

WAWA News Letter

Waterville Area Wireless Association
April 1998

Box 1646
Waterville Me, 04903

Tune in to WAWA Wednesday Night Net at 7:30 on 146.76.

The next meeting of the Waterville Area Wireless Association is scheduled for Saturday April 4, 1998 at 9:00 am at the Winslow Elementary School Music Room follow the signs.

March 1998 Club Meeting Notes

The March meeting of the Waterville Area Wireless Association was called to order on March 14th, 1997 at 9:15 am at the Winslow Community Center.

Our secretary N1XIQ was unable to attend so Mike (N1NAF) agreed to record the minutes of the meeting.

New Meeting Place

Gene (N1MUN) has suggested the use of the Winslow Elementary school for club meetings. The club will not have to pay for use and this move will save the club \$10 a month. For the number of meetings we hold this is about \$100 a year savings.

Those present agreed on changing the club meeting location. Mike (N1NAF) did voice a concern that the use of the facility not fall solely upon Gene. Ron (N1NPJ) assured the group that he as club present would be allowed to use the facility if Gene was unable to attend.

With unanimous approval, the next meeting of the Waterville Area Wireless Association will be held at the Winslow Elementary School.

Area Exam

Ron (N1NPJ) mentioned that Don (AE1Q) is willing to sponsor an exam in the Waterville area sometime this spring. After looking over the calendar of events the club decided to try and set an exam for the 25th of April. Ron will clear this date with Don and Gene (N1MUN).

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March of Dimes - Walk America

Mike (N1NAF) reminded those present that the March of Dimes annual walk-a-thon is scheduled for Sunday April 26th. Volunteers will be need to provide radio communications between checkpoints and the sag wagon. Mike will be making contact with the event sponsors to obtain additional information and will be reporting back to the club at the April meeting.

Lewiston Hamfest

Ron (N1NPJ) reported that we recruited no new members at the Lewiston hamfest. However, we did distribute most of our fliers and newsletters. Hopefully, we may see a membership form or two arrive in the mail.

Treasurers Report

Mike (N1NAF) announced that the club has \$202.86 in our club account. Mike also announced the club is being charged a \$3 a month service charge for having a balance below \$300 and suggested that the club find a new bank that doesn't have such a high deposit limit on savings.

The club agreed to changing banks. A credit union was suggested, however, membership rules might be a concern. Mike mentioned that the Notre Dame Credit Union in Waterville required at least two officers to be members or eligible for membership. Dennis (WX1V) suggested the KV Credit Union as a possibility as he believed they may have very liberal membership requirements. Mike and Dennis will be investigating further. Once an appropriate bank or credit union has been located, Mike will fill out the paper work to open a new account and close out our old account.

Club trailer

A discussion started on getting the club's trailer set up a hinged base and

Club Meeting Notes (Continued on page 3)

(Continued from page 2) Club Meeting Notes

possibly adding supporting brackets to make the platform more stable when deployed. If we don't hear from Mike (KB1AWS) soon, we will have to contact him to see if we can pick up the trailer. Also Ron (N1NPJ) will handle the re-registration of the trailer.

Application Form

The redesign of the clubs application form was tabled until next meeting.

Club WEB Site

The club's website is still active and can be found at the following URL:
<http://www.maineiac.com/msad49/mike/>

Maine Lung Association's Trek Across Maine

Just a reminder that Bill (WILEE) is looking for volunteers to provide radio support for this years Trek Across Maine. This is a 3 day event scheduled for the 3rd full weekend in June. This year, the dates will be Friday June 19, Saturday June 20, and Sunday June 21. Traditionally, day 1 has the treker's leaving Sunday River and arriving at the University of Maine at Farmington. Day 2 has the treker's leaving UMF and arriving at Colby College, and Day 3 has the treker's leaving Colby and arriving at the Samoset in Rockland.

Volunteers will be needed to provide communications between staff vehicles and checkpoints during the 3 day event. If you are interested in assisting with this worthy cause and can spare time during any of the 3 days, please contact Bill (WILEE) via e-mail at William.Akins@state.me. us by phone at (207) 872-9405 or by mail at:

William Akins
2 Harry Street
Winslow, Me 04901

Field Day 1998

See Field Day 1998 Update

Next Meeting

Our next meeting will be 9:00 am on April 2nd at the Winslow Elementary School which is located across the highway from the Winslow paper mill.

Written by: Mike (N1NAF)

Field Day 1998 Update

Field Day plans are in the work for this years field day. The club has accepted Dennis's (WX1V) offer to use his site for the location of the WAWA station. This gives access to a screened in garage and large lot for setup of various antennas that will be in use. This spring, the site will be surveyed to plan out the positioning of the antenna's that will be in use to try and restrict the interference experienced in the past.

Editors Note: See ARRL Bulletin ARLB019 for major changes to how bonus points are awarded for field day contacts. Also see Field day Rules for full text of rule changes.

As for equipment, the preliminary list is as follows:

Ron (N1NPJ)

- 6 foot table and chairs
- Drake HF radio

Mike (N1NAF)

- 3 Chairs
- FT-736R (2, 6, and 440) all mode
- 2 meter beam
- vhf multi-band antenna
- vhf tower
- 1 old laptop for computer logging

Bill (W1LEE)

- 6 meter beam

Dennis (WX1V)

- 50 AMP Power Supply
- Generator
- Kenwood HF radio

William (N1RCV)

- Kenwood HF radio

Logging will be tricky and it was suggested that each station have its own logging equipment. Also this year, the stations will be fixed to bands with band-pass filters developed by WX1V. This should limit the interference seen in past events.

Field Day 1998 Update (Continued on page 5)

(Continued from page 4) Field Day 1998 Update

Setup should start early and we might even try to do some setup Friday evening to give us a head start. For Saturday, we want to have an early start for setup in order to avoid the heat seen in the past events. Avoiding the hottest part of the day seems to be a major concern as our limited field day staff tends to exhaust themselves with setup and have little energy left for running radios.

Even if you have no equipment you are welcomed to attend to visit, to help with setup, and for radio operations (which is the fun part).

Written by: Mike (NINAF)

Upcoming Hamfest Calendar

Saturday & Sunday	HOSSTRADERS, Rochester, NH
Saturday June 6, 1998	Bangor Hamfest at Hermon, Hermon High School on Route 2, East of I-95
Saturday July 11, 1998	Union Hamfest at Union Fairgrounds (Moved back from Clinton Fairgrounds).
Saturday August 8, 1998	Saint Albans Hamfest, Snow Devil's Field Saint Albans Maine, Route 152, 4 miles north of town.
Saturday September 12, 1998	Windsor Hamfest, Windsor Fairgrounds, South Windsor on Route 32 one half mile north of junction of route 17.
Saturday September 26, 1998	Lincoln Hamfest, Ella Burr School, Lincoln Maine, north of town, follow signs
Saturday & Sunday October 2 & 3, 1998	HOSSTRADERS, Rochester, NH

Editors note: These are preliminary dates. Watch for more details in future newsletters. I will try to publish the bulletins for each Hamfest prior to their occurrence.

1998 Maine Ham Test/Events

The following shows ham exams, hamfests (LOCATIONS IN CAPS) and other events of interest to the mameur community for 1998.

NOTE: Times are for exams; No Time - No Known Exam. Most hamfests open at 8:00 a.m. Most, but not all hamfests offer exams.

Date	Time	Place
Saturday April 1, 1998	9:00a	Auburn, Red Cross Bldg. N1GZB/W5YI Brad Saunders 966-3653
Saturday April 18, 1998	9:00a	Bangor Community Center, Davis Rd AA1H/ ARRL Charles Hershey 945-6228
Tuesday April 28, 1998	6:30p	Presque Isle, NMTC Augusta Christie Bldg. Rm 113 WA1YNZ/ARRL Wilburn Scott 455-8333
Thursday May 21, 1998	6:00p	Hallowell, Halldale High School, Maple St. AE1Q/ARRL Don Smith 293-2935
Friday May 29, 1998	6:30p	Alfred, Fire Station AA1CZ/ARRL Al Noble 324-1718
Saturday June 6, 1998	8:00a	BANGOR HAMFEST, HERMON H. S., KA1TKS Exams 10:00a K1AG/ARRL Bill Sullivan 947-4051
Saturday June 27, 1998	9:00a	Trenton, American Legion Post #207 N1NGM/W5YI Norman Veillett 565-3634
Wednesday July 15, 1997	6:00p	Togus V.A. Center, Bldg 210 (Code 6:00, written 7:00) AE1Q/ARRL Don Smith 293- 2935
Saturday July 25, 1997	?????	PORTLAND AREA Hamfest in planning stage NX1A/ARRL Bernie Reynolds
June 27 & 28, 1998		Field Day

Please note that these are tentative dates only

Contact the listed VE team leader before traveling to verify location, time, current fee and exams being offered. Listen to Amateur Radio nest for bulletins and updates. Walk-Ins are usually welcome. Examinees must have 2 forms of positive identification. Licensed amateurs trying to upgrade must have in their possession the original license and any original certificates of completion and a clear photo copy of each. Contact the VE team leader in advance if special exam. facilities are required or proposed.

1998 Field Day Rules

1. **Eligibility:** Field Day is opened competitively to all amateurs in the ARRL/RAC Field Organization (plus Yukon and Northwest Territories). Foreign stations may be contacted for credit, but are not eligible to compete.
2. **Object:** To work as many stations as possible on any or all amateur bands (excluding the 30, 17, and 12-Meter bands) and, in doing so, to learn to operate in abnormal situations under less-than-optimum conditions. A premium is placed on skills and equipment developed to meet the challenge of emergency preparedness and to acquaint the public with the capabilities of Amateur Radio.
3. **Date and Field Day Period:** Always held on the fourth full weekend of June. Begins 1800 UTC Saturday, ends 2100 UTC Sunday (June 27-28, 1998).
 - 3.1. Class A and Class B (see below) stations who do not begin setting up until 1800 UTC Saturday may operate the entire Field Day period of 27 hours.
 - 3.2. Others must begin their setup no earlier than 1800 UTC Friday, and may operate no more than 24 consecutive hours, ie, once on-the-air Field Day operation has started, it must end 24 hours from that point.
4. **Entry Categories:** Field Day entries are classified according to the maximum number of simultaneous transmitted signals, followed by the designation of the nature of the individual or group participation. Below 30 MHz, once a transmitter is used for a contact on a band, it must remain on that band for at least 15 minutes. During this 15-minute period, the transmitter is considered to be transmitting a signal, whether it is or not, for the purpose of determining transmitter class. Switching devices are prohibited.
 - 4.1. (Class A) Club/nonclub portable: Club groups (or nonclub groups with three or more licensed amateurs) set up specifically for Field Day. Such stations must be located in places that are not regular station locations, and must use no facilities installed for permanent station use, nor any structures installed permanently for Field Day use. Stations must be operated under one call sign (except when the Novice/Technician Plus position is used) and under the control of a single licensee or trustee for each entry. All equipment (including antennas)

1998 Field Day Rules (Continued on page 8)

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must lie within a circle whose diameter does not exceed 300 meters (1000 feet). All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial mains. Entrants who, for one reason or another, operate a transmitter or receiver from commercial mains for one or more contacts will be listed separately at the end of their class.

4.1.1. Any Class A group whose entry classification is two or more transmitters (non-Novice) may also use one Novice/Technician Plus operating position (Novice bands only) without changing its basic entry classification. For Field Day purposes only, any Canadian Amateur HF licensee, who has been licensed for less than six months prior to Field Day, shall be considered a "Novice" to provide a means for Canadian Field Day Class A stations with two or more transmitters to participate with a "Novice/Technician Plus" operating position. This "Canadian Novice station" is restricted to the US Novice sub-bands and power/mode restrictions. The Novice/Technician Plus station (including antennas) should be set up and operated by Novice and Technician Plus licensees and should use the call sign of one of the Novice/Technician Plus operators.

4.1.2. Any Class A group whose entry classification is two or more transmitters may also use one station that operates exclusively on any band or combination of bands above 50 MHz (VHF/UHF bands) without changing its basic entry classification. This station may be operated for the entire Field Day period, and all contacts count for QSO points credit.

4.2. (Class A-Battery) Club/nonclub portable: Club groups (or non club groups with three or more licensed amateurs) set up specifically for Field Day and all contacts are made using an output power of 5 W or less and the power source is other than commercial mains or motor-driven generator (eg, batteries, solar cells, water-driven generators). Other provisions are the same as for class A.

4.3. (Class B) One- or two-person portable: Nonclub stations set up and operated by not more than two licensed amateurs will be placed in Class B. Other provisions are the same as for Class A. One- and two-person Class B entries will be listed separately in the results.

4.4. (Class B-Battery) One- or two-person portable: Nonclub stations

1998 Field Day Rules (Continued on page 9)

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set up and operated by not more than two licensed amateurs and all contacts are made using an output power of 5 W or less and the power source is other than commercial mains or motor-driven generator (eg, batteries, solar cells, water-driven generators). Other provisions are the same as for Class A. One- and two-person Class B-Battery entries will be listed separately in the results.

4.5. (Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner, including antenna. This includes marine and aeronautical mobiles.

4.6. (Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. Class D stations may count contacts only with Class A, B, C and E Field Day groups for points.

4.7. (Class E) Home stations-emergency power: Same as Class D, but using emergency power for transmitters and receivers. Work stations in Class A, B, C, D and E.

5. **Exchange:** Stations in any ARRL/RAC Section will exchange their Field Day operating class and ARRL/RAC Section. For example, if your club group was planning to operate in the three-transmitter, Class A category from Missouri, you would send "3 A Missouri." Foreign stations send RS(T) and QTH.

6. **Miscellaneous Rules:**

6.1. Operators participating in Field Day may not, from any other station, contact for point credit the Field Day portable station of a group with which they participated.

6.2. A station used to contact one or more Field Day stations may not subsequently be used under any other call during the Field Day period. Family stations are exempted.

6.3. Each phone, each CW, and each digital (non-CW) segment is considered as a separate band. (A station may be worked once on each band.)

6.4. All voice communication contacts are equivalent.

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6.5. Crossband contacts are not allowed.

6.6. The use of more than one transmitter at the same time on a single band is prohibited, except that a Novice/Technician Plus position may operate on any Novice band segment at any time. No repeater contacts.

6.7. Batteries may be charged while in use for Class C entries only. For other classes, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

7. **Scoring:** Scores are based on the total number of valid contact points times the multiplier corresponding to the highest power used at any time during the Field Day period, plus bonus points.

7.1. Phone contacts count one point each.

7.2. CW and digital contacts count two points each.

7.3. Power multipliers:

7.3.1. If all contacts are made using an output power of 5 W or less and if a power source other than commercial mains or motor-driven generator is used (eg, batteries, solar cells, water-driven generators), multiply by 5.

7.3.2. If any or all contacts are made using an output power of 150 W or less, multiply by 2.

7.3.3. If any or all contacts are made using an output power more than 150 watts, multiply by 1.

7.4. Bonus points: The following bonus points will be added to the score (after the multiplier is applied) to determine the final score. Only Class A and B stations are eligible for bonuses. Just check the box on the Field Day summary sheet to indicate that you qualify for the bonus, and attach the necessary proof.

7.4.1. 100% emergency power: 100 points per transmitter for 100% emergency power. All equipment and facilities at the Field Day site must be operated from a source independent of the commercial mains. Example: A club operating 3A, using 100% emergency

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power may claim 300 bonus points.

7.4.2. Public relations:

7.4.2.1. 100 points for media publicity. Publicity must be obtained or a bona fide attempt to obtain publicity must be made. Evidence must be submitted in the form of a newspaper clipping, a memo from a BC/TV station stating that publicity was given or a copy of the material that was sent to the news media for publicity purposes.

7.4.2.2. 100 points for physically locating in a public place (eg shopping center, parks, etc) with significant access by the public. The intent here is for Amateur Radio to be on display to the public.

7.4.2.3. An additional 100 points can be earned by such display stations in public places actively conducting an information booth for the visiting public, and dispensing information handouts, maintaining visitor's log, etc, as an information/recruiting tool for Amateur Radio. Evidence submitted for both (B) and (C) may consist of copies of handouts, visitor's log, brief report on activities conducted, photos, etc.

7.4.3. Message origination: 100 points for origination of a message by the club president or other Field Day leader, addressed to the SM or SEC, stating the club name (or nonclub group), number of operators, field location and number of ARES members participating. The message must be transmitted during the Field Day period, and a fully serviced copy of it must be in standard ARRL message form or no credit will be given.

7.4.4. Message relay: 10 points for each message received and relayed during the Field Day period, up to a maximum of 100 points. Copies of each message, properly serviced, must be included with the Field Day report.

7.4.5. Satellite QSO: 100 points can be earned by completing at least one QSO via satellite during the Field Day period. The repeater provision of Rule 7C is waived for satellite QSOs. A satellite station (one) does not count as an additional transmitter.

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On the summary sheet, show satellite QSOs as a separate "band".

7.4.6. Natural Power: Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum derivatives can earn 100 points. Intuitively, this means an "alternate" energy source of power such as solar, wind, methane or grain alcohol. This includes batteries charged by natural means (not dry cells). The natural-power station counts as an additional transmitter. If you do not wish to change your entry class, take one of your other transmitters off the air while making the natural-power QSOs. A separate list of natural-power QSOs should be enclosed with your entry.

7.4.7. W1AW message: A bonus of 100 points will be earned by copying a special ARRL Field Day bulletin sent over W1AW on its regularly announced frequencies just before and during Field Day. This message can be received directly from W1AW or by any relay method. An accurate copy of the received message should be included in your Field Day report.

8. Reporting: Entries must be postmarked by July 28, 1998. No late entries can be accepted. A complete entry consists of an official ARRL summary sheet (or reasonable facsimile) and a list of stations worked on each band/mode during Field Day, plus bonus proof. The list of stations worked on each band or mode may take the form of official ARRL dupe sheets or an alphanumeric listing of call signs worked per band and mode. This list may be computer-generated. Incomplete or illegible entries will be classified as checklogs. A copy of Field Day logs should be kept by your Field Day group, but should not be sent in unless specifically requested later by ARRL.

9. Other: See rules for All ARRL Contests.

PERSONNELS

Dennis (WX1V) has purchased 500 feet of RG-213 and will be willing to sell off sections to club members at \$0.35 per foot.

Selected Maine Section Bulletins

MEB014 - Maine Bulletin #014

March 16, 1998

WIJTH ARRL Bulletin Manager, Maine Section

Subject: MS Walk April 19

From: AA1KF, Joe Meehan

Radio operations are needed to help with communications on the MS walk on April 19, 1998. This is a five mile walk and 5 people are needed. The walk will be on the grounds at the Togus VA center and volunteers should meet there at 8:00am.

To volunteer or to obtain more information call Joe at 582-1540
73, AA1KF

MEB 016 - Maine Bulletin #016

March 18, 1998

WIJTH ARRL Bulletin Manager, Maine Section

THE UNION HAMFEST IS BACK

The Pen-Bay ARC is bringing the Clinton hamfest back to Union. The event will be at the Union Fairgrounds. The date is Saturday, July 11,1998.

Admission and other fees have not been decided yet, but they will be affordable. Camping will be available from Friday July 10 at noon till Sunday July 12 at noon. The cost will be \$20.00 for the weekend. Help is needed for this event, so if you can "HELP" at any time please give us a call.

Contact: Gary Domestico, N1ZUQ @549-0983, or Will Chadwick, KD1ZS @785-2739.

More info later.

Selected ARRL Bulletins

SB QST @ ARL \$ARLB019 ARLB019 Major changes in Field Day rules

ZCZC AG19
QST de W1AW
ARRL Bulletin 19 ARLB019
From ARRL Headquarters
Newington CT March 20, 1998
To all radio amateurs

Some new rules go into effect this year for Field Day. The popular summertime operating event takes place each year on the fourth full weekend in June. This year, it will be June 27-28.

A major change this year is the elimination of bonus-point credit for packet and VHF/UHF contacts. Field Day stations no longer will be allowed to count contacts via digipeaters, packet nodes, or similar arrangements. Class 2A and higher Field Day stations still may operate a "free" transmitter exclusively for VHF or UHF operation (ie, above 50 MHz) without changing their basic entry classification, but not for bonus points. "It's better than bonus points, and groups are likely to spend more time on VHF and UHF because of that," predicted ARRL Membership Services Manager Chuck Hutchinson, K8CH. As in the past, crossband and repeater contacts other than via satellite do not count for Field Day credit.

Field Day stations now can earn point credit for digital (ie, non-CW) contacts on each band. The phone, CW, and non-CW digital segments are considered separate "bands" in the Field Day rules. This means, for example, that you now may work the same station for point credit on 40 meters three times: once on SSB, once on CW, and once on RTTY, packet, or one of the 'TOR modes. SSB contacts count one point, and CW and non-CW digital contacts count 2 points apiece, so adding non-CW digital capability presents a real opportunity to rack up substantial additional points. "We're expecting an interesting year because of the digital modes," Hutchinson said.

The complete, official Field Day rules will appear in the May edition of QST. Basic Field Day rules have remained unchanged for several years now. The new rules undoubtedly will generate a flurry of computerized contest logging program revisions as developers scramble to incorporate the changes into their software.

Waterville Area Wireless Association
P.O. Box 1646, Waterville ME 04903
E-mail: RONMAN@MINT.NET

Application for Membership

1. Call Sign: _____

Class: _____

2. Name: _____

3. Address: _____

4. Please Circle Bands and Modes Which You Operate

1.2G	440	220	144	50	28	24
21	18	14	10	7	3.5	1.8
SSB	CW	AM	FM	RTTY	PACKET	TV

5. Mail this application and annual dues of \$10 per individual or \$15 per family to:

Waterville Area Wireless Association
P.O. Box 1646, Waterville, ME 04903

If you have any questions please call Ron on the 146.76 MHz Waterville Repeater or by phone at 873-2071. Meetings are held the first Saturday of each month at the Winslow Recreation Hall behind the Fire Station on Benton Ave. in Winslow. If the first Saturday is a holiday weekend, the meeting may be postponed a week. Check before traveling in poor weather.

WAWA also holds an on-the-air meeting at 7:30 every Wednesday night on the 146.76 MHz repeater. Hope to hear you in there.

73s WAWA

WAWA Newsletter
PO Box 1646
Waterville ME 04936

Call Sign
First Name Last Name
Address Line 1
Address Line 2
City State ZIP Code