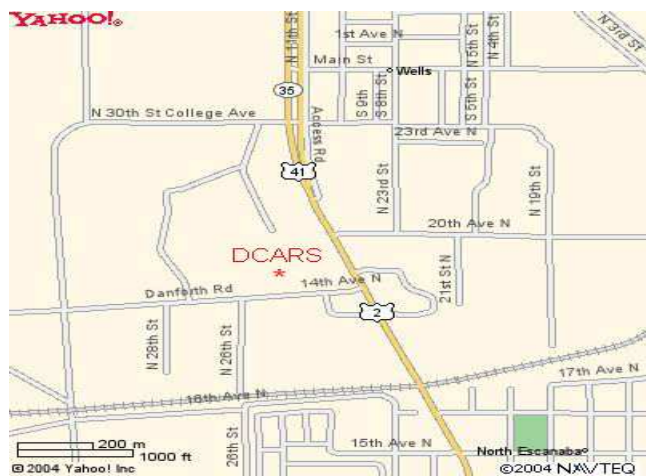


Air Scoop

The monthly Newsletter of the Delta County Amateur Radio Society, Inc. May 2007

Air Scoop Monthly – is the official newsletter for "The Delta County Amateur Radio Society Inc"

The Delta County Amateur Radio Society, will meet on the third Monday, May 21st of this month. Our meeting starts promptly at 7 P.M., at Bay-De-Noc Community College, Room #963. Located in the glassed in area at the Joseph Heirman University Center. You can park in the South Lot off Danforth Road. Just watch for antennas on vehicles.



Project Nights are a great success Monday Nights.

All members and non-hams are invited. Also "Bring your Friends along with you. Note: We have changed locations for project night to the "Old Post Office Building" in downtown Escanaba.

Alan – WD8CSZ and Fred W5TJC will be doing basics on soldering connectors and tracing and checking circuits on boards.

Also discussion on how Resistors and Capacitors work and what they do in a circuit. How they are built and what they actually do in a circuit and what type of power is used for these items to work. Plans are temporary to use this location because of lack of space. Discussion at our next meeting will be discussed to find an area for larger groups. A fun evening, lots of questions and answers along with coffee was just great. C u at the next Project night, same place, same time, 630 P.M. 3re floor of the post office in the radio station offices of WGLQ-FM and others. Thanks Allan and Fred.....73

NOTE: ALL NEWSLETTERS ARE UPLOADED MONTHLY TO OUR WEBSITE – BY OUR NEWSLETTER EDITOR ON OR ABOUT THE FIRST WEEK PRIOR TO MONTHLY MEETINGS HELD ON THE 3RD MONDAY OF EACH MONTH YEARLY UNLESS A SPECIAL MEETING IS CALLED BY OUR PRESIDENT – DAVE – N8DP

DCARS – WWW.DCARS.ORG
Joe Thompson – Webmaster

LOCAL REPEATERS

147.150 + off the air
145.130 – Escanaba
147.240 + Gladstone
IRLP – simplex link 147.550 tone 107.2
146.700 – Cooks, MI
147.030 + Trenary, MI
APRS DIGI 144.390

2007 DCARS – OFFICERS

President - Dave Palmgren – N8DP
V. President - Tony Marietta – KC8NUR
Treasurer - Rich Thompson – N8OYR
Secretary - Joe Thompson – W8JRT
Newsletter Editor - Les Elder – WA8LE
Club Librarian - Tony Marietta - KC8NUR
HamFest Chairman – Richard Thompson – N8OYR

Future Testing Schedule – Upper Peninsula

14-July-2007

Sponsor: DELTA COUNTY ARS
Time: 9:00 AM (Walk-ins allowed)
Contact: LYSLE L ELDER
(906)789-1543

Email: HAMBONE@UPLOGON.COM

VEC: ARRLVEC

Location: BAY DE NOC COMM COLLEGE-ROOM 402E,
HEALTH & APPLIED SCIENCES BLDG
FROM US2-TURN W TO DANFORTH RD -
PARKING LOT "D"

Watch for vehicles with antennas
ESCANABA, MI 49829

13-Aug-2007

Sponsor: HARC/CCRAA
Time: 8:30 AM (Walk-ins allowed)
Contact: GEORGE R THURNER

(906)337-2542

Email: W8FWG@ARRL.NET

VEC: ARRL/VEC

Location: MICHIGAN TECH UNIVERSITY-US HWY 41
WADSWORTH RESIDENCE HALL - OPPOSITE CAMPUS
RADIO WMTU ROOM NUMBER G04W
HOUGHTON, MI 49931

DCARS Monthly Meeting Minutes **April 16th 2007**

DCARS Meeting Minutes
April 16th, 2007

Attendance:

Duane, K8AO, Dave, N8DP, John, WD8RTH, Lowell, KA8RPB, Howard, W8HSJ, Natalie, KD8FWN, Joe, W8JRT, Rich, N8OYR, Les, WA8LE, Mike, KD8DKA, Don, K8GMW, Walt, K8WLT, Ken, KD8DKC, Rob, KD8FWJ, Mike, KD8DVN, Kenny, KD8DVO, Tony, KC8NUR, Steve, KD8BJD.

Meeting opened by Dave, N8DP our President.

Introduction of all present.

Treasury report by Rich, N8OYR.

Motion to accept by John, WD8RTH and second by Walt, K8WLT.

Correspondence read at meeting.

Old Business:

Tech training went well. 6 completed the training classes and 6 passed the test for Technician and are now licensed. Congratulation to all.

Tower sale to Mark, N8XAH. All present approved of the sale. Dave, N8DP to negotiate the price. Motion by Howard, second by Joe.

QCWA chapter granted. Chapter 219, WIUP Chapter name.

Scout special event in May. N8H special event call sign will be used.

Field Day, See W8JRT to sign up.

Hamfest- Tower electronics can't make it. They have a prior commitment.

Repeater Report:

147.24 close to being on the air. IRLP node now has fan cooling to increase reliability of the link radio. Working great. Use simplex 147.550 with tone 107.2

147.15 has receive problems. Location discussion next meeting.

New Business:

Application for Amateur Radio license plates (your call sign) can be found on the State of Michigan Web Site.

Discussion of amending the DCARS constitution. Howard made a motion to clean up the constitution. Tabled to next meeting. Changes of wording and article changes will be voted on. All changes will be addressed and a vote of membership will be mailed out by ballot For final approval along with the changed amendments.

Last VEC Test Session Report. Four upgraded to General Class last Saturday. \$48.00 to club from the test session to the club to pay back the loan for the headphone purchase.

Dave stepped down as the VEC club liaison; Howard volunteered to take the position. All other positions will remain the same. Next VEC test session is scheduled for August 13th 2007. Notification of a change in location For testing will be noted in advance.

Dave will be the "Fox" on a Fox Hunt set for Saturday, May 12th at 11 AM. Go and find him. He will be on 146.52 simplex somewhere in Delta County. You will not have to cross or go on private property to find him. Sounds like a challenge and lots of fun. Postponed because of Concrete pour for new telegraph office.

WWW.Expresspcb.com has some free software for developing nice circuit diagrams.

Light towers from Spies Field in Menominee for sale. KD8DVN, Mark has details. They would make a nice heavy duty tower.

Motion to close meeting by Tony, second by Rich. Secretary – Joe Thompson W8JRT

Telegraph Building - New Construction Started.

Members of the DCARS – Delta County Amateur Radio Society Inc., broke ground and started a summer project with building of a 18 x 20 ft – building to house, Amateur Radio equipment for "Events at the U.P. State Fair Grounds." Details for a new building for Amateur Radio were worked Out with Skip Dufour, President and members of the U.P. Gas and Steam Engine Association.

Our Club was given the opportunity to build, house and have free access for events in conjunction with "Village" events held during the year. Members Les Elder, Lowell Seeley also members of the Engine Association during monthly meetings worked out the plans for our new project.

Les Elder, Lowell Seeley, Dave Palmgren, Mike and Don Brackenbury, started forming up for the cement slab 1 week prior to the pour 5-12-07. Mark Elder a member of the U.P. Gas and Steam Engine Association donated his new "Montana Tractor" to scrape and prepare the surface for new construction. After the area was cleared and dug down for new sand, Bichler Concrete brought in 30 yards for the slab.

Last week, days were used to start the planer and get 2 x 6s and 1" lumber ready for construction. Members planed, stacked, and sorted lumber needed for our new building. Members, Al Chie, Tony Fudela volunteered there help in

running equipment and expertise from the U.P. Gas and Steam Engine Association during the process.

On Saturday May 12, 2007, U.P. Concrete from Bark River, brought 5 ¾ yards for the pour and the following members participated in pouring with the help and direction of Steve Soderman, Concrete Specialist (member of DCARS) the job went very smooth. Equipment was rented from "Mr. Rental, a compactor, and finishing trowel, to complete the finish on the slab.

Members joining the construction team startup for the week were:

Joe Thompson W8JRT, Dave Palmgren N8DP, Lowell Seeley KA8RPB, Steve Soderman KD8BJD, Mark Hafirsch KD8DVN, Walt Aho K8WLT, Mike Brackenbury KD8DKA, Don Brackenbury K8GMW, Mike LeDuc KD8DKB, Ken LeDuc KD8DKC, Scott Thompson KB8PTF, Rich Thompson N8OYR, Robert Derbise KD9BQX, John Anderson WD8RTH, Les Elder WA8LE. Tony Marietta KC8NUR.

Mr. Joe CiLc, with the U.P. Gas and Engine Association worked with Les WA8LE in designing and getting plans coordinated for our new "Telegraph Building" and ordering steel, trusses, and new steel door.

After a short drying period of a week for the concrete, work will begin on the building. You will be updated as construction proceeds.....Carpenters not working or helpers are urged to call Les or Lowell for days we will be working on the building. Hopefully we will be underway by this weekend if we can locate a framing nailer, compressor and necessary tools.

Les Elder Editor
Project coordinators, Les Elder wa8le, Lowell Seeley ka8rpb
Members of U.P. Steam and Gas Association

SPECIAL EVENTS

Jun 23-Jun 24, 1900Z-1700Z, Woodland, CA. Yolo Amateur Radio Society, W6Y. Boy Scout Radio Daze at Field Day. Skeds via K6KN@arrl.net. 14.290 7.190 IRLP 5750 EL 107315. QSL. Bill Ragsdale, K6KN, PO Box 1500, Woodland, CA 95776. yolobsa.editme.com/W6Y

Jul 26-Jul 29, 1300Z-2100Z, Oshkosh, WI. Fox Cities Amateur Radio Club, W9ZL. EAA AirVenture Special Event Station from Vette Hanger at Pioneer Airport. 14.270 7.250 146.52 146.76-. Certificate. FCARC - Attn: N9YMC, PO Box 5233, Appleton, WI 54912. *Guest operators welcome!* www.fcarc.us

Jul 27-Jul 29, 1800Z-0200Z, St Ignace, MI. Various clubs and organizations, W8M. 50th anniversary of the opening of the Mackinac Straits Bridge. 146.52 14.250 14.070 7.250 7.050 3.850 CW SSB other modes as conditions permit. Certificate. KD8DKU, 8 Southfork St, Marquette, MI 49855. **Jul 27 1800Z-Jul 28 0200Z and Jul 28 1300-Jul 29 0200Z**. QSL and certificate available, \$1 and SASE. www.macbridge50.info

Field Day 2007 Rules – ARRL WEBSITE

[Rules in PDF Format](#) · [Field Day Forms](#)

1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions

may be contacted for credit, but are not eligible to submit entries.

2. Object: To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

3. Date and Time Period: Field Day is **always the fourth full weekend of June**, beginning at 1800 UTC Saturday and ending at 2100 UTC Sunday. **Field Day 2007 will be held June 23-24, 2007.**

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No Class A or B station may begin their set-up earlier than 1800 UTC on the Friday preceding the Field Day period.

4. Entry Categories: Field Day entries are classified according to the maximum number of *simultaneously* transmitted signals, followed by a designator indicating the nature of their individual or group participation. Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters may be used simultaneously in determining your entry category. Switching and simulcasting devices are prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**

4.1. (Class A) Club / non-club portable: Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.

4.1.1. Get-On-The-Air (GOTA) Station. Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional HF station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station.

4.1.1.1. This station **must use** a different callsign from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. **The GOTA station uses the same exchange as its parent.**

4.1.1.2. The GOTA station may be operated by Novice, Technicians or generally inactive hams under their existing operating privileges, or under the direction of a Control Operator with appropriate privileges, as necessary. Non-

licensed persons may participate under the direct supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.

4.1.1.3. As per FCC rules, this station must have a valid control operator present if operating beyond the license privileges of the participant using the station.

4.1.1.4. The maximum transmitter output power for the GOTA station shall be **150 watts**. If the primary Field Day group is claiming the QRP multiplier level of 5, the maximum transmitter output power of the GOTA station may not exceed 5 watts.

4.1.1.5. A maximum of 500 QSOs made by this station may be claimed for credit by its primary Field Day operation. In addition, bonus points may be earned by this station under rule 7.3.13.

4.1.1.6. The GOTA station may only operate on the **Field Day HF Bands**. Only one transmitted signal is allowed from the GOTA station at any time.

4.1.1.7. The GOTA station does not affect the additional VHF/UHF station provided for under Field Day Rule 4.1.2. for Class A stations.

4.1.1.8. Participants are reminded that non-licensed participants working under the direction of a valid control operator may only communicate with other W/VE stations or with stations in countries with which the US has entered a third-party agreement.

4.1.1.9. The GOTA station does not qualify as an additional transmitter when determining the number of transmitters eligible for the 100-point emergency power bonus under Rule 7.3.1.

4.1.2. **Extra VHF Station:** Any Class A entry whose category is two or more transmitters may also operate **one additional transmitter** if it operates exclusively on any bands or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the clubs Field Day period and all contacts count for QSO credit. It is operated using the primary callsign of the Field Day group.

4.2. (Class A - Battery) Club / non-club portable: Club or non-club group of three or more persons set up specifically for Field Day. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A. Class AB is eligible for a GOTA station if GOTA requirements are met.

4.3. (Class B) One or two person portable: A Field Day station set up and operated by no more than two persons. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B entries will be listed separately.

4.4. (Class B - Battery) One or two person portable: A Field Day station set up and operated by no more than two persons. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial mains or motor-driven generator. Other provisions

are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B - Battery entries will be listed separately.

4.5. (Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a car battery or alternator, it qualifies for emergency power but does not qualify for the multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system.

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

4.7. (Class E) Home stations - Emergency power: Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.

4.8. (Class F) Emergency Operations Centers (EOC): An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a GOTA and free VHF station at Class 2F and above.

4.8.1. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility established by:

- a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or,
- b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement;
- c) A private company EOC does not qualify for Class F status unless approved.

4.8.2. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated.

4.8.3. Other provisions not covered are the same as Class A.

4.8.4. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site.

4.8.4.1. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

5. Exchange: Stations in ARRL / RAC sections will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter class A station in Connecticut which also has a GOTA station and the extra VHF station would send "3A CT" on CW or "3 Alpha Connecticut" on Phone. DX stations send operating class and the term DX (i.e. 2A DX).

6. Miscellaneous Rules

6.1. A person may not contact for QSO credit any station from which they also participate.

6.2. A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day. Family stations are exempt provided the subsequent callsign used is issued to and used by a different family member.

6.3. Phone, CW and Digital (non-CW) modes on a band are considered as separate bands. A station may be worked only once per band under this rule.

- 6.4. All voice contacts are equivalent.
- 6.5. All non-CW digital contacts are equivalent.
- 6.6. Cross-band contacts are not permitted (Satellite QSOs cross-band contacts are exempted).
- 6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited. Exception: a dedicated GOTA station may operate as prescribed in Rule 4.1.
- 6.8. No repeater contacts are allowed.
- 6.9. Batteries may be charged while in use. Except for Class D stations, the batteries must be charged from a power source other than commercial power mains. To claim the power multiplier of five, the batteries must be charged from something other than a motor driven generator or commercial mains.
- 6.10. All stations for a single entry must be operated under one callsign, except when a dedicated GOTA station is operated as provided under Field Day Rule 4.1.1, it uses a single, separate callsign.

7. Scoring: Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

7.1. QSO Points

- 7.1.1. Phone contacts count one point each.
- 7.1.2. CW contacts count two points each.
- 7.1.3. Digital contacts count two points each.

7.2. Power multipliers: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

7.2.1. If all contacts are made using a power of 5 Watts or less **and** if a power source other than commercial mains or motor-driven generator is used (batteries, solar cells, water-driven generator), the power multiplier is 5 (five).

7.2.2. If all contacts are made using a power of 5 Watts or less, but the power source is from a commercial main or from a motor-driven generator, the power multiplier is 2. If batteries are charged during the Field Day period using commercial mains or a motor-driven generator the power multiplier is 2 (two).

7.2.3. If any or all contacts are made using an output power up to 150 Watts or less, the power multiplier is 2 (two).

7.2.4. If any or all contacts are made using an output power greater than 150 Watts, the power multiplier is 1 (one).

7.2.5. The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event. (Example: a group has one QRP station running 3 Watts and a second station running 100 Watts, the power multiplier of 2 applies to all contacts made by the entire operation).

7.3. Bonus Points: All stations are eligible for certain bonus points, depending on their entry class. The following bonus points will be added to the score, after the multiplier is applied, to determine the final Field Day score. Bonus points will be applied only when the claim is made on the summary sheet and any proof required accompanies the entry or is received via email or normal mail delivery.

7.3.1. 100% Emergency Power: 100 points per transmitter classification if all contacts are made only using an emergency power source (**maximum 2,000 points.**) **Free transmitters do not count towards the group's total. GOTA station and free VHF Station for Class A and F entries do not qualify for bonus point credit.** All transmitting equipment at the site must operate from a power source completely independent of the commercial power mains to qualify. (Example: a club operating

3 transmitters plus a GOTA station and using 100% emergency power receives 300 bonus points.) **Available to Classes A, B, C, E, and F.**

7.3.2. Media Publicity: 100 bonus points may be earned for attempting to obtain publicity from the local media. A copy of the press release, or a copy of the actual media publicity received (newspaper article, etc) must be submitted to claim the points. **Available to all Classes.**

7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (i.e. shopping center, park, school campus, etc). The intent is for amateur radio to be on display to the public. **Available to Classes A, B and F.**

7.3.4. Public Information Table: 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. A copy of a visitor's log, copies of club handouts or photos is sufficient evidence for claiming this bonus. **Available to Classes A, B and F.**

7.3.5. Message Origination to Section Manager: 100 bonus points for origination of a National Traffic System (NTS) style formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a fully serviced copy of it must be included in your submission, in standard ARRL NTS format, or no credit will be given. **The Section Manager message is separate from the messages handled in Rule 7.3.6. and may not be claimed for bonus points under that rule. Available to all Classes.**

7.3.6. Message Handling: 10 points for each formal NTS style originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). Properly serviced copies of each message must be included with the Field Day report. **The message to the ARRL SM or SEC under Rule 7.3.6. does not be count towards the total of 10 for this bonus. Available to all Classes. All NTS messages claimed for bonus points must leave or enter the site via amateur radio RF.**

7.3.7. Satellite QSO: 100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period. "General Rules for All ARRL Contests" (Rule 3.7.2.), (the no-repeater QSO stipulation) is waived for satellite QSOs. Groups are allowed one dedicated satellite transmitter station without increasing their entry category. Satellite QSOs also count for regular QSO credit. Show them listed separately on the summary sheet as a separate "band." You do not receive an additional bonus for contacting different satellites, though the additional QSOs may be counted for QSO credit unless prohibited under Rule 7.3.7.1. The QSO must be Earth-Satellite-Earth in nature. **Available to Classes A, B, and F.**

7.3.7.1 Stations are limited to one (1) completed QSO on any single channel FM satellite.

7.3.8. Alternate Power: 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum driven generator. This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural

means (not dry cells). The natural power transmitter counts as an additional transmitter. If you do not wish to increase your operating category, you should take one of your other transmitters off the air while the natural power transmitter is in operation. A separate list of natural power QSOs should be submitted with your entry. **Available to Classes A, B, E, and F.**

7.3.9. W1AW Bulletin: 100 bonus points for copying the special Field Day bulletin transmitted by W1AW (or K6KPH) during its operating schedule during the Field Day weekend (listed in this rules announcement). An accurate copy of the message is required to be included in your Field Day submission. (Note: The Field Day bulletin must be copied via amateur radio. It will not be included in Internet bulletins sent out from Headquarters and will not be posted to Internet BBS sites.) **Available to all Classes.**

7.3.10. Non-Traditional Mode Demonstrations: A maximum of 300 bonus points (100 points for each demonstration up to three) for setting up a demonstration of a non-traditional mode of amateur radio communications. This includes modes such as APRS, ATV, and SSTV. **Available to Classes A, B, and F.**

7.3.10.1. This bonus is not available for demonstration of a mode for which regular QSO credit is available. **PSK31 is not eligible as a demonstration bonus as it is now in wide-spread use and is eligible for regular QSO credit.**

7.3.10.2. A complete portable packet system may be included as one of the demonstration modes. This system must include a temporary, portable node and must be completely separate from the existing packet infrastructure of your area. Simply setting up a packet station does not qualify as a demonstration mode.

7.3.10.3. Demonstration modes must use the amateur radio spectrum at the point of the demonstration.

7.3.10.4. Frequency bands, such as 10 GHz are bands, not modes of communications and do not qualify for the demonstration mode bonus.

7.3.10.5. Each demonstration mode must be different - that is, you can not claim the bonus three times for doing the same demonstration mode repeatedly.

7.3.11. Site Visitation by an elected governmental official: One (1) 100-point bonus may be claimed if your Field Day site is visited by an elected government official as the result of an invitation issued by your group. **Available to all Classes.**

7.3.12. Site Visitation by a representative of an agency: One (1) 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (American Red Cross, Salvation Army, local Emergency Management, law enforcement, etc) as the result of an invitation issued by your group. ARRL officials (SM, SEC, DEC, EC, etc) do not qualify for this bonus. **Available to all Classes.**

7.3.13 . GOTA Bonus. Class A and F stations operating a GOTA station may earn the following bonus points:

7.3.13.1. When a GOTA operator successfully completes 20 QSOs, they receive 20 bonus points. Upon reaching an additional 20 QSOs the same operator receives a second 20 bonus points, up to a maximum of 100 Bonus points per GOTA operator. An operator may make more than 100 QSOs but the QSOs over 100 do not qualify for an additional bonus.

7.3.13.1.1. Additional GOTA operators may earn the GOTA bonus points under this rule, up to the maximum of 500 bonus points. (Remember that there is a 500-QSO limit for the GOTA station. But no single GOTA operator may earn more than 100 of the GOTA bonus points except as provided in 7.3.13.2.

7.3.13.1.2. A single GOTA operator must complete all 20 QSOs required before the bonus is earned. There is no "partial credit" for making only a portion of the 20 QSOs or "pooling" QSOs between operators.

7.3.13.2. If a GOTA station is supervised full-time by a GOTA Coach, the bonus points earned for each 20 QSOs completed under Rule 7.3.13.1 will be doubled.

7.3.13.2.1. The GOTA Coach supervises the operator of the station, doing such things as answering questions and talking them through contacts, but may not make QSOs or perform logging functions.

7.3.13.2.2. To qualify for this bonus, there must be a designated GOTA Coach present and supervising the GOTA station at all times it is being operated.

7.3.14. Web submission. A 50-point bonus may be claimed by a group submitting their Field Day entry via the www.b4h.net/cabforms web site. **Available to all Classes.**

7.3.15. Field Day Youth Participation.

7.3.15.1. A 20-point bonus (maximum of 100) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO.

7.3.15.2. For a 1-person Class B station, a 20-point bonus is earned if the operator is age 18 or younger. For a 2-person Class B station, a 20-point bonus is earned for each operator age 18 or younger (maximum of 40 points.) Keep in mind that Class B is only a 1 or 2 person operation. This bonus does not allow the total number of participants in Class B to exceed 1 or 2.

8. Reporting:

8.1. Entries may be submitted to the ARRL in one of three ways:

8.1.1. Via Field Day Web Submission Applet site at www.b4h.net/cabforms/;

8.1.2. Via email to fieldday@arrl.org; or

8.1.3. Via land postal or delivery service to Field Day Entries, 225 Main St, Newington, CT 06111.

8.2. Entries must be postmarked, emailed or submitted by July 24,

2007. Late entries cannot be accepted.

8.3. A complete Field Day Web Applet Submission site entry consists of:

8.3.1. An official ARRL summary sheet which is completed on the site;

8.3.2. Supporting information must be emailed to fieldday@arrl.org or submitted by land service. Supporting information must include:

8.3.2.1. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.3.2.2. Proof of all bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.4. A complete non-applet email submission consists of:

- 8.4.1. An electronic copy of an ARRL summary sheet completely and accurately filled out;
- 8.4.2. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and
- 8.4.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).
- 8.5. A complete land postal or delivery non-electronic submission consists of:
- 8.5.1. A complete and accurate ARRL summary sheet;
- 8.5.2. An accompanying list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and
- 8.5.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.6. Complete station logs are not required for submission. The club should maintain log files for one year in case they are requested by ARRL HQ.

8.7. Cabrillo format log files are not required for Field Day entries. They will be accepted in lieu of the dupe sheets but do not substitute for a summary sheet.

- 8.8. Digital images of proof of bonus points are acceptable.
- 8.9. Electronic submissions are considered signed when submitted.

9. Miscellaneous:

- 9.1. The schedule of bulletin times for W1AW is included in this announcement. While W1AW does not have regular bulletins on weekends, the Field Day message will be sent according to the schedule included with this announcement. The W1AW bulletins will be transmitted on the regular W1AW frequencies listed in QST. The PSK31 bulletin will be transmitted on the W1AW teleprinter frequencies.
- 9.1.2. The special Field Day bulletin will be transmitted from station K6KPH on the West Coast as included in the bulletin schedule.
- 9.2. See "General Rules for All ARRL Contests," "General Rules for All ARRL Contests on Bands Below 30 MHz," and "General Rules for All ARRL Contests on Bands Above 50 MHz" for additional rules (www.arrl.org/contests/forms) that may cover situations not covered in these Field Day rules.
- 9.3. Remember that the national simplex FM calling frequency of 146.52 MHz should not be used for making Field Day contacts.
- 9.4. The complete Field Day information package may be obtained by:
- 9.4.1. Sending a SASE with 5 units of postage to: Field Day Information Package, ARRL, 225 Main St., Newington, CT 06111; or
- 9.4.2. By downloading from the Contest Branch home page at: www.arrl.org/contests/forms
- 9.5. For more Field Day information/questions contact: fdinfo@arrl.org or phone (860) 594-0236.

NEW CALL SIGNS ISSUED BY ARRL – TESTING AT ESCANABA, MI – DELTA COUNTY AMATEUR RADIO SOCIETY APRIL 18TH 2007

Racine, Michael C, KD8FWI (Technician)
 8547 County 509 Y Rd
 Rapid River, MI 49878
Licensee ID: L01267806
FRN: 0016330086
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017)

Johnson, Robert H, KD8FWJ (Technician)
 828N E Gulliver Lake Rd
 Gulliver, MI 49840
Licensee ID: L01269334
FRN: 0016359531
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017
Date of last Change: Apr 16, 2007 (New Systematic Call Sign Assigned)

Augustyn, Terry, KD8FWK (Technician)
 N2131 Coaster Rd
 Trenary, MI 49891
Licensee ID: L01269335
FRN: 0016359549
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017
Date of last Change: Apr 16, 2007 (New Systematic Call Sign Assigned)

Swanson, Alfred W, KD8FWL (Technician)
 PO BOX 73
 Garden, MI 49835
Licensee ID: L01269337
FRN: 0016359556
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017
Date of last Change: Apr 16, 2007 (New Systematic Call Sign Assigned)

Swanson, Zandra M, KD8FWM (Technician)
 PO BOX 73
 Garden, MI 49835
Licensee ID: L01269338
FRN: 0016359564
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017
Date of last Change: Apr 16, 2007 (New Systematic Call Sign Assigned)

Thompson, Natalie K, K8NKT (Technician) Vanity Call
 602 Montana Ave
 Gladstone, MI 49837
Licensee ID: L01269339
FRN: 0016359572
Issue Date: Apr 16, 2007
Expire Date: Apr 16, 2017
Date of last Change: Apr 16, 2007

CC: DAVE N8DP, RICH N8OYR, TONY KC8NUR, JOE W8JRT, LES WA8LE, EDITOR

For Sale Items – Local

Paul Heirox, has some towers, and other equipment for sale Related to Ham Radio.....He can be reached At his cell: 399-1860 or home at 789-1926.

For Sale

Swan 500 with AC & DC Power supplies
 Trapped vertical antenna 10 thru 40 meters
 Orville Jensen - W8KBH
 789-7442

President's Message

I sit here pondering what to write about, It's not that I don't have anything to say. No it's just the opposite, we have so many things happening and I don't know where to start. Dayton is this weekend, The Scouting jamboree is also this weekend (Hope to see you at the fairgrounds) We have just poured the floor for our Telegraph Office and that is under way. I just got back from a great two week vacation in Las Vegas and San Francisco. Project nights have had a great turn out. (Thank you goes to AI WD8CSZ for his efforts) The IRLP node continues to perform well and is getting use. The 24 repeater is also up and running. Our newest hams have received their licenses and are starting to get on the air. I've been making contacts through the OSCAR satellites with my handheld. Field day is only a month away, The Hamfest is only two months away. Changes to our club constitution will be looked into at the club meeting. I guess the best way to find out the details on what is happening is to come to the meeting.

73
Dave - N8DP

QST de W8FWG

The Calumet Repeater [147.315 MHz] (K8MDH/R) has been modified and a new repeater added, the Motorola MSR-2000. On this date (Tuesday, May 8, 2007), the PL tone was changed back to 100.0 Hz. In the future, if no interference is experienced, we may take the PL tone off altogether, but you will be notified if and when that takes place. Please bear with us, while these important changes are being made. PLEASE PROGRAM 100.0 HZ. IN TO YOUR RADIO(S) TO BE SURE YOU CAN ACCESS IT. THIS IS A PERMANENT CHANGE. (The PL is ONLY on the RECEIVE side at this time)

73,
George Turner, W8FWG, Sec.-Treas. KCRA

**D.C.A.R.S.
DELTA COUNTY AMATEUR RADIO
C/o Richard Thompson - Treasurer
9560 Chaison – N. Road
Gladstone, Mi.
49837**

Stamp

Place Label Here