The track of the tornado here indicates where the funnel may have been aloft with solid shading. Below figures 6 and 7 show the dramatic effect of subtle damage evident only in precise measurement. The barn located at 9284 Dixie Road in Figure 7 on the left looks wind damaged, however Figure 6 shows that the entire building was shifted and was warped on it's foundation by about 1 meter. The first view of the barn was from the SW corner. The full bilingual report is available in PDF at: <http://publications.gc.ca/site/eng/9.880149/publication.html>.

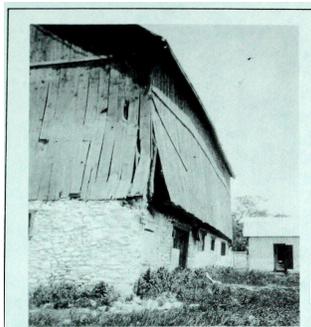


Fig. 7

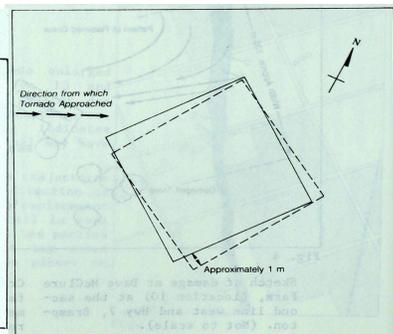
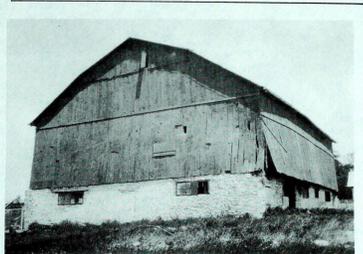


Fig. 6