VOLUME 16 ISSUE 2

www.fdlhams.org February, 2015

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





2015 Club Officers

President: Donald Larson KC9UVJ
Vice-President" Tom Powell, KC9VXR,
Secretary: Lloyd Vandervort N9RPU
Treasurer: Doug Schultz N9EZF

Sergeant-at-Arms: Ron Keller, KC9YVL

Board Member: Dave McCumber N9WQ
Board Member: Randy Grunewald KB9KEG
Board Member: Larry Mielke KC9RUE

Committee Chairs

Contesting: Randy Grunewald KB9KEG Education/Scholarship: Jack Heil KG9IN

Field Day: Grunewald, Heil

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: Steve Smith W9GPI

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

Club meetings

Club meetings are 7 p.m., on the second Sunday of the Month at Moraine Park Technical College, Room A102.

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

Annual Dues are Due

Doug Schultz N9EZF will be collecting the 2015 dues at the meeting on February 9, 2015.

The dues for one person is \$15 per year. Dues for a family are \$20. You should make checks payable to the Fond du Lac Amateur Radio Club.

If you are unable to attend the meeting, you can mail your dues to

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

Special Note For the February Meeting:

Our February meeting will be held as usual at Moraine Park Technical College at 7:00 pm on February 9, 2015.

HOWEVER

We will be meeting in room A112 (The World Link Room) instead of our normal location. This will allow us to Skype to our presenter for the evening *see the article describing the presentation on the next page. It should be very interesting..

FDL County ARES Net

Sunday Evenings

For ARES Team Members. Now combined with the Club Net at 7:30 pm.

FOND DU LAC AMATEUR RADIO CLUB REVISER REPORT NE LE LE LE REPORT NE LE

Local Ham Radio Enthusiasts Will Examine Kit Built Ham Radio Live Via "Skype"

The Fond du lac Amateur Radio Club will be holding their next meeting on Monday, February 9th at 7:00 PM at Moraine Park Technical College in Fond du Lac. This meeting will be held in room A112, which is the World Link room on the Fond du Lac Moraine Park campus. The room is equipped with a very large projection screen which will be used for a "Skype" contact to the headquarters for Elecraft in Aptos, California, a company that produces high quality Ham Radios in kit form delivered around the world. The guest speaker for the event will be Eric Swartz, cofounder of the Elecraft company..

Why would someone want to build their own Ham radio? Some enjoy building so much that they'll build a kit for others! Most would tell you that hand-assembling a modern transceiver offers a much richer experience than simply operating it. And when you're finished, you'll have a radio that you can understand, repair, and even modify. But these radio kits from Elecraft have performance and features you simply won't find anywhere else.



ELECRAFT

Elecraft Ham Radio

New hams might be surprised to learn that just a few decades ago, most operators built at least some of their own equipment.

Hands-on was the rule, not the exception. This aspect of the hobby has seen a renaissance recently, thanks to the efforts of kit-oriented clubs and small manufacturers. Elecraft was founded in the midst of this kit revival. Many electronic enthusiasts can remember buying everything from Ham Radios, to Thomas Organs, to test equipment, to computers, all out of the Heathkit catalog!

"We couldn't buy an all-band, contest-class HF transceiver with incredible receiver performance for



(L) Eric Swartz, WA6HHQ and (R) Wayne Burdick, N6KR, Elecraft Company Founders

under \$1000—especially since we also wanted it to double as a 5-pound, low-current-drain Field Day station." said Wayne Burdick from Elecraft. "So we designed the K2 and the K2/100. (And in 2008, the K3 - offered factory assembled and as a kit.) We also couldn't find a compact, 4band QRP CW transceiver with internal battery and internal automatic antenna tuner. So we designed the K1. Then there's our all-band/all-mode, ultra-portable, "trail-friendly" transceiver, the KX3 (also offered factory assembled and as a kit.), and its baby brother, the KX1. These are the rigs we always wanted for backpacking, but didn't exist. We now offer a wide range of products ranging from our top-of- the line transceivers to our uC controlled Watt-meters, VHF/UHF Transverters, high performance ATUs and 1 night mini-module test equipment kits."

Local Ham Radio Enthusiasts Will Examine Kit Built Ham Radio Live Via "Skype" (cont.)



First-time builders find the kits really are easy to build. They all include our no-wires, modular construction and have built-in test equipment to simplify alignment and testing. Elecraft also features a very popular <u>e-mail reflector</u>. This easy-to-use mailing list allows our customers around the world to quickly get answers to assembly or operating questions—any time, day or night! Elecraft is based in California on the Monterey Bay on the western slope of the Santa Cruz mountains.

The public is invited and there is no cover charge. For more information contact Joe Scheibinger at 920-237-1450.

Calumet County Looking For Additional Skywarn Storm Spotters

Calumet County's Skywarn program is looking for additional ham radio operators who are interested in severe weather spotting to join our team. Our Skywarn Coordinator is seeking additional storm spotters for the upcoming severe weather season. If you are a ham radio operator who lives works or commutes through Calumet County or the surrounding areas, we would like to hear from you!



The only requirement to join is that you have attended a NWS spotter class within the last two years either in-person or online. If you haven't, you can attend a spotter class this spring or do the class online. All of the training related to our county's reporting procedures will be provided in-house.

We also need you to own a 440Mhz ham radio, as we conduct our Skywarn nets on this band. Our Skywarn team is completely separate from our county ARES/RACES program and you DO NOT have to be an ARES/RACES member to join our Skywarn team.

For those interested in joining our team, we have an upcoming meeting scheduled for March 7th. We also hold regular meetings and radio trainings throughout the year.

For more information on our Skywarn program or if you want to join our team, please contact our Skywarn Coordinator below.

Nate VanDaHuvel, KC9LFQ cmsreact@yahoo.com

920-627-3311

Approved by Calumet County EC Brian Turkiewicz, KC9LFR 920-627-2025

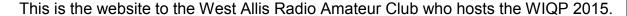
FOND DU LACAMATEUR RADIO CLUB NEW SERVICE SERV

Wisconsin QSO Party

The following comes from Randy Gruenwald KB9KEG

Hello to All Members, am envisioning a tremendous Wisconsin QSO Party this year. I am hop-

ing to band together the newer members and the existing members in a goal to get everyone involved in the party.



http://www.warac.org/

Wisconsin QSO Party
March 15, 2015 - 1800Z to 0100Z March 16
(1:00PM CDT to 8:00PM CDT on Sunday, March 15)

Some ideas this year are:

- Stay at your home QTH and operate.
- Go mobile and transmit from multiple counties around the area.
- Going mobile you can just focus on HF frequencies, CW and or Phone.
- Some technician class Operators may choose to go mobile with VHF and or UHF.
- I want to arrange a gathering of operators to operate from the Red Cross Building this year.

Details of these ideas will be coming into your email boxes, so keep watching. Let's try to get everyone involved because it sure is fun. I will try to contact each one of you who are interested in participating in this fun event.

Remember Radio Play Day is coming up too, so more thoughts and ideas will develop there.

Thanks a lot for your time KB9KEG Randy Grunewald



The Old Days of Transmitting the News (Dick Finn):

When I received the notice for the Morse Code class from Joe Scheibinger, it started the memories flowing. No, I don't know Morse Code and despite several attempts over the years never managed to even come close to mastering it. Maybe this class will boost me over the hurdle. I sure hope so and I will make the effort.



My first shot at code dates back to the 1950's when I was a Boy Scout. Advancement in rank required a minimal level mastery. I made several aborted attempts but lacked the initiative to develop the skill with the signal flags. I can't say that Morse Code ended my Scouting career but it certainly figured into it. I never even made First Class Scout. It is with no small amount of pride that I tell you that my son made it all the way to Eagle Scout.

In High School I gave it another shot. I wanted to go to college and become an Electrical Engineer and found myself fascinated with electronics and radio. Again my initiative to learn Morse Code and become a HAM sputtered and died. I did, however, go to the University of Minnesota and became an Electrical Engineer but I specialized in Computer Engineering.

I did have one more contact with Morse Code. While attending college, I worked full time nights and went to school full time during the day. My first job was as an office boy for the Associated Press in Minneapolis. I got the job through my father who had been a Wirephoto Operator. This is one of the jobs that no longer exists. Dad operated the equipment which transmitted and received photographs over low speed telephone lines. The office was loaded with teletypes and had a staff of (what else) teletype operators. My job was to tear the copy of the teletypes and bring it around to the editors. Of all the jobs, it appears that mine is pretty much the only one that still exists. I guess they haven't discovered a way to automate being a gopher (as in go for coffee, etc.).

I got friendly with the teletype operators, learned to type, and actually worked some vacation relief for them once my speed got above sixty words per minute. One of the fellows was nearing retirement and would tell me about the old days of transmitting the news. He started out as a Morse Operator for the AP as a young man. He and the other operators were so skilled that they would transmit stories without even reading them. He told me his wife used to ask him what the weather report was and he would have to tell her that he just sent it and didn't bother reading it. At one time they put the baseball stories coming in from the ball parks in code on the office loudspeakers and the Morse operators were the only ones who knew what was happening. The operators at ballparks, in between sending sports stories, would send play by play accounts of the games. The Bureau Chief would have called a halt to this real quick if he knew what the code was about. He operators told him they were monitoring one of the news lines so they could jump on real quick if a story broke.





Call to Order

The meeting was called to order at 7:00p by President Larson.

Evening Program

Skype visit to ARRL headquarters curtsy of moraine park and Stan Cram Al0m.

Joe Carcia NJ1Q was our host at ARRL headquarters in Newington Conn. via skype.

Construction began in1936 on 71/4 acres in Newington , transmissions started in Sept 21 1938.

All transmissions are done with 1kw transmitters on all bands.



Joe Carcia

Antennas are on 3 60'towers and 1 120' tower.





The primary mission is dissemination of amateur information and CW practice

He gave a demonstration of Hiram Percy Maxim's original rotary spark gap transmitter "Old Betsy", it uses 12,000 volts into a rotary spark, Unfortunately the high rf energy emitted overloaded the skype computer and killed the interview. The connection was re established shortly.

FOND DU LACAMATEUR RADIO CLUB NEW SERVICE SERV

FOND DU LAC AMATEUR RADIO CLUB Minutes of Monday, November 10, 2014 (Cont.)

Lloyd Vandervoort has a complete audio and a fair video of the ARRL Skype visit. Follpwing is a video link Joe will try to put it on you tube there are some audio

problems



https://www.dropbox.com/s/dvscgnnb8s8hfmd/ARRL%20Facility%20Tour3a.mp4?dl=0

Approval of the Minutes

A motion was made by Don Chapman, KC9KZQ, to approve the minutes from September. Seconded by Tony Pass KC9QYR. The motion carried via a voice vote.

Treasurer's report

The Treasurers Report was presented by Doug Schultz N9EZF.

Truck Fund	\$0.00
Emergency Services Fund	\$894.63
General Use Fund	\$2,329.79
Savings Account	\$25.00
Petty Cash Fund	\$25.00
TOTAL \$	3,275.02

Repeater Fund \$626.60





A motion to approve the Treasurer's report was made Paul and seconded by Todd Beay AC9EX. The motion carried via voice.

Doug Schukltz N9EZF presented a bill for \$900.00 for the Christmas Party and from Brad Freund KC9QYP for \$48.00 for the Door Prize. Stan Cram A10M made a motion to pay the bill. The motion was seconded by Jack Heil KG9IN and approved unanimously.

FOND DU LACAMATEUR RADIO CLUB REVISER REPORTED REPORTED REPORTS AND THE REPORT

FOND DU LAC AMATEUR RADIO CLUB
Minutes of Monday, November 10, 2014 (Cont.)

Old Business Fox cities marathon

Nite to send Thank you to Phil Majours for gifts for the Xmas party.

Meeting Minutes

New Business

Lloyd Vandervoort N9RPU presented the "Ham of the Year for 2014 " plaque to Buddy Larson KC9UVJ our president.

Doug Schultz N9EZF reports that the Brat Fry dates for 2015 are May 29 & 30 and August 28 & 29 at the Country Corners Exxon station in Lomira.

A question was raised for discussion as to what our club programs should be. The following were suggestions from the floor.

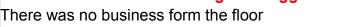


Buddy Larson receiving the HAM of the Year

- Code class, more training, radio setup details, antennas.
- We should contact boys & girls clubs, schools, children's museum.
- Contact the ISS, demonstrate slow scan TV.
- Should we have a picnic?
- Should we activate the lighthouse?
- Have a mentoring program foe new hams?
- Have a program on propagation?
- Madison club has created a new Tec class Power Point. We can use this to hold our own Tech Class.
- We need to educate local population about ham radio
- Have a U-Tube video of our radio play day.
- Public outreach County fair?
- Need press releases to draw people
- Demonstrate practical application of things learned in school.
- Stem schools? Rotary club presentations, science fair?
- Create an Elmer group to help new hams.

FOND DU LAC AMATEUR RADIO CLUB Minutes of Monday, November 10, 2014 (Cont.)

Business from the Floor Program Suggestions



Announcements

No announcements were offered.

Adjournment

A motion to adjourn was made by Lloyd Vandervoort N9RPU and seconded Stan Cram A10M All approved by a voice vote and the meeting ended at 8:59 pm.

The 50/50 raffle was won by Buddy Larson KC9UVJ.The

County Line Road Runner

Gene Olig sends me these articles written by his friend Ed Palagyi from Crawfordville, Florida. Ed writes these for The County Line Roadrunner. Reading through this one it came to mind that ours is not a solitary hobby. It is one that should be



Meeting Minutes

enjoyed with friends over a cup of coffee as well as over the air. Let me know if you enjoy these articles or if I should try something else.

THE COUNTY LINE ROADRUNNER

DATELINE CW By: Ed, KN4Y

If CW county hunting is the best of possible worlds, what then are the others?

It is February, enough cold weather already, it is time for the hot weather a major reason I moved to Florida. Cold weather (defined as any temperature below 70 F) should not be allowed past the Mason-Dixie line. I turn on the radio and I hear Jim running CW on the 20-meter band. I do not need the county but I can use the Stars. The rhythmical sound of Jim's CW is drowned out by the roar of Gator's 4X4 coming down the driveway, he slides to a stop at the recycled railroad tie. He gets out of the truck and makes a stop at the mail box, I open the radio shack door, "Good day, let me help you with the lattes." "A good day to you Dude, I have your mail." I look out the window and see one successful kamikaze squirrel.

FOND DU LACAMATEUR RADIO CLUB REVISER ET LER

County Line Road Runner (Cont.)

I remove a latte from the container and take a gulp of the hot nectar of the Gods as I sort through my mail. I remove several large envelopes and hand them to Gator, "I think these are probably QSO party certificates, how about checking them out while I insert two raisin cinnamon bagels into the toaster." Gator takes the en-



velopes and opens them while I get some cream cheese from the refrigerator; a bagel should not be eaten naked.

Gator holds up a certificate, "This is a certificate for first place Florida in the 2014 Tennessee QSO party. There is also a nice write-up enclosed and you are really in fifth place overall based on your score." Gator opens the other envelope and extracts the contents, "This certificate is a colorful notice of your third place finish in the USA for operating in the 2014 Kansas QSO party using low power. This certificate has embedded a 1965 International Telecommunications Union stamp worth eleven cents and a five cent Voice of America stamp. Dude was it possible to mail a letter with a stamp that cost five cents? I sip my latte, "Yes Gator I have some one cent postcards in that Cohiba Robustos Cigar box in the cabinet. Gator is not paying attention as he picks up the certificate that fell onto the floor.

Gator looks at the certificate, "You got this certificate for working the Pennsylvania QSO party" Gator checks the Nittany Amateur Radio Club web site, boy their QSO party summary is confusing, best I can determine you are in ninth place." I give Gator a thumb up, "I remember now, they have a rule 5 that reads: sideband operation on the hour, CW on the half hour. The OSO party sponsor's evidently do not know there are participants that operate only CW or only sideband." Gator gives me a quizzing look.

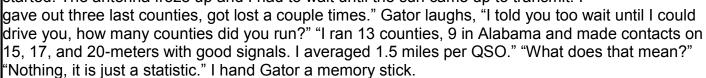
"What has that to do with your score?" "Mobile operators like Jerry can go through one or more counties in the sideband half hour and I could miss some multipliers." Gator is not paying attention.

I take a bite from my creamed bagel as Gator snaps his finger to get my attention, "I see you worked the Canada contest, Good job Dude, you worked 80 Canadian stations on CW in the Canada Winter contest using low power." "Yes, I worked only Canadian stations since it was a RAC contest." "Do you suppose the cold weather will now be kept in Canada?" "No." "Darn." Gator suddenly turns around, "Dude I did not know you operated in the Stew Perry Long Distance Challenge on 160-meters." "Sure did and I had a run going until a higher power intervened so I scanned the band and the signals were down and the noise level had increased so I quit early and downed an Ensure with some cookies. How did I do?" Gator runs the program; he holds up nine fingers, "When you verify their location you will have nine new counties on 160-meters." I give Gator the high sign as I rinse down the bagel with my latte.

Gator is reading the MARAC web site, "Dude did you know this year's MARAC convention is at the Florida old farts habitat." "Gator, be nice, it is a senior community called The Villages located South of Ocala Florida in Sumter County. It is located as Lady Lake on older GPS. What is the date?" Gator looks at the computer, "It is in July are you going? Can I go with you?" "I will have to check with Mark." "That pink hated Dude, he likes me." I hand Gator a bagel, we sit down and enjoy the ecstasy of a bagel covered with lots of cream cheese.

County Line Road Runner (Cont.)

Gator snaps his finer, "I almost forgot Dude, and how was your trip to run some Alabama counties for Wayne, WE7G? I swallow the last bite of my bagel, "Worked out great Gator, The temperature was 26 degrees Fahrenheit when I started. The antenna froze up and I had to wait until the sun came up to transmit. I



"Check how I did in the North American CW QSO party," I am thinking about getting another bagel when I notice my large belly in the mirror. Gator laughs, you made 250 QSO's on five bands and you got one new county on 10 and 80-meters." I shake my head, "Yes I tend to work the same stations every year." Gator snaps his fingers, "Dude I did not know you worked the Hungarian DX contest "Yes, I worked the contest in memory of my Grandmother who over 100 years ago left Hungary and came to America

with my mother in her womb." Gator is not interested and asks, "Have you thanked K7TM, KM6HP, N4CD, W0GXQ, and WE7G for the last counties award?" "Not yet."

Gator has switched gears and is focused on the computer screen," Wow! I read where a county hunter just got tenth time around and that means working 30,770 counties. I wonder how many years are required for the task. Now that is radio butt dedication." I take a bite from the bagel, "That is awesome, who is the county hunter?"

Gator's cell phone ding-a-lings, Sorry Dude have to go from here to there fast like a midget go-go dancer, there is a problem with the new azeotropic distillation unit. He is gone like extinguishers at a fire sale, I think I heard him yell. It's impossible to sneeze with your eyes open. The printer starts and stops, I get the printout and it is the list of mobiles heard during January on the CW county hunters call frequencies, I read: AE3Z, AF3X, AF5CC, K0FG, K2HVN, K4YT, K7TM, K8ZZ, K9JWV, KA4RRU, KC7YE, KN4Y, KO7X, KW1DX, N0KV, N2JNE, N4AAT, N4CD, N4JT, N9JF, NF0N, NM2L, NT2A, W0GXQ, W3DYA, WA3QNT, and WA4PGM,

Before I take my well-deserved stint in my Norm inspired recliner of refreshing relaxation I check the contest activities scheduled for the month of February. Glory be and hot Watts, the State QSO parties are returning with 111 counties up for grabs. There is the Vermont QSO party with 14 counties, the Minnesota party with 87 counties and the New Hampshire party with 10 counties. The Northeast is partying again. Want some CW DX activity plan to participate in the ARRL CW DX contest and maybe some of the other worldwide contests. Kids are the future of amateur radio, participate in the School Club Roundup and your legacy will live on. We started deer hunting when seven years old. Yeah, we saw Bambi, We got over it. Nap time.

Support Groundhog Day, dig a burrow.

February Meeting

The next meeting of the Fond du Lac Amateur Radio Club will be held on Monday, Feb. 9, 2014 at 7 pm at Moraine Park **Technical College** Room A-112

ARRL Contests

For information on contests and more, visit www.arrl.org/contest-calendar

For information on many, Special Event Stations, visit www.arrl.org/special-event-stations

2015 FdL Ham **Calendar Items**



January 9, 2015

7:00 pm Monthly Meeting 8:00 pm CW Class

May 29 & 30, 2015

Brat Fry at the Country Corners Exxon station in Lomira

August 28 & 29, 2015

Brat Fry at the Country Corners Exxon station in Lomira



"DEADLINES JUST AREN'T REAL TO ME UNTIL I'M STARING ONE IN THE FACE." RICK RIORDAN

QUOTESEVERLASTING.COM

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.

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

	Publish	Deadline
	Date	Date
Mar., 2015	3/9/2015	3/6/2015
Apr., 2015	4/6/2015	4/3/2015
May, 2015	5/4/15	5/1/2015
June, 2015	6/8/15	6/6/15





FOND DU LACAMATEUR RADIO CLUB REVISER REPORT NA PROPERTY DE LA CAMATEUR RADIO CLUB REVISER RADIO CLUB REVISE



Morse Code Classes Starting in Feb.

Members of the Fond du Lac Amateur Radio Club will be



able to experience the nostalgia of Morse Code with a special class that will be held at the end of each club meeting at Moraine Park starting with the February meeting thanks to Rick Robinson.

Richard "Rick" Robinson, has been a Fond du Lac club member for twenty years. Rick was licensed in I969 as WN6KMD. He received his General as KA9RNB, and his Advanced and Extra class licenses in mid 1980's as NI9Z. Rick enjoys contesting and other parts of ham radio that he would like to get himself back into, but he have not had an antenna up in over 20 years. "The contesting I do is from my cabin up north. I plan on putting up a tower and my TH7 at the cabin next year."

Rick was in the U.S. Navy from July 1965 to July 1969, as a Radioman. He was a CW operator on Guam Island (NPN) and for one year as a CW shift supervisor, in Japan (NDT). His first 2 1/2 years were spent in boot camp, electricity/ electronics school, radio school and one year at "Navcommsta" Long Beach, California.

Classes will run from 8:00pm to 8:30pm after the club meetings, starting in February 2015. There is no cost for this program. This program will cover learning the code, both sending and receiving. The goal is to learn enough from this ongoing class to work CW on an upcoming field day.

Rick is looking forward in teaching this class to club members and non-hams in the community who have an interest in learning CW.

International Morse Code

- 1. A dash is equal to three dots.
- . The space between parts of the same letter is equal to one dot.
- 3. The space between two letters is equal to three dots.
- The space between two words is equal to seven dots.

Α	• —	U	• • —
В		V	• • • =
C		W	• — —
D		X	
E	•	Y	
F	••••	Ž	
G	:	_	
Н			
T	• • • •		
I	• •		
J	•		
K	— • —	1	
L	• - • •	2	••-
M		3	•••
N	- •	4	• • • • =
0		5	• • • • •
P		6	
0		7	
P Q R	·	8	==:::
S		9	===::.
T	<u>• • • • </u>		
T		0	

"The wireless music box has no imaginable commercial value. Who would pay for a message sent to no one in particular?" - -Associates of David Sarnoff responding to the latter's call for investment in the radio in 1921





Last Name	First Name	Call
Beay	Todd	AC9EX
BELTZ	LORRAYNE	KC9YQS
Beltz	Ed	N9PJQ
Bleuel	Paul	KC9NAA
Calvert	Scott	KC9UVI
Chapman	Donald L.	KC9KZQ
Choate	Dean	KC9TGM
Cole	Jim	N9WAP
Cram	Stanley	AIOM
Finn	Richard	KC9ZVW
Frac	Edward	AA9WW
Freund	Bradley	KC9QYP
Grunewald	Randall	KB9KEG
Heil	Marjorie	KC9BEN
Heil	Jack	KG9IN
Keller	Ronald	KC9YVL
Kowal	Cully	KS0D
Krause	Dawn	KD9CAW
Lamont	Larry	КВ9РОР
Larson	Donald	KC9UVJ
Lauber	Joseph	KC9MDY
Mahnke	Charles	к9нхі
McCumber	David	N9WQ
Mielke	Larry	KC9RUE
Miller	Mike	KC9DOA
Murray	Douglas	KC9ZVT
Nett	Matthew	KD9BBN
Neuburg	Ted	W9LUQ
Olig	Dottie	K9FDL
Olig SR	Gene A	KD9ZP
Pass	Anthony	KC9QYR
Paulin	Dennis	KB9OFM
Powell	Thomas	KC9VXR
Radtke	Gerald	WA9GON
Robinson	Richard	NI9Z
Salazar	Fernando	KC9ZVX
Schultz	Douglas	N9EZF
Simon	Louis	KB9VQM
Simon	Barbara	W9MER
Sippel	Rev. Ed	W9VYO
Smith	Stephen	W9GPI
Tvrdy III	Paul	N9KLK
Vandervort	Lloyd	N9RPU
Zittlow	David	K9DUI

ROSTER

Name Sort



Last Name	First Name	Call
Frac	Edward	AA9WW
Beay	Todd	AC9EX
Cram	Stanley	AIOM
Zittlow	David	K9DUI
Olig	Dottie	K9FDL
Mahnke	Charles	К9НХІ
Grunewald	Randall	KB9KEG
Paulin	Dennis	KB9OFM
Lamont	Larry	KB9POP
Simon	Louis	KB9VQM
Heil	Marjorie	KC9BEN
Miller	Mike	KC9DOA
Chapman	Donald L.	KC9KZQ
Lauber	Joseph	KC9MDY
Bleuel	Paul	KC9NAA
Freund	Bradley	KC9QYP
Pass	Anthony	KC9QYR
Mielke	Larry	KC9RUE
Choate	Dean	KC9TGM
Calvert	Scott	KC9UVI
Larson	Donald	KC9UVJ
Powell	Thomas	KC9VXR
BELTZ	LORRAYNE	KC9YQS
Keller	Ronald	KC9YVL
Murray	Douglas	KC9ZVT
Finn	Richard	KC9ZVW
Salazar	Fernando	KC9ZVX
Nett	Matthew	KD9BBN
Krause	Dawn	KD9CAW
Olig SR	Gene A	KD9ZP
Heil	Jack	KG9IN
Kowal	Cully	KS0D
Schultz	Douglas	N9EZF
Tvrdy III	Paul	N9KLK
Beltz	Ed	N9PJQ
Vandervort	Lloyd	N9RPU
Cole	Jim	N9WAP
McCumber	David	N9WQ
Robinson	Richard	NI9Z
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Simon	Barbara	W9MER
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