



The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

VOL. 26 – No. 02

February, 2005

2003 FLARC Officers

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

Board Members at Large

Phil Carlson WB0CLI
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 www.qsl.net/flarc Keep checking the links page for new goodies!

Meeting dates and programs

Prez Says –

Greetings to all!

Thank you to all who braved the nasty weather to join us for the January business meeting. The slate of officers ran unopposed and were re-elected to their posts for the 2005 year. There are some changes on the Board leadership, however. Doug Ward, our Field Day Chairman, is vacating his seat on the Board - - but rest assured, he is continuing as our Field Day Chairman! Bud Morin has also surrendered his seat on the Board. Phil Carlson

has been re-elected and will provide continuity. New members on the Board are Steve Elliot, W9RAL, and Tom Komsi, KC9EUC, the Big Project instructor in Mount Horeb.

One of the identified goals for this year is a second fox hunt. After much calendar consulting, the date of 14 May has been proposed. Please mark your calendars? Details will be forthcoming as they develop. At present, we are looking at a noon-ish start time, following morning Zilch in Middleton.

A number of interesting meeting topics have been proposed, and inquiries are out to coordinate schedules. Herb /W9LA is working his contacts in the broadcast field, and we are trying for a field trip to the community tower transmitter facility. (this one may come up with a date that isn't on the third Tuesday evening - - those assembled at the January meeting assured Herb that we'd be happy to come on a transmitter site tour whenever he can arrange it !)

But for the February meeting, we are going to do a show-and-tell. If you missed our last one of these, the objective is simple; bring something ham-radio related that you think others might be interested in seeing in real life. You don't have to do an in-depth presentation on the what-sis; but those of us who haven't seen one may have some questions for you.

And I have a request for information:

Do you have any experience interfacing a keyer to an FM transceiver for use as an MCW setup? Which keyers worked well for this? Board members are looking for circuitry which we can easily/inexpensively duplicate so we can get some CW practice nets going. Drop me a note at

w9goc@arrl.net to tell me about your circuit, or bring it to Show and Tell?

Looking forward to seeing you at the meeting - -

73,
Frederick

FLARC Treasurer Report

1/18/2005

Balance in the treasury is \$3,500.13.
There are 94 paid up members.

Don, W9IXG

Feedline Editor

Starting next month there will be a new Feedline Editor: Steve Elliott, W9RAL. He will do a great job. I have had fun and pain with putting out the Feedline but I'm slowing down for now. Thanks to everyone for their help.

Bud, K9ZT

Big Project Update

The Big Project has taken off locally in Mt. Horeb at the Mt. Horeb Middle School. Our own Tom Komsi, KC9EUC, is a Technical Education teacher at the school and is heading up the school's entry into amateur radio in the classroom.

The school has received a grant from ARRL and should be receiving it within the next few weeks. In addition, the family of Mas Iyama, W8WYK, SK, donated the amateur radio equipment from the estate to the school for use in The Big Project.

For now, Tom is setting up the classroom area for the radios, developing class lectures and activities,

and working on his own training in Morse code to complete is General Class license.

Everyone is encouraged to support amateur radio as a learning tool in our schools, and The Big Project at Mt. Horeb Middle School is the starting point for bringing amateur radio to our kids in the Madison and surrounding areas. FLARC has been involved in establishing this program at Mt. Horeb MS, and our members can look forward to opportunities to assist Tom in this new program. If you need more information, please let Tom know.

From all of us, Good Luck, Tom.

Wisconsin QSO Party

The Wisconsin QSO Party is coming up. Even if you are not a contester, try to get in a little time and add to the FLARC's total. The following information comes from the ARRL Wisconsin section report by din Michalsi, W9IXG.

** The 2005 Wisconsin QSO Party is scheduled to begin at 12 noon CST (1800Z) SUNDAY March 13, and run until 7 PM Sunday (0100Z March 14). This annual 7 hour event is sponsored by the West Allis Radio Amateur Club (WARAC). Further information, including entry forms, rules, the multiplier list, and the Cabrillo format for electronic log submissions, are available on our website www.warac.org under QSO Party. Entries will need to be received no later than April 14, 2005. Paper entries should be sent to: WIQP, P.O. Box 1072, Milwaukee, WI 53201. Electronic entries, using our Cabrillo format, should be sent to: k9kr@arrl.net. PLEASE clearly label any electronic entries so they do not become part of the large amount of spam we receive. We suggest you label your entry with your CALLSIGN and the extension LOG, such as - K9KR.LOG. If you need any kind of assistance, or have any questions, please send them to Lynn, k9kr@arrl.net. More information is in the February issue of BSSS. www.bsss.org

BPL Report

From ARRL Letter, Vol. 24, No. 5, February 4, 2005:

==>PENNSYLVANIA TOWN DROPS BPL PLANS

The Borough of Chambersburg, Pennsylvania, has decided against plans to offer broadband Internet service via broadband over power line (BPL) technology, according to a January 18 report in Public Opinion. The Cumberland Valley Amateur Radio Club (CVARC) spearheaded ham radio opposition to the plan in the eastern Pennsylvania community of some 17,000 residents through an informational campaign.

"We were lucky, but only because many members of the local amateur community put time in to fight BPL right up front, before the municipality had thrown so much money at it that it had a stake in it succeeding," CVARC President David Yoder, KB3HUC, told ARRL. "I can't emphasize that enough—putting people in front of the decision-makers, working with the press and so forth paid off because we jumped in as soon as we heard BPL was being considered."

The Public Opinion article by Cathy Mentzer, quoted Chambersburg officials as saying there wasn't enough money in the municipality's Electric Department budget to go forward with a BPL deployment this year. Borough officials also cited state legislation effective last year that encourages telecommunication companies to provide broadband to consumers.

While the BPL initiative is off the borough's 2005 projects agenda, Public Opinion quoted Borough Council President Bill McLaughlin as saying, "As far as I'm concerned, it's dead."

Public Opinion also noted that CVARC members were pleased by the outcome. "That is good news," the article quoted Yoder as saying. "All Amateur Radio operators in the area are relieved to learn that

apparently our concerns were taken into account, along with the recent legislation." Among other things, CVARC members had told the Borough Council last year that BPL would interfere with Amateur Radio and its ability to provide emergency communication.

Chambersburg officials had been looking into leasing the borough's power lines to an Internet service provider as a way to generate revenue, and a consultant had recommended Chambersburg look into BPL. There's more information on CVARC's actions in the BPL matter on the ARRL Web site <http://www.arrl.org/~ehare/bpl/CVARC_plan.html>.

Here is a news story about some people who have BPL in their home and are very happy. There is nothing in it about interference, probably because it hasn't been checked out.

BPL is all the rage in rural Internet

MARTINSVILLE, Ind. -- Difficult though it was, Fred and Robin Livesay ran three businesses from their home just outside town with a pokey dial-up link to the Internet.

To read the full story, click on the link below, or copy and paste it into your Web browser:
<http://www.indystar.com/articles/9/218914-5659-105.html>

ZCZC AG05
QST de W1AW
ARRL Bulletin 5 ARLB005
From ARRL Headquarters
Newington CT February 9, 2005
To all radio amateurs

SB QST ARL ARLB005
ARRL005 ARRL Tells FCC to "Reconsider,
Rescind and Restudy" BPL Order

The ARRL has petitioned the FCC to take its broadband over power line (BPL) Report and Order (R&O) back to the drawing board. In a Petition for

Reconsideration filed February 7, the League called on the Commission to "reconsider, rescind and restudy" its October 14, 2004, adoption of new Part 15 rules spelling out how BPL providers may deploy the technology on HF and low-VHF frequencies. Asserting that the R&O fails to adequately take into account the technology's potential to interfere with Amateur Radio and other licensed services, the League called the FCC's action to permit BPL "a gross policy mistake." The R&O, the ARRL said, "represents a classic case of prejudgment" by an FCC that knew better but ignored evidence already at its disposal.

"It is readily apparent that the Commission long ago made up its mind that it was going to permit BPL without substantial regulation, no matter what the effect of this flawed application of old technology is on licensed radio services," the League's petition declares. The ARRL accuses FCC Commissioner Michael Powell and his four colleagues of deliberately authorizing "a spectrum pollution source" that's proven to be incompatible with existing licensed uses of the HF spectrum.

"The Commission wanted nothing to contradict its enthusiasm about BPL," the League said, and its Office of Engineering and Technology (OET) saw to it that evidence of the "fundamental incompatibility" between BPL and incumbent HF radio services "was suppressed, ignored or discredited." The FCC has not adjudicated a single interference complaint, the ARRL added, but has swept interference complaints under the rug.

The ARRL further argued that Powell should have recused himself from voting on the R&O. The chairman, the ARRL says, violated the FCC's own ex parte rules by attending a BPL provider's demonstration October 12, after release of the October 14 agenda. Powell "tainted this proceeding" by taking part in the demonstration, and that alone is sufficient to have the Commission vacate and reconsider its action, the ARRL alleged.

The League also said the FCC's "late and incomplete" responses to ARRL's Freedom of Information Act (FOIA) requests fail to show any

support for FCC's conclusions regarding interference to licensed services from BPL. The highly redacted information release contained nothing that supports the FCC's conclusions about BPL's interference potential and suppressed negative recommendations from its own technical investigators, the petition says. As a result, the League said, the Commission "failed to conduct impartial, reasoned rulemaking."

The Commission used an unlawful "balancing test" that weighed BPL's purported benefits against its interference to licensed services, the League asserts, creating "a hierarchy of licensed radio services" based upon "how much interference each service deserves." The Communications Act, the League's petition points out, requires an objective determination from the outset that the likelihood of harmful interference from a proposed unlicensed service is virtually nil.

The interference mitigation rules in the R&O are both ineffective and inequitably applied, the ARRL's petition further argues. Noting the new rules do not require BPL systems to shut down in the event of interference except as "a last resort," the League said the practical effect is "that systems will never have to shut down," even if the BPL operator has not been able to remedy ongoing harmful interference to the Amateur Service. The new rules, the petition charges, accord priority to unlicensed BPL, "regardless of the preclusive effect" or the duration of interference.

In its unanimous BPL decision, the Commission, the League says, has abandoned its fundamental obligation to avoid interference in telecommunication systems, instead requiring complainants to initiate contact with BPL providers and "beg for resolution." The ARRL petition also faults the Commission's adopted measurement standards.

The League's Petition for Reconsideration in ET Dockets 03-104 and 04-37 is on the ARRL Web site, http://www.arrl.org/announce/regulatory/et04-37/recon_petition/.

Swapfests

Coming up:

March 20, 2005, Jefferson, WI: Tri-County
Amateur Radio Club, Jefferson County
Fairgrounds.

April 1-2, AES Superfest, Milwaukee, WI (many
manufacturers, etc.)

April 17, 2005, Madison Area Repeater Association
Swapfest, Stoughton, WI.

Technician Class

The next Technician License Workshop will be
held February 19 and 20, 2005. Contact Don
Michalski, W9IXG.

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.madisondxclub.org>. if you
know of a ham who will be (or is) "attending
college", please pass on the information about this
program.

Programs

We need some more ideas or
topics for programs to present
at the meetings. So let us hear
from you.

FLARC Web Site

The FLARC URL is <http://www.qsl.net/flarc> If
you see any errors, please let us know.

Elmers

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

VE Program

Tim, WO9U, is the VE Team Chairman has resigned.
The exams are given at SPACE PLACE on South Park
Street on the FIRST SATURDAY OF THE MONTH.

Wisconsin Section

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

Buck Nite

Carter Wegner, KC9FNF, won the buck.

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.

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.

Birthdays

February:

- 4 N9CK—Steven Franzen
- 9 W9UPK—Colin Wheatley
- 15 KC9EHR—Mark Kovelan
- 25 N9UDG—George Edgerton
- 27 K9REO—Jim Lattis

March:

- 2 N9KAN—Jim Kalrath
- 3 WA2PUX—Ralph Gable
- 4 KB9TPQ—Tom Garrison
N9HNN—John Pellet
- 27 KF9AQ—Kevin Graniero
KC9CHL—Blake Johnson
- 30 WB9NOV—Frank Holliday

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.

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.

Station Sale

Frank Holliday, WB9NOV, is selling his radio gear:

Kenwood TS-850S
 with Astron AS-35A Power Supply
 Kenwood SP-940 Speaker
 Kenwood Monitor SM-220
 Drake L-4B Amplifier with Power Supply
 Dentron TDR-3KA Antenna Tuner
 Drake C-4 Station Console
 with Control for Tower
 CDE – Antenna Control Box
 Kenwood Tm-721A / 2 mtr and 440 MHz
 Kenwood TM-331A / 220 MHz
 Kenwood TM-331A / 220 MHz – New
 Astron RS-12A Power Supply
 Kantronics KAM-Plus TNC
 Earphones
 Microphone

Contact: Frank Holliday
 23 Walworth Ct.
 Madison, WI 53705
 Phone – 233 - 2163

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

- Antenna Tuner: MFJ 949E - \$60.00.
- HF SWR/Watt Meter: MFJ 816 - \$15.00.

- 144/220 SWR/Watt Meter: MFJ 812B - \$15.00.
- Keyer: MFJ EconoKeyer 401B - \$20.00
- Keyer: Palomar PK44 - \$25.00.
- 144/440 Mobile Transceiver: Kenwood TM-V7: \$190.00
- 50/144/440 HT: Yaesu VX-5R w/external mic, earphone mic, alkaline battery holder, soft case - \$145.00.
- Headphone/mic: Heil w/foot switch and Yaesu and Kenwood mic cords - \$40.00.
- Sound Card Interface: MFJ 1273B (for RJ-45 mic): \$20.00.
- Sound Card Interface: MFJ1273B (for 8-pin mic): \$20.00
- Antenna switch: MFJ 1804, four-postion: \$35.00.

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

For Sale:

Tektronix Type 535 Oscilloscope
 Plug-in unit # 53/54K

Contact KC9GDI, Woody Pfeffer, 608-592-5313.

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.

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 Federick 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 January 26, 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.

February, 2005

Vermont QSO Party	0000Z, Feb 5 to 2400Z, Feb 6
10-10 Int. Winter Contest, SSB	0001Z, Feb 5 to 2359Z, Feb 6
YL-ISSB QSO Party	1100Z, Feb 5 to 1700Z, Feb 6
Minnesota QSO Party	1400Z-2400Z, Feb 5
YLRL YL-OM Contest, CW	1400Z, Feb 5 to 0200Z, Feb 7
AGCW Straight Key Party	1600Z-1900Z, Feb 5
FYBO Winter QRP Sprint	1600Z-2400Z, Feb 5
Delaware QSO Party	1700Z, Feb 5 to 0500Z, Feb 6 and 1300Z, Feb 6 to 0100Z, Feb 7
Mexico RTTY International Contest	1800Z, Feb 5 to 1759Z, Feb 6
North American Sprint, SSB	0000Z-0400Z, Feb 6
ARCI Winter Fireside SSB Sprint	2000Z-2400Z, Feb 6
RSGB 80m Club Championship, SSB (Feb)	2000Z-2130Z, Feb 7
ARS Spartan Sprint (Feb)	0200Z-0400Z, Feb 8
KCJ Topband Contest	1200Z, Feb 10 to 1200Z, Feb 11
CQ WW RTTY WPX Contest	0000Z, Feb 12 to 2359Z, Feb 13
SARL Kid's Day	0700Z-0900Z, Feb 12
SARL Field Day Contest	1000Z, Feb 12 to 1000Z, Feb 13
Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 12
Dutch PACC Contest	1200Z, Feb 12 to 1200Z, Feb 13
YLRL YL-OM Contest, SSB	1400Z, Feb 12 to 0200Z, Feb 14
Louisiana QSO Party	1500Z, Feb 12 to 0300Z, Feb 13
OMISS QSO Party	1500Z, Feb 12 to 1500Z, Feb 13
FISTS Winter Sprint	1700Z-2100Z, Feb 12
British Columbia QSO Challenge	1800Z, Feb 12 to 1800Z, Feb 13
RSGB 1st 1.8 MHz Contest, CW	2100Z, Feb 12 to 0100Z, Feb 13
North American Sprint, CW	0000Z-0400Z, Feb 13
ARRL School Club Roundup	1300Z, Feb 14 to 0100Z, Feb 19
AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 16
RSGB 80m Club Championship, Data (Feb)	2000Z-2130Z, Feb 16

ARRL Inter. DX Contest, CW	0000Z, Feb 19 to 2400Z, Feb 20
RSGB 80m Club Championship, CW (Feb)	2000Z-2130Z, Feb 24
Russian PSK WW Contest	2100Z, Feb 25 to 2100Z, Feb 26
CQ 160-Meter Contest, SSB	0000Z, Feb 26 to 2359Z, Feb 27
REF Contest, SSB	0600Z, Feb 26 to 1800Z, Feb 27
UBA DX Contest, CW	1300Z, Feb 26 to 1300Z, Feb 27
Mississippi QSO Party	1500Z, Feb 26 to 0300Z, Feb 27
CZEBRIS Contest	1600Z, Feb 26 to 2400Z, Feb 27
North American QSO Party, RTTY	1800Z, Feb 26 to 0600Z, Feb 27
High Speed Club CW Contest	0900Z-1100Z, Feb 27 and 1500Z-1700Z, Feb 27
North Carolina QSO Party	1700Z, Feb 27 to 0300Z, Feb 28
CQC Winter QSO Party	2200Z, Feb 27 to 0359Z, Feb 28
March, 2005	
AGCW YL-CW Party	1900Z-2100Z, Mar 1
ARRL Inter. DX Contest, SSB	0000Z, Mar 5 to 2400Z, Mar 6
Wake-Up! QRP Sprint	0400Z-0600Z, Mar 5
Open Ukraine RTTY Championship	2200Z-2359Z, Mar 5 (Low Band) and 0000Z-0159Z, Mar 6 (Low Band) and 0800Z-1159Z, Mar 6 (High Band)
DARC 10-Meter Digital Contest (Mar)	1100Z-1700Z, Mar 6
RSGB 80m Club Championship, Data (Mar)	2000Z-2130Z, Mar 7
ARS Spartan Sprint (Mar)	0200Z-0400Z, Mar 8
Pesky Texan Armadillo Chase	0200Z-0400Z, Mar 10
RSGB Commonwealth Contest	1000Z, Mar 12 to 1000Z, Mar 13
AGCW QRP Contest	1400Z-2000Z, Mar 12
Oklahoma QSO Party	1400Z, Mar 12 to 0200Z, Mar 13 and 1400Z-2000Z, Mar 13
North American Sprint, RTTY	0000Z-0400Z, Mar 13
UBA Spring Contest, CW	0700Z-1100Z, Mar 13

CQ WW WPX Contest, SSB
UBA Spring Contest, 2m
Spring QRP Homebrewer Sprint
Low Power Spring Sprint

0000Z, Mar 26 to 2359Z, Mar 27
0600Z-1000Z, Mar 27
0000Z-0400Z, Mar 28
1400Z-2000Z, Mar 28

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

Revision Date: December 15, 2004

© 1998-2004 Bruce Horn, WA7BNM, All Rights Reserved

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.

**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: _____

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 Bill Hanold, N3304 Tipperary Point Rd., Poynette, WI 53955

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.madisondxclub.org>. You may contact us at scholarship@madisondxclub.org.

The MDXC (Madison DX Club) thanks you for your contribution to this important project.

.....