### WX1GYX - 2018 SET After Action Review

2018 was the third year that the WX1GYX SKYWARN Amateur Radio Club participated in the Maine SET, and it was a good learning experience for everyone involved. We went into it with the intention of using it as a training exercise, especially since we had so many new hams involved. The SET built upon a successful Regional Sheltering Exercise, that we participated in together with Cumberland County EMA, in August, and a year-round Winlink training exercise with NH ARES.

For this year, we collaborated with the Wireless Society of Southern Maine Emergency Communications Team, which supports the Cumberland County EMA, in their plan to activate every FEMA/Red Cross shelter throughout Cumberland County with the hopes of identifying shelters that might require permanent antennas on site, relay links utilizing the county's communications trailer, or Key Stations. We requested the exchange of weather reports from each location as well as signal reports at various power levels (5 watts, 25 watts, and 50 watts). We also added DMR simplex into the mix, since DMR has become an important method for collecting weather reports during regular SKYWARN activities.

As an added component, we also incorporated Winlink and NBEMS as much as possible, and we were successful in doing so.

The county sent a message that 9 of the 11 regional shelters were activated, and we were successful in contacting each of them direct via FM Simplex and DMR (where applicable), during the SET. This is an improvement over last year. Although we contacted each shelter, Brunswick High School, and Lakes Region High School were difficult to copy on the mid to low power levels.

As an added bonus, we were successful in communicating between the NWS and EOC via GMRS during our first attempt.

Areas of improvement that we identified during the exercise, include:

- Reaffirmed need to assemble 50W capable backpack stations that can be deployed to a shelter
- Consider installing permanent antennas at Brunswick and Lakes Region High Schools
- Expand our digital capabilities among portable/mobile stations
- Formalize the transition from standard communications to those requiring a Net Control

For our third year participating, we had a lot of fun, learned a lot, and look forward to the next challenge!

# 2018 EC SET Report (FORM A)

Please fill out this report in triplicate (one copy to ARRL Headquarters, one copy to your SEC or DEC, one copy for your files). Attach newspaper clippings, photos, remarks, suggestions and any other material to be used in the write-up. Deadline for reporting is February 1, 2018. Please send to sewald@arrl.org at ARRL HQ. Thank you.

ARRL Section: Maine (ME)

Area of Jurisdiction: Androscoggin, Cumberland, Franklin, Kennebec, Knox, Lincoln, Oxford, Sagadhoc, Somerset, Waldo, and York Counties in Maine, and ALL of NH

Call Sign Used: WX1GYX

Email Address: <a href="mailto:mailto

|   | Computation of score:  |     |      | Points   |
|---|--|-----|------|--|
| Α | Number of amateurs who participated in the test  | 10  | X 2  | 20   |
| В | Number of new amateurs (licensed since 2013) participating   | 8   | X 3  | KC1XT KB1HBM KC1HJN KC1AOT W1CJC KC1HJK KC1JMH K1GJY |
| С | Number of formal 3rd party written traffic messages originated or delivered during the SET on behalf of served agencies  | 18  | X 1  | 18   |
| D | Were TACTICAL communications conducted on behalf of served agencies? (1 hour or more, score 20 points; 1/2 hour to 1 hour, score 10; less than 1/2 hour, score 5.) |     | N/A  | N/A  |
| Е | Number of stations on emergency power during the test  | 9   | X 2  | 18   |
| F | Number of emergency-powered repeaters used during the test  • Give call signs of repeaters:  | 0   | X 10 | We used no repeaters, as per the Maine SET rules     |
| G | Is <i>dual</i> membership in ARES and RACES actively encouraged? If YES, score 10 points.  | Yes |      | 10   |

| Н | Was liaison maintained during the SET with an NTS section or local net? If YES, score 10 points.  • Give call signs of station(s) performing liaison:               | Yes |      | <b>10</b><br>KB1HNZ   |
|---|---|-----|------|---|
| I | Were digital modes utilized at any time during the exercise? If YES, score 10 points  | Yes |      | <b>10</b> DMR, PSK250RC5  |
| J | <ul> <li>Name the digital modes utilized:</li> <li>Number of different agencies for which communications were handled</li> <li>Name the agencies served:</li> </ul> | 3   | X 5  | Winlink HF & VHF  15  Cumberland County EMA American Red Cross National Weather Service         |
| К | Number of communities in which agencies were contacted. (If none, score MINUS 10)  • Name the communities served:   | 10  | X 10 | Gray Windham South Portland Portland Cumberland Falmouth Gorham Naples Brunswick New Gloucester |
| L | Was a press release submitted? If YES, score 10 points, attach copy.  | Yes |      | 10<br>(see attached)  |
|   | TOTAL NUMBER OF POINTS  |     |      | 005   |
|   | TOTAL NOWIDER OF POINTS   |     |      | 235   |

| 1. Incident Name (optional): 2018 M   | Maine SET   |                                    |  |  |  |  |
|---|---|------------------------------------|--|--|--|--|
| 2. To (Name and Position): WS1EC, FN1WJO, KS1R  | KB1TCE, KX1EMA, W1WDW,  |                                    |  |  |  |  |
| 3. From (Name and Position): WX1GYX   | ζ   | NATIONAL WEATHER SERVICE GRAY      |  |  |  |  |
| 4. Subject : SKYWARN ACTIVATED  |   | 5. Date : 2018-10-27 6. Time 1205L |  |  |  |  |
| 7. Message :  |   |                                    |  |  |  |  |
| AS OF 1100 UTC, SKYWARN HAS BEEN ACTIVATED SERVICE IN GRAY, ME.   | WITH OPS AT THE NATIONAL WEATH  | ER                                 |  |  |  |  |
| PLEASE SEND REPORTS OF SEVERE WEATHER AND MOST LIKELY HAZARDS INCLUDE:  | DAMAGE TO WX1GYX VIA WINLINK.   |                                    |  |  |  |  |
| SLEET OR FREEZING RAIN<br>WIND IN EXCESS OF THIRTY (30) MILES PER HO<br>DOWNED TREES OR POWER LINES<br>IMPASSABLE OR CLOSED ROADS | WIND IN EXCESS OF THIRTY (30) MILES PER HOUR<br>DOWNED TREES OR POWER LINES |                                    |  |  |  |  |
| PLEASE ALSO REPORT ANY CHANGES IN PRECIPIT  | PATION.   |                                    |  |  |  |  |
| 8. Approved by: Name : ERIC EMERY KC1HJK  | Signature :   | Position/Title : SKYWARN LIAISON   |  |  |  |  |
| 9. Reply :  |   |                                    |  |  |  |  |
|   |   |                                    |  |  |  |  |
|   |   |                                    |  |  |  |  |
|   |   |                                    |  |  |  |  |
|   |   |                                    |  |  |  |  |
| 10. Replied by: Name :  | Position/Title :  | Signature:                         |  |  |  |  |
| ICS-213   | Date/Time :   |                                    |  |  |  |  |

| 1. Incident Name (optional): 2018 M  | aine SET         |                                     |
|--|------------------|-------------------------------------|
| 2. To (Name and Position): WX1GYX,   | N1WJ0            | NWS, MEMA                           |
| 3. From (Name and Position): WS1EC   |                  | CUMBERLAND COUNTY EOC               |
| 4. Subject : SHELTERS OPEN   |                  | 5. Date : 2018-10-27 6. Time 11:40L |
| 7. Message :   |                  |                                     |
| THIS IS AN EXERCISE MESSAGE.   |                  |                                     |
| THE FOLLOWING REGIONAL SHELTERS ARE OPENED BETWEEN EACH SHELTER AND THE CUMBERLAND CO  |                  | TABLISHED                           |
| BRUNSWICK HIGH SCHOOL EASTPOINT CHURCH FALMOUTH HIGH SCHOOL GORHAM MIDDLE SCHOOL GRAY / NEW GLOUCESTER HIGH SCHOOL GREELY MIDDLE SCHOOL LAKES REGION HIGH SCHOOL PORTLAND EXPO BUILDING SOUTH PORTLAND HIGH SCHOOL SOUTH PORTLAND COMMUNITY CENTER WINDHAM HIGH SCHOOL  END OF EXERCISE MESSAGE. |                  |                                     |
| 8. Approved by: Name : CJ CARLSSON WICJC   | Signature :      | Position/Title : HAM RADIO OP       |
| 9. Reply :   |                  |                                     |
|  |                  |                                     |
| 10. Replied by: Name :   | Position/Title : | Signature:                          |
|  |                  |                                     |

| 1. Incident Name (optional): 2018 Ma   | aine SET         |                                    |
|--|------------------|------------------------------------|
| 2. To (Name and Position): WS1EC, W  | X1GYX            | CUMBERLAND COUNTY EOC, NWS         |
| 3. From (Name and Position): KB1HNZ  |                  | HAM RADIO OP                       |
| 4. Subject : TREE DOWN   |                  | 5. Date : 2018-10-27 6. Time 9:24L |
| 7. Message :   |                  |                                    |
| THIS IS AN EXERCISE MESSAGE.   |                  |                                    |
| LARGE OAK TREE BLOCKING INTERSECTION OF WO FALMOUTH. SEND WORK CREW TO CLEAR TREE. WA'IN AREA. |                  |                                    |
| END OF EXERCISE MESSAGE.   |                  |                                    |
|  |                  |                                    |
|  |                  |                                    |
| 8. Approved by: Name : TIM WATSON KB1HNZ   | Signature :      | Position/Title : HAM RADIO OP      |
| 9. Reply :   |                  |                                    |
|  |                  |                                    |
|  |                  |                                    |
|  |                  |                                    |
|  |                  |                                    |
|  |                  |                                    |
| 10. Replied by: Name :   | Position/Title : | Signature:                         |
| ICS-213  | Date/Time :      |                                    |

| 1. Incident Name (optional): 2018 M  | aine SET                        |                                    |
|--|---------------------------------|------------------------------------|
| 2. To (Name and Position): WS1EC   |                                 | CUMBERLAND COUNTY EOC              |
| 3. From (Name and Position): KB1HNZ  |                                 | HAM RADIO OP                       |
| 4. Subject : CASCO BAY BRIDGE CLOSE  | D                               | 5. Date : 2018-10-27 6. Time 1215L |
| 7. Message :   |                                 |                                    |
| THIS IS AN EXERCISE MESSAGE. CASCO BAY BRIDGE HAS BEEN CLOSED DUE TO SE END OF EXERCISE MESSAGE. | VERE ICING ON ROAD SURFACE.     |                                    |
| 8. Approved by: Name : TIM WATSON KB1HNZ   | Signature :                     | Position/Title : HAM RADIO OP      |
| 9. Reply :   |                                 |                                    |
| 10. Replied by: Name : ICS-213   | Position/Title :<br>Date/Time : | Signature:                         |

Message ID: 3ICDPGL2NV3Q Date: 2018/10/27 19:47

From: KB1TCE To: WX1GYX Source: KB1TCE

Downloaded-from: Telnet:cms.Winlink.org Subject: Re: //WL2K SKYWARN Activation

Thank you for your notification.

73, Steve KB1TCE KN83

---- Message from WX1GYX sent 2018/10/27 16:11 ----

Message ID: 09ZN0IW1SNTT Date: 2018/10/27 16:11

From: WX1GYX

To: WS1EC; KB1TCE; KX1EMA; W1WDW; N1WJO; KB1HNZ; N1XP; KC1HJK

Source: WX1GYX

Subject: //WL2K SKYWARN Activation

See attached ICS-213 message.

73'

WX1GYX

National Weather Service Gray, ME

| 1. Incident Name (optional): 2018 Ma                 | ine SET                          |     |      |          |         |        |         |
|--|----------------------------------|-----|------|----------|---------|--------|---------|
| 2. To (Name and Position): WX1GYX                    |                                  |     |      |          |         |        |         |
| 3. From (Name and Position):                         |                                  |     |      |          |         |        |         |
| 4. Subject : WEATHER REPORTS                         |                                  | 5.  | Date | : 2018-1 | 0-27 6. | Time   | 1355L   |
| 7. Message :   |                                  |     |      |          |         |        |         |
| THIS IS AN EXERCISE MESSAGE.                         |                                  |     |      |          |         |        |         |
| WE HAVE RECEIVED THE FOLLOWING WEATHER REPO          | ORTS FROM OUR SHELTER LOCATIONS: |     |      |          |         |        |         |
| BRUNSWICK HIGH SCHOOL: 38 DEGREES, OVERCAST          | , NO PRECIPITATION               |     |      |          |         |        |         |
| GORHAM MIDDLE SCHOOL: 38 DEGREES, LIGHT RAI          | IN, NO WIND                      |     |      |          |         |        |         |
| GRAY NEW GLOUCESTER HIGH SCHOOL: 39 DEGREES SEVERE   | , MODERATE RAIN, NO WIND, NOTHI  | NG  |      |          |         |        |         |
| GREELY MIDDLE SCHOOL: 40 DEGREES, LIGHT WIN          | ND, HEAVY OVERCAST, NO PRECIPITA | TIO | N    |          |         |        |         |
| LAKES REGION HIGH SCHOOL: 39 DEGREES, OVER           | CAST, NO WIND, NO PRECIPITATION  |     |      |          |         |        |         |
| PORTLAND EXPO BUILDING: 40 DEGREES, STEADY NW BREEZE | LIGHT RAIN, DIAGONAL AT TIMES,   |     |      |          |         |        |         |
| SCARBOROUGH HIGH SCHOOL: NOT ACTIVATED               |                                  |     |      |          |         |        |         |
| SOUTH PORTLAND COMMUNITY CENTER: 43 DEGREES STARTING | S, CLOUDY, LIGHT SE WIND, RAIN   |     |      |          |         |        |         |
| EASTPOINT CHURCH (THE POINT): 39 DEGREES, C          | OVERCAST, LIGHT BREEZE           |     |      |          |         |        |         |
| WESTBROOK HIGH SCHOOL: NOT ACTIVATED                 |                                  |     |      |          |         |        |         |
| WINDHAM HIGH SCHOOL: 39 DEGREES, LIGHT RAIN          | ī                                |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
| END OF EXERCISE MESSAGE.                             |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
| 8. Approved by: Name : CJ CARLSSON W1CJC             | Signature :                      |     | Pos  | ition/Ti | tle :   | HAM OI | PERATOR |
| 9. Reply:  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
|  |                                  |     |      |          |         |        |         |
| 10. Replied by: Name :                               | Position/Title :                 |     |      | Signat   | ure: _  |        |         |
| ICS-213  | Date/Time :                      |     |      |          |         |        |         |

## **2018 WX1GYX**

# **Preliminary Outline:**

The goal of the 2018 Maine Simulated Emergency Test (SET), for the National Weather Service SKYWARN station, WX1GYX, will be to establish two-way communications between ourselves and WS1EC, operating from Cumberland County EMA, and each of the thirteen regional shelters within Cumberland County.

Portable / Mobile stations at each shelter location will attempt to make contact via 2 Meter FM Simplex, DMR Simplex, and if equipped, send/receive a digital message. Suggested traffic will be a weather report from each location, requests for supplies, or anything else relevant to the exercise scenario, which is an Ice Storm.

Our objective is to help WSSM-ECT reaffirm which shelters will require more than a 5W HT to communicate with either the EOC or NWS, and also determine if a permanent antenna installation is required / recommended at any of the shelter locations.

Initial contacts and coordination will take place on **146.580** FM Simplex. The recommended DMR Simplex frequency will be **145.790**. We will also attempt to make contact via GMRS if time allows.

Other components of the SET will be to establish contact with MEMA on the ARES HF SSB net (if one takes place), and also to be ready to send and receive traffic via Winlink on HF.

Once all shelter traffic is completed, it will be recommended for operators at both CCEMA and NWS to attempt contacts with adjacent counties to assist in any way with their SET efforts, before securing the station.

The time frame for previous SETs was 8AM-12PM, although nothing firm has been announced yet about the 2018 schedule. As we get closer, we'll set a schedule for our own activities.

#### Maintain Contact with WS1EC

| WS1EC – Cumberland County EOC |                           |              |              |  |  |
|-------------------------------|---------------------------|--------------|--------------|--|--|
| $\checkmark$                  | Contacted via FM Simplex  | Time: 8:09am | Report: 59   |  |  |
| $\checkmark$                  | Contacted via DMR Simplex | Time: 8:07am | Report: 59   |  |  |
| $\checkmark$                  | Received Digital Message  |              | ✓ Sent Reply |  |  |

#### Maintain Contact with MEMA

| M | Maine Emergency Management Agency |       |         |            |
|---|-----------------------------------|-------|---------|------------|
|   | Contacted via FM Simplex          | Time: | Rej     | port:      |
|   | Contacted via HF                  | Time: | Report: |            |
|   | Received Digital Message          |       |         | Sent Reply |

Maine ARES HF Frequencies: 3940 kHz (SSB), 7262 kHz (SSB), 3583 kHz (Digital Traffic)

# Contact with Adjacent County

| County: York |                                       |       |            |            |  |
|--------------|---------------------------------------|-------|------------|------------|--|
| <b>√</b>     | Contacted via FM Simplex Time: 9:44am |       | Report: 59 |            |  |
|              | Contacted via FM Repeater             | Time: | Re         | Report:    |  |
|              | Contacted via HF                      | Time: |            |            |  |
|              | Received Digital Message              | 5     |            | Sent Reply |  |

# Contact with Adjacent County

| County: |                           |               |    |            |  |  |
|---------|---------------------------|---------------|----|------------|--|--|
|         | Contacted via FM Simplex  | Time: 10:44am | Re | eport:     |  |  |
|         | Contacted via FM Repeater | Time:         | Re | Report:    |  |  |
|         | Contacted via HF          | Time:         |    | _          |  |  |
|         | Received Digital Message  |               |    | Sent Reply |  |  |

# Contact with Adjacent County

| County: |                           |       |    |            |  |
|---------|---------------------------|-------|----|------------|--|
|         | Contacted via FM Simplex  | Time: | Re | eport:     |  |
|         | Contacted via FM Repeater | Time: | Re | Report:    |  |
|         | Contacted via HF          | Time: |    | _          |  |
|         | Received Digital Message  |       |    | Sent Reply |  |

## Notes:

| Attempted to contact MEMA on both published ARES HF frequencies throughout the SET, but nothing was heard. Not sure if |
|--|
| it was just poor conditions or if there really wasn't anyone there.  |
| HF Contact with WS1EC at 11:23am on 3940 kHz 57 report both ways   |
| Brad, WRAT256 at CCEMA, contacted Tim WQKD305 at NWS at 10:50am via GMRS   |
|  |





# 2018 WX1GYX SET Worksheet

# WX1GYX - National Weather Service Gray, ME

| Num              | ber of participants: 10   | _                            |                                    |                  |                      |
|------------------|---|------------------------------|------------------------------------|------------------|----------------------|
| Num              | ber of communities served: 10   |                              |                                    |                  |                      |
| Num              | ber of agencies served: 3   |                              |                                    |                  |                      |
| Num              | ber of digital messages exchanged   | l: <u>8</u>                  |                                    |                  |                      |
| Tota             | I number of messages exchanged:   | 18                           |                                    |                  |                      |
| She              | Iter Locations:   |                              |                                    |                  |                      |
| Br               | unswick High School   |                              | Portable / Mobile                  | Station: KC1X    | T & KC1HBM           |
|                  | Contacted via FM Simplex  | Time: 9:37am                 | Report (5W): 59                    | (25W): 59        | (50W): 59            |
| 7                | Contacted via DMR Simplex   | Time: 9:39am                 | Report (5W): 59                    | (25W): 59*       | (50W): 59*           |
|                  | Received Digital Message  |                              | Sent Reply                         |                  |                      |
| 38 de            | Report Received: grees, overcast, no precipitation s: * DMR Simplex medium and high power | levels were: 30W and 4       | 45W                                |                  |                      |
|                  |   |                              | Portable / Mobile                  | Station: ICO4 II |                      |
| Eastpoint Church |   |                              |                                    | (25W):           |                      |
| <b>Y</b>         | Contacted via FM Simplex  | Time: 9:19am<br>Time: 9:37am | Report (5W): 59<br>Report (5W): 59 | (25W):           | (50W): 59*<br>(50W): |
| ₩\               | Contacted via DMR Simplex Received Digital Message  | mile. 9:37am                 | Sent Reply                         | (2300).          | (5000).              |
| 39 de            | Report Received:<br>grees, overcast, light breeze   |                              | Зепт керту                         |                  |                      |
| Note             | s: *Brad's high power output was 40W  |                              |                                    |                  |                      |

| 7  | ed via FM Simplex  | Time: 9:08am                                     | Report (5W): 59   | /2E\M\\                               | /F014/1 F0          |
|--|--|--|---|---------------------------------------|---------------------|
| Contacte   | - 55 AND   |  | richore (211). 00   | (25W): 59                             | (50W): 59           |
|  | ed via DMR Simplex   | Time: 9:11am                                     | Report (5W): 33   | (25W):                                | (50W):              |
| <b>✓</b> Received  | l Digital Message  |  | Sent Reply  |                                       |                     |
| X Report Recei<br>degrees, heavy   | ived:<br>overcast, light wind, no preci  | pitation   |   |                                       |                     |
| otes: Tim was us   | sing a 5W HT for DMR simple  | ex. Copyable, but with s                         | ome digital hash  |                                       |                     |
|  |  |  | Portable / Mobile S   | Station: KC1F                         |                     |
| Gorham M   | liadie School  |  |   |                                       |                     |
|  | A CONTRACTOR OF THE STATE OF TH | Time: 9:49am                                     |   |                                       | (50W): 57           |
| <b>√</b> Contacte  | ed via FM Simplex  | Time: 9:49am<br>Time: 9:35am                     | Report (5W): N/A<br>Report (5W): 55   | (25W): 44*<br>(25W):                  | (50W): 57<br>(50W): |
| ✓ Contacte ✓ Contacte Received  VX Report Received Exercise message:   | ed via FM Simplex<br>ed via DMR Simplex<br>I Digital Message<br>ived:<br>Trees down, 0.25" of ice cov  | Time: 9:35am                                     | Report (5W): N/A Report (5W): 55 Sent Reply   | (25W): 44*                            |                     |
| Contacte Received  VX Report Received Exercise message: Actual report: 37 de   | ed via FM Simplex ed via DMR Simplex I Digital Message   | Time: 9:35am ering tree branches, poecipitation  | Report (5W): N/A Report (5W): 55 Sent Reply  wer lines, and road signs                    | (25W): 44*<br>(25W):                  | (50W):              |
| Contacte Contacte Received  /X Report Received   | ed via FM Simplex ed via DMR Simplex I Digital Message  ived: Trees down, 0.25" of ice covegrees, very light wind, no pre  | Time: 9:35am ering tree branches, poecipitation  | Report (5W): N/A Report (5W): 55 Sent Reply   | (25W): 44*<br>(25W):                  | (50W):              |
| Contacte Contacte Received  X Report Received  X Re | ed via FM Simplex ed via DMR Simplex I Digital Message  ived: Trees down, 0.25" of ice covegrees, very light wind, no pre  | Time: 9:35am ering tree branches, poecipitation  | Report (5W): N/A Report (5W): 55 Sent Reply  wer lines, and road signs                    | (25W): 44*<br>(25W):                  | (50W):              |
| Contacte Contacte Received  /X Report Received  // A Report Received  // Contacte  // Contacte   | ed via FM Simplex ed via DMR Simplex I Digital Message  ived: Trees down, 0.25" of ice covegrees, very light wind, no pre medium power output was 10   | Time: 9:35am ering tree branches, posecipitation | Report (5W): N/A Report (5W): 55 Sent Reply wer lines, and road signs Portable / Mobile S | (25W): 44*<br>(25W):<br>Station: KB1H | (50W):              |

| Contacted via FM Simplex   | Time: 10:07am       | D . /F\A/\ =0  | \$12000000 PP _0000               | /E0141\ =6                        |
|--|---------------------|--|-----------------------------------|-----------------------------------|
| Contacted via DMD Cimalian   | Timer 10.07 ann     | Report (5W): 59  | (25W): 59                         | (50W): <b>59</b>                  |
| ✓ Contacted via DMR Simplex  | Time: 9:59am        | Report (5W): 59  | (25W):                            | (50W):                            |
| Received Digital Message   |                     | Sent Reply   |                                   |                                   |
| /X Report Received:<br>0 degrees, light wind, heavy overcast, no pre   | ecipitation         |  |                                   |                                   |
| otes: Tim was using a 5W HT for DMR sim  | plex                |  |                                   |                                   |
| Lakes Region High School   |                     | Portable / Mobile S  | Station: KC1A                     | <br>\OT                           |
|  |                     |  |                                   |                                   |
| ✓ Contacted via FM Simplex   | Time: 10:22am       | Report (5W): N/A   | (25W): 59                         | (50W): 59*                        |
| ✓ Contacted via FM Simplex Contacted via DMR Simplex   | Time: 10:22am Time: | Report (5W): N/A<br>Report (5W):                               | (25W): 59<br>(25W):               | (50W): 59*<br>(50W):              |
| Contacted via DMR Simplex Received Digital Message  VX Report Received:  | Time:               | 10.0 10 00 00 00 00  | 5 5 M MM                          | ida d                             |
| Contacted via DMR Simplex Received Digital Message  VX Report Received: 39 degrees, overcast, no wind, no precipitatio  Jotes: Ron's high power output was 65W   | Time:               | Report (5W):  Sent Reply                                       | (25W):                            | (50W):                            |
| Contacted via DMR Simplex Received Digital Message  VX Report Received: 39 degrees, overcast, no wind, no precipitatio  Jotes: Ron's high power output was 65W  Portland Expo Building                           | Time:               | Report (5W):  Sent Reply  Portable / Mobile S                  | (25W):                            | (50W):                            |
| Contacted via DMR Simplex Received Digital Message  WX Report Received: 99 degrees, overcast, no wind, no precipitatio  Hotes: Ron's high power output was 65W  Portland Expo Building  Contacted via FM Simplex | Time: 9:15am        | Report (5W):  Sent Reply  Portable / Mobile S  Report (5W): 55 | (25W):<br>Station: KC1J<br>(25W): | (50W):<br> <br> MH<br> (50W): 59* |
| Contacted via DMR Simplex Received Digital Message  VX Report Received: 39 degrees, overcast, no wind, no precipitatio  Notes: Ron's high power output was 65W  Portland Expo Building                           | Time:               | Report (5W):  Sent Reply  Portable / Mobile S                  | (25W):                            | (50W):                            |

| Sca          | arborough High School   |               | Por | table / Mobile | Station: No | t Activated |
|--------------|---|---------------|-----|----------------|-------------|-------------|
| <b>V</b>     | Contacted via FM Simplex  | Time:         | Rep | oort (5W):     | (25W):      | (50W):      |
| <b>√</b>     | Contacted via DMR Simplex   | Time:         | Rej | oort (5W):     | (25W):      | (50W):      |
|              | Received Digital Message  | •             |     | Sent Reply     |             |             |
| WX F         | Report Received:  |               |     |                |             |             |
| Note         | S:  |               |     |                |             |             |
| So           | uth Portland High School  |               | Por | table / Mobile | Station: KC | 1JMH        |
| <b>V</b>     | Contacted via FM Simplex  | Time: 10:11am | Re  | oort (5W): 59  | (25W):      | (50W): 59*  |
| <b>V</b>     | Contacted via DMR Simplex   | Time: 10:16am | Rep | oort (5W): 59  | (25W):      | (50W):      |
| П            | Received Digital Message  | <u> </u>      |     | Sent Reply     |             |             |
|              | egrees, cloudy, light SE wind, rain starting s: *Brad's high power output was 40W |               |     |                |             |             |
| So           | uth Portland Community  | Center        | Por | table / Mobile | Station: KC | 1JMH        |
| $\checkmark$ | Contacted via FM Simplex  | Time: 9:44am  | Rej | ort (5W): 59   | (25W):      | (50W): 59*  |
| $\checkmark$ | Contacted via DMR Simplex   | Time: 9:50am  | Rej | ort (5W): 59   | (25W):      | (50W):      |
|              | Received Digital Message  | <i>V</i>      |     | Sent Reply     |             |             |
| 43 de        | Report Received:  grees, wind increasing  |               |     |                |             |             |
| Note         | s: *Brad's high power output was 40W  |               |     |                |             |             |

| (25W): (50W):<br>(25W): (50W): |
|--------------------------------|
| (25W): (50W):                  |
|                                |
| ly                             |
|                                |
|                                |

| Windham High School |   |              | Portable / Mobile Station: KC1HJN |            |        |        |
|---------------------|---|--------------|-----------------------------------|------------|--------|--------|
| <b>✓</b>            | ✓ Contacted via FM Simplex Time: 8:44am |              | Report (5W):                      |            | (25W): | (50W): |
| <b>V</b>            | Contacted via DMR Simplex               | Time: 8:39am | Re                                | port (5W): | (25W): | (50W): |
|                     | Received Digital Message                |              |                                   | Sent Reply |        |        |

Notes:

| WX Report Received:                          |  |
|--|--|
| Actual report: 39 degrees, light rain        |  |
|  |  |
|  |  |
| Notes: *Waylon's medium power output was 10W |  |





# **NWS Radio Operators Participate in Statewide Exercise**

On Saturday, October 27th, members of the WX1GYX SKYWARN Amateur Radio Club, that supports SKYWARN operations for the National Weather Service, in Gray, Maine, will participate in a statewide drill to test their communications capabilities. The drill, known as the Simulated Emergency Test, or SET, is an annual exercise, sponsored by the American Radio Relay League, which encourages amateur radio operators from across the country test their communications skills during a mock disaster.

During the SET, hams are required to quickly establish communications between various Emergency Operations Centers and exchange formal messages and traffic, which contain requests for supplies, medical or weather information, or other things that may be of importance during a disaster. They do this via voice, Morse code, and digital two-way radio, on bands ranging from HF to UHF, as required.

"The scenario for this year is an ice storm, which is a real possibility in Maine," says Eric Emery, of New Gloucester. Emery is a volunteer amateur radio operator, who provides communications for the National Weather Service's SKYWARN program during severe weather events throughout the year. "The SET tests how we respond during large-scale disasters, where commercial infrastructure has failed. In these events, hams are often the only source of communications."

"SKYWARN is a program where ham radio operators provide real-time weather reports to the National Weather Service. Part of our goal during this exercise is to maintain the flow of reports to the NWS, despite the challenging conditions," adds Emery. "Amateur radio has a long history of volunteerism. Sure, it's a hobby and there's some fun things that we do like mountaintop expeditions or competitive events like contesting, but so many like to stay sharp by providing support for programs like SKYWARN and community events, and drills like this, so they'll be ready to offer their time and expertise when disaster strikes."

The SKYWARN group is participating in the SET for the third time. "Last year went really well, and we have a solid plan and a list of goals to accomplish for 2018," says Emery.

After the event, the participants will do an assessment to determine how well they performed and look for areas to improve on. "There's always new things to learn and ways to improve," adds Emery. "But the important thing to know is that we'll be ready to help."

For more information about amateur radio, or the WX1GYX SKYWARN Amateur Radio program, please visit their website at: http://www.ws1sm.com/SKYWARN.html