



The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

Volume 26, Number 6

Club Information

2005 FLARC Officers

Frederick Baguhn W9GOC - President
John Steffi K0ZYA - Vice President
Gary Muskat KA9SRM - Secretary
Don Michalski W9IXG - Treasurer

Board Members at Large

Phil Carlson WBOCLI
Steven Elliott W9RAL
Thomas Komsi KC9EUC

CALENDAR OF CLUB EVENTS, etc.

Our club meetings are usually held the third Tuesday of the month at the Red Cross building in Madison, 4860 Sheboygan Avenue. Regular meetings start with the business meeting at 7:30 PM, followed by the program unless otherwise noted. They are subject to change.

Saturday morning “Zilch” locations

The Eastside Zilch (ham breakfasts) are at 7:30 AM at the Green Lantern on the west end of Siggelkow Road in McFarland. The Westside Zilch is at 10:00 AM at Village Green at 7508 Hubbard Ave. in Middleton. See you there.

Madison Area InfoNet

Thursday evenings on 147.15 at 8 PM; 146.76 is the backup frequency. Traffic and check-ins are welcome.

Madison Ham Web Page

Website is at <http://www.gsl.net/flarc>. Keep checking the links page for new goodies!

Meeting dates and programs

June meeting is to be held on June 21, at 7:00 pm.
Program will be at Badger Prairie Park, Field Day preparations.
Space Place Antenna Party - 5 June, 9:00 AM, 1605 S. Park Street.
Field Day is weekend of June 25-26. See Page 11.
July meeting is to be held on July 19, at the Red Cross.
August meeting is to be held on August 16, at the Red Cross.

The Prez Says

Greetings to all!

Thank you to all who participated in the May meeting! Those present had the pleasure of Dave/K9TY's enlightening presentation on the N1MM logging program, and how we can effectively get this software to exchange data with our modern transceivers. N1MM is the logging program we plan to use for Field Day in Badger Prairie Park, (THIS month!!)

[N1MM experts can skip this paragraph.]

A tip for those of you who are having challenges getting N1MM to talk to your radio: (I did, when installing it on a second computer) look at the radio button for 'SO2V' [Single Operator, two VFOs] and make sure it is selected - - also, under the port settings for the radio / comm. port - - there is a drop down list for radio 1, 2, or BOTH - - I've had the greatest success with '1' as the choice. I spent more time than seemed reasonable trying to determine why Ham Radio Deluxe would talk to my radio without problem, yet the same computer/radio/port/cable wouldn't evoke any response using N1MM. Before you warm up the soldering iron and start modifying your interface cable or reloading Windows, look at the radio buttons in the configuration area... ALSO, for those of you who have more than one radio brand to use, be reminded that switching your selection from 'Kenwood' to 'IC-706MkIIG' or 'FT-897' does *not* automatically switch the baud rate and stop bit settings to those used by the radio. Review the port settings, and make sure they match the configuration used by your radio.

Remember, this month's general meeting will be a walk-through at the Field Day site, Badger Prairie Park in Verona. Doug tells me there are still prime operating bands and modes available for the confident operator, and positions for relief

operators are available for those who aren't quite ready to lead the charge on a particular band. We'll plan to be at Badger Prairie Park at 7:00 pm so we have sufficient daylight to see where Doug proposes we site the various stations. Please remember to bring your mosquito repellent - - we've had some damp weather, and the little critters may be hungry.

Upcoming events:

- VE session at Space Place on Saturday, 4 June, 8:00 AM, 1605 S. Park Street.
- Space Place Antenna Party - 5 June, 9:00 AM, 1605 S. Park Street.
- Field Day, Badger Prairie Park - Verona, 25-26 June, [Doug or Steve will have directions elsewhere in The Feedline.]

Looking forward to seeing you at the meeting AT BADGER PRAIRIE PARK - -

73, Frederick

FLARC Treasurer's Report

From the May 17th meeting.

Balance in the treasury is \$4,275.45.

There are 102 members.

Don, W9IXG

Madison DX Club Scholar

Please meet Sarah Elizabeth Baguhn, KC9CBT, the first recipient of the Madison DX Club Scholarship!



Sarah Elizabeth holds a General Class License (now Extra Class, congrats), is a junior (Class of '07) at UW Madison and is a special education

major. Her activities are many. This photo is from her freshman year with the UW Band.

We at the DX Club congratulate her and wish her every success with her career.

Gari - NG9V
President MDXC

From your fellow amateur radio operators at FLARC, we congratulate you and send our best wishes!

NEBRASKA BILL WOULD EFFECTIVELY PROHIBIT BPL

Nebraska's unicameral legislature has passed a bill supported by telecommunications interests to ban "agencies, political subdivisions and public power suppliers" from providing any broadband, internet, telecommunications or video services. This would include broadband over power line (BPL). The "Unicam," as it's called, approved the measure, LB 645, by a vote of 37-8-4.

"So it's time for rejoicing, ARRL Nebraska State Government Liaison Bob Mitchell, WBORJJ," said. "BPL is dead in Nebraska for this year!"

ARRL Nebraska Section Manager Matthew Anderson, KA0BOJ, hailed the bill's passage as "great news." He also extended congratulations to the Nebraska Section team for its work in securing passage for the measure. "All of our contacts, letters, e-mails, phone calls and personal visits have paid off," he said. "This is indeed a great day for ham radio in Nebraska."

Mitchell said even if LB 645 is overturned next year, he believes BPL by then "will have been superseded by superior technology that will not pollute the RF environment." The measure now goes to Gov David Heineman for his signature. Mitchell said it's unlikely that the governor would veto the bill.

The legislation also creates a Broadband Services Task Force to study—among other things--"The need and necessity for the provision of wholesale broadband services, Internet services, telecommunications services or video services by

agencies or political subdivisions of the state and public power suppliers." The task force will report to the legislature, the governor and the Unicam's Natural Resources and Transportation and Telecommunications committees by December 1, 2006.

The "final reading" text of the bill is available via the Unicam's Web site
<<http://www.unicam.state.ne.us/>>.

BPL Information

TEXAS BPL INITIATIVE DEAD; ANTENNA BILL EXEMPTS AMATEUR RADIO (from ARRL Letter)

Despite some eleventh-hour political wrangling, Texas legislation that would have encouraged the deployment of BPL by electric utilities has failed to pass. After the original measure, Texas Senate Bill 1748, got stalled in the Texas House of Representatives, its language was grafted onto two other bills in an effort to ease it through the legislative session that wrapped up May 31. The various measures died when House and Senate leaders were unable to resolve their differing versions. Meanwhile, wording to exempt Amateur Radio has been restored to a potentially restrictive antenna bill, HB 843. North Texas ARRL Section Manager Tom Blackwell, N5GAR, says time simply ran out for the supporters of the BPL measure, which was to have served as a model for bills in other states.

"The Texas BPL bill is dead," Blackwell commented on his Texas BPL Web site <<http://www.n5gar.info/>>. "The winners are the Texas Constitution and the people of Texas, who have imposed strict time limits on actions by the Texas Legislature." By law, legislative sessions run 140 days.

A collateral benefit of the legislative battle, Blackwell says, is that the BPL bill motivated people not normally engaged in the political process to get involved--some for the first time. Many members of the Amateur Radio community in the Lone Star State contacted their lawmakers to voice their opposition to the original bill and its various successors, he said.

"Potential investors in BPL should be reminded that because of the conduct of the lobbyists they hired and the elected officials they influenced, we were energized," he said. "Because of them we are now better organized and prepared to address interference complaints to the FCC and respond to any other attempt to effectively convert any of our amateur bands to commercial use."

Blackwell suggests it's not too soon to start thinking about the 2007 legislative session. "We expect to see the same kinds of bills filed again," he said.

Blackwell, Bill Lawless, W5WRL (now West Texas SM-elect), Gene Preston, K5GP, and Skip Cameron, W5GAI, testified in opposition to the original BPL bill--SB 1748--while it was under consideration by the House Regulated Industries Committee. Blackwell says a representative of the Texas Coalition of Cities for Utility Issues who also testified against the measure called it unconstitutional.

Radio amateurs in Texas also contacted their lawmakers regarding antenna-related legislation--HB 843--giving certain Texas counties the authority to regulate "communication facility structures." The House version included an exemption for Amateur Radio antenna support structures, but the Senate version stripped that provision. South Texas State Government Liaison Jim Robinson, K5PNV, said, however, that he got assurances from House and Senate sponsors of the bill that the language would be reinstated when the measure went to conference.

The bill now includes wording exempting "a communications antenna, antenna facility, or antenna tower or support structure located in a residential area that is used by an Amateur Radio operator exclusively for Amateur Radio communications or public safety services."

"Looks like our work is done, insofar as the 79th Legislature is concerned," Robinson told ARRL West Gulf Director Coy Day, N5OK, and Texas ARRL section leadership this week. "Thanks to all of you for the excellent job you collectively did in getting contacts made with key legislators. This reflects a great team effort."

Hams Encouraged by NEW Motorola BPL Technology

Newington, Conn., May 23, 2005 --ARRL, the national association for Amateur Radio, announced today that "The ARRL is pleased to hear Motorola's announcement of its Powerline LV system. This is the first Access Broadband over Power Line (BPL) system that has been designed from the start with radio interference concerns in mind."

Motorola's Powerline LV system avoids using the medium-voltage (MV) power lines and introduces broadband signals only on the low-voltage (LV) side of the power transformer. This greatly reduces the potential for interference to and from radio users, especially radio amateurs. ARRL Chief Executive Officer David Sumner commented, "We know that medium-voltage (MV) power lines are no place for broadband energy, since there is overwhelming technical evidence that radio interference from BPL is unavoidable if MV lines are used. By confining their Access BPL system to LV lines and by adding hardware notch filters for additional protection to amateur radio frequency allocations, Motorola has addressed our interference concerns."

While sometimes pictured by BPL proponents as opposing all BPL implementation, the ARRL has always maintained that radio amateur "hams" are not interested in blocking new technology but are justifiably concerned about pollution of the radio spectrum. Significant interference has been documented at numerous sites where other BPL systems are being tested, and other BPL developers have been unwilling to share information about their systems. By contrast, Motorola invited ARRL's suggestions and welcomed its input during product development.

Sumner concluded, "We look forward to seeing the first Powerline LV system in operation, and to continuing to work with Motorola to ensure that their new product is indeed the first BPL system that is a solution, not a problem."

There are approximately 670,000 Amateur Radio operators in the United States. Many other countries are watching events unfold in the US as

they plan their own BPL systems. There are approximately 2.5 million Amateur Radio operators around the world. If the new Motorola system lives up to its initial promise in actual deployment, this new "shortwave-friendly" system will have many advocates.

Information about Amateur Radio is available from the ARRL, the national association for Amateur Radio, 225 Main Street Newington, CT 06111 or by calling 1-800-32-NEW HAM. The URL for ARRL's home page is www.arrl.org.

Information about Motorola's "Powerline LV" system can be found at: http://www.motorola.com/mediacenter/news/detailpf/0,,5519_5509_23,00.html

(Information forward by ARRL Public Relations)

The Big Project Update

The Big Project has received the HF antenna, and continues to make plans for the installation of both the HF and VHF/UHF antennas at the school.

Don, W9IXG, has been in contact with a ham interested in the Iyama antenna and tower. Updates will be forthcoming once an on-site review by the ham can be made.

Remember, each month, updates on The Big Project can be found in this section of *The Feedline*.

W1AW 2005 Spring/Summer Operating Schedule

Congratulations once again to everyone who passed the technician exam and got your new amateur radio license. Now that the first step has been completed, you are probably thinking about the General test, and of course, the Morse code. And that is great, because the ARRL has a regular schedule for you so you can learn to copy and translate Morse code better.

The ARRL has a regular schedule of transmissions which are used to bring information and training to amateur radio operators, and below is the summer schedule for 2005.

From ARRL Headquarters, ARRL Bulletin 11
Newington CT April 4, 2005
W1AW 2005 Spring/Summer Operating Schedule

Morning Schedule:

Time	Mode	Days
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1300 UTC (9 AM ET)	CWs	Wed, Fri
1300 UTC (9 AM ET)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1400 UTC to 1600 UTC - (10 AM to 12 PM ET)
1700 UTC to 1945 UTC - (1 PM to 3:45 PM ET)
(Station closed 1600 to 1700 UTC (12 PM to 1 PM ET))

Afternoon/Evening Schedule:

2000 UTC (4 PM ET)	CWf	Mon, Wed, Fri
2000 " "	CWs	Tue, Thu
2100 " (5 PM ET)	CWb	Daily
2200 " (6 PM ET)	RTTY	Daily
2300 " (7 PM ET)	CWs	Mon, Wed, Fri
2300 " "	CWf	Tue, Thu
0000 " (8 PM ET)	CWb	Daily
0100 " (9 PM ET)	RTTY	Daily
0145 " (9:45 PM ET)	VOICE	Daily
0200 " (10 PM ET)	CWf	Mon, Wed, Fri
0200 " "	CWs	Tue, Thu
0300 " (11 PM ET)	CWb	Daily

Frequencies (MHz)

CW: 1.8175 3.5815 7.0475 14.0475 18.0975
 21.0675 28.0675 147.555
RTTY: 3.625 7.095 14.095 18.1025 21.095
 28.095 147.555
VOICE: 1.855 3.990 7.290 14.290 18.160
 21.390 28.590 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM

CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM

CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

RTTY = Teleprinter Bulletins = BAUDOT (45.45 baud) and AMTOR-FEC (100 Baud). ASCII (110 Baud) is sent only as time allows.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2230 UTC (6:30 PM ET), Keplerian Elements for active amateur satellites are sent on the regular teleprinter frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0000 UTC (8 PM ET) Thursdays and 0000 UTC (8 PM ET) Fridays.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Teleprinter at 15 minutes past the hour, and CW on the half hour.

FCC licensed amateurs may operate the station from 1400 UTC to 1600 UTC (10 AM to 12 PM ET), and then from 1700 UTC to 1945 UTC (1 PM to 3:45 PM ET) Monday through Friday. Be sure to bring your current FCC amateur license or a photocopy.

The complete W1AW Operating Schedule may be found on page 97 in the April 2004 issue of QST or on the web at, <http://www.arrrl.org/w1aw.html> .

MDXC Scholarship Announcement

The Madison DX Club has a program to provide local students enrolled in an institution of higher learning with financial assistance. The structure of the program is in place and a number of contributions have been received. The program is off to a good start. Any financial contribution you might make to the program will make more and larger scholarships available. A donation form is

attached. Complete details of the program are available at <http://www.madisonxclub.org>. If you know of a ham who will be (or is) "attending college", please pass on the information about this program.

(See our own KC9CBT on Page 2)

Programs for FLARC Meetings

We need lots more ideas and topics for programs to present at our meetings. So let us hear from you.

Send your ideas to Frederick, W9GOC, or to one of the FLARC Board Members. Thanks for your support.

FLARC Web Site

The FLARC URL is <http://www.qsl.net/flarc>. If you see any errors, please let Steve, W9RAL know, e-mail: w9ral@aol.com.

Elmers

If you are interested in being an Elmer, one who helps newcomers get started in ham radio, contact Gary Dennis, KG9FL.

VE Testing Program

Sam Rowe, KG9NG, is the acting VE Team Chairman.

FLARC sponsors FCC license exams, which are held on the FIRST Saturday of each month at Space Place.

Note that **the address has changed for the July testing**. Space Place is moved south on Park Street to the Villager (mall) at 2300 South Park St.

Wisconsin Section News

Keep in touch with the ham action in Wisconsin by going to the Wisconsin section website: <http://www.arrl.org/sections/?sect=WI>.

73, Don, W9IXG, Wisconsin Section Manager

Buck Nite Winner at FLARC

Phil Carlson, WB0CLI, was the April winner.

Awards Checkers

Checker for the WAS Award is Gari, NG9V. When you are ready, just contact him; he'll be glad to do it, 608-221-2022 or gberliot@ameritech.net.

Checker for the VUCC awards is Richard, K9APW. Contact him at 608-833-0011 or k9apw@arrl.net.

BUY — SELL — TRADE

ATTENTION FLARC MEMBERS: If you have amateur radio or computer items that you would like to BUY, SELL, or TRADE, you can do it in the *Feedline*. There is no charge for non-commercial advertising.

Mission Statement

The Four Lakes Amateur Radio Club

The Four Lakes Amateur Radio Club (F.L.A.R.C.) is a non-profit, general interest club that exists to promote the growth and enjoyment of Amateur Radio in South-Central Wisconsin. The club's mission is to encourage new operators, enhance the skills and interests of those already licensed and to provide communications in the event of disasters or other emergencies. To accomplish this mission, F.L.A.R.C. will:

- Schedule regular meetings with informational

programs and the opportunity for informal fellowship.

- Publish a monthly newsletter for the membership.
- Sponsor training classes.
- Sponsor Volunteer Examinations.

The Feedline is the regular monthly newsletter of the Four Lakes Amateur Radio Club (FLARC). The editor for *The Feedline* is Steve Elliott, W9RAL, and can be contacted at (608) 345-2286 or e-mail: w9ral@aol.com.

Member Birthdays

June:

- 02 K9YXW - John M Schroeder, MD
- 10 KC9HED - Wade Olson
- 12 WD9BFV - Richard Lindgren
- 13 AD9X - Jim Lackore
- 14 W9JEK - Wilbur Jensen
- 21 N9MW - Ed Toal
- 25 KC9GDI - Woody Pfeffer
- 29 KC9CMA - Shyam Koppikar
- W9DCQ - Doug Ward

July:

- 01 K9IMM - Ted Gisske
- 03 N9UBZ - Scott Phillips
- 06 N9OJN - Floyd E. Creamer
- KS9C - Keith Hester
- 09 KB9KVA - Yolanta Graniero
- 14 N9NZW - Ken Friou
- 16 K9UTC - Jeffrey Weiss
- 27 N9XVZ - Karl Wigdal

Information About J-pole Type Antennas

Here is a website which may help you find information about J-pole antennas.

www.dxzone.com/catalog/Antennas/J-Pole/

FLARC Had A Fox Hunt!

Yes, you heard that right, a Fox Hunt. On May 14, 2005, FLARC had their first Spring Fox Hunt. The

Hunt began at the Village Green Restaurant in Middleton, Wisconsin. The Hunt's Fox was none other than our own John Steffl, K0ZYA. The "winner" of the Fox Hunt was Steve Elliott, W9RAL. A total of three teams participated and they all reached the fox within the two hour time frame. FLARC and John want to thank everyone for their participation in the Spring Fox Hunt event.

Don't forget our upcoming Summer Fox Hunt, to be held in August.

Amateur Radio Web Sites

MARA	www.gsl.net/mara
WAR	www.wi-repeaters.org
MDXC	http://www.madisondxclub.org
N9MW	http://www.n9mw.com (DX-Cluster)
SMC	http://www.w9smc.com

Dane County ARES/RACES

http://groups.yahoo.com/group/dane_co_ares-races/
(has a current listing of Public Service Events)

Note: The Wisconsin Association of Repeaters (WAR) site, <http://www.wi-repeaters.org/>, will provide a current list of all repeaters in the state of Wisconsin. You can get the list sorted by frequency, by city or by region. The list has the offset, tone frequency, availability of auto patch, emergency power, owner, if open and if it's associated with emergency nets.

MDXC works with Internet Explorer and not with some versions of Netscape.

Other interesting sites are www.gsl.net and www.qrz.com. There are many, many links to other sites, which promote things from antennas, antenna construction to software. Also www.ac6v.com and www.cpcug.org/user/wfeidt/index.htm are full of links about ham radio. The latter is NG3K Amateur Radio Contest/DX page with the link ADXO, Announced DX Operations.

If you click on some of these URLs, they may not work and you will get an error message. They are OK if you type them into your browser.

Also, the ARRL Letter is a weekly update of amateur radio news, which can be found at: <http://www.arrl.org/arrlletter/>.

Badger Amateur Radio Society (BARS)

For those of you who utilize the 146.685 MHz, p123.0 Hz (W9YT), repeater in the Madison area, the Badger Amateur Radio Society (BARS) is the group which operates this equipment. The BARS group is the student based organization of the University of Wisconsin, and is open to amateur radio operators who are students, alumni, or just involved in amateur radio. BARS meetings are the first Thursday of the month (through August while school is out), at 5:00 pm, in the Memorial Union Terrace. Meetings are held during the school year, so be ready for changes in time and meeting locations once the school year starts.

The BARS president, Jacob Ela, KC9CJW, would like to encourage you to come to a BARS meeting and find out the types of things BARS is doing in our amateur radio community. BARS has setup the EchoLink[®] simplex station here in Madison, on 147.510 MHz, p1 123.0 Hz. Please visit the BARS website for more information about BARS and the activities they are doing, <http://w9yt.engr.wisc.edu/>.

Speaking of EchoLink[®]

As those of you who use EchoLink[®] know, if you want to contact some location directly via your radio or computer, you need to know their node number.

Unfortunately, there is no location anywhere on the Internet which includes every node number, and so our dilemma. We need to find a way to get your node numbers from you so we can build a database for both FLARC and BARS members.

If you use EchoLink[®] from your computer, or have a base station tied to the Internet using EchoLink[®], we would like to get you node number for our database. These numbers will be collected, placed in a database, and made available to FLARC and BARS members. This listing will allow EchoLink[®] users to connect directly to nodes, rather than taking the "random" selection.

Send your EchoLink[®] node numbers to Steve,

W9RAL at e-mail: w9ral@aol.com.

TO HELP OUR NEW MEMBERS

We have seen a number of new members joining FLARC in the past couple of months. As members of this fun and exciting radio club, we should take a couple of minutes during our meeting breaks and introduce ourselves to these new members.

As I know from my own fears, meeting people can be a difficult moment. It should be remembered that the other person is often as shy as you, and only needs those few words of "Hi, I'm Steve, W9RAL, and welcome to the club!"

This will also work on those members who are able to come only every now-and-then, and you just have forgotten their name. Take that moment and make a Ham Contact at our meetings. Your little CQ might lead to a great QSL.

ICOM MANUALS

If you have ever had a difficult finding one of those needed ICOM owner's manuals, here is the official website you need to know about:

<http://www.icom.co.jp/world/support/download/manual.html>

This site probably has what you been looking for, so have a fun time.

FIELD DAY PREPARTIONS

Preparations are coming together for Field Day, June 25 and 26 at Badger Prairie Park in Verona, but we also have several gaps that need to be filled in the near future to assure a successful event.

John Steffl (KØZYA) is again providing his large, quiet generator that will give us all the power we need for operating multiple stations at up to 150 Watts. In addition, we expect to have at least two backup generators. John also is heading up the GOTA (Get-On-The-Air) station and is signing

up qualified operators (currently unlicensed prospective hams, Novice and Technician licensees, and licensed hams who have been inactive for at least the past two years.) If you are interested in GOTA operations, contact John by e-mail steff1@charter.net or by phone (608) 846-5511.

Steve Franzen, N9CK, has agreed to operate 80 and 40 CW, which is good news as Steve produced one of our leading point totals in last year's FD. I'm sure Steve would welcome assistance from other CW operators.

Dave Nelson, K9TY, has agreed to join forces with FLARC for the third year in a row and plans to erect a beam for 20 meter sideband. Dave also will be making a presentation at the May meeting on computer logging.

We still need station leads and operators for 80 and 40 phone and for 20 CW. Phone and CW operations also could be accommodated on 15 and 10 if anyone is interested and optimistic that band conditions will be favorable during the current solar minimum. Last year we had a surprisingly successful 6-meter operation thanks to Joe Senulis and his J-pole antenna. I have not yet heard from Joe but hope he will be able to join us again. Several clubs in Wisconsin and Illinois will be operating point-to-point VHF and UHF stations and this would be a good way for FLARC to pick up some added points if we have interested operators (sorry, no repeater contacts permitted.)

Bonus points have been an important component of our total score in recent years and we expect to do well in that category this year as well. We get 100 bonus points each for setting up in a public park, for having an information booth dispensing fact sheets to visitors and any VIPs who turn out, for putting out a press release to local media, by securing a visit from a served agency such as the Red Cross, for completing at least 100 GOTA contacts (plus a point for each GOTA contact), for each station operated on emergency power, for accurately copying the ARRL Field Day bulletin off the air, and others. One bonus we have not collected in the past is the 100 points available for completing at least one earth to satellite and back to earth contact. This would

be an interesting challenge for anyone with portable satellite communications capabilities.

We will need plenty of help setting up shelters, antennas and stations beginning at 8 a.m. Saturday, June 25. Even though the chairman is promising beautiful weather for the event again this year, if you have a pop up camper, wall tent or gazebo screen shelter we could make good use of these as operations shelters. We also could use a couple of push-up masts or portable towers for supporting dipoles and inverted vees.

The success of Field Day is directly proportional to the extent of membership participation. So if you would like to join in, whether you are an experienced operator or a newcomer to ham radio, contact Field Day chairman Doug Ward by e-mail W9DCQ@AOL.COM or by phone (608) 233-2468.

Field Day Logging Program

The N1MM logging program has been selected as the primary logging program for the FLARC Field Day operation. While this program is not at the top of everyone's list, the program is FREE and has many features which can assist FLARC point scoring and submission requirements for Field Day 2005.

Please go to <http://www.n1mm.com> to obtain your free copy.

Need for Communications Assistance

From: "Hap Daus"
<yellowdogworkshop@yahoo.com>
To: "Don Michalski" <dem@sal.wisc.edu>

We could use a couple of hams for an event we will provide comm for on the morning of Field Day. The race is in Lancaster. It is a 30 miler starting at 10 AM. We will assemble on the square at 9 AM. Last racer/tourer should be in by 1:30 I am told. Contact me at 608.348.3365 or by my e-dress, yellowdogworkshop@yahoo.com

If you can help provide communications for this new event in southwest Wisconsin, please contact Hap. Hap and the Hidden Valley ARC club graciously give us permission to use their 146.655 repeater for various public service events in Iowa County so it would be nice if you could help them out.

Thanks!! 73, Don, W9IXG

Special Commemorative Broadcast To Mark Debut Of FM

Broadcasting history buffs mark your calendars! A special commemorative FM broadcast Saturday, June 11, at noon EDT will mark the 70th anniversary of Maj. Edwin H. Armstrong's first public demonstration of wideband frequency modulation (FM).

The broadcast will emanate from Armstrong's 400-foot-tall experimental tower in Alpine, New Jersey, overlooking the Hudson River. An area landmark that also served several New York City broadcasters in the wake of the September 11, 2001, terrorist attacks that destroyed the World Trade Center, the gigantic structure now is owned by CSC Management Inc, headed by Charles Sackerman Jr. He and Steve Hemphill, WA3ZAE, owner of Solid Electronics Laboratories--a Pennsylvania broadcast equipment manufacturer--have secured a Special Temporary Authority (STA) from the FCC to conduct the FM broadcast on

Armstrong's original frequency of 42.8 MHz at a power of 250 W ERP. They'll use the experimental/STA call sign WA2XMN, reminiscent of Armstrong's W2XMN call sign.

The program itself will consist of David Ossman's dramatic production of "Empire of the Air," based on the book by Tom Lewis. They also plan to air excerpts from a 1941 test broadcast between member stations of the original New England Yankee Network, featuring actual voice recordings of Armstrong, Yankee Network Chief Engineer Paul deMars and others. They'll also rebroadcast the final signoff of Armstrong's pioneer FM station W2XMN/KE2XCC. The station went silent February 25, 1954, following Armstrong's death by suicide.

For those lacking an FM radio that can tune to 42.8 MHz, the broadcast will be simulcast via WFDU(FM) 89.1 MHz, which also will provide a streaming webcast

<http://alpha.fdu.edu/wfdu/wfdufm/index2.html>

. The entire program will be rebroadcast on the Web at 7 PM EDT on June 14 and 16. A recording of the complete broadcast will be available for download at <http://www.cscmgt.com>. Additional information about the commemorative broadcast and the Alpine tower site is available on the CSC Management Web site

<http://www.cscmgt.com/index.html>.

For Sky Warn Watchers

If the weather gets active in the Dane County/Southern Wisconsin area, you may want to follow the action on 444.375MHz.

Submitted by Kevin, K9EV.

FOR SALE ITEMS

FOR SALE

- Azden PCS-6000 6 meter FM, 50 watt mobile rig. \$200.00
 - Cushcraft R7, hf vertical \$30
 - Alinco DR-MO3 10 meter fm mobile. \$50.00
- If interested call Kevin KF9AQ at 608-273-0956

EQUIPMENT FOR SALE

ALL ITEMS WORK ACCORDING TO SPECIFICATIONS AND ARE IN MINT CONDITION

- MH-C777 Universal battery charger: \$45.
- Astron 35M PS: \$95.
- Astron 20A PS: \$55.
- Kenwood KPS 15 PS: \$65.
- MFJ 1275B TNC: \$55.
- MFJ 1275 SC Interface: \$55.
- MFJ 969 antenna tuner: \$59.
- Yaesu 2600M 2-meter transceiver: \$85.

If interested, contact Jim Lackore, AD9X, at 608-233-3902 (home), 608-770-3902 (cell).

For Sale

A former ham has some gear to sell. His email explains:

From: Dr Mason <amason@aipathology.com>
To: <w9ixg@arrl.org>
Sent: Sunday, January 02, 2005 1:18 PM
Subject: equipment for sale

I am a former ham (WA9IQY) and I have a relative who passed away a couple of years ago who exported amateur radio equipment. I have a number of HAM-IV rotors for 220v 50-60hrz as well a[s] one sidewinder rotor. I have bench tested all of them and they are in perfect working order. I also have several Mosley multi band beams which were in a basement and the boxes got wet, but the antennas are like new. Do you have a suggestion as to how I might try to sell these items? I live in Wausau, WI.

Thanks for your assistance,
Al Mason

For Sale

- PL 259 connectors are \$1.25 each.
- 100MFD/450VDC electrolytic capacitors (NOS) \$1.50 ea or 4 for \$5.00.

Contact the FLARC President for more information.

FOR SALE



The Yaesu FT-2800M is a compact 2m mobile 65 Watt FM transceiver. The radio has a large back-lit LCD display, and features ARS, Advanced Track Tuning receiver (greatly reduces inter-mod), extended RX (137-174), weather alert RX, CTCSS tone encode/decode, DCS encode/decode, 221 memory channels, multiple scanning modes, and more. Supplied with a back-lit DTMF hand microphone with up and down frequency controls and four programmable keys, mounting bracket with hardware, and a fused DC power cord.

New Price

AES \$160.00, Burghardt \$160.00, Radio City \$165.00

New in the box

\$ 125.00

Jim Staatz KI9H
Phone 715-532-5903
Ki9h@arrl.net

Advertisers

The club is always looking for advertisers for our club. This helps defray the cost of the news letter some. If you have a candidate(s) in mind; see Don or any board member for details. It is a good way for some business to get exposure and help the club out. It isn't very expensive at all. Contact Don, W9IXG or Frederick Baguhn, W9GOC.

Tom's Auto Clinic

2652 E. Washington Avenue
Madison, WI 53704
608-241-3391

Steve - N9CK Marylynn - K9SAM

Phasor Labs

cforster@phasorlabs.com

Contest Calendar

Another source of contest dates has been suggested instead of the one below. The source is <http://home.online.no/~janalme/hammain.html/>. They overlap quite a bit and each has contests that the other does not have. Furthermore, they disagree on some dates and times. The above site has the advantage of having links to the rules. The following is excerpted from:

WA7BNM 13-Month Contest Calendar Last updated March 13, 2005

Please note that you may not be able to operate during all of the total hours of the contests listed below. Total operating time may also vary by entry category. See individual contest rules for allowed operating hours. This calendar comes from website: <http://www.hornucopia.com/contestcal/contestcal.html> .

June, 2005	
VK/Trans-Tasman 80m Contest, CW	0800Z-1400Z, Jun 4
IARU Region 1 Field Day, CW	1500Z, Jun 4 to 1459Z, Jun 5
RSGB National Field Day	1500Z, Jun 4 to 1500Z, Jun 5
ORP TAC Sprint	1800Z-2359Z, Jun 4
WorldRadio Friends' Day QSO Party	1800Z, Jun 4 to 1800Z, Jun 5
RSGB 80m Club Championship, Data	2000Z-2130Z, Jun 6
ANARTS WW RTTY Contest	0000Z, Jun 11 to 2400Z, Jun 12
Portugal Day Contest	0000Z-2400Z, Jun 11
Asia-Pacific Sprint, SSB	1100Z-1300Z, Jun 11
GACW WWSA CW DX Contest	1500Z, Jun 11 to 1500Z, Jun 12
REF DDFM Contest	1600Z, Jun 11 to 1600Z, Jun 12
ARRL June VHF QSO Party	1800Z, Jun 11 to 0300Z, Jun 13
RSGB 80m Club Championship, CW	2000Z-2130Z, Jun 15
SARL Kid's Day	0700Z-0900Z, Jun 16
All Asian DX Contest, CW	0000Z, Jun 18 to 2400Z, Jun 19
SMIRK Contest	0000Z, Jun 18 to 2400Z, Jun 19
AGCW VHF/UHF Contest	1600Z-1900Z, Jun 18 (144) and 1900Z-2100Z, Jun 18 (432)
West Virginia QSO Party	1600Z, Jun 18 to 0200Z, Jun 19
Quebec QSO Party	1700Z, Jun 18 to 0300Z, Jun 19
Kid's Day Contest	1800Z-2400Z, Jun 18
RSGB 80m Club Championship, SSB	2000Z-2130Z, Jun 23
Marconi Memorial HF Contest	1400Z, Jun 25 to 1400Z, Jun 26
	1800Z, Jun 25 to 2100Z, Jun 26
ARRL Field Day	1800Z, Jun 25 to 2100Z, Jun 26

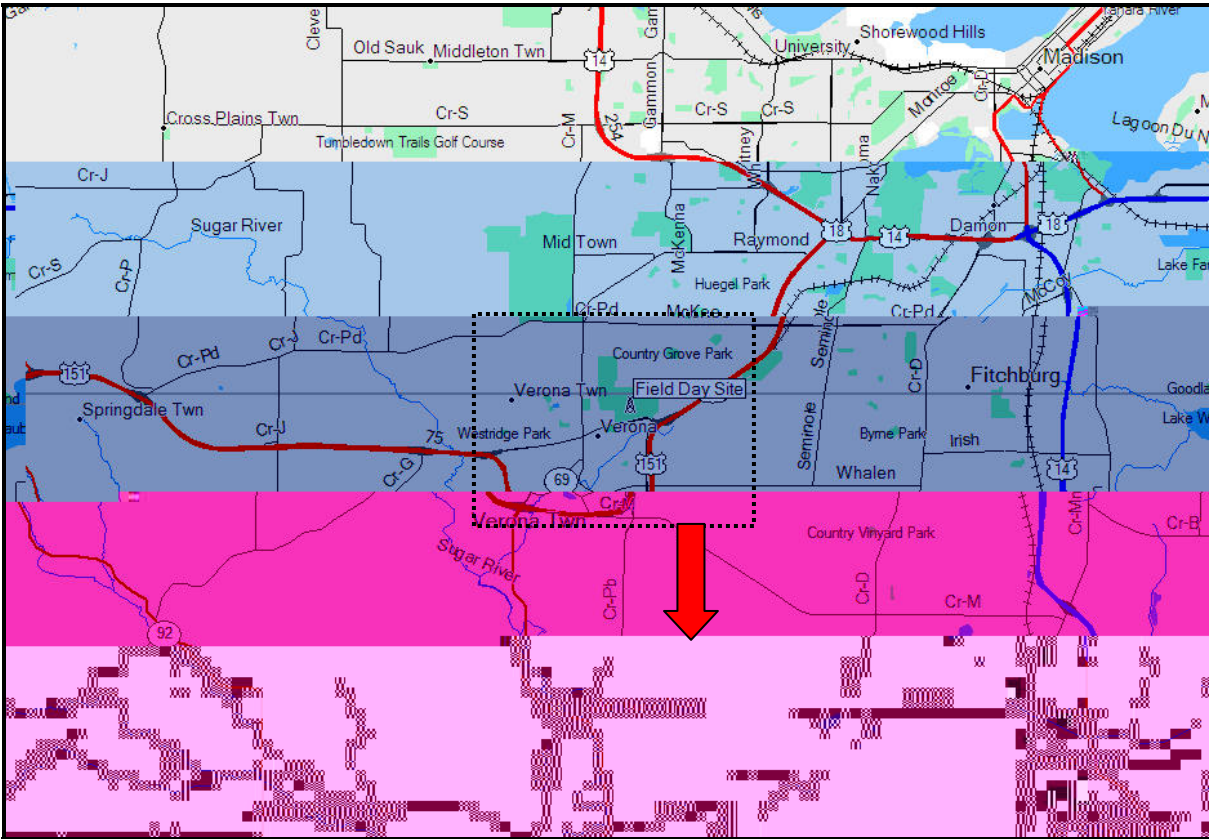
July, 2005	
RAC Canada Day Contest	0000Z-2359Z, Jul 1
NCCC Thursday Sprint	0230Z-0300Z, Jul 1
Venezuelan Ind. Day Contest	0000Z, Jul 2 to 2359Z, Jul 3
WLOTA Contest	0600Z, Jul 2 to 1200Z, Jul 3
Original QRP Contest	1500Z, Jul 2 to 1500Z, Jul 3
DARC 10-Meter Digital Contest	1100Z-1700Z, Jul 3
RSGB 80m Club Championship, CW	2000Z-2130Z, Jul 4
MI QRP July 4th CW Sprint	2300Z, Jul 4 to 0300Z, Jul 5
NCCC Thursday Sprint	0230Z-0300Z, Jul 8
VK/Trans-Tasman 160m Contest, Phone	0800Z-1400Z, Jul 9
IARU HF World Championship	1200Z, Jul 9 to 1200Z, Jul 10
FISTS Summer Sprint	1700Z-2100Z, Jul 9
ARCI Summer Homebrew Sprint	2000Z-2400Z, Jul 10
RSGB 80m Club Championship, SSB	2000Z-2130Z, Jul 13
NCCC Thursday Sprint	0230Z-0300Z, Jul 15
CQ Worldwide VHF Contest	1800Z, Jul 16 to 2100Z, Jul 17
North American QSO Party, RTTY	1800Z, Jul 16 to 0600Z, Jul 17
RSGB Low Power Field Day	0900Z-1600Z, Jul 17
RSGB 80m Club Championship, Data	2000Z-2130Z, Jul 21
NCCC Thursday Sprint	0230Z-0300Z, Jul 22
Great Lakes Sweepstakes	0000Z, Jul 23 to 2359Z, Jul 24
VK/Trans-Tasman 160m Contest, CW	0800Z-1400Z, Jul 23
RSGB IOTA Contest	1200Z, Jul 30 to 1200Z, Jul 31
ARS Flight of the Bumblebees	1700Z-2100Z, Jul 31

Send comments and corrections about this page to Bruce Horn, WA7BNM

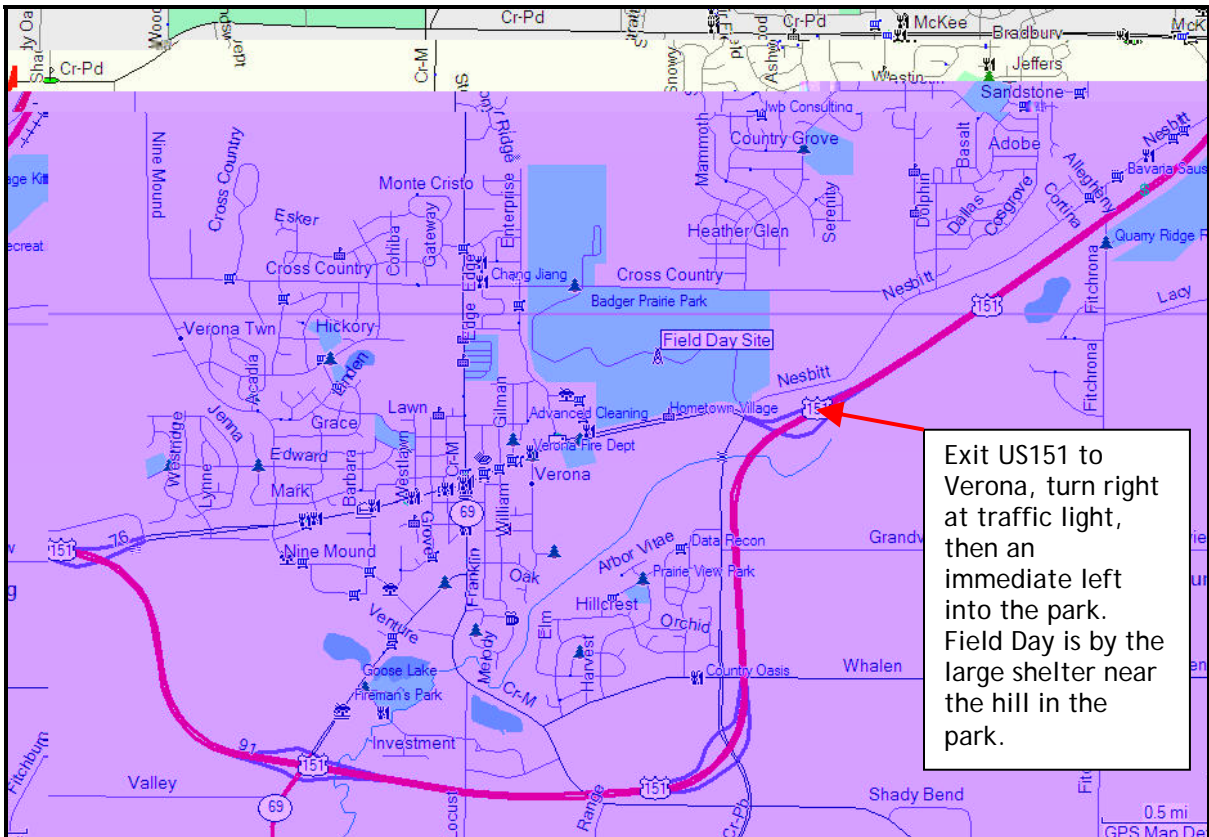
Revision Date: March 13, 2005

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Information is also available from the ARRL contest web site <http://www.arrl.org/contests/calendar.html> and the ARRL Contest Rate Sheet at <http://www.arrl.org/contests/rate-sheet/>. You can also get the Rate Sheet emailed to you once a week. You may have to copy these URL's into your browser to make them work.



FIELD DAY MAPS



**Four Lakes Amateur Radio Club Membership
Mail-In Application**

Date: _____ Callsign: _____

Name: _____

Address: _____

City, State, Zip: _____

Telephone: _____

Month & Day of Birth: (optional) _____

E-mail address: _____

License Class: _____

ARRL Member: Yes _____ No _____

Newsletter delivery:

Email: _____ Standard Mail: _____

Dues: \$20 regular, \$17 Senior (65 plus), \$10 Student, \$14 additional family members.
(one newsletter per family)

Mail check and completed application form to:

**FLARC c/o Don Michalski
4214 Mohawk Dr.
Madison, WI 53711**

MDXC Scholarship Contribution Form

Mail to: Gari Berliot - NG9V; 5326 Knightsbridge Road; Madison, WI 53714

I wish to contribute \$_____ to the MDXC Scholarship Fund.

- Payment is included with this form.
Make checks payable to the MDXC Scholarship Fund
- Payment will be made on or before _____ 20____
Please note that MDXC expects to award scholarships annually in May and make payouts at the end of each year.

NAME (please print)

ADDRESS

CITY

STATE

ZIP CODE

SIGNATURE

DATE

For complete details of the program you may go to <http://www.madisonclub.org>. You may contact us at scholarship@madisonclub.org.