



# FOND DU LAC AMATEUR RADIO CLUB

## — FDL 73 —



VOLUME 17 ISSUE 1

www.fdlhams.org January, 2016

Join Us On Sunday Evenings For Our Weekly Net — 1930 hrs. 145.430 MHz — Tone 97.4 Hz

### 2015 Club Officers

President: Dave McCumber N9WQ  
Vice-President: Tom Powell, KC9VXR,  
Secretary: Lloyd Vandervort N9RPU  
Treasurer: Doug Schultz N9EZF  
Sergeant-at-Arms: Ron Keller, KC9YVL

Board Member: Peter Fox  
Board Member: Stan Cram A10M  
Board Member: Larry Mielke KC9RUE

### Committee Chairs

Contesting :  
Education/Scholarship: Jack Heil KG9IN  
Field Day: Jack Heil KG9IN  
Fund Raising: Open  
Net Manager: Doug Schultz N9EZF  
Newsletter: Dick Finn KC9ZVW  
Public Service: Ed Beltz N9PJQ  
Publicity/Program: Joe Scheibinger K9VY  
Repeater: Lloyd Vandervort N9RPU  
Testing: Doug Schultz N9EZF  
Truck: Brad Freund KC9QYP  
TVI: Lloyd Vandervort N9RPU  
Web Site:

Each committee has several members. If you are interested in serving on a committee, please contact the chairperson and volunteer your services.

### Mailing Address

Fond du Lac Amateur Radio Club, Inc.  
PO Box 53  
Fond du Lac, WI 54936-0053  
E-mail: fdlhams@fdlhams.org

**Newsletter  
Submissions:**  
Please email to  
rfinn5@hotmail.com

### From Our Presidents Desk By Dave McCumber

Hello Members of the Fond du Lac Amateur Radio Club. My Name in case you missed it is Dave McCumber My Call is N9WQ and I have Been an Active Member of the Club since 1992.

W0here with the help of SK members Paul Beard KF9GF Bob Smith W9EBV And Current Member's Doug Schultz N9EZF Lloyd Vandervort N9RPU And the List goes on!! They taught a class somewhat like the ones they do today and Taught me how to be A Good Ham!!

I was the President of the club Back in I think it was around 1998 and as Most Recently a few terms on the Board of Directors.

I am an Avid Collector of Vintage (Primarily Hallicrafters) radio gear also dabbing in the early St. James Collins A-Line Stuff. I love CW and Digital and Am on the Air every Day Mostly on 75M 3.850 to be specific. And Also Am involved with the North Fond du Lac Repeater Assoc. And Have A Repeater on 443.875 PI100.0. I love building Antennas or SKY HOOKS as I like to call them and hope to share with you all anything that I can as your 2016 President

David McCumber N9WQ



### Next Meeting

**When:** Jan. 11, 2015 at 7:00 pm

**Where:** Moraine Park Technical College  
Room A-112

**Program:** General Business,  
Tim Duffy K3LR from DX Engineering  
**Annual Dues are Due**



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### January Meeting Program

### Tim Duffy K3LR from DX Engineering

By Joe Scheibinger

On Monday January 11th, Tim Duffy, one of the world's most accomplished Ham Radio enthusiasts and Chief Operating Officer of DX Engineering, will be speaking at the Fond du Lac Amateur Radio Club meeting located at the Moraine Park Technical College in room A-112 at 7:00 PM. Everyone is invited and there is no cover charge.

Tim has been with DX Engineering for 2.5 years. Before that he was Chief Executive Officer at Stelera Wireless for 4 years, Senior Vice President at AT&T for 2 years, and Chief Technology Officer at Cellular One for 8 years.

Duffy's first on-the-air operating event was ARRL Field Day in 1972. Five months later, he operated in his first contest, the ARRL November CW Sweepstakes, beginning a well-celebrated Amateur Radio contest career. "I operated as a single operator in the Novice category," he said, "racking up a whopping 172 contacts. Even though I didn't do well in the QSO department, I was hooked on contesting and found I wanted to do more of it." Duffy did indeed "do more of it," going on to win the North American CW Sprint Contest in 1979, 1981 and 1984. He also won the ARRL 160 Meter Contest in 1980 as a single operator and again in 1992 as part of a multi-operator team. In 1988, he was the top USA single operator in the ARRL International DX SSB Contest. In 1999, Duffy began what he is best known for: the K3LR Multi/Multi Team. From Duffy's contest station in Western Pennsylvania, he has hosted almost 60 Multi/Multi team operations with more than 100 different operators participating, making more than 400,000 contacts through the years.



Duffy served as the Atlantic Division representative on the ARRL Contest Advisory Committee, with two years as chairman. He was also a member of the CQ World Wide Contest Committee for 20 years, assisting with log checking and other special projects. For almost 30 years, Duffy has been the moderator of the ever-popular Antenna Forum at the Dayton Hamvention.

Beginning in 2007 in Dayton, he pioneered Contest University (CTU); since then, CTU has been presented in England and Italy. Under Duffy's chairmanship of CTU, more than 1000 hams have graduated from CTU. For the past 25 years, he has coordinated the Contest Super Suite during the Dayton Hamvention, as well as the annual Contest Dinner since 1993.

Duffy has represented the USA in the World Radio Sport Team Championship four times: 1996 in San Francisco, Finland in 2002, Brazil in 2006 and Russia in 2010. He is an ARRL Life Member and a Platinum Member of the ARRL Diamond Club. Duffy is a member of the Institute of Electrical and Electronic Engineers (IEEE) and serves on the Board of Directors of the World Wide Radio Operators Foundation (WWROF). He was elected into the CQ Contest Hall of Fame in 2006.

The Radio Club of America (RCA) has named Tim Duffy, K3LR, of West Middlesex, Pennsylvania, as the recipient of its Barry Goldwater Amateur Radio Award. The Goldwater Award is given to an RCA member who is also a licensed amateur in recognition of a long record of service to the public through the use of Amateur Radio. He will receive the award at the RCA's 101st annual awards banquet held this November in New York City. "I am humbled and thankful to receive this award," Duffy told the ARRL. "My entire life has been shaped by wireless communications -- and the people who have helped me along the way. I believe it is very important to give back to Amateur Radio and to the professional wireless communities. I am committed to helping others enjoy this opportunity as much as I have." K3LR and Amateur Radio





### January Meeting Program

### Tim Duffy K3LR from DX Engineering (cont.)

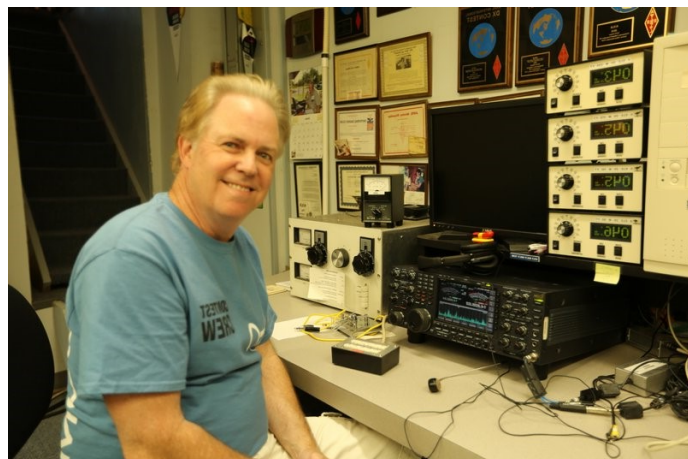
By Joe Scheibinger

First licensed at age 12 in 1972 as WN3SZX, Duffy got hooked on Amateur Radio "because I thought it was cool. I don't think I have ever lost that excitement in the almost 40 years since!"

At the age of 15, shortly after earning his First Class Commercial Radiotelephone license -- he was hired as Chief Engineer for a local AM/FM radio station. One week after he started, the FM exciter broke, so the station manager called Duffy in to fix it. Unfortunately, this happened on a school day, so he had to be called out of algebra class to go make the repair. Luckily, the teacher let him go, as long as he made up the work!

Growing up, Duffy wanted to become a doctor so he could afford his dream station. But early on, electronics held him under its spell. He attended Penn State with the idea of becoming a doctor, but three years into the program, he found he just couldn't do it, so he switched his major to electrical engineering.

"In 1985, I interviewed for an engineering management position at a local TV broadcast station, a CBS affiliate," Duffy told the ARRL. "Now for someone who had grown up in broadcast radio, television was quite a step up. During the interview, the company mentioned that there was a new position open in engineering, building a cellular network in Eastern Ohio. They told me that the job was so new, that there was no description and that cellular might be a 'bust.' There were no guarantees how long



the job would last. My close friend, Bill Wallace, K3SVO (SK), advised me to take the job and go into cellular, and that if it did not work out, I was young enough to get back into TV. The rest is history."



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### January Meeting Program Tim Duffy K3LR from DX Engineering (cont.) By Joe Scheibinger

In 1999, he moved to Oklahoma where he was the Chief Technology Officer and Senior Vice President at Dobson Communications Corporation (Cellular One). In 2007, Dobson merged with AT&T and Duffy then served as AT&T's Executive Director in the Network Planning and Engineering Group. In 2009, he left AT&T to join Stelera Wireless as its Chief Technology Officer where he is responsible for the company's technology direction, subscriber product development, engineering related operations and network build out.

ARRL President Kay Craigie, congratulated Duffy. "Your personal accomplishments in technical and operating activities are outstanding. What is even more to be commended is your unfailing generosity toward others in sharing your knowledge and offering opportunities to operate a world-class station. Your effort to help others improve their Amateur Radio expertise is an example to be emulated."



Click here to see Tim Duffy's jaw dropping astonishing Ham Radio Shack! <https://youtu.be/wlXu7Q3h8RI>

To see a flyby of Tim's antenna farm, click here!  
[https://youtu.be/SA\\_NG-bVQuc](https://youtu.be/SA_NG-bVQuc)

Would you like to have an antenna like this in your back yard!  
<https://youtu.be/nbQstlfnYh8>

### HAM Of the Year

At our annual Christmas Party Joe Scheibinger was presented with the HAM of the Year award.

To those who have been attending the meetings during the year the reason for the award is obvious. Joe has made a huge effort on our behalf to arrange a variety of interesting programs for our meetings.

Several times during the year Joe went above and beyond the call of duty. Certainly the most spectacular program was when he arranged for us to travel to Green Bay for a tour of the WBAY studios.

Joe also arranged for a SKYPE presentation by one of the better known HAMS in the country, Bob Heil. This included a raffle of a







### FDLARC 2015 Christmas Party



A hearty “atta-boy” goes to our outgoing President, Buddy Larson for doing a bang up job on the annual Christmas Party on December 13th. As with last year, the party was held at Jim and Linda’s Lakeview Supper Club at Calumet Harbor. They provided us with a selection of their most favored menu items all for only \$20 per head.

We tookover their main dining room with very little space to spare. After some time for drinks and socializing, we placed our dinner orders and were served promptly. After dinner, Buddy acted as MC for the annual Christmas gift exchange. This is always a great opportunity to have some fun. The first person picked out a present from the pile and opened it. The second person had the opportunity to either take the first persons gift or to select a new one.

Surprisingly, at least to me, was that a box containing several cans of SPAM was in great demand. I think the gift most likely to be re-gifted next year was a hand made scarf.

The club purchased two Bao Feng HTs for door prizes. They were won by Buddy Larson and Rick Robinson. We also purchased several AES gift certificates for prizes. I’m afraid I didn’t get the names of the winners.



*I would have liked to caption each picture with the names of the people in them, unfortunately, while I know most of you, I just don’t know everyone. Maybe next year I can do better. If any of you want a copy of a specific picture, please let me know and I will email the picture to you.*







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*Candy seemed to be a popular gift.*



*This scarf was re-gifted from last year and seems to be a likely candidate for a re-gift next year.*



*His bottle of wine is definitely a gift that will be enjoyed.*





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### What would Wayne (Green) do?

By Dan Romanchik, KB6NU

Wayne Green was a crackpot...but he was a great one.

For those of you who aren't as old as I am, Wayne Green, W2NSD, was not only the publisher of 73 Magazine, but also the founder of Byte and other PC magazines in the early days of personal computing. In 73, he would write these long, rambling editorials. Often, he would take the ARRL to task, criticizing what he thought to be some lunk-headed policy or another.

Just as often, he'd be encouraging hams to take up some new technology. He was, for example, one of the guys driving hams to set up repeater systems.

He would often exhort hams to get started in their own technology-related business. I remember one column where he urged hams to get involved in the home-security business. And, of course, when personal computers became popular, he wrote that hams should think about getting into that business. His reasoning was that our knowledge of electronics would stand us in good stead in those businesses.

Today, I think that he would be telling us to get more involved in with technologies like the Internet of Things, WiFi, or whatever other wireless technology is coming down the pike. "Wireless" is the key word here. These networking technologies are based on good, old radio, and who better to push these technologies forward than guys like us who understand radio.

This point was brought home to me last week as I was interviewing an executive of a wireless company for an article that I'm writing. He said to me that many of the companies he works with are taking a software-centric view to their wireless products. They simply use the reference designs provided by the wireless chip makers and expect those designs to work flawlessly in their products.

While they often do, he gave me an example where simply using the reference design was a colossal failure. In one case, he said, the company mounted the board inside a metal enclosure. Since the antenna was part of the printed-circuit board, the enclosure acted like a shield, and of course, the device had little or no range.

He went on to say that he thought that there was a real shortage of experienced RF guys in the wireless industry. Does that sound like an opportunity to you? It does to me. So, I'm going to make like Wayne Green here and exhort all you guys to get out there and take advantage of it.

This is not only a business opportunity, but a way for amateur radio operators to fulfill a couple of the "purposes" of amateur radio, as set forth in Part 97.1 of the amateur radio regulations. Part 97.1(b) says that one of the purposes of the Amateur Radio Service is "Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art." According to Part 97.1(d), another purpose of the Amateur Radio Service is "Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts."

Let's do it!

When he's not ruminating on the latest wireless technologies, KB6NU likes to make use of some vintage wireless technologies by working CW on the HF bands. He's also a prolific blogger ([www.kb6nu.com](http://www.kb6nu.com)) and the author of the "No Nonsense" amateur radio license study guides ([www.kb6nu.com/study-guides](http://www.kb6nu.com/study-guides)). If you have a comment or a question, email him at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).





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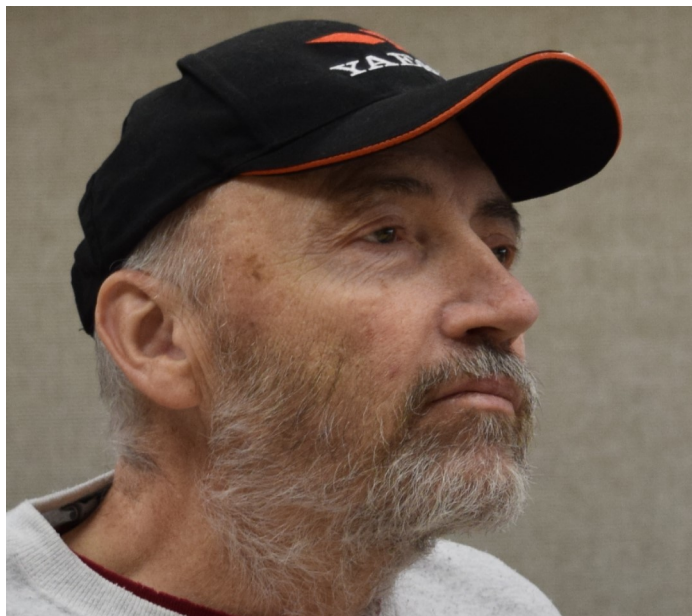
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### Randall Gruenewald Lifetime Achievement Award



During the past year we lost a long time valued member of our club when Randy Gruenewald passed away. Randy was heavily into contesting and was a leader with organizing our participation in the Wisconsin QSO party as well as coordinating the annual ARRL Field Day.



We will all miss working with him.

The Club Board has decided to establish a Lifetime Achievement Award in honor of Randy with the first recipient being Randy himself.

This award will be given out as members recognize a substantial contribution from a member occurring over many years.

Many thanks to you, Randy, for all you have done.

### From the Internet

I received the following link from Joe Scheibinger. The fellow appears to be doing a “how to” video and it seems that he is having one accident after another. I can’t picture someone this inept but it looks real.

<https://www.facebook.com/867371926689177/videos/921172871309082/?fref=nf>

Did you ever wonder what makes a HAM different—see below—It’s the KNACK.

<https://www.youtube.com/watch?v=60P1xG32Feo>

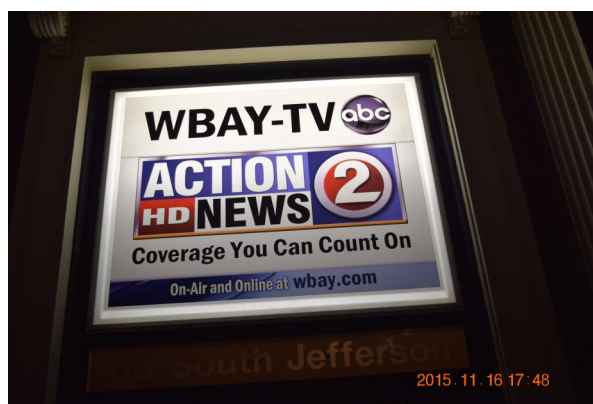
### WBAY

#### By Joe Scheibinger

Rex from WBAY has sent us the video he provided during the tour! Rex and Art went out to the transmitter site and shot this video especially for the members of FARC! If you haven't seen it yet, it provides as a jaw dropping video showing exactly what it takes to put a major TV station on the air! We will be going out to see the incredible antenna farm this summer. The video has been put on YouTube using an unlisted setting. It doesn't show up when you search the site. I will take it down in a few weeks so please take a look at it as soon as you can.

Hope you enjoy the YouTube video of the WBAY antenna farm!

[https://youtu.be/NnZ21O\\_6HvA](https://youtu.be/NnZ21O_6HvA)







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### NOTICES/ANNOUNCEMENTS

#### Elmers:

It has come up several times recently that there is a need for our more experienced members to act as Elmers for the newer HAMs in the club. The first time this came up I got linked up with Jack Heil (KG9IN) and have spent many enjoyable hours with him. I've learned about hanging an antenna, contesting and a week or so ago got a super tour of my Yeasu FTDX1200. Most importantly, I finally got on the air.



#### ELMERS

Lloyd Vandervort (N9RPU)	lloydv654@gmail.com
Doug Schultz (N9EZF)	n9ezf@fdlhams.org
David McCumber ((N9WQ)	n9wq@charter.net
Marj & Jack Heil (KC9BEN, KG9IN)	heilmj@att.net 920-9221413
Rick Robinson (N19Z)	920-924-9559 Code, DX'ing, Contesting

At the April meeting we collected the names of several members who were willing to act as Elmers and the names of several others who would like their help. With a goal of linking the two I have listed the names below. I offer it as an exercise for the student to match Column A to Column B.

#### SEEKING HELP

Paul M. Bleuel (KC9NAA)	920-921-6015
-------------------------	--------------

—30—



#### Club Nets

Sunday Evenings - Open to all  
6:15 pm Ten Meter SSB Net-28.450 MHz  
7:30 pm Two Meter FM Net-145.430 MHz  
PL 97.4



#### FDL County ARES Net

Sunday Evenings

For ARES Team Members. Now combined  
with the Club Net at 7:30 pm.  
ARES Coordinator: Todd Beay (AC9EX)



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#### Code Class By Rick Robinson

Rick will be at the next meeting to discuss progress of the students in his code classes and his plans to start a new class for those interested.

Thanks  
Rick



#### Dues are Due

As a reminder to all everyone, the 2016 dues are due :-). Please either bring your dues to the next meeting or mail them to:

The Fond du Lac Amateur Radio Club  
P.O. Box 53,  
Fond du Lac, WI 54936

Individual membership dues are \$15 and family memberships are \$20.

#### Newsletter Deadlines

Generally speaking, I will be publishing the newsletter each month on the Monday before our monthly meeting. I start assembling it during the preceding week. Obviously I would like to have the material as early as possible but the deadline will have to be on that Friday.

22	23
<b>Deadline!</b>	
29	30

All material submitted should be sent to Dick Finn at [rfinn5@hotmail.com](mailto:rfinn5@hotmail.com),

Following are the pertinent dates I'll update this table and print it in each month's newsletter):

	Publish Date	Deadline Date
Feb., 2016	2/4/16	1/30/16
Mar., 2016	3/7/16	3/5/16

#### License Exams By Doug Schultz



We will be hosting license exams on Feb. 20, 2016 from 9:00 am to Noon at Moraine, Park Technical College in Room O-104. If you know of anyone who is interested in getting their ticket, please give them a call. For that matter, you might want to consider upgrading your license to General or Extra. You still have time to study for the exams.



"Electricity originates inside clouds. There, it forms into lightning, which is attracted to the Earth by golfers. After entering the ground, the electricity hardens into coal, which, when dug up by power companies and burned in big ovens called 'generators,' turns back into electricity...where it is transformed by TV sets into commercials for beer, which passes through the consumers and back into the ground, thus completing what is known as a "circuit".....Dave Barry





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### Free, For Sale or Wanted

#### Logo Ware:

Last spring many members ordered polo shirts with the club logo on the back and name and call sign over the pocket on the front. The screen printing company, "Imagineers" in Ripon, has the logo and will print it on many items such as tee shirts, polo shirts, jackets, etc. The prices are reasonable. They do not need a minimum order and will do one item if it is paid for in advance.

You can call them to order a polo shirt like members got last year or another item, give a credit card number if you do not want to travel to Ripon, Tom Powell, KC9VXR, who lives in Ripon is willing to bring them to FDL at the next meeting or event. Or, you can come to their store in Ripon to see the many choices they can offer from a wide variety of clothing manufacturers.

Contact information is listed below. Due to the many manufacturers they buy from the options are too numerous to put on a website. They do a lot of business with schools in the area also. There are other options for purchase of club logo wear but this company was chosen last year for their prices, quality, the large variety of items, their good service, and willingness to do small orders.

Imagineers  
Howard and Jane Hansen, owners  
217 Watson St.  
Ripon, WI, 54971  
(920) 748-6599





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### 2016 CALENDAR

**Jan. 11, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Feb.. 8, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Feb. 20, 2016**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104



**Mar. 13 & 14, 2016**

Wisconsin QSO Party



**Mar. 14, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Apr. 11, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Apr. 16, 2016**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104



**May 9, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**May 20 thru 22, 2016**

Dayton HAMFEST

**May, 2016**

Brat Fry at the Country Corners Exxon station in Lomira



**June 13, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**June 25 & 26, 2016**

ARRL Field Day, 1800 UTC Saturday and running through 2059 UTC Sunday

**July 11, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Aug. 8, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.

**Aug, 2016**

Race the Lake



**August, 2016**

Brat Fry at the Country Corners Exxon station in Lomira

**Sept. 12, 2016**

FDL ARC Monthly Meeting, 5:00 pm, Annual Picnic,



**Sept, 2016**

Fox Cities Marathon



**Oct. 10, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112

ing, 7:00 pm,

**Oct, 2016**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104



**Nov., 14 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112.  
General Business Meeting, Election of 2016 Officers

**Dec. 6, 2016**

FdL Parade of Lights, 4:00, Downtown



**Dec. 12, 2016**

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room A-112

**Dec, 2016**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104



**Dec, 2016**

Christmas Party,







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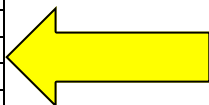
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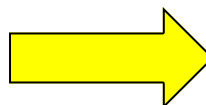
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### FDL ARC ROOSTER

Name  
Sort



Call  
Sort



Barbara Simon	W9MER
Bowen Blend	KC9VXV
Brad Freund	KC9QYP
Brian Turkiewicz	KC9LFR
Buddy Larson	KC9UVJ
Chuck Mahnke	K9HXI
Cully Kowal	KS0D
Danny Vandekolk	KC9IGD
David Mc Cumber	N9WQ
David Zittlow	K9DUI
Dawn Krause	KD9CAW
Dean Choate	KC9TGM
Dennis Paulin	KB9OFM
Dick Finn	KC9ZVW
Don Chapman	KC9KZQ
Donna Blend	KC9TFN
Dot Olig	K9FDL
Doug Murray	KC9ZVT
Doug Schultz	N9EZF
Doug Wagner	KC0RNS
Ed Beltz	N9PJQ
Ed Steinfeld	KB1ZJK
Edward Frac	AA9WW
Fernando Salazar	KC9ZVX
Gene Olig	KD9ZP
Gerry Radtke	WA9GON
Gregory Schmude	KD9EHB
Jack Heil	KG9IN
Jim Balthazor	K9AIX
Jim Cole	N9WAP
Joe Lauber	KC9MDY
Joe Scheibinger	K9VY
Joyce Keyes	KC9KIJ
Kirk Everson	KC9FZE
Larry Lamont	KB9POP
Larry Mielke	KC9RUE
Lloyd Vandervort	N9RPU
Lori Winchel Beltz	KC9YQS
Louis Simon	KB9VQM
Marjean Buck	KC9LFI
Marjorie Heil	KC9BEN
Matt Nett	KD9BBN
Mike Keyes	KE7ES
Mike Miller	KC9DOA
Nancy Myers	K9ANA
Neal Buck	KC9LFN
Paul Bleuel	KC9NAA
Peter Fox	KB9WZD
Randy Nelson	KC9MYG
Ray Grenier	W9KHW
Rick Robinson	NI9Z
Ron Keller	KC9YVL
Stan Cram	AI0M
Ted Neuburg	W9LUQ
Ted Willett	W9NHE
Todd Beay	AC9EX
Tom Karrmann	KC9VZY
Tom Powell	KC9VXR
Tony Pass	KC9QYR
Walter Rueger	KC9WQ

Edward Frac	AA9WW
Todd Beay	AC9EX
Stan Cram	AI0M
Jim Balthazor	K9AIX
Nancy Myers	K9ANA
David Zittlow	K9DUI
Dot Olig	K9FDL
Chuck Mahnke	K9HXI
Joe Scheibinger	K9VY
Ed Steinfeld	KB1ZJK
Dennis Paulin	KB9OFM
Larry Lamont	KB9POP
Louis Simon	KB9VQM
Peter Fox	KB9WZD
Doug Wagner	KC0RNS
Marjorie Heil	KC9BEN
Mike Miller	KC9DOA
Kirk Everson	KC9FZE
Danny Vandekolk	KC9IGD
Joyce Keyes	KC9KIJ
Don Chapman	KC9KZQ
Marjean Buck	KC9LFI
Neal Buck	KC9LFN
Brian Turkiewicz	KC9LFR
Joe Lauber	KC9MDY
Randy Nelson	KC9MYG
Paul Bleuel	KC9NAA
Brad Freund	KC9QYP
Tony Pass	KC9QYR
Larry Mielke	KC9RUE
Donna Blend	KC9TFN
Dean Choate	KC9TGM
Buddy Larson	KC9UVJ
Tom Powell	KC9VXR
Bowen Blend	KC9VXV
Tom Karrmann	KC9VZY
Walter Rueger	KC9WQ
Lori Winchel Beltz	KC9YQS
Ron Keller	KC9YVL
Doug Murray	KC9ZVT
Dick Finn	KC9ZVW
Fernando Salazar	KC9ZVX
Matt Nett	KD9BBN
Dawn Krause	KD9CAW
Gregory Schmude	KD9EHB
Gene Olig	KD9ZP
Mike Keyes	KE7ES
Jack Heil	KG9IN
Cully Kowal	KS0D
Doug Schultz	N9EZF
Ed Beltz	N9PJQ
Lloyd Vandervort	N9RPU
Jim Cole	N9WAP
David Mc Cumber	N9WQ
Rick Robinson	NI9Z
Ray Grenier	W9KHW
Ted Neuburg	W9LUQ
Barbara Simon	W9MER
Ted Willett	W9NHE
Gerry Radtke	WA9GON