



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

VOLUME 18 ISSUE 5

www.fdlhams.org May, 2017



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

2015 Club Officers

President: Jim Balthazor K9AIX
Vice-President: Tom Powell, KC9VXR,
Secretary Lloyd Vandervort N9RPU
Treasurer Doug Schultz N9EZF
Sgt-at-Arms: Isaac Lundberg KD9FPG

Board Member: Peter Fox KB9WZD
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: Stan Cram A10M

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

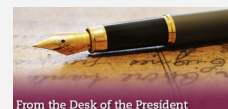
Mailing Address

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

The Presidents Corner

By: Jim Balthazor



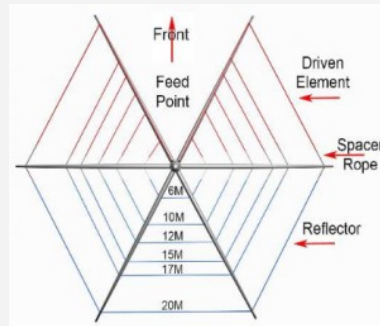
It's Antenna season; please stop Raining!

Last fall I came across of Rohn 40g tower for an excellent price. I drove to Minneapolis with my trailer in tow and brought back five sections of antenna support that should get my antenna up to a height of about

45'. I've spent the past few months dreaming about getting on the air with a directional antenna that can hone in on those signals that I wouldn't have been able to hear with my vertical.

I plan to install the tower on the south side of my home next to NI9Z's place. City ordinance requires that the antenna not crosses my property lines, even if my neighbor thinks it's ok. I have about thirteen feet from the proposed tower location and the property line.

I have decided to go with a six band Radiowavz Sentinel HexBeam, it has an eleven-foot turning radius and shouldn't require a tuner on the six bands. I hope to have pictures and a write up soon. That is if the ground every dries up enough to allow me to dig a hole that isn't a swimming pool.



7 – 3

Jim
K9AIX

Next Meeting

When: May 8, 2017 at 7:00 pm

Where: Moraine Park Technical College, Room A-112

Program: Learning Morse Code! Ed Tobias, KR3E

AND

Salvation Army Team Emergency Radio Network,
Scott Ruesch KD9FYD



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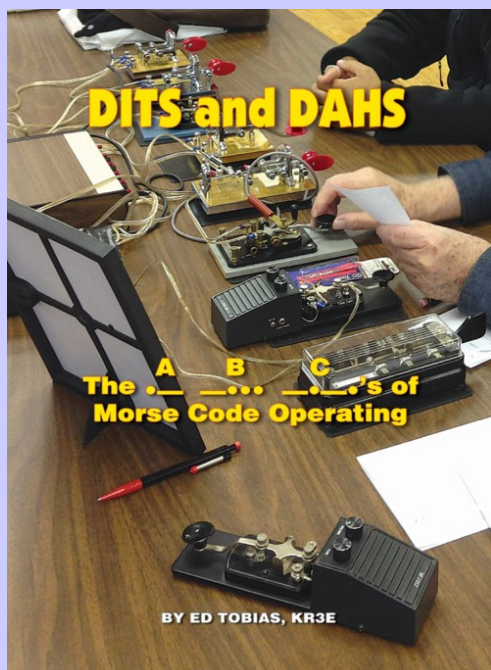
Monthly Meeting Entertainment

Joe Scheibinger K9VY has outdone himself this month and scheduled two speakers for our meeting. A write-up on each follows. Make sure to be there! You won't want to miss this.

Author Ed Tobias to Speak at FARC Meeting

We are honored to have our very first book author give a talk at our FDL Amateur Radio Club! And the subject will surprise a lot of our members that are seeking the fun and excitement of learning Morse Code! Ed Tobias, KR3E, author of the book "Dits and Dahs" will be one of our special guests for the meeting on May 8th.

By FCC Order 05-235 on February 23, 2007, the FCC modified the amateur radio service rules eliminating Morse code exam requirements. The current amateur service operator license structure contains three classes of amateur radio operator licenses: Technician Class, General Class, and Amateur Extra Class. Previously, the Commission, in accordance with international radio regulations, required applicants for General Class and Amateur Extra Class operator licenses to pass a five words-per-minute Morse code examination.



The FCC decided that Morse Code should no longer be a requirement because they believe the public interest is not served by requiring knowledge in Morse Code when the trend in amateur communications is to use voice and digital technologies for exchanging messages. This change eliminates an unnecessary regulatory burden that some say discourage current amateur radio operators from advancing their skills and participating more fully in the benefits of amateur radio.

Whether or not the new rule added more Amateur licenses is still vigorously debated, although it did help Amateurs advance to the higher ratings. What the rule did do is encourage more amateurs to look at Morse Code again for *fun* of it, rather than the necessity of it. For example, in our own club we have a sub group of members that are vigorously interested in Morse Code under the direction of Rick Robinson NI9Z.

"Dits and Dahs" is the perfect read for those interested in learning or improving CW operating techniques and tells the secret of becoming a proficient CW Operator such as where and how to practice, straight key or paddle, adjusting your key, lambic keying and bugs, contests & events, DXing, operating QSK, CW filters, and tips on taking CW on the road.



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Monthly Meeting Entertainment

Scott Ruesch KD9FYP To Speak at FARC Meeting in May

Have you ever heard of SATERN? It stands for Salvation Army Team Emergency Radio Network. Their vision statement is to bring together communications expertise and disaster services response to better serve those in need.

At our May meeting, Scott Ruesch KD9FYD, the Wisconsin and upper Michigan Coordinator of SATERN will be our guest and will talk about this very interesting group of people inside the Salvation Army.

SATERN is an all volunteer organization of currently licensed Amateur Radio Operators in service to aid The Salvation Army Emergency Disaster Services ministry. Many operators are specially appointed ARRL Technical Specialists, SKYWARN, and/or ARES members. In addition, some volunteers have voluntarily completed one or more of the FEMA Incident Command System training modules or ARRL Emergency Training, or Salvation Army EDS Incident Command training modules.

SATERN may also assist in handling Health and Welfare requests in times of emergency where normal communication media fails.

The "SATERN International Digital Net" makes use of the FLDIGI NBEMS software suite from W1HKJ, Dave Freese. NBEMS is an acronym for Narrow Band Emergency Message System. It consists of a suite of applications that work together to provide considerable capability to the amateur operator.

It's interesting to look at the different operational levels of SATERN. They are listed from the regular daily operations known as Delta I, DELTA I — in Training Mode. Regular Daily Net, to Delta IV, a catastrophic response - all available hands, all resources on 14.265 MHz in support of the emergency network. DELTA II - regular daily net, but also monitoring mode after the Net, for specific geographic area and time using the SATERN Frequency. DELTA III - initial net for monitoring mode then for duration of propagation — National Net Director or his appointee and Net relays, announce at the top of each hour DELTA III status and definition — SATERN Frequency and Other Emergency Nets - Alert Status Heightened. DELTA IV is the emergency mode, no daily net, only emergency net — disaster strategy review — preparation for event or stand down, and follow up mode or debriefing from event.

It really is amazing looking at all the facets of Amateur Radio, especially the ones that provide public assistance! See you at the meeting.





Mobil Ham Shack By Dick Finn

Joe Scheibinger did a bang up job in his write up on the meeting entertainment for April. For details of Brad Fruend's KC9QYP mobile Ham Shack I'll refer you to last month's newsletter. Still, I did get a few pictures of the truck at the last meeting that are worth showing.



Brad and his build team Lloyd Vandervoort N9RPU and Dennis Paulin KB9OFM. Missing is Peter Fox KB0WZD



The antenna farm on the roof.



A full view of the mobile ham shack.



The interior lighting is fantastic.

The shack has four radios and two laptops supported by 12 antennas on the roof. A pretty complete set up.

Brad plans on giving the outside a new paint job as well as removing the plumbing/gas on the inside. He says that the camper sat idle for so many years that the pipes were in pretty bad shape. He would have to completely replace them in order to make the bathroom and kitchen useable. In any case, he feels that these extras would not be needed in the future.

Hopefully Brad will bring the shack to the annual Field Day.



April Testing Session Results

We completed our second testing session of the year with three new Technician Class Licenses, one General Class and one Extra Class. All in all, it was a very successful session.

Doug Schultz N9EZF welcomed Kyle Ruesch KD9FYQ to the team of VEs for his first testing session. Returning for repeat performances were Stan Cram AI0M, and Dick Finn KC9ZVW. We certainly offer a vote of thanks to Stan Cram AI0M who is retiring from his job at MPTC and will be moving to Rochester, MN over the next few months. Stan has been a loyal VE with the club for many years and his services will be missed. Still, we wish him well in his move and may he have many happy years in retirement.

We had five people show up to take tests for their Technician License or to upgrade to the next level. Our congratulations to:

- Brian Sengbusch (Technician)
- Jeff Smith (Technician)
- Aaron Sagmeister (General)
- Tom Karrman (Extra Class)
- Scott Kreis (Technician)



Kyle Ruesch KD9FYQ presents Aaron Sagmeister



Our well organized and efficient band of VEs (from left to right: Doug Schultz N9EZF, Kyle Ruesch KD9FYQ and Stan Cram AI0M. Dick Finn KC9ZVW is on the other side of the camera).



Stan Cram AI0M presents his Technician Class License to Jeff Smith



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April Testing Session Results



Kyle Ruesch KD9FYQ presents Brian Sengbusch with his Technician ticket



Tom Karrmann KC9VZY receives his Extra Class license from Stan Cram AI0M.



Scott Kreis is awarded his General Class ticket by Kyle Ruesch KD9FYQ.

**CONGRATULATIONS TO ALL OF YOU
ON YOUR ACHIEVEMENT.**



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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, April 10, 2017



Call to Order

The meeting was called to order at 7:02 pm with Vice President Tom Powell KC9VXR officiating.

Introductions

All attendees introduced themselves.

Approval of Meeting Minutes

A motion was made Don Chapman KC9KZQ to approve the minutes of the last meeting as published in the newsletter. The motion was seconded by Peter Fox KB9WZD. The motion carried unanimously via a voice vote.

Treasurer's report

The treasurers report was presented by Doug Schultz N9EZF.

Income was reported s follows:

Dues and Raffle	\$ 110.00
CD Interest	\$ 2.13

Expenses were as follows:

None

Truck Fund	0.00
Emerg. Services Fund	1,179.19
General Use Fund	3,574.91
Savings Account	25.00
Petty Cash Fund	19.12
Total	4,796.22
Repeater Fund	229.01

A motion was made to approve the Treasurer's report by Stan Cram AI0M and seconded by Paul Bluel KC9NAA. The motion carried unanimously via a voice vote.

Old Business

The web site will be taken over by Tim Braun KD9HQA. We will be going with a new vendor for hosting. No progress has been made since the last meeting.

We have to decide truck vs trailer. Peter Fox reports that nothing has been done as all are busy.



Dick Finn KC9ZVW will check on insurance rates. This has been an open issue for some time as we seem to be paying quite a bit for insurance yet we only drive the truck a few times a year. Doug Schultz N9EZF will provide Dick with the truck information and Dick will follow up on getting new quotes. He will ask the agents for suggestions on ways to lower the premium (such as cancelling the insurance for part of the year).



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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, April 10, 2017



The first Brat Fry of the year will be on June 2-3, 2017. Doug Schultz N9EZF will again coordinate the event. He is looking for help on both days. A sign up sheet will be passed around at the next meeting.

New Business

Walleye weekend: Joe Scheibinger K9VY reports that we have the same location as last year and the special call W9W has been approved for June 9, 10 and 11.

Doug Schultz reported that our second testing session of the year will be held on April 22, 2017 at MPTC from 9:00 am through noon. For this session, our standard room has been changed to O-108.

Stan Cram AI0M reported that with the completion of the MPTX construction we may be able to move to a better room.

Jack Heil KG9IN reported that the annual ARRL Field day will be held on June 24-25, 2017. Jack Heil KG9IN and Paul Blue KC9NAA will coordinate the effort.

- Marge Heil KC9BEN will coordinate the food.
- The Porta Potty has been ordered.
- Larry Lamont KB9POP will bring a motor home.
- Jack Heil KG9IN will take an inventory of all the club radios.
- We were 3A last year and will probably do the same



The first Brat Fry will be on June 2 & 3. Doug Schultz N9EZF needs help all days Paul Blue KC9NAA will be the co chair.

Business from the Floor

There was no business from the floor.

Adjournment

Jack Heil KG9IN made a motion to adjourn Buddy Larson KC9UVJ seconded the motion. The motion carried unanimously via a voice vote and the meeting was adjourned at 7:53 pm.

The Raffle was won by # 554611—Don Chapman KC9KZQ.



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NOTICES/ANNOUNCEMENTS

License Exams By Doug Schultz



If you missed our last testing session in April, we will be hosting license exams again on Oct 14, 2017 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 and invite them. There is also plenty of time for you to prepare for an upgrade test.



Member Address/Phone Directory

If you have any corrections to the Address/Phone Directory, please send them to Doug Schultz N9EZ at schultz74@charter.net .

First Brat Fry of 2017

Our first Brat fry of 2017 is scheduled for next month—June 2, 3, 2017. The two Brat Fry's are the clubs main fund raisers so it is important that we all get out there and support them.

The Brat Fry will be, as usual, at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira from 8:00am to 5:00pm on both Friday and Saturday.

Doug Schultz N9EZ has been our long time coordinator for the event and will be passing around a sign up sheet at the May Meeting. Doug tells me that the hardest time to staff is on Friday as many of our members are working. If you are a retiree, please give some thought to turning out.

See you there!!





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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
Marjorie & Jack Heil (KC9BEN, KG9IN)	heilmj@att.net 920-9221413
Rick Robinson (N19Z)	920-924-9559 Code, DX'ing, Contesting
Stan Cram (A10M)	Contesting, general help

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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Free, For Sale or Wanted

Upcoming HAMFESTS and Conventions From ARRL

05/06/2017 | [ARAC Hamfest](#)

Location: Superior, WI

Type: ARRL Hamfest

Sponsor: Arrowhead Radio Amateur Club

Website: <http://thearac.org>

[Learn More](#)

05/06/2017 | [ORC Spring Swapfest](#)

Location: Cedarburg, WI

Type: ARRL Hamfest

Sponsor: Ozaukee Radio Club

Website: <http://www.ozaukeeradioclub.org>

[Learn More](#)

07/08/2017 | [South Milwaukee 52nd Annual Swapfest](#)

Location: Oak Creek, WI

Type: ARRL Hamfest

Sponsor: South Milwaukee Amateur Radio Club

Website: <http://www.qsl.net/wa9txe/SWAPFEST.HTML>

[Learn More](#)

08/05/2017 | [Riverland ARC Swapfest](#)

Location: Onalaska, WI

Type: ARRL Hamfest

Sponsor: Riverland Amateur Radio Club

Website: <http://rarc.qth.com>

[Learn More](#)

Hamfests





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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

—30—

Rick Robinson wore this jacket to our last meeting. It really is quite handsome. The logo is embroidered. Rick paid the setup charge already and estimates the price would be about \$125 for others.





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2016 CALENDAR

Jan. 9, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

Feb. 13, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

Feb. 18, 2017

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104
Contact: Doug Schultz N9EZF



Mar. 12 & 13, 2017

Wisconsin QSO Party



Mar. 13, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.
Annual Membership Drive-Contact Joe Scheibinger

Apr. 10, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

Apr. 22, 2017

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-108
Contact: Doug Schultz N9EZF



May 8, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

May 19 thru 21, 2017

Dayton HAMFEST



June 2-3, 2017

Brat Fry at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira.
8:00am to 5:00pm—Contact: Doug Schultz N9EZF



June 12, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

June 9 - 11, 2017

Walleye Weekend. Contact Joe Scheibinger

June 24 & 25, 2017

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



July 10, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC O-102.

July xx, 2017

RMC Triathlon



Aug. 14, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

Aug. 20 2017

Race the Lake



August 25-26, 2017

Brat Fry at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira.
8:00am TO 5:00pm—Contact: Doug Schultz N9EZF



Sept. 11, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

Sept. 24, 2017

Fox Cities Marathon



Oct. 9, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112

Oct. 14, 2017

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104
Contact: Doug Schultz N9EZF



Nov., 13 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112. Election of 2018 Officers

Dec. x, 2017

FdL Parade of Lights, 4:00, Downtown



Dec.11, 2017

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112

Dec. 9, 2017

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104
Contact: Doug Schultz N9EZF



Dec. 10, 2017

Christmas Party: Jim and Lind's Contact Buddy Larson KC9UVJ





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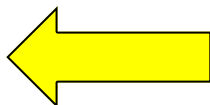
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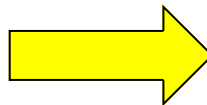
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FDL ARC ROOSTER

Name
Sort



Call
Sort



Name	Callsign
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	N9EZ
Doug Wagner	KC0RNS
Ed Beltz	N9PJQ
Ed Sippel	W9VYO
Ed Steinfeld	KB1ZJK
Edward Frac	AA9WW
Fernando Salazar	KC9ZVX
Gene Olig	KD9ZP
Gerry Radtke	WA9GON
Gregory Schmude	KD9EHB
Isaac Lundberg	KD9FPG
Jack Heil	KG9IN
Jim Balthazor	K9AIX
Jim Cole	N9WAP
Joe Lauber	KC9MDY
Joe Scheibinger	K9VY
Joyce Keyes	KC9KIJ
Justin Buell	KB9YET
Kirk Everson	KC9FZE
Larry Lamont	KB9POP
Larry Mielke	KC9RUE
Laura Yates	none
Lloyd Vandervort	N9RPU
Lori Winchel Beltz	KC9YQS
Louis Simon	KB9VQM
Marjean Buck	KC9LFI
Marjorie Heil	KC9BEN
Mark Forss	WD9CYM
Mathew Yates	KD9CSD
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	K9KHW
Reinhold Aschmotat	N8VDH
Rick Robinson	NI9Z
Ron Keller	KC9YVL
Stan Cram	AI0M

Ted Neuburg
Ted Willett
Todd Beay
Tom Karmann
Tom Murray
Tom Powell
Tony Pass
Walter Rueger

W9LUQ
W9NHE
AC9EX
KC9VZY
N0HOR
KC9VXR
KC9QYR
KC9WQ

Rick Robinson
Laura Yates
Ted Neuburg
Barbara Simon
Ted Willett
Ed Sippel
Gerry Radtke
Mark Forss

NI9Z
none
W9LUQ
W9MER
W9NHE
W9VYO
WA9GON
WD9CYM

Name	Callsign
Edward Frac	AA9WW
Todd Beay	AC9EX
Stan Cram	AI0M
Jim Balthazor	K9AIX
Nancy Myers	K9ANA
David Zittlow	K9DUI
Dot Olig	K9FDL
Chuck Mahnke	K9HXI
Ray Grenier	K9KHW
Joe Scheibinger	K9VY
Ed Steinfeld	KB1ZJK
Dennis Paulin	KB9OFM
Larry Lamont	KB9POP
Louis Simon	KB9VQM
Peter Fox	KB9WZD
Justin Buell	KB9YET
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 Karmann	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
Mathew Yates	KD9CSD
Gregory Schmude	KD9EHB
Isaac Lundberg	KD9FPG
Gene Olig	KD9ZP
Mike Keyes	KE7ES
Jack Heil	KG9IN
Cully Kowal	KS0D
Tom Murray	N0HOR
Reinhold Aschmotat	N8VDH
Doug Schultz	N9EZ
Ed Beltz	N9PJQ
Lloyd Vandervort	N9RPU
Jim Cole	N9WAP
David Mc Cumber	N9WQ