



The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

VOL. 25 – No. 09

September, 2004

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
Bud Morin K9ZT
Doug Ward W9DCQ

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!

The August FLARC meeting was replaced by the Fox Hunt / transmitter hunt, which started at 7:00 PM from the Red Cross (Sheboygan Ave) parking lot. John/K0ZYA was the fox; he was eventually located at a point in Reindahl Park, just on the inner edge of the 8 mile limit (according to the Rand-McNally Madison map scale of miles).

Don/W9IXG’s team managed to find the fox in 48 minutes with his high-tech detector; Team GOC (WN9GOC/W9GOC) found the fox and the mosquitoes the fox was entertaining about 8:30 PM local time. Bud has more details elsewhere in the Feedline.

Once again we’ve discovered that the Madison area is anything but a uniform RF propagation environment, and a second Fox Hunt has been proposed. Tentative date at this time is a Saturday in May, starting after the Middleton Zilch, and open to all area hams. That should give us a bit more daylight to use...

This month’s featured attraction will be “Something Completely Different”, as the nice fellow on Monty Python describes it. We are going to do some hands-on ham stuff. George/W9WUU has a transmitter that has been hand-fabricated from some early 1950’s plans - - it uses old fashioned electrons the size of marbles that live inside Vacuum Tubes. ☺ For those of you who wish to study up on the design before the meeting, it uses an 807 and 6AG7 tubes to do the important stuff. Anyway, George says that it doesn’t seem to have the RF output he was hoping for. The meeting will demonstrate the use of some modern (and some appropriately ‘vintage’) test equipment to discover things about the gain in the RF stage, do some component testing, voltage measuring, waveform observations, etc.

I’m told that the tuning procedure for the transmitter involves using a neon lamp to sense RF levels in the vicinity of the final - - while my contemporaries may remember doing things that way, some of these techniques will be new experiences for our younger members. We may also have a Hallicrafters receiver attending the

meeting so we can see what the well-equipped ham shack used for QSOs in the early 1950's.

Oh, and Don says he will also bring his Elecraft KX-1 along for show-and-tell. The KX-1 is a QRP level multi-band transceiver that demonstrates current technology - - digital frequency synthesis, variable bandwidth filtering, electronic keyer, etc. Don did the hand-fabrication of this radio - - a comparison between George's handiwork and Don's gives one an appreciation of how the state of the art has changed in a half century.

Upcoming activities - - Technician class at Space Place the weekend of the 18th-19th of September, with VE testing on Sunday afternoon (19th) starting about 3:00 PM. October 16-17 brings the Jamboree on the Air, where we hope to offer the area Scouts a chance to talk to Scouts via ham radio. Details on location are still being worked out, but we'll be looking for hams to help, either on site or as over-the-air contacts.

73,
Frederick

FLARC Treasurer Report 8/30/2004

Balance in the treasury is \$4,267.44.
Membership: 90 members.

Don, W9IXG

SK

One of our club members, Paul Nels Davig, WB9UKU, is SK. He died on August 26, 2004.

Fox Hunt

The Fox Hunt occurred on Tuesday, August 17 starting at 7 PM in place of the usual club meeting. The Fox was John Steffl, KOZYA, and Dave Marx,

N9GC. The Fox was hidden in the very southwest corner of Reindahl Park. This location is nestled between the Dane County regional Airport and East town Mall and is 7.9 miles from the starting point. The area is fairly high and free of reflections so it should have been an easy find. The one and only Dopler team of Don Michalski, W9IXG, and Bill Lang, K9ITW, found the Fox in 48 minutes. The next ham crew to get there were Elizabeth Baguhn, WN9G9C, and Frederick Baguhn, W9GOC. Next was the team of Brad Kleeman, WB9WHI, and Kevin Kolpitcke, K9EV. The team of William Baguhn, KC9ASI, and Sarah Baguhn, KC9CBT, were within several hundred yards of the Fox at several times, but needed "over-the-air" assistance to make the final location. There was was one other team. Their names won't be given but I have it on good authority that their initials are JH and BM. Very late they got as "close" as the East Side Woodman's, gave up, and went to J. P. Whitney's to have a good laugh over a beer.

BPL Information

The local chapter of the IEEE (Institute of Electrical and Electronics Engineers) will have its next monthly luncheon meeting on Thursday, September 16, at 11:15 AM to 1:00 PM at Rocky Rococo's, 7952 Tree Lane near Mineral Point Rd and the Beltline.

Guests are welcome.

SUBJECT: **BPL Presentation**

Topic Description

This presentation will provide an overview of the various broadband Power Line Communications technology alternatives including an overview of Ambient, Amperion, Current Technologies and Main.Net. The BPL technology will be explained in as simple terms as possible. The presentation will cover the applications that can be conducted over Broadband. "Real-life" stories from BPL deployments will illustrate key lessons learned - what has gone well and not so well.

The presenter will also provide an overview of the costs involved, alternatives for various business models, and comparisons of competing technologies such as satellite broadband Internet, 802.11b, 802.16, and spread spectrum radio – as well as an overall outlook on BPL.

Speaker:

Rick A. Schmidt (*Senior Communications Consultant*) Power System Engineering

Joined Power System Engineering in 2001, BS degree from the University of Wisconsin – La Crosse, and MBA from Cardinal Stritch University - Milwaukee, Wisconsin. Managerial and consulting experience with leading telecom companies over the previous twenty years. Actively managing data communication projects for utilities including: wireless SCADA system infrastructure selection, two-way mobile radio technology selection, and wireless workforce management implementation, and BPL.

See URL:

<http://www.bugsoft.com/ieee/meetings.html> for information.

If you plan to eat there, please RSVP according to the above URL or to Bud Morin, K9ZT but not both. The price is \$10 (pizza, salad, bread, and refreshments).

More on BPL:

Princeton, IL plans to put in BPL. From the URL: <http://www.bcrnews.com/articles/2004/08/20/news/news2.txt>:

Princeton defends broadband choice
By Donna Barker BCR Staff
PRINCETON -- The city of Princeton says it knew what it was doing when it chose to provide high speed Internet service through broadband over power lines. Jason Bird, superintendent of Princeton's Electric Distribution Department, said Friday the city has done its research into the broadband over power lines project.

During the last two Princeton City Council meetings, members from the American Radio Relay League have questioned the city's choice of BPL, saying the broadband lines would cause too much interference to other radio frequencies, including ambulance, law enforcement and aviation communication systems. According to the objectors, BPL programs in four test sites have already been closed. Bird disagreed with those and other statements given by the ARRL. In a press release issued Friday morning, Bird said the city has contacted the Illinois State Police, and their officials say they are unaware of any complaint filed with the Federal Communication Commission about BPL interference in Illinois. The state police have even accepted an invitation to observe the BPL pilot project in Princeton, Bird said. Bird said he has also contacted BPL test site officials at Manassas, Va., which according to some opponents to the project, had shut down its BPL system due to interference problems. Bird said Manassas has not shut down its system and has not had interference issues. Manassas has actually hooked up several hundred customers to the BPL system, Bird said. Bird also questioned whether Manassas, which is about 20 miles from Dulles Airport in Washington, D.C., could have operated its BPL system, if it had caused interference problems with the Dulles Airport radio frequency system.

According to Bird, the North Carolina BPL test site will not be shut down because of interference problems, but because the city has been unable to identify a partner to serve as an Internet Service Provider. The North Carolina project was tested for interference by the Deputy Chief of the Federal Communication Commission because of complaints issued by ham operators, Bird said. No interference was detected, Bird said. "The city of Princeton has done its homework on this project," Bird said. "Documents from commissioners of the FCC can be provided showing their support for this technology." Bird said FCC chairman Mike Powell recently said the future is bright for powerline broadband.

Princeton Electric Department crews are getting ready to install a fiber optic

system as the inner core for Princeton's high speed Internet telecommunications systems. The city will receive 66,000 feet of fiber optic lines in the next few days. City crews will then be trained and then install the 11 miles of fiber optic lines, a job Bird hopes to begin by Sept. 7. Bird would like to see it completed by the end of September. The fiber optic system will provide the core base for the city's high speed telecommunication system with a more extensive BPL test program of 50 customers. Bird said he'd like to see that pilot project begin by the end of the year. The BPL test program will last as long as necessarily, probably run 30 to 120 days, he said. The BPL test program will focus on businesses on both sides of Main Street, from Warren Street to Central Avenue. According to Bird, the city of Princeton and its local Internet Service Provider, Connecting Point of Peru, have not yet determined the monthly cost to customers for BPL service. Manassas and Cinergy, another BPL project site, are charging its customers less than \$30 per month for high speed broadband. Bird said he expects Princeton to remain in the same ball park as other BPL sites. Bird said he hopes BPL could be available city-wide by May or June.

Unsung Heroes

Date: Fri, 03 Sep 2004

From: The ARRL Letter, Vol 23, No 35

* "The Beeb" to air program on Amateur Radio and 9/11: BBC Radio 4 this weekend will air a documentary on Amateur Radio's involvement in the September 11, 2001, terrorist attacks. The half-hour program, "Unsung Heroes," will be broadcast Saturday, September 4, at 1030 UTC. It will remain available on the BBC's archives for one month after that. "Through moving interviews, sensitive use of ham radio transmissions and some harrowing accounts, 'Unsung Heroes' reveals the little-known story of the 9/11 ham radio operators who provided vital communication networks for the rescue agencies," the BBC program listing says. "Hams, often mocked for their obsessive hobby,

believe that September 11th became Amateur Radio's finest hour. Stephen Evans, the BBC's North American Business Correspondent, witnessed the attacks that day and meets with ham operators who witnessed the terrorist attacks or lost friends and relatives on September 11th and still helped to support the search-and-rescue operation." Mark Phillips, KC2ENI/G7LTT, says the program, produced by Kate Bissell, features N2NOV, KF2EO, KE2UN, AB2IZ, "and a whole host of others," including himself. It was recorded during the last week of June. The program also be available in MP3 format on Phillips' Web site <<http://www.g7ltd.com/audio-files/911r4.mp3>> starting September 4. Unless you have broadband, this will take a long time to load. An easier way to listen is: <http://www.bbc.co.uk>. Then > E-Z Index > Archives > Radio 4 > Unsung Heroes.

CWRA SwapNet

The CWRA Sunday Morning SwapNet (146.880) 10:00 AM local time, is in need of an additional Net Control Station. This is a very popular net where ham radio equipment, parts and information are exchanged, and occasional announcements of upcoming events are heard.

Net control stations take turns; if a fourth operator will step forward, your rotation will come up once every 4 weeks.

There are exceptions to the schedule; weekends with 'local' hamfests or holidays are "pass" weekends, so the net control operators can participate in the hamfest or holiday festivities without feeling tethered to their transceivers.

Details, operating procedures, etc can be discovered by contacting Ed/N9MW ; ed@n9mw.com , or catch him (or another net control station) on the air on Sunday mornings, 146.880 MHz (minus offset, PL 123.0 Hz)

Technician Class

There will be a Technician License Workshop September 18 and 19 at the Space Place, 1605 S. Park St., Madison, WI 53715.

The workshop schedule is:
Saturday, September 18, 8 AM to 5 PM;
Sunday, September 19, 9 AM to 5 PM.

A Technician license exam, plus an optional 5 wpm code test, will be given from 3-5 PM on that Sunday. If you want to take the exam (and why not? You'll never be better prepared!) The FCC-required fee is \$12.00. For more information:

Don Michalski, W9IXG
Coordinator
(608)263-4685 (day)
(608)274-1886 (evenings)
W9IXG@arrl.net.

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. 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

There was no buck night.

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.

Birthdays

September:

- 3 W9RAL—Steven Elliott
- 5 NK9U—Eldon Boehm
- 12 WB9RNJ—Paul McFee
- 13 KG9FL—Gary Dennis
- 16 W9WUU—George Shands
- 22 KC9AQG—Pierre Munson
- 23 K0ZYA—John Steffl
- KG9NI—Ernest Stracener
- 29 KA9VHG—Jim Anderson

October:

- 9 K9ZT—Bud Morin
- 10 KA9MTH—Timthy Gable
- 26 N9CHN—Bill Hanold
- 31 W5ECC—Wesley French

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.

FLARC has RG-213 in stock for 47 cents per foot.
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.

WA7BNM 13-Month Contest Calendar Last updated August 22, 2004

Please send corrections and additions directly to Bruce Horn, [WA7BNM](#)

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.

September, 2004

All Asian DX Contest, Phone	0000Z, Sep 4 to 2400Z, Sep 5
Russian RTTY WW Contest	0000Z-2400Z, Sep 4
Wake-Up! QRP Sprint	0400Z-0600Z, Sep 4
IARU Region 1 Field Day, SSB	1300Z, Sep 4 to 1259Z, Sep 5
RSGB SSB Field Day	1300Z, Sep 4 to 1300Z, Sep 5
AGCW Straight Key Party	1300Z-1600Z, Sep 4
DARC 10-Meter Digital Contest	1100Z-1700Z, Sep 5
MI QRP Labor Day CW Sprint	2300Z, Sep 6 to 0300Z, Sep 7
ARS Spartan Sprint	0100Z-0300Z, Sep 7
YLRL Howdy Days	1400Z, Sep 8 to 0200Z, Sep 10
WAE DX Contest, SSB	0000Z, Sep 11 to 2359Z, Sep 12
CIS DX Contest, RTTY	1200Z, Sep 11 to 1200Z, Sep 12
Swiss HTC QRP Sprint	1300Z-1900Z, Sep 11
ARRL September VHF QSO Party	1800Z, Sep 11 to 0300Z, Sep 13
North American Sprint, CW	0000Z-0400Z, Sep 12
Tennessee QSO Party	1800Z, Sep 12 to 0100Z, Sep 13
ARCI End of Summer PSK31 Sprint	2000Z-2400Z, Sep 12
ARRL 10 GHz and Up Contest	0600 local -2400 local , Sep 18 and 0600 local -2400 local , Sep 19
SARL VHF/UHF Contest	1000Z, Sep 18 to 1000Z, Sep 19
Scandinavian Activity Contest, CW	1200Z, Sep 18 to 1200Z, Sep 19
Collegiate QSO Party	1200Z, Sep 18 to 0400Z, Sep 19
Med. Islands Award Contest	1200Z, Sep 18 to 1200Z, Sep 19
South Carolina QSO Party	1300Z, Sep 18 to 2100Z, Sep 19
QRP Afield	1500Z, Sep 18 to 0300Z, Sep 19
Washington State Salmon Run	1600Z, Sep 18 to 0700Z, Sep 19 and 1600Z-2400Z, Sep 19
QCWA QSO Party	1800Z, Sep 18 to 1800Z, Sep 19
North American Sprint, SSB	0000Z-0400Z, Sep 19

144 MHz Fall Sprint	1900 local -2300 local , Sep 20
CQ Worldwide DX Contest, RTTY	0000Z, Sep 25 to 2400Z, Sep 26
Tesla Cup, Phone	0000Z-2400Z, Sep 25
Scandinavian Activity Contest, SSB	1200Z, Sep 25 to 1200Z, Sep 26
Arkansas QSO Party	1400Z, Sep 25 to 0600Z, Sep 26 and 1800Z, Sep 26 to 0200Z, Sep 27
Texas QSO Party	1400Z, Sep 25 to 0200Z, Sep 26 and 1400Z-2000Z, Sep 26
AGCW VHF/UHF Contest	1600Z-1900Z, Sep 25 and 1900Z-2100Z, Sep 25
Alabama QSO Party	1800Z-2400Z, Sep 25
Tesla Cup, CW	0000Z-2400Z, Sep 26
UBA ON Contest, 6m	0600Z, Sep 26 to 1000Z, Sep 6
Fall QRP Homebrewer Sprint	0000Z-0400Z, Sep 27
222 MHz Fall Sprint	1900 local -2300 local , Sep 28

October, 2004

TARA PSK Rumble Contest	0000Z-2400Z, Oct 2
Oceania DX Contest, Phone	0800Z, Oct 2 to 0800Z, Oct 3
EU Autumn Sprint, SSB	1500Z-1859Z, Oct 2
California QSO Party	1600Z, Oct 2 to 2200Z, Oct 3
UBA ON Contest, SSB	0600Z-1000Z, Oct 3
RSGB 21/28 MHz Contest, SSB	0700Z-1900Z, Oct 3
German Telegraphy Contest	0700Z-0959Z, Oct 3
ARS Spartan Sprint	0100Z-0300Z, Oct 5
YLRL Anniversary Party, CW	1400Z, Oct 6 to 0200Z, Oct 8
432 MHz Fall Sprint	1900 local -2300 local , Oct 6
SARL 80m QSO Party	1700Z-2000Z, Oct 7
Makrothen RTTY Contest	0000Z-0800Z, Oct 9 and 1600Z-2400Z, Oct 9 and 0800Z-1600Z, Oct 10
Oceania DX Contest, CW	0800Z, Oct 9 to 0800Z, Oct 10
EU Autumn Sprint, CW	1500Z-1859Z, Oct 9
Pennsylvania QSO Party	1600Z, Oct 9 to 0500Z, Oct 10 and 1300Z-2200Z, Oct 10
FISTS Fall Sprint	1700Z-2100Z, Oct 9
North American Sprint, RTTY	0000Z-0400Z, Oct 10
10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 10
UBA ON Contest, CW	0600Z-1000Z, Oct 10
YLRL Anniversary Party, SSB	1400Z, Oct 13 to 0200Z, Oct 15
JARTS WW RTTY Contest	0000Z, Oct 16 to 2400Z, Oct 17
Microwave Fall Sprint	0600 local -1300 local , Oct 16
Worked All Germany Contest	1500Z, Oct 16 to 1459Z, Oct 17
Asia-Pacific Fall Sprint, CW	0000Z-0200Z, Oct 17

UBA ON Contest, 2m	0600Z-1000Z, Oct 17
RSGB 21/28 MHz Contest, CW	0700Z-1900Z, Oct 17
W/VE Islands QSO Party	1600Z, Oct 23 to 2359Z, Oct 24
50 MHz Fall Sprint	2300Z, Oct 23 to 0300Z, Oct 24
FISTS Coast to Coast Contest	0000Z-2400Z, Oct 24
CQ Worldwide DX Contest, SSB	0000Z, Oct 30 to 2400Z, Oct 31
10-10 Int. Fall Contest, CW	0001Z, Oct 30 to 2359Z, Oct 31
ARCI Fall QSO Party	1200Z, Oct 30 to 2400Z, Oct 31

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

Revision Date: August 22, 2004

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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.

**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.

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