

# Alliance Amateur Radio Club

Affiliated with the "American Radio Relay League"



# ZERO BEAT

**ZEROBEAT:** The art of tuning that ensures that all parties are on the same frequency.

VOLUME 5 ISSUE 6 JUNE 1992

## AARC Fundraiser Set For Saturday, June 13th

The No. 1 money maker for 1992 has been slated and it's just around the corner.

If you haven't cleaned out your attic, that old junk closet; if you have been meaning to lug that old boat anchor to the junk yard, wait a second.

We have a deal for you. Bring it on over to Dave Buckwalter's house and save yourself a trip.

If you have something that you would like to donate to the money-making cause for the radio club--maybe it's a lava lamp or an

old radio or tire jack, or a rug, give it to the club and let's try to make some money.

Every year Dave's allotment has a big community garage sale. This year, it's slated for Sat., June 13 from 8 a.m. to 4 p.m.

The whole neighborhood will be selling, it will be publicized and there will be an army of buyers descending on the place.

So with very little overhead to speak of, this may just be a perfect way of making money.

Continued on page 4

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The next meeting of the Alliance Amateur Radio Club will be Thurs., June 4th at the Alliance Community Hospital, Cafeteria B. Meetings start promptly at 7:30 p.m. Visitors are always welcome.

### REMARKS FROM THE PRESIDENT

Button, button, who's got the button? Well, the Alliance Amateur Radio Club does! We have buttons to sell to try and raise money for the club. Take a handful to a hamfest and see if you can sell them.

### FIELD DAY

Dave KC3CL and Allen WI8T are busy making plans. Don't miss the June meeting. We will be devoting most of the meeting to Field Day.

### NEW EDITOR

John WX8G is taking over the editorship, of Dave KC3CL, until Dan N8LVO gets a printer, etc.! Thanks to Dave, who did a great job on the Zero Beat. Net Manager John is resigning from being net manager and we need someone to take the job. If interested, let John know. 73 for now. See you in June.

Pam Myers N8IAK

# ALLIANCE AMATEUR RADIO CLUB

## OFFICERS:

|                                       |           |
|---------------------------------------|-----------|
| PRESIDENT -- PAM MYERS N8IAK          | 821-5513  |
| VICE PRESIDENT -- LARRY ASHBURN KE8VE | 821-9808  |
| TREASURER -- PATTI HILLIER KE8KH      | 938-6744  |
| SECRETARY -- DANIEL MUTIGLI N8LVO     | 868-6610. |

## TRUSTEES:

|                 |        |          |
|-----------------|--------|----------|
| DAVE BUCKWALTER | KC3CL  | 821-4409 |
| JACK BENNETT    | W8VEN  | 821-9779 |
| JIM WILSON      | KE8GHZ | 492-3754 |

## COMMITTEES:

### FUNDRAISING

MATT THOMAS N8EAD  
FRANK SANOR VA8WHP  
JOHN MYERS WX8G  
DANIEL MUTIGLI N8LVO

### FIELD DAY

DAVE BUCKWALTER KC3CL  
ALLEN DICKS W18T

### CHRISTMAS PARTY

KITTY BUCKWALTER N8LIP  
DANIEL MUTIGLI N8LVO

### MALL SHOW

LARRY ASHBURN KE8VE  
JOHN MYERS WX8G  
DANIEL MUTIGLI N8LVO

### TRI-COUNTY NET

JOHN MYERS WX8G

MEMBER EDITOR

JOHN MYERS WX8G PUBLISHER

Stories may be submitted to the editor in written or electronic form.

Entries should be written double-spaced on white paper, or yellow legal paper, or brown paper bags, or greasy napkins, but never ever to be legible to the reader. They should be post marked to:

Daniel Mutigli N8LVO  
925 E. First St.  
Minerva, Ohio 44657

Electronic methods of transmission are as follows:  
\* VIA landline connect to the CanCom BBS: 477-3080  
2400-N-8-1 send to: Daniel Mutigli. Use E (private) Mail. Then use (F)ile to upload your file.

Uploading methods recognized: XMODEM, YMODEM, KERMIT, ZMODEM, ASCII.

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SURVEY FOR AARC FIELD DAY  
JUNE 27-28, 1992

LOCATION: LEXINGTON ELEMENTARY SCHOOL  
12333 ATWATER AVE. NE  
ALLIANCE, OHIO

FOR THOSE WHO ARE ATTENDING FIELD DAY  
THIS YEAR, PLEASE TAKE THE TIME TO FILL  
OUT THIS FORM AND RETURN IT TO:

ALLEN DICKS, ASST. FD CHAIRMAN  
8870 ALBERTA BEACH ST.  
LOUISVILLE, OHIO 44641  
OR CALL: 875-4344



NAME \_\_\_\_\_ CALL \_\_\_\_\_ PHONE \_\_\_\_\_

HOW MANY ARE COMING: \_\_\_\_\_ I WILL BE THERE (CIRCLE) SAT SUN

WHAT TIME? \_\_\_\_\_ WILL YOU BE CAMPING ON SITE YES NO

WILL YOU BRING A RADIO? YES NO

WILL YOU BE BRINGING YOUR OWN ANTENNA? IF YES, DESCRIBE ITS SPACE  
REQUIREMENTS AND TYPE:

WHAT BAND AND MODE WILL YOU WORK? \_\_\_\_\_

TYPE OF LOGGING? PAPER COMPUTER DO YOU NEED A DUPE? YES NO

IF YOU DON'T HAVE A RADIO, BUT WOULD LIKE TO OPERATE WHAT HOURS COULD  
YOU OPERATE DURING THE EVENT:

SATURDAY: \_\_\_\_\_ SUNDAY: \_\_\_\_\_

WILL YOU BE BRINGING ANY FOOD? WHAT KIND? \_\_\_\_\_

WILL YOU BE BRINGING A GENERATOR? YES NO OUTPUT WATTS \_\_\_\_\_

\*\*\*\*\*  
PLEASE BE PROMPT WITH THIS INFO SO WE CAN BETTER COORDINATE FIELD DAY.  
BRING THIS SHEET TO THE NEXT MEETING, JUNE 4 AT THE HOSPITAL OR SEND  
IT TO ALLEN AS SOON AS POSSIBLE.  
\*\*\*\*\*

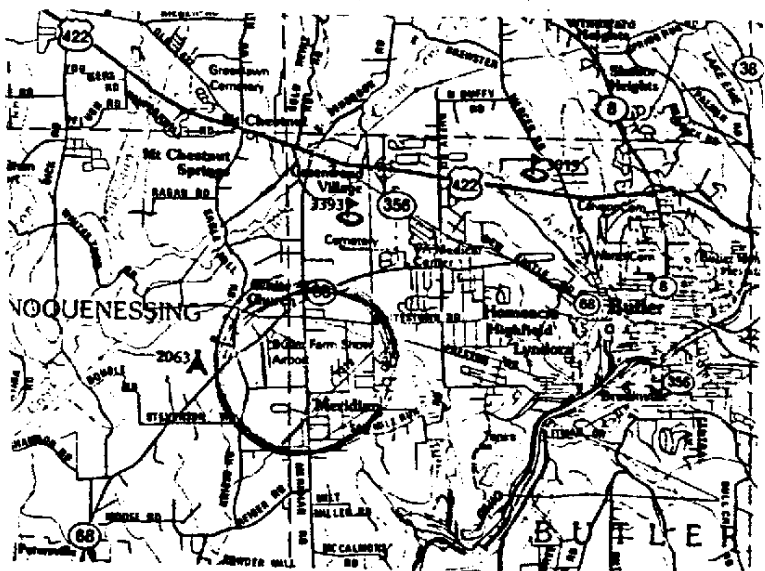
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LOCAL VOLUNTEER EXAMINER TESTING  
-----

| DATE | CLUB  | LOCATION              | TIME  | CONTACT         | TEL      |
|------|-------|-----------------------|-------|-----------------|----------|
| 5-30 | CARC  | STARK COUNTY SHERIFF  | 9 AM  | DICK STELLARINI | 453-5896 |
| 6-13 | NOARS | N. OLMSTED COM. CABIN | 1 PM  | MARY LOU SARAMA | 267-5083 |
| 6-13 | PARC  | RAVENNA               | 10 AM | JOANNE SOLAK    | 274-8240 |
| 6-21 |       | ELYRIA                | ? ?   | OLA SLOANE      | 647-5116 |
| 6-27 |       | NORTON                | ? ?   | MARY WAGNER     | 882-6387 |

LOCAL HAMFEST CALENDAR AND LOCATIONS

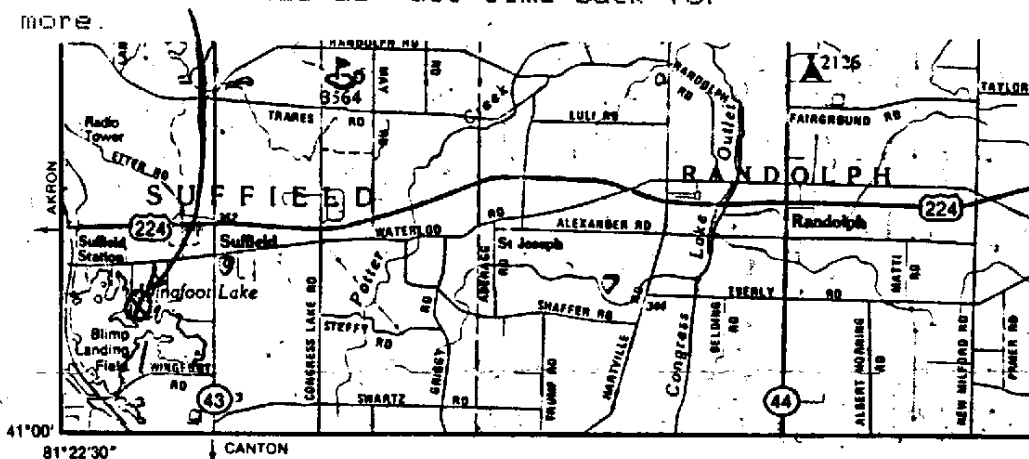
SUNDAY, JUNE 7, 1992

BUTLER (BREEZESHOOTERS) -- 8 a.m. to 4 p.m. Talk-in 147.36 plus; 146.52 Simplex; 28.495. Admission \$1 Directions: take 77 north to 224 east to New Castle, Pa. then east on 422. Just past Mt. Chestnut, turn right on Benbrook-Meridian Road, then right on 68 West. Farm showgrounds will be on the left. Free parking. 12 Prizes and a 386 complete computer system raffle. Six hourly prizes of a Yaesu FT-411. Five hourly prizes of a Uniden HR 2600 10-Meter mobile.



SUNDAY, JUNE 14, 1992

GOODYEAR HAMFEST -- Wingfoot Lake, Akron, Ohio. The usual madcap excitement that makes us all come back for more.



| JUNE  |  |
|-------|--|
| 3     | W6WP/W6ZPJ Qualifying Run (0400Z)              |
| 5-7   | West Gulf Division Convention (Arlington, TX)  |
| 6     | Tennessee State Convention (Knoxville)         |
| 6     | Hudson Division Convention (Teaneck, NJ)       |
| 7     | ARRL Hamfest (Tamaqua, PA)                     |
| 7     | ARRL Hamfest (Butler, PA)                      |
| 7     | ARRL Hamfest (Manassas, VA)                    |
| 7     | ARRL Hamfest (Princeton, IL)                   |
| 10    | W1AW Qualifying Run, 10-40 WPM (0200Z)         |
| 12-14 | Northwestern Division Convention (Seaside, OR) |
| 13-15 | June VHF QSO Party                             |
| 13    | ARRL Hamfest (Winston-Salem, NC)               |
| 13    | ARRL Hamfest (Columbia, MO)                    |
| 14    | ARRL Hamfest (Willow Springs, IL)              |
| 14    | ARRL Hamfest (Erlanger, KY)                    |
| 19-20 | Georgia State Convention (Albany)              |
| 20    | ARRL Hamfest (Cypress, CA)                     |
| 23    | W1AW Qualifying Run (1300Z)                    |
| 27-28 | Field Day                                      |

GARAGE SALE

Continued from page 1

Dave suggests that you bring your stuff in boxes, preferably, no later than Friday or even way before the date. Put it in his garage and have it marked as AARC Garage Sale material.

If you would like to help with the sale, come early. Dave says he has all the tables and chairs he needs and all he really needs HELP.

Let's all pitch in and maybe we can get on the plus side for '92. We have a lot of costly activities like the newsletter, Christmas party and raffle prizes for the mall show. So the more money we take in, the better we can prepare for these other upcoming events.

Dave lives at 12435 Beulah St. on the northwest side of Alliance. Take Beeson west out of town, turn right on Dot, then right on Beulah. Dave's house is catcorner to the stop sign on the end of Dot.

MARK KOONTZ TO APPEAR AT MALL SHOW

Mark Koontz, weekend weatherman for WJW-TV8, will be our guest speaker at the Mall Show this year.

Mr. Koontz will be at the mall on Saturday, Sept. 12 from noon to 2 p.m.

A resident of Canton, Mr. Koontz will talk on the value of ham radio during weather alerts and emergencies.

\*\*\*\*\*  
LATEST CALLSIGNS AS OF MAY 1, 1992

|              | AREA 8 | AREA 3 |
|--------------|--------|--------|
| EXTRA        | AASHF  | WY3Z   |
| ADVANCED     | KF8UK  | KE3CO  |
| TECH/GENERAL | N8TMB  | N3MBO  |
| NOVICE       | KB8NXO | KB3AAS |

\*\*\*\*\*

THIS RENEWAL FORM AND SEND IT TO:

Patti Hillier, Club Treasurer  
18334 Rt. 62  
Beloit, Ohio 44609

NAME \_\_\_\_\_ CALL \_\_\_\_\_ CLASS \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ STATE \_\_\_\_\_

MEMBER OF ARRL? CIRCLE YES NO

CIRCLE APPROPRIATE MEMBERSHIP

|            |      |           |        |
|------------|------|-----------|--------|
| SUSTAINING | FULL | ASSOCIATE | FAMILY |
| \$15       | \$10 | \$5       | \$1    |

(Dues are pro-rated quarterly for new members or those who have not been on the roster for one year.)

|            |              |                 |                    |
|------------|--------------|-----------------|--------------------|
|            | After July 1 | After October 1 | After Jan. 1, 1993 |
| Sustaining | \$11.25      | \$7.50          | \$3.75             |
| Full       | 7.50         | 5.00            | 2.50               |
| Associate  | 3.75         | 2.50            | 1.25               |
| Family     | .75          | .50             | .25                |

LIST OF REMINDERS FOR FIELD DAY  
By ALLEN DICKS WIST

PRIMARY RADIO AND ACCESSORIES

- PRIMARY ANTENNA
- ANTENNA TUNER
- BARREL CONNECTORS
- SLEDGE HAMMER
- EXTENSION CORDS
- GROUND WIRE
- TABLE LAMP
- CLIP BOARDS
- COMPUTER
- SEAT CUSHIONS
- CAMP STOVE
- FOOD DRINK
- DISH PAN FOR WASHING
- PAPER TOWELS
- COATS GLOVES HATS
- TOILETRIES
- MATCHES
- SLEEPING BAG
- GROUND TARP
- PONCHO, CHAIRS, PILLOW

BACKUP RADIO AND ACCESSORIES

- BACKUP ANTENNA
- COAX
- GROUND ROD
- STRING TO TIE ANTENNA
- MULTIPLE OUTLET
- TOOL KIT
- HEADPHONES
- PENCILS
- RULES, DUPE SHEETS, LOG SHEETS
- FLASHLIGHT
- POTS AND PANS
- TABLE SERVICE
- DISH SOAP
- WASH CLOTHS
- CLOTHES
- TOWELS
- PEANUTS
- TENT OR CAMPER
- MEDICINES
- CAMERA, MONEY, BLANKET, FIREWOOD

YMCA STUDENTS UPGRADE

The following students in the YMCA radio club have upgraded:  
Thad Walker, KB8NSH, has upgraded to tech.

Burt Sevier, KB8NMP, has upgraded to tech. His new call is N8TLX.

Bill Hendershot, N8QXT, has upgraded to general.

New novices through the Y are:

Lance Farkus---- KB8NQL

Rich Parsons---- KB8NPX

Theresa Parsons- KB8NPW

\*\*\* CLUB CHALLENGE \*\*\*

The Alliance YMCA Radio Class formally challenges the Alliance Amateur Radio Club to see which club can score the highest number of contacts during Field Day. The loser will have to buy the operators ice-cream cones.

Bill Martiken KF8JD

# Myers Team Wins Fox Hunt

The team of John and Pam Myers WX8G and N8IAK won the AARC foxhunt held May 16 in Alliance. They did it in exciting style as they came within minutes of the 2-hour time limit.

The reason it took so long was that the foxes, Dave Buckwalter KC3CL and his son, David KB8LJN designed a most deceptive cover.

The foxes had hidden themselves under the bridge on Price Street at Walborn Reservoir. There wasn't even a vehicle to spot because Dave's wife, Kitty N8LIP had dropped the pair off:

Armed with the tools of a fox's

W8ZZS were stumped.

"It's gotta be within 100 yards of here," Dan said, pointing to a spot near a church at the corner of Beech and Beechwood. (They were actually 6 and 1/2 miles from the fox and would never close to within 5.

With time running out, Pam and John searched the area to the northwest of Alliance again.

Then came the break of luck. As Dave was calling out on 144.31, he mentioned observing a "red people-powered vehicle." At that same moment Pam and John were at Walborn and

"WE KNEW WE WERE CLOSE. WE MUST HAVE DRIVEN OVER THAT BRIDGE FIVE OR SIX TIMES AND NEVER KNEW HE WAS THERE."

trade, a 2-meter Kenwood 780 all-band rig, a 1/4 wave vertical, an 11-element beam and a battery, the two set to work.

They hung the 11-element beam under the bridge, which freely swung in the wind. Pointing toward Alliance, Dave bounced the signal off the water at the reservoir, effectively spreading the signal.

"We were getting five and six false echoes," said John, "It really made it hard."

Towards the end of the first hour, Dan Nutigli N8LVO and fellow first-time fox hunter Bill Bennett

noticed a red canoe with two people in it.

"We knew we were close," Pam said. "We must have driven over that bridge five or six times and never knew he was there." They decided to take a closer look.

The rest is history. Official time for the winners was 1 hour 46 minutes and 37 driving miles. They used a 4-element Yagi and drove a Chevy S-10.

John and Pam will be the foxes for the next hunt probably sometime in July.

## AARC Takes Ninth for PA QSO Party

The Alliance Amateur Radio Club once again has done well in the PA QSO Party for 1991.

AARC placed ninth for all clubs with a score of 153,022.5. Top scorer for AARC was Dave KC3CL with 92,070 points. There were 17 eligible clubs included.

Participants this year were: Dave Buckwalter KC3CL, David Buckwalter KB8LJN, John Myers WX8G, Allen Dicks W1ST and Daniel Nutigli N8LVO.

First place winners in each county received a certificate. Dave KC3CL and Allen W1ST took first in Lawrence and Indiana counties, respectively. Dave KC3CL also broke the old record for Lawrence County. John WX8G was Alan's partner at Indiana County. Congratulations guys.

# Field Day Rules

1) **Eligibility:** Field Day is open competitively to all amateurs in the ARRL/CRRL Field Organization (plus Yukon and NWT). 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 (except 10 MHz) 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) **Dates:** June 27-28, 1992.

4) **Field Day Period:** From 1800 UTC Saturday until 2100 UTC Sunday. Class A and Class B (see below) stations that do not begin setting up until 1800 UTC Saturday may operate the entire Field Day period of 27 hours. Others must begin their set up no earlier than 1800 UTC Friday, and may operate no more than 24 consecutive hours; i.e., once on-the-air Field Day operation has started, it must end 24 hours from that point.

5) **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 prohibited.

**(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 position is used) and under the control of a single licensee or trustee for each entry. All equipment (including antennas) 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.

Any Class A group whose entry classification is two or more transmitters (non-Novice) may also use one Novice/Technician operating position (Novice bands only) without changing its basic entry classification. For Field Day purposes only, any Canadian amateur 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" operating position. This "Canadian Novice station" is restricted to the US Novice subbands and power/mode restrictions as well as to the restrictions of the operator's license. The Novice/Technician

## Send for Your Field Day Package

Send to ARRL HQ a 9- x 12-inch self-addressed envelope with four units of First-Class US postage or four IRCs for the official Field Day Entry Package. This package includes 1 Publicity Kit, 1 Field Day Summary Sheet, 1 large dupe sheet with instructions and a checklist to ensure that your entry is complete. If you require more dupe sheets, indicate so in your request and affix one additional unit of First-Class postage to your SASE for each two additional dupe sheets requested.

station (including antennas) should be set up and operated by Novice and Technician licensees and should use the call sign of one of the Novice/Technician operators.

**(Class A—Battery) Club/nonclub portable:** Club groups (or nonclub groups with three or more licensed amateurs) set up specifically for Field Day and all contacts are made using an output power of five watts 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.

**(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.

**(Class B—Battery) One- or two-person portable:** Nonclub stations set up and operated by not more than two licensed amateurs and all contacts are made using an output power of five watts 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.

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

**(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.

**(Class E) Home stations—emergency**

**power:** Same as Class D, but using emergency power for transmitters and receivers. Work stations in Classes A, B, C, D and E.

6) **Exchange:** Stations in any ARRL/CRRL Section will exchange their Field Day operating class and ARRL/CRRL Section (see page 8 in any QST). For example, if your club group was planning to operate in the three-transmitter, Class A category from Missouri, you would send "3A Missouri." Foreign stations send RS(T) and QTH.

## 7) Miscellaneous Rules:

A) 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.

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

C) Each phone and each CW segment is considered a separate band. All voice communication contacts are equivalent, and packet/RTTY/ASCII/AMTOR is counted as CW. A station may be worked once on each band. Crossband contacts are not allowed. The use of more than one transmitter at the same time on a single band is prohibited, except that a Novice/Technician position may operate on any Novice band segment at any time. No repeater contacts.

8) **Scoring:** Scores are based on the 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. Phone contacts count one point each, and CW contacts count two points each. **Power multipliers:** 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. If any or all contacts are made using an output power of 150 W or less, multiply by 2. Multiply by 1 if any or all contacts are made using an output power of more than 150 watts. 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.

A) **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.

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 power may claim 300 bonus points.

## 2) Public relations:

A) 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

## W1AW Field Day Bulletin Schedule

In addition to the regular schedule detailed on page 86 of April QST, extra CW bulletins will be run at 1400 UTC (10 AM EDT), and extra phone bulletins at 1500 UTC (11 AM EDT) Saturday and Sunday mornings.

## FIELD DAY from page 7

the news media for publicity purposes.

B) 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.

C) 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 (B) and (C) may consist of copies of handouts, visitor's log, brief report on activities conducted, photos, etc.

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 non-club 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.

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.

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

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

8) Packet Radio: 100 points can be earned by completing at least one QSO on packet radio during the Field Day period. The repeater provision of Rule 7C is waived for packet radio QSOs. A packet station (one) does not count as an additional transmitter. On the summary sheet, show packet radio QSOs as a separate "band."

9) Reporting: Entries must be postmarked by July 28, 1992. 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 the ARRL.

# Logging: Preparation is the Key

By DANIEL MUTIGLI

Paper logging these days is about as useful as horses for transportation.

Still, if you don't have a handy laptop or mainframe, it's still the ol' standby.

Logging is a means to verify your contacts during Field Day. It is a cross reference of all your contacts, basically on what's called a "dupe sheet."

Whenever you make a contact during the contest, you write down the call and time on your master list, then re-write it down again on a larger paper that is alphabetized by call area.

For paper writers,

"THE PACE IS MADDENING AND IT SEEMS LIKE THE CALL YOU ARE CHECKING ON IS ALWAYS ON THE OTHER SIDE OF THE DUPE SHEET."

this becomes a frenzy when you are talking about writing an estimated three to six contacts per minute for 24 hours in a row.

The pace is maddening and it seems like the call you are checking on is always on the other side of the dupe sheet.

Basically it works like this. "Dupers" as I call them, work in pairs with the radio operator. The radio operator hears a call and writes it down on a scratch pad or tells the duper what it is.

The duper then has to check his dupe sheet and see if that call is there. If it is there, then the contact has already been made and the duper says, "Dupe." In a contest, you work each station only once per band.

If the call is not there, then I would say something like, "Go for it," or "Go ahead." Then the operator calls and when he hears the station return his call, he nods his head.

That's the go-ahead signal for a duper to go ahead and list the call on the master list and note the time. Also he must write the call again in the appropriate place on the dupe sheet.

The crunch time is when you have just made a contact, are logging it on the dupe sheet and your radio man says another call. Then it's a quick check of the dupe sheet and the process starts again.

The dupe sheet is

arranged by U.S. call-groups one to zero on the front and back and Canadian and foreign callgroups along a narrow edge of each side. Each U.S. call-group is further broken down from A to Z. If you work N8LVO for instance, you would find the 8 column, then find "L" and write down N8LVO in that space.

Anyway, that's the way I do it. Some people would say, "Hey Dan, why not just work as many stations as you can and sort it out later?"

Well, that's possible, but I've found Field Day to be grueling enough that I just don't want to look at another callsign for a couple of weeks after it's all over with. Besides,

Continued on page 10

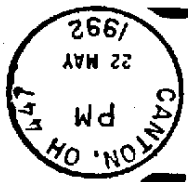


## June 1992

| SUNDAY                                    | MONDAY | TUESDAY | WEDNESDAY   | THURSDAY   | FRIDAY | SATURDAY  |
|---|--------|---------|---|--|--------|---|
|   | 1      | 2       | 3   | 4<br>AARC MEETING<br>7:30 p.m. at<br>Alliance<br>Community<br>Hospital                               | 5      | 6   |
| 7<br>BUTLER HAMFEST                       | 8      | 9       | 10  | 11<br>SAARA MEETING<br>7 p.m. at<br>Red Cross<br><br>TRI-COUNTY INFO<br>NET 9 P.M.<br>N8DZA/R 145.37 | 12     | 13<br>GARAGE SALE AT<br>DAVE'S<br>8 a.m. to 4 p.m.<br><br>LET'S ALL PITCH<br>IN!<br><br>RAVENNA VE<br>EXAMS |
| 14<br>GOODYEAR HAMFEST                    | 15     | 16      | 17<br>CARC MEETING<br>7:30 p.m. at<br>Safety Building | 18<br>TRI-COUNTY INFO<br>NET 9 P.M.<br>N8DZA/R 145.37  | 19     | 20  |
| 21<br>FATHER'S DAY<br><br>ELYRIA VE EXAMS | 22     | 23      | 24  | 25<br>TRI-COUNTY INFO<br>NET 9 P.M.<br>N8DZA/R 145.37  | 26     | 27<br>FIELD DAY at<br>Lexington<br>School<br><br>NORTON VE EXAMS  |
| 28<br>FIELD DAY at<br>Lexington<br>School | 29     | 30      |   |  |        |   |

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#### COMING EDITIONS:

Got an anniversary coming up? Let us know and we will publish it in that month's issue in a full page calendar of events.

Got a neat picture or graphic that you've seen? Send it in! We need all the art we can get.

Interested in our membership? As soon as we tally up the renewals, we should be printing a new roster by the August issue (cross your fingers).

Interested in what's happening in computers? Look for a column on ham radio software reviews and the latest developments in hardware.

Interested in packet radio? Look for the Ohio packet map in an upcoming issue.

That's it fer now. 73 de N8LVO

#### LOGGING Continued from page 8

around Sunday, you will start hitting dupes galore and irritating a whole lot of radio operators if you keep calling them.

The down side is even with this fancy sorting system, your eyeballs feel like they want to fall out after a couple hours of doing the dupes. And it just keeps getting harder, the more contacts you make.

That is why it is a MUST that you arrange to work in PAIRS on a TIME SCHEDULE. I can't emphasize this system enough.

Radio operators who work it alone find it slows the process down to a crawl compared to working in pairs.

Make this year a well-planned Field Day with paired teams on a time schedule and you can easily double or triple last year's score. 73 and Good hunting.