Editor, The CORC Repeater Newsletter
Joe Hahn (W8NBA)
P.O. Box 166
Sunbury, OH 43074-0166

The Central Ohio Radio Club
October 2022 Newsletter

Over 50 Years of Service to the Amateur community!

ARRL Special Services Club

Web Page at http://www.corc.us

Place Label Here

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Central Ohio Radio Club, Inc.

Fall Potluck Meeting

October 23, 2022 (Sunday)
6 PM EDT (Eastern Daylight Time)

Genoa Township Hall
5111 S Old 3C Road
Westerville, Ohio 43082

Speaker: John Ross - KD8IDJ
ARRL Letter Editor

Bring a Covered Dish (with Spoon)

CORC will Provide:

Soft Drinks, Coffee/Tea
High Quality Plastic Ware
Cups and Plates
Door Prizes
Friendly Faces

Put this notice on your refrigrator as a reminder!

The Central Ohio Radio Club Newsletter

October 2022

Hello,
I hope all is well with you and yours and you are enjoying this fall.

I enjoyed meeting everyone that attended our 50+ Bash in June. John Hull, W8RRJ, talked about 146.76 first hitting the airwaves back on Father's Day 1970. At that time there were several other hams building repeaters in central Ohio, but John won the race. There is a detailed history of 76 elsewhere in this newsletter. Many club members and others have been keeping our repeater systems operational. I want to thank everyone who helps keep our systems going.

Speaking of volunteers, the club could use your help. We are always looking for technical people to keep things going. But we could also use people that do data entry or have financial background. Please let me or any other director know if you can assist. Remember this is your club.

Our last two meetings have been BYOB or Bring Your Own Bag. It has been nice to be able to get together, but people missed our potluck meal. The Board of Directors decided our upcoming meeting in October will be a potluck. If you do not feel comfortable you are more than welcome to bring your own bag, otherwise please bring a covered dish to share. Our speaker will be John Ross, KD8IDJ. He is editor of the ARRL Letter and involved with the Central Ohio Severe Weather net. Plan to attend on Sunday, October 23rd at 6PM.

It is the time of year to finish the outside antenna projects before winter comes, but one still needs a potluck…

73,

Laura, KA8IWB

President
Laura Perone
KA8IWB

Vice-Pres.

Secretary
Tony Fabro
N8RRB

Treasurer
Steve Robeano
WD8JKX

Newsletter Editor
Joe Hahn
W8NBA

Membership Chair
John Perone
W8RXX

FM Repeaters

53.70 /
52.94 / 52.70
51.70 /
W8RRJ

146.16 / 146.76
W8AIC

146.37 / 146 .97
W8RRJ

147.93 / 147.33
W8NBA
IRLP Node 8094

449.20 / 444.20
W8AIC

447.80 / 442.80
K8NIO

D-Star Repeater G3 Gateways

144.89 / 145.49
449.00 / 444.00
W8CMH

And the winners were…

Door prize winners at the 50+ Birthday Bash meeting

Many of these gifts were donated to the club. (Saved us money, Thanks!)

Rusty Bucket gift card: Anita Steinbergh
Outback gift card: Howard McLean, KE8SES
Coax Switch: Lew, KD8SSD
Coax Switch: Roger, KE8RTF
Icom 207H dual band mobile (from an estate): Brian Gardner, KE8JVX
Kenwood TH-G71 dual band handheld (from an estate): Sandy Robeano, KB8CIQ
ARRL book basic Antennas: Gary Heddon, W8JFP
ARRL book HF dipole: Tony Fabro, N8RRB
ARRL book: Grounding and Bonding: Lynn Heddon, K8RJI
How to get on HF book: Roy Hook, W8REH
How to work DX book: Marcia Pomeroy
Brand NEW Kenwood TM-281A mobile: Matt Giben, KE8HWY
50/50 Drawing: Therese McLean

From your CORC Membership Chairman… John / W8RXX

We would like to thank everyone that have either joined or paid their dues since our last newsletter.

New Members…

The following have joined CORC since the last newsletter was printed. Please thank them for joining the club when you hear them on the air. Members and donations all help keep the club financially sound!

KF8FR – William	AE8FP – Frank	KC8TJV – Marilyn	KE8JVX – Brian
KE8OAU – Shawn	N8SY – Scott	KB9YPW – Jane	KE8TNY – Mark
W5IEM – Steve	KD8GUA – Brad	KE8KBU - Adam	

Donations…

Many thanks to those who have donated their time, talent, money, printing, etc. since the last newsletter. They all help keep CORC financially sound.

W8RRJ	W8NBA	N8RRB	WA3UOO	KC8ASF	KE8KBU	KROGER	W8XU
KB8CIQ	WD8JKX	W8REH	W8WJH	WA8KKN	KA8IWB	W8RXX	

Technical Updates

A major project for CORC is completed (except for the 6 Meter repeater) as of late August 2022.

CORC and collocated licensees had to replace their antenna feedline systems because of a leaky roof downtown. This was also major project for the other licensees.

The CORC downtown repeaters affected were W8RRJ (6 meter), W8AIC (146.760 MHz, and 444.200 MHz), and various link antennas. In addition, CORC had to replace the 146.760 MHz antenna that had failed earlier in the Spring due to wind damage and/or a lightning hit. For a few months, '76 was using a temporary antenna at reduced power.

The remaining item for CORC is the completion of getting the 6 Meter transmitter back on the air. The antenna (requires testing) and the coax are in hand.

Some of the parts CORC had to purchase were 500 feet of LMR600 coax, Type N connectors, clamps, grounding hardware, and the removal and replacement of the faulty 146.76 MHz transmit antenna.

CORC spent thousands of dollars out of the rainy-day fund to complete the task.

The CORC team members consisted of John, W8RXX, Dan, (a friend of W8RXX), WX8U, WA3UOO, WA8KKN and a commercial tower climber.

Hopefully, the building will stop leaking and CORC gets longer life out of the '76 antenna.

Chuck, WA8KKN

For Sale

1) Yaesu FT-736R Transceiver with microphone and manual.
2) Drake R8 communications receiver with manual.
3) Alnico DR-1200 with microphone.
4) Shinwa Wide Band Scanning Receiver.
5) Realistic 10 Meter SSB/CW Transceiver Model HTX-100 with microphone.
6) RG 8U coaxial cable.
7) 7 conductor R2 control cable for rotor.
8) MFJ VHF Analyzer model mfj-208
9) HF SWR ANALYZER model MFJ-207.
10) Versa Tuner ll model MFJ-941E
Lots of connectors and other items for sale.
For appointment to see, please call (614) 368-3746.Bill Wilson KF8FA

From the Desk of the Treasurer

by Steve Robeano, WD8JKX

"Appoint commissioners to take a fifth of the harvest during years of abundance and store it up. This food should be held in reserve, to be used during years of famine that will come, so the country won't be ruined by famine."
Adapted (liberally) from Genesis 41:34-36

"Annual income $20.00, annual expenditure $19.90, result… *happiness.*
Annual income $20.00, annual expenditure $20.10, result… *misery*."
Adapted from "David Copperfield" by Charles Dickens

OK JKX... just what the heck has any of this stuff got to do with CORC and its membership?

Preparing for Famine

For nearly all of its history, CORC property has been self-insured. Prior to 2003 we had a special savings account just for that purpose. Now we have just one savings account. This is my 20th year as Treasurer and I inherited an excellent system from my predecessors. Self-insurance of *property* is simply good common sense: ***"Sock it away for a rainy day".***

This year we are having the proverbial "50-year flood" and are being sorely tested. Our year to date (YTD) expenses are about $7,000. That's about *twice* our total 2021 income and about 2.5 times our YTD income.
Catch -22… Our YTD income already is pretty much it for the year. Expenses for rest of the year? No way to tell. So… where did that $7,000 go?

The answer: Our **'Equipment Maintenance & Repair'** YTD is about $5,200. That in itself is about 1.5 times 2021 our total income and about 1.8 times our YTD income. Unfortunately for us and all other "RF" tenants, the owner/managers of our primary downtown site underwent a huge building renovation/rehab and reconstruction project. We were required to move feed lines and other equipment. Catch-22: Its's all but impossible to actually move hardlines. We had to replace them with expensive semi-rigid low loss feed lines and connectors on our various receivers and links. Several of the physical connections of antennae required hiring a professional climber. While all this was all going on, the 76 antenna went bad and had to be replaced. That too required a climber, And so on... The Tech Committee will give you more details elsewhere in this issue and also at the next meeting & potluck. One good thing… we bought more feedline, connectors and other items than we needed and put them into inventory. Those 'reserves' were bought at volume prices and are inflation proof. FYI Sidebar: Did you know that CORC is still using 50 cent forever postage stamps. It's the same logic.

Every Story Needs a Punchline

Bottom line… the fact is that we have to rebuild our cash reserves as rapidly as we can. We do NOT want to do it by raising dues nor do we intend to assess our members. We're asking you to do what you can to help with a donation. We are not asking for any fixed amount. Only you know what that is. We don't.

This is NOT a crisis. CORC is secure. CORC is kind of like your car. Unable or unwilling to use a seatbelt? Your car runs just as good without it. You are just somewhat less safe. We would like to see CORC's seatbelt back to normal safety levels. Again, see **Genesis 41:34-36.**

Please "**Do What You Can When You Can**" and please encourage other public service non-members who use and benefit from our repeaters to also do what they can.

Remember, Central Ohio Radio Club, Inc. is a 501(c)3 Nonprofit Organization under the Internal Revenue Code of 1986. Donations to CORC are deductible to the extent of the law. Our Tax ID is 31-1112619. Our Public Charity Status is 170(b)(1)(A)(vi).

Steven Robeano, Board Member and Treasurer
eMail: treasurer@corc.us

Lead-Acid Battery Storage During the Winter Months

Rick Tressler – WA3UOO

This article was originally published for the winter 2019 issue the CORC newsletter. That said, it's been a while, so a refresher on storing your batteries for the winter months is warranted. The article has been edited for clarity.

Many hams use batteries for portable and EMCOMM use. Depending on their amp-hour rating, these batteries can deliver enough power to operate radios and other equipment for hours or even days. During the summer months, batteries are used quite a bit for portable operations and should be recharged shortly after their use, so they will be ready for the next outing. This is especially true when warmer months turn our attention to field day, public service events, camping and other activities when we like to take our radio gear out into the field. Storage and charging between uses is an important part of obtaining reliable service and long life from your batteries. This article will discuss the basic care and feeding of lead-acid batteries.

Much or our radio gear can be operated using a 12 volt battery. This makes selection and use easy. Proper care of a lead-acid battery can be confusing at times, however. It's important to know that all batteries, including lead-acid types experience "self-discharge", also known as standing loss, which drains some battery energy during periods of non-use. When stored for *too* long, internal components called plates, will become discharged to the point where some of the capacity becomes unrecoverable. Loss of capacity in any battery occurs over time but owners can do a few things to extend life with proper charging and storage.

A 12-volt maintenance free lead-acid battery

Lead-acid batteries should be stored in a fully charged condition and in a cool, dry environment. Higher than recommended storage temperature increases the rate of self-discharge. This is one area where unrecoverable capacity loss can occur. Normal room temperature is recommended for storage. A cool storage temperature will reduce self-discharge. It's better to be on the cool side than warm.

Lead-acid batteries can be stored for up to 6 months before a freshening charge is needed. Nothing can be connected to the battery that would constitute a parasitic load or a battery will be dead when you need it. In addition, you'll need to dig into your pocket for a new one. Such a charge can easily be accomplished by connecting your battery to a suitable charger for 12-24 hours. The battery can then again be placed back into storage for another 6 months.

The use of special chargers called "battery maintainers" has become popular. It's important to know that these chargers deliver a very low rate of charge current - just a few milliamperes. It is enough to keep it fully charged. Maintainers cannot recharge a dead battery, not even one that has been partially discharged, so make sure your battery has been fully charged, then use the charge maintainer.

A battery maintainer used to maintain full charge of a battery while in storage.

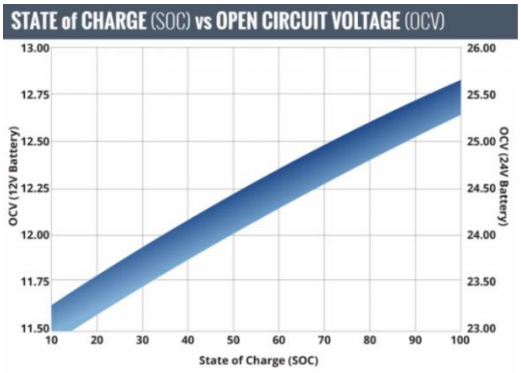
If you're using a battery that requires periodic water additions, be sure to add the proper amount of distilled water ***after*** it has been charged but while still on charge. These batteries are called "wet" or "flooded" with the proper term being "vented lead-acid" (VLA). Adding water before charging is a way to cause overflow, loss of electrolyte and other problems. The tops of the plates are visible when the vent caps are removed. Electrolyte needs to cover the plates. Since most hams use popular "maintenance free" batteries, water additions are of no concern with them.

Battery storage box

There's an old saying stating that storing a battery on a concrete floor will result in fully discharging it. That's false, so don't worry about it. That said, it's not a bad idea to keep your lead-acid batteries in a plastic storage box or tray. Don't use metallic trays. In the event of a leak, cleaning and neutralizing the contaminated are with baking soda and water will be required.

After being fully charged and standing on open circuit for 1 to 3 days, take a voltage measurement. A 12-volt maintenance free battery should read *about* 12.7 to 12.95 volts. Your actual reading may be slightly higher or lower depending on the specific gravity of electrolyte used in manufacture. Maintenance free batteries use 1.310 gravity electrolyte and usually read 12.85 to 12.95 volts. VLA batteries are usually a bit lower because the electrolyte is about 1.280. As the state of charge decreases over time, so will open circuit voltage. Have a look at the state of charge vs. open circuit voltage graph for 12 and 24 volt batteries.

State of charge vs. open circuit voltage (approximation)



Many people think that if they're reading 12 volts, the battery is good. That's not the case. Remember, open circuit voltage decreases with state of charge. So, the reality of a battery measuring 12 volts indicates it is ***significantly*** discharged and in need of recharge. Prolonged periods of storage while a battery is discharged results in a condition called "hydration". It is an unrecoverable condition and should be avoided. Left to stand indefinitely, the voltage will eventually reach 0 volts. It is now a dandy paperweight!

Your batteries will give you long, reliable service as long you take care of them. This includes proper storage and charging. Questions can be directed to me via email at wa3uoo@gmail.com

For Sale: Free

Free to first person in need: A large light oak (about size in inches 62Lx 53Hx 20D) entertainment center in good condition that would make an ideal cabinet for your ham gear or stereo equipment. It has a pullout surface that could serve as a desk for mic or keyboard, gray glass doors and drawer and lower wooden doors. Available for pick up with a truck. It is clean and made of good quality heavy wood.
Contact Trigg K8NIO wttabor@gmail.com if you are interested and can pick this furniture.

CORC Tech Net Season 12!

The CORC Tech Net is back for its 12th season. All nets take place at 1930 on the 146.760 repeater unless otherwise stated. Announcements will be recorded on the CORC repeaters for information about net topics.
Here is a list of upcoming nets for 2022: 10/2: Open Forum Round Table, 10/16: Lead Acid Batteries, 10/30: Wire Antennas, 11/13: Open Forum Round Table, 11/27: Winter Prep for the Shack, 12/4: D-Star Overview, 12/18: Open Forum Round Table. Questions about ham radio or suggestions for Tech Net topics can be sent to technet@corc.us . We hope to hear you on the net!

Travelin' Tony's Timetables

by: Anthony "Tony" Fabro N8RRB

Earlier this year I celebrated my 30th anniversary of getting my amateur radio license. My how time flies! I remember after passing the test waiting for what seemed to be an eternity to receive my license in the mail (yes, things were mailed even in the 1990s). When the letter from the FCC arrived I opened it up and saw my license with the callsign N8RRB printed on the document. How did they know I was a Railroad Buff? People thought it was a vanity call but it was strictly luck of the draw!

When I got my license, I was talking on the radio almost every day. The batteries of my Alinco DJ-560T got quite a workout! Dealing with dead batteries quickly got old so I purchased a used 2M mobile radio (Kenwood TR7625) and power supply as my base station. No more worrying about dead batteries at home!

I also participated in many activities. Not long after getting my license I started participating in the Central Ohio Traffic Net. This net still meets daily at 1915 on the 146.970 repeater. On this net I have learned how to pass formal written message traffic, learned the basics of a directed net, and how to be a net control operator for a directed net. All of these skills have transferred to other areas of ham radio especially in emergency communications.

Over the years I've also participated in the Central Ohio Severe Weather Net as a spotter station, assisted in numerous ARES events, and been associated with several radio clubs (some still existing such as CORC, others which no longer exist or are dormant).

As I've gotten older other hobbies and professional life have eaten into the time spent on the airwaves. To be transparent, ham radio is probably 3rd or 4th on my list of hobbies so it doesn't get the attention it once did. There's so much to do and so little time to do it all!

Many of you reading this have or will go through similar cycles of being 100% into ham radio and then a cycle of not turning on your radios for months (maybe years). Every so often I'll run across someone on the repeaters who comes back to the hobby after a long period of time. They often say the same thing – they knew they would come back at some point but wasn't sure when that would be.

If you were out and have come back – welcome back! If you are new and hear someone who has come back – welcome them back! They may be able to give you some insights how ham radio was "back in the day." Sometimes this perspective makes us appreciate the advanced technologies we now have all that much more.

If you do leave the hobby, know that it will be there for you when you come back. It may look and sound a little different, but there will still be much that hasn't changed and many opportunities to participate in the hobby.

Have a safe day.

D-Star your window unto the World - Updates

By: Wm. Trigg Tabor, K8NIO

What does spending the extra money get you if you buy a D-Star radio? Years ago, I would have said "A lot of work figuring out how the radio works". Today with the new generation of pre-programmed HTs, mobile and base station rigs I would definitely say "…and easy window to the Amateur Radio operators of the world…". There is a new generation of preprogrammed rigs that makes getting ready to use your D-Star rig as easy as picking the system you want to use from a drop-down menu. For most of the systems you will want to use, the manufacturers have greatly simplified the setup work. You are free to enjoy you rig to make contacts and "chew the fat" with amateurs all over the world.

Like analog FM VHF and UHF repeaters, you just have to know where in the world you are but you don't have to program the radio. The repeater book is stored inside the radio's database.

At this writing the advance features on W8CMH are not available. The Internet connection to the site has been under a major Digital Denial of Service (DDoS) attack. A few months back, the last one lasted more than a week. We have a new Internet switch on order that should filter out the bad actors; however, with the supply chain issues that we are going through it is on (Yes, you guessed it) "back order". The last promise was for a Fall delivery. It can't get here soon enough.
Enjoy your journey with Amateur Radio. I have been K8NIO for 65 years and I have enjoyed all of my amateur radio adventures.

The First Central Ohio Repeater, A Brief History, 50+ Years later…

In 1970 Central Ohio hams first became aware of a 146.76 FM repeater.

Early in 1970, John Hull, W8RRJ, and Gary Hedden, WA8JFP now W8JFP, put their heads together to activate a two-meter FM repeater using an old GE Pre-Progress line tube transmitter and an old Motorola tube receiver. The input was 146.34 MHz and the output was 146.76 MHz. In 1971 the receive frequency was changed to 146.16 MHz. to conform to the ARRL band plan. The receiver was connected to a two-meter beam and the transmitter to an omni antenna with vertical separation at W8RRJ's home.

It was on the air late Friday evening before Father's Day in June 1970. The repeater used Marilyn Hull's call, W8WTB/SK, later to become WR8ABV in the middle 70's for a few years before returning to W8WTB.

It should be noted that W8LGL/SK, George Cryder and K8VKA/SK, Ed Schleppi were also putting together repeaters, but were not ready for operation.

It was quickly determined operating a repeater with a receiver and transmitter at the same location without an expensive duplexer caused serious receiver desense. Installing a remote receiver at Oakland Park Ave. later that year provided a vast improvement in receiver sensitivity. This receiver and its COR outputs were sent to

the transmitter in Westerville via a dedicated telephone line. Are you aware a dedicated telephone line back then was less than $5.00 a month?

A second receiver was installed at Ohio Wesleyan University in Delaware. This receiver was sent to Westerville via an UHF link using a Motorola T44 UHF transmitter and receiver. A third receiver was installed at the home of Dee Wheeler, W8GKN/SK, in Reynoldsburg using the same T44 components. With now three receivers it was necessary to come up with a voting system to select only one receiver at a time. This was accomplished using a home made relay race voting system.

It continues to grow… A few years later K8VKA installed a 300 foot commercial communication tower at his home near Canal Winchester. Ed offered this location for a fourth receiver site for the repeater.

In 1972 the 146.76 transmitter was moved to the tower of radio station WCVO in New Albany. The transmitter relocated to downtown Columbus in 1993. The control center remained at the home of W8RRJ and W8WTB in Westerville until 1990.

An autopatch was installed in 1972. It turned out to be a very useful feature. The membership of CORC had increased from a handful of hams to several hundred in 1973. During this same period some broadcast audio cart machines were added to the repeater. These were used to automatically broadcast club announcements, and the famous “repeaterisms”, read by Bill Hamilton, a local radio personality.

In 1975 Comtech purchased a 300 foot tower that was located near route 62 on high ground at the Franklin-Licking County line.

Another receiver was added and this signal was sent to Westerville via another dedicated telephone line. From this site a RF link was established to the Newcomerstown, Ohio 13 / 73 repeater. Links were also established to both Dayton and Mansfield. With these links activated continuous coverage was possible on I-70 from Indiana to West Virginia. North-south coverage was from near Cleveland to near Cincinnati.

About the same time the Dictachron, a talking clock, was added to the repeater. It was necessary to manually record the spoken time for every minute of the day. This took some time to accomplish.

W8WTB sadly become a silent key in 1989. Fred Hull, the son of W8WTB and W8RRJ currently holds the W8WTB call.

In 1990 W8RXX, John Perone updated the controller, voter, and UHF link receivers. The control location was moved to Southern Delaware County. The call of the repeater was changed to W8RXX after W8WTB’s passing. It returned to the original 1954 club call of W8AIC during 2013. The Central Ohio Radio Club’s original license W8AIC was first issued on August 8, 1954.

The club eventually received permission from several commercial tower owners allowing for additional remote receivers to further expand its footprint. It currently has 8 receive locations. You can view a map of CORC’s repeaters at www.corc.us. Click on the Site Info tab then click on “HERE” to view the Map.

The Central Ohio Weather Net originally spearheaded by W8FEH/SK, Stew Banks was started in the early 70's. With the continuing leadership of others this repeater remains the repeater to monitor during weather emergencies. This support to the National Weather Service has been a great resource for them.

The 146.76 repeater has gone through several changes and improvements over the 50 plus years and continues to provide service to central Ohio amateur community today.

CORC ROSTER
10-1-2022

AA8EY	BILL
AC8TZ	GREGORY
AC8VM	RANDY
AC8XP	TROY
AC8YE	LARRY
AD8CM	MARCEL
AD8GU	GLEN
AD8HJ	JOSHUA
AE8FP	FRANK
AF8WX	BRIAN
GARY	GARY
K3ZAA	BILL
K8AMC	CRAIG
K8BRJ	AL
K8CEW	CHRIS
K8DQ	KEN
K8DWR	DOUGLAS
K8EAA	DON
K8KDR	MATT
K8MJ	MICHAEL
K8NEG	NANCY
K8NIO	WILLIAM TRIGG
K8PB	PHILIP
K8RAP	RANDY
K8SAR	STEPHEN
K8SCM	JOHN R
K8VKA	TOM
K8XYZ	JEFF
K8YMG	MARK
K9BE	DAVID
KA2HEM	MICHAEL
KA8CLX	MARK
KA8IWB	LAURA
KA8KVV	MARVIN
KA8LGO	LYNN
KA8RLC	KALMAN Y.
KB6VN	MICHAEL
KB8CIQ	SANDY
KB8DEO	STUART
KB8DRQ	DAVID
KB8KKW	MORY
KB8KTC	LEONARD
KB8PZA	MARY
KB8TRL	JIM
KB8UVF	TOM
KB8UVN	MATT
KB8WO	PAUL
KB8YPW	JANE
KC8ASF	TONI
KC8HAU	JUDY
KC8MQO	DAN
KC8NRE	ANN
KC8NRF	CHARLIE
KC8NRI	BETH
KC8TJV	MARILYN
KC8TUX	JONI
KC8UVC	MICHAEL
KD8ASZ	ROBERT BRUCE
KD8BDO	ROYDEN
KD8BGR	CHARLOTTE
KD8GUA	BRAD
KD8IDJ	JOHN
KD8ISB	TAMMERA
KD8KBX	STAN
KD8LFX	KIRK
KD8LLL	MARTIN
KD8OQA	MARTIN
KD8OZF	MICHAEL
KD8PHG	RICHARD
KD8QFO	GENE
KD8RHR	VICTORIA
KD8RID	RANDALL
KD8RTP	JOHN
KD8SSD	LEW
KD8SYP	BOB
KD8TQE	RICK
KD8TTE	MATTHEW
KD8UNT	MARK
KD8UTU	SUSAN
KD8VRN	WILLIAM
KD8YUA	JEFFREY
KD8YYK	LYNNE
KD8YYP	ANN
KD8ZG	J. ARTHUR
KE8ANW	BRIAN
KE8BBT	SCOTT
KE8BBU	DONNA
KE8BBV	EDWARD
KE8BKR	SANDI
KE8BRN	TOM
KE8BVO	CARROLL
KE8BWI	MICHAEL
KE8BZW	MARK
KE8CLB	KIM
KE8FUR	DON
KE8GTT	SEAMUS
KE8HPA	FRANCIS
KE8HWY	MOTT
KE8HXE	BRAD
KE8ILF	JAMES
KE8IOS	JOHN
KE8IZX	SHAWN
KE8JVX	BRIAN
KE8KBU	ADAM
KE8KJX	DAN
KE8LZB	WILLIAM
KE8MEJ	CHARLES
KE8MGV	ROB
KE8MJD	SCOTT
KE8MVL	BRETT
KE8OAU	SHAWN
KE8OBA	PETER
KE8OLW	GREG
KE8PCT	BILL
KE8PIU	JON
KE8PSL	MARK
KE8PWR	SCOTT
KE8PXJ	CHARLES
KE8QBY	BILL
KE8QDA	STEPHEN
KE8QLC	DAN
KE8QLX	MIKE
KE8RPJ	STEVE
KE8RTF	ROGER
KE8SAU	SCOTT
KE8SFO	DAVID
KE8SGA	WILLIAM
KE8STS	HOWARD
KE8SVT	BRADLEY
KE8TCO	LAURENCE
KE8TNY	MARK
KE8TTH	JAMES
KE8TTJ	RON
KE8UZE	ROBERT
KF8FA	BILL
KF8FA	WILLIAM
KG8DN	KENNETH
KM6KOT	ROBERTA
KN8ITR	MARTHA
KV8Z	CHRIS
N3STG	PETER
N8ABE	MICHAEL L
N8AKI	SYLVIA
N8ART	ART
N8BHL	G. STANLEY
N8DRZ	JOSEPH R.
N8FES	LINDA
N8FXU	TODD
N8HDR	AL
N8MFE	KEMPTON
N8NES	GREGORY
N8OIT	FAWN
N8PCJ	JIM
N8PRB	PHILIP ROLAND
N8PVC	JOHN
N8PVD	JOHN
N8RFY	CALVIN
N8RRB	ANTHONY
N8RZB	CHERYL
N8SQ	STANLEY F.
N8SY	SCOTT
N8VDR	MATTHEW
N8VWQ	ROBERT
N8XYP	KENNETH C.
N8ZQ	PAUL
N9MHZ	MIKE
NA8L	TERRENCE
NI8W	STEPHEN
NL7CF	ALFRED
W1DOD	PETE
W5IEM	STEVE
W8AGS	JOHN
W8CFO	CHARLES
W8CFP	KURT
W8DHS	DENNIS
W8DIC	TED
W8III	GARY
W8JJB	JORDAN
W8JNE	CHARLES
W8JTH	TED
W8KWA	CHARLES
W8KWG	GAYLE
W8LGY	RUTH L.
W8NBA	JOE
W8NRH	DAVID
W8PRR	RICK
W8REH	ROY E
W8RIH	THOMAS
W8RRJ	JOHN
W8RXX	JOHN
W8SGM	MICHAEL
W8SJQ	ROCCO A.
W8WJH	WARREN
W8WSE	BILL
W8WTB	FRED
W8ZCG	AARON
WA3EZN	DAVID
WA3UOO	RICK
WA3ZBU	DONNA
WA8CLT	JOHN
WA8FKC	ANDREW ERIC
WA8KKN	CHARLES
WA8MNC	ALAN
WA8OFF	BILL
WA8OMQ	DEAN
WA8RMC	ART
WA8RR	RICHARD
WA8UZP	JIM
WB1ARO	BRUCE
WB2AOL	JIM
WB8AKW	JOHN
WB8LAP	JOHN
WB8ZTP	MARK
WD8CZG	GORDON L.
WD8JKX	STEVEN
WD8OTO	FRED D.
WD8QWR	PHILIP L.
WJ8ACK	JAMES
WJ8B	ANDREW
WU5W	ANDREA
WX8U	JEFFERY M