



West Valley Amateur Radio Club
EMERGENCY COMMUNICATIONS
Since 1961



SHORTSKIP

Club Meets First Mondays.

Short Skip is a monthly publication. The intention of the club and newsletter staff is education and encouragement for everyone to either become a ham or enjoy being a ham. Articles may be submitted by club members up to two weeks prior to end of month. Email: suncitywvarc@gmail.com



WVARC
Is an
ARRL
Affiliated
Club

Click here
for website:
<https://westvalleyarc.com/>

West Valley Amateur Radio Club Inc is an Arizona
501(c)3 not for profit corporation

A Tiny Satellite or a Spacecraft?

The FCC just released a *Notice of Proposed Rulemaking* and **is seeking comments** regarding the deployment of “small satellites.”

This would include small spacecraft put into orbit for **Amateur Radio** purposes, as well as those launched from non-Amateur Radio sources such as universities, but also using the Amateur Radio spectrum. The NPRM addresses satellites launched primarily by the commercial sector.



Nanosatellites and
picosatellites....
My oh My!
How much stuff is up
there?

And you thought that some drones were tiny...

The FCC will propose that “all applicants seeking to be licensed under the streamlined small satellite process also certify that their satellites will be no smaller than 10 x 10 x 10 centimeters, to ensure that the satellite will be trackable as a space object.” Ten centimeters is almost 4 inches.

[Click Here for ARRL Article](#)

President Says!

Wow! What a reward and privilege to serve as your president. As you probably know I took this position on the run just as the old meeting facility advised us that we could no longer meet there after thirty years.

With your officers and board members we turned over every available stone. There were facilities that didn't want us, there were facilities that were inadequate, and there were facilities that were a compromise. It was our club member **Don Wilson, N9ZGE** who contacted **Shepherd of the Desert Lutheran Church** and asked them to contact me. At that time, April and I had looked at some together. I had about 3 other facilities in mind that were adequate but only marginally. When Cliff Wagner from Shepherd of the Desert called me, I couldn't get over there fast enough! The rest is history.

Our new meeting facility is beyond adequate. The cost is reasonable, the size and layout is perfect. We have an isolated area for VE testing, an available kitchen beyond belief, thick padded chairs, round tables, video and audio, and on and on. One big plus is the warm and friendly relationship that we have developed with the management. I have no doubt that this relationship will last well into the future.

I feel very proud and humble as a result of all the members that have been so extremely supportive. The warm handshakes and smiles and positive comments that I have been receiving are treasured and cherished. The very positive suggestions for improvement are as well. This is all very new to me and your support and kind words are appreciated.

(Continued onto next 2 pages)

NO HOUR OF LIFE
IS
WASTED
WHEN I'TS SPENT
ON THE
HAM RADIO





President Says Continues:

I need to tell you at least a little bit about your 2018 club officers :

Past president and current Membership Chairman, [Jim Rogers, N7YTI](#) has been tremendously supportive and offers his guidance and expertise continuously. Jim has made this transition swift and exciting for me.

Vice President [Ralph Nagel, W9ADW](#) is a great person to work with. He's as sharp as a tack and extremely well organized with a dry sense of humor. One can't help but enjoy working with Ralph.

Secretary [April Kramer, KI7GFJ](#) is unexplainable! She automatically appears wherever she is needed whenever she is needed. She is the most organized and resourceful person I have ever met. Just take a peek at this newsletter!

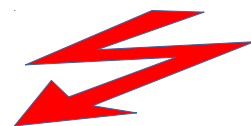
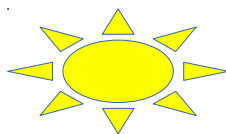
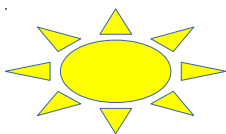
Treasurer [Tom Connor, W7TLC](#) is tops! He knows more about the club and how it functions than one can imagine. Like April, Tom is always there to catch my mistakes and get me back on path. His patience is no less than remarkable.

Board Member [Robert Paul, KG7FIL](#) is the mesh network guy but beyond that, Bob is always willing to assist where necessary. He's laid back but don't be fooled – he's ready to pitch in at a moment's notice.

Board Member [Nancy Collins, KG6QWW](#) is great to have around and shares excellent ideas She always has good ideas and is a very necessary participant.

Board Member [Manny Blanco, KI7QLD](#) is best described as a highly focused bundle of intense energy. This guy works 3 jobs but is always there before you can even ask for his help. He's a great powerhouse and as devoted to our club as anyone I have ever met.

Board Member [David C. Putman, W7DCP](#) is conscientious, totally organized, inquisitive and extremely logical. They don't come much better when you need to reflect your thoughts with someone who truly cares.



Thank you [Harry, AF7UT](#) for your excellent [Fox Hunting Presentation](#) at our new location. Harry demonstrated the "fox" that he designed, programmed and assembled. Members brought antennas and radios to participate. Great job, Harry!

(continues on next page)

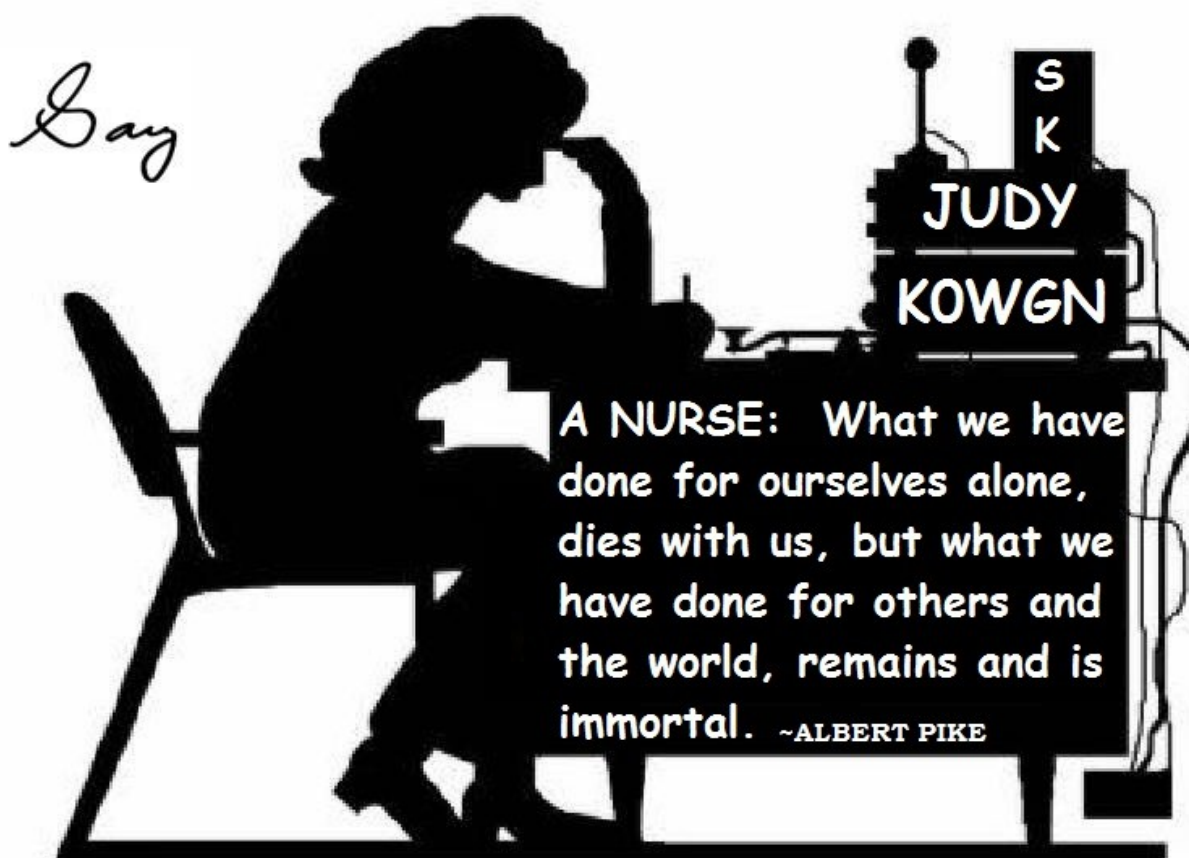


I am very sad to have to note that my dear friend Ray Thompson's (W0IVB) wife Judy (K0WGN) passed away May 4th. Judy was a wonderful companion for Ray. She loved being social and was a kind and compassionate woman. I didn't know her during her nursing activities but she must have been the best!

I know Ray as one of the most devoted husbands I have ever met. When he talks about Judy, he glows. Ray is the kind of person that you can't help but admire and respect. Those of you that don't know Ray should hop on the WVARC nets. He'll be an inspiration for you too!

Please keep Ray and his family in your thoughts and prayers.




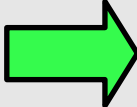








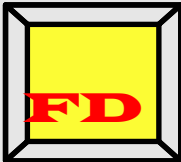



73,



June 2018



<p>1st Monday Shepherd of the Desert Church 11025 N 111th Av Sun City, AZ 6pm Social 7pm Meeting 8pm VE Test</p>	<p>EmComm Meeting 7 PM June 11th Contact Dave P. WA0ZVM Or Bob KG7FIL</p>	<p>JB's (Lunch) 9889 W. Bell Rd. Sun City , AZ 1 PM 5,12,19 and 26th</p> <p>JB's 2 PM Board Meet June 12th</p>	<p>Tivoli Gardens 12535 W. Bell Rd. Surprise, AZ (Breakfast) 7 AM 7,14,21 and 28th</p>	<p>Preparedness Net 8 PM 147.300 1st and 15th</p> <p>Newbie Net 8 PM 147.300 June 8</p>	<p>ARRL FIELD DAY—Contact David Cee W7DCP June 23-24</p>
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10	11	12 	13	14 	15	16
						
17	18	19 	20	21 	22	23
						
24	25	26 	27	28 	29	30
						



Easy Ways to "Sniff" Foxes on Two Meters

From the article: <http://homingin.com/equipment.html>

There is no "standard" two-meter RDF setup for on-foot use by hams in the USA. Every ham who is experienced at it has his or her own idea of what works best in a given situation. Try the various methods described below and see which ones you like most.

Hand-Held Radio Tricks

If you are a typical ham radio operator, all you need to get started quickly and find foxes successfully is your VHF/UHF hand-held radio or scanner and some simple accessories. One way is called the "body fade" or "body shield" technique. Hold your radio tight against your chest and turn around slowly, looking for the direction at which your body blocks the signal most effectively (the signal null). At this point, the signal is coming from behind you. Walk in the direction of the null, taking bearings at regular intervals, and observe the signal strength get stronger.

When the signal is so strong that you can't find the null, tune 5 or 10 KHz off frequency to put the signal into the skirts of the receiver's IF passband. If your hand-held is dual-band (144/440 MHz) and you are hunting on two meters, try tuning to the much weaker third harmonic of the signal in the 70 cm band while performing the "body shield."

Disconnecting the radio's "rubber duck" antenna will knock down the signal even more. Hearing the signal with antenna off is usually a "You are here!" indicator.

The "body fade" null, which is rather shallow to begin with, can be filled in by signal reflections (multipath), nearby objects, etc. When using this method, stay away from large buildings, chain-link fences, metal signs, and the like. If you do not get a good null, move to a clearer location and try again.

Using Directional Antennas

You'll get much more accurate bearings, plus more sensitivity when hunting weak signals, if you use an antenna with forward gain and directivity such as a Yagi, cubical quad, or phased array. The technique is simple, just point the antenna toward the horizon and turn your body in a 360-degree circle to find the direction in which the signal is strongest, just as if you were turning a rooftop TV antenna for best picture. When signal strength is greatest, the high-gain antenna is "pointing" toward the signal source. You could remove and carry the 4-element Yagi or quad that you normally use for mobile T-hunting, but it's rather large and cumbersome. You don't need that much gain and pattern sharpness --- two or three elements will do nicely.

Now for the Fox itself.

The transceiver, battery, voltage regulator, detachable, antenna and Arduino are below:



Harry **AF7UT**

See more pictures on <https://westvalleyarc.com/>

Thank you to Harry AF7UT for the great "Show and Tell" presentation on May 7th at the membership meeting. Folks brought their Yagi antennas, and got a chance to see Harry's "Fox in a Box". Keep your eyes peeled for another club-sponsored Fox Hunt.

You Shoulda Been There!

May 7th
Guest Speaker:
Harry AF7UT



Look for more photos on
<https://westvalleyarc.com/>

From Farm Junk to Ham Gear

Our new club president K9HDU Gary, asked if I would write a small article for the newsletter. Many hams are considered to be somewhat frugal in nature, and I confess to being one of those. Yes, I could have purchased an allied antenna rotator at the time for about \$99.00. In the early '60s, I was bringing home \$94.00 every two weeks, working for Northwestern Bell out of the Anoka, MN office.

So I thought with the junk around the farm place I would build a heavy duty rotator. The pole supporting the rotator, mast and antenna was a surplus power pole. The rotator itself is a 1951 Ford rear end, sat vertical. The bottom end cemented into a foundation in the ground. The gear train consists of the following: wash machine motor 1/4 HP, 1725 RPM to a dryer pulley, then to a lawn mower gear box, to a 1928 Chev

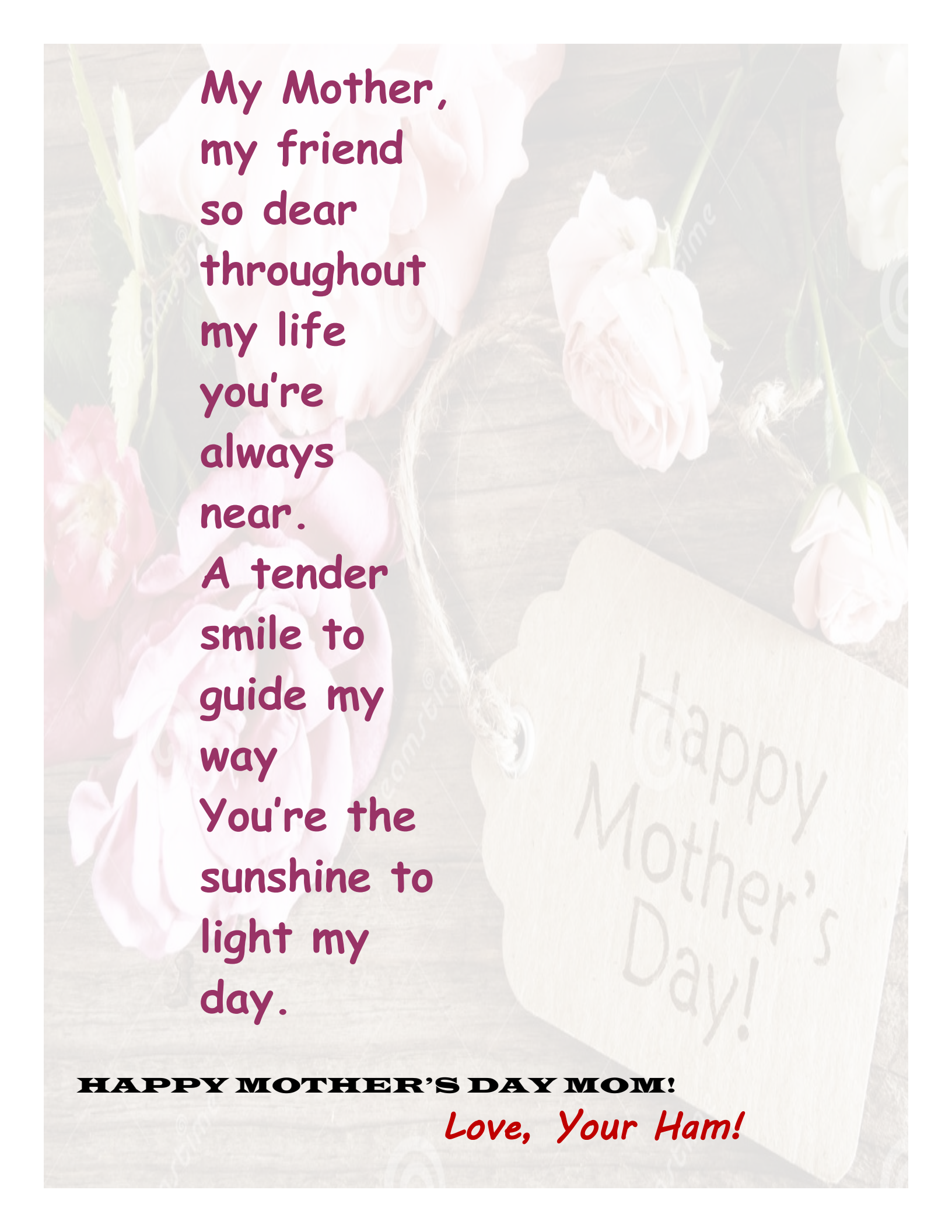


steering sector, and finally to the input pinion shaft of the rear end. The final turning rate was about 1 RPM. Other features are a swivel joint for letting down the

mast and antenna. Using a 1939 John Deere, a hay rope, a wooden pulley at the top and gently lowering it to ground level. Rotation indicator system, 4 micro switches, 4 lights in the shack. We currently use a Heathkit HW2036 for an aux 2-meter rig in Minnesota.

73's

Ralph
WA0IRE

A collection of pink and white roses is arranged on a wooden surface. A wooden tag with a hole at the top is placed in the lower right, featuring the text 'Happy Mother's Day!'. The background is a soft-focus image of the flowers and wood.

My Mother,
my friend
so dear
throughout
my life
you're
always
near.

A tender
smile to
guide my
way
You're the
sunshine to
light my
day.

HAPPY MOTHER'S DAY MOM!

Love, Your Ham!



If you would like the adventure of a lifetime, take a little road trip to Kansas City, MO. A roundup of Amateur Radio operators is taking place across the country to commemorate significant events from WW1, also known as The Great War.

This group, WW1USA, is attempting to bring positive, worldwide attention to The Great War, as well as to the National World War 1 Museum and Memorial, located in Kansas City. **May 12-13, 2018 are the dates for their next overnight event**, and here is their website for more information:

[Click Here for Website](#)

May 28, 1918-Americans Prevail in Battle of Cantigny

The U.S. 1st Division's 28th Infantry Regiment, mounted an assault on the German observation strongpoint, and counterattacks by the Germans failed to dislodge the Americans. See the entire timeline here: [Click for Timeline](#)



This overnight event in May will be their 17th event, and will be held outside on the lawn of the museum and memorial, with an onsite CW station and a phone station. All licensed operators, regardless of class, are encouraged to participate, or just go and hangout.



The museum and memorial are located at 100 W. 26th Street, KC, MO.

For more information, you can contact Herb Fiddick NZ0F at hfiddick@gmail.com, but be sure to look the above website over, as well.

Learn About Our History

THE GREAT WAR

Here is a link to a QST article that was recently written by Randal Schulze, KD0HKD, about WW1USA and their events: [FEB QST ARTICLE](#)

SOUNDS LIKE A GREAT ROAD TRIP TO ME!!!



NEXT EXAM SESSION: Saturday June 2, 2018

TIME: 9:00 AM TO 11:00 AM(ALL tests are finished by 11 AM)

NEW LOCATION: The exams **have moved** from the Library on the second floor to the lounge on the first floor near the elevator. Room 107. Just follow the signs to the lounge.

EXAM INSTRUCTIONS: Bring original and copies of current **Ham license** and **Certificates of Successful Completion of Examination (CSCE)** if you have one, and a pen and pencil.

ARRL VEC **Exam Fee is \$15** for all elements taken once. An additional fee applies for a retest of any element. Retest is at the option of the Volunteer Examiners. Pay Fee by check payable to ARRL-VEC, or pay exact amount in cash, as Volunteer Examiners cannot make change.

May 5th Candidates at DeVry	Administering VE's
	David Morrill N7TWT Liaison
	Verdamae Cutitta KF7UJB
4 Earned Technician Class License	Robert Miner KA7NPQ
	Bill Martin AI0D
3 Earned General Class License	Daniel Ford K2LH
	Joe Cutitta W0SLL
	Steven Miner KI7FQT

SHORT SKIP

ADVERTISEMENTS

UPDATED for MAY 2018



Paul Prinke KF5EU

Victim of: Identity Theft? Stolen Medical Information? Paid an unfair bill? Moving Violation? Need a Will?

Contact me regarding affordable options to protect all that you worked hard to achieve. Call or email me for more information. Mobile: 602-828-2868 or email: PAUL.PRINKE1@GMAIL.COM

Need Computer Help?

Computer consultant: in-home tutoring, problem solving, hardware and software installations, virus detection and removal. I am Patient and professional with 30 plus years in the computer field.

Call Larry, KE7JXQ

L.E. Purchase Computer Consultants, Inc.
1-888-922-9295 or 602-863-0502



MUSIC and VOCALS

Bill Ciccone
623-388-3443



Call now
For
Appointment

* Oldies
* Rock
* Sinatra too!

(Ad) Dress up your radio room with a wood call sign made by Shel Stone.



Small lettering is one inch for \$10.00
Large lettering is 2-1/2 inches for \$15.00
French Cut 4-inch letters are only \$25.00

Call Shel Stone K7SLS at 602-526-0212
Or Email: SHEL_BAR@MSN.COM

(Ad) Real Estate

Are you or someone you know, looking for a Ham Home? I can help you find a home with a tower, or one where a tower can be added. Call or email me to get started!

CACTUSRICH@GMAIL.COM

Cell: 602-370-1450

Richard Haworth
W7MDQ



Newsletter Ad Guidelines:

- * Ads must be submitted by a WVARC club member. (If you are not on the current member roster, you are not a member.)
- * Ads MUST be submitted on or before the 25th of the month which precedes the desired publication month.
- * Please submit the ad as you would like it to appear in the newsletter. A long list of items cannot be accepted.
- * Ads for a business are limited to a 1/4 page or 1/8 page size.
- * For Sale ads are limited to 3 lines of text, and will include your name, your call, the item, the price, a short description and your contact information.
- * For Sale ads will run 1-2 months, with limit of 2 ads per person.

No charge for ads. Use these ads at your own risk. The board reserves the right to refuse any advertisements.

WVARC does not endorse any of these advertised products or services. Email kramer5335@gmail.com

If You Have An Interest in...

EmComm

Contact Dave Porta WA0ZVM or Bob Paul KG7 FIL

[Click Here for ARRL page](#)

If you have an interest in **EmComm** or Emergency Communications, you will soon here the word “interoperability”.

Many individuals from different organizations need to communicate and remain on the same page. Although plain language is appropriate during most incidents, encrypted or tactical language can also be used for security reasons. One of the first things you can learn and memorize is the alphabet I have shown to the right.

PRACTICE-PRACTICE-PRACTICE

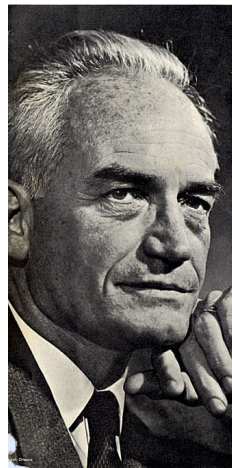
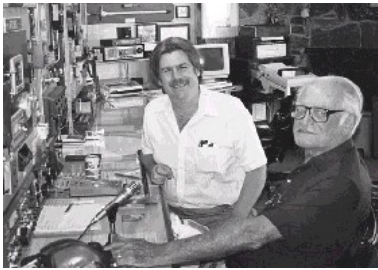
- ➔ First of all, write them down.
- ➔ Second- say them out loud as often as you can.
- ➔ Third- use them EVERY time you are on the radio (at least once for your call sign).
- ➔ Fourth- don't make up words, as these words have been internationally tested.

A- Alfa	N- November
B- Bravo	O- Oscar
C- Charlie	P- Papa
D- Delta	Q- Quebec
E- Echo	R- Romeo
F- Foxtrot	S- Sierra
G- Golf	T- Tango
H- Hotel	U- Uniform
I- India	V- Victor
J- Juliett	W- Whiskey
K- Kilo	X- X-ray
L- Lima	Y- Yankee
M- Mike	Z- Zulu
International Telecommunications Alphabet	

Get familiar with the [United States National Grid](#). Everyone should be using the USNG to relay coordinates. There was much confusion during Hurricane Katrina because there are three versions of Lat/Long and writing them or saying them over a radio is not easy, compared to the USNG. Here is a website with gobs of information: <https://www.fgdc.gov/usng> And how to read the coordinates: [USNG-How to read](#)



Barry Goldwater



Peace Through Strength

"If you have a fellow who says he's going to bury you, you don't hand him a shovel. I would like to think that one day an American President would say, 'You are wrong, Mr. Khrushchev. Our grandchildren will NOT live under Communism. Your children will live under freedom.'"

Taxes and Your Money

"Property and freedom are inseparable, and a man's earnings are as much his property as his land or the house he lives in. To the extent the government takes the one—in taxes—it intrudes upon the other."

Civil Rights for All

"My concern is with this nation—with freedom for everyone who lives in it and who will be born in it. This is the time to attend to the liberties of all, not the demands of the few. Let me be judged by this real concern, and not by what others say about what I think. The key to racial and religious tolerance lies not in laws alone, but in the hearts of men."

Morality in Government

"Where the examples of morality should be set, the opposite is seen. Rather than moral leadership we have been given bread, circuses and scandal. Small men, seeking great wealth or power, have too often and too long turned even the highest levels of public service into mere personal opportunity. Certainly, simple honesty is not too much to demand of men in government, no matter how exalted or protected the position."

- Barry Goldwater

Defeat Through Appeasement

"We are going down any path that can possibly lead to peace. We will meet the Russians halfway, and even further than halfway, if that is necessary."

(*The Berlin Wall, 1961; *The Bay of Pigs, 1961; *Laos "Accord", 1962; *Panama, 1963; *War in Laos, 1963; *Viet Nam, 1964.)

Tax and Spend and Tax

"We are going to try to take all the money we think is unnecessary being spent and take it from the 'haves' and give it to the 'have nots.'"

Civil Rights for Politics

"I am not now and never have been an advocate of Civil Rights."

(*You can't force these things on the South overnight.")

(and then he said)

"We are going to pass a Civil Rights bill if it takes all summer!"

Bobby Baker

(and, Billie Sol Estes)

"I know I should refer to him formally as Secretary to the Majority, but my tongue, even as my heart, says 'Bobby' instead."

(*Baker is my strong right arm, the last man I see at night, the first one I see in the morning.")

- Lyndon Johnson

For the full article go to:

https://www.smecc.org/barry_goldwater.htm

An Afternoon with Senator Goldwater

Author: Ed Sharpe from SMEC (now SMECC) Journal Volume #1, Issue #1 - December 1989

Since we were researching the early history of radio broadcasting in Arizona, we dug out a brochure from KOY that LeeAnn and I used for subject material for another publication we had edited years ago. In this brochure, we read that former U.S. Senator Barry Goldwater had worked for a place called **Neilson Radio** which owned KOY back in the days when it was called KFCB.

We wrote to Mr. Goldwater to inquire as to his remembrances of the early days. We expected only a return phone call, but instead we were treated to an invitation to his house.

The following is a part of our conversation during the time the three of us spent together one afternoon in June.

Ed - Barry, can you tell us a bit about the early days of radio in Arizona, especially dealing with your relationship with the Neilson Radio Company?

Goldwater - Earl Neilson was the first wireless and radio professional. He started out as a mechanic for the Chevrolet dealership company, and he started out building wireless sets at night...

When I was in high school I was interested in radio, so I would stop in and sweep the floor and pick up things... So he finally said I was working for him, and I worked a whole year and he gave me a headset...

Earl Neilson had an amateur call 6BBH. I was an amateur also, and my call was 6BPI.

Ed - What year was this that you started working in Neilson's shop?

Goldwater - In 1922 or 23. I was 15. We built the first broadcast transmitter there. It later became KFAD and now it is KTAR. It was a 250 watt transmitter. There used to be a very prominent family here called MacArthur. They were in the Dodge automobile business on Jackson and Central. We put the antenna on their building and started transmitting... that's about the way broadcasting got started here.

Ed - That station was before KOY then?

Goldwater - Yes! KFAD was first.

LeeAnn - When was the first time you became interested in radio?

Goldwater - I do not remember the exact date, but I remember telling my father I was interested in wireless. I built this little crystal set, and that kind of astounded him. So for Christmas he gave me a little Westinghouse called an Aeriola, Sr. and it helped a lot.

For a transmitter, I used a small Ford spark coil to transmit with. That we later replaced with a larger spark transmitter, and then with a 20 watt rig once tubes became more available.

Ed - I have one of those Aeriola, Sr. radios.

Goldwater - Wow! Those are worth a bundle now.



MARICOPA COUNTY EMERGENCY COMMUNICATION GROUP -
MARICOPA COUNTY, ARIZONA

05/22/2018

Date: Tue 05/22/2018

Status: Open - 2 - 811

Event:

NDMS (NATIONAL DISASTER MEDICAL SERVICE) EXERCISE

Location:

VARIOUS HOSPITAL AROUND THE PHOENIX AREA

Type:

FULL SCALE EXERCISE

Coordinator:

KE7EJF - Dennis Bietry - ke7ejf@cox.net -


Alternate:

WB2SEF - Michael Drapkin - wb2sef@cox.net - 602-524-6900

Notes:

This is an exercise involving the Veterans Administration, National Guard, Northern Command, Maricopa County Emergency Management, Maricopa County Public Health, several cities and many hospitals throughout the Valley.

Approximately 45 hams will be needed to track patients and provide updates from area hospitals to the Maricopa County EOC and the Patient Reception Area. Traffic will be passed in parallel to the Public Safety Radio System to simulate a real situation and demonstrate our abilities. You will be passing traffic and not just sitting at a table with your radio on display.



The drill will begin at 10:00 AM and last until approximately 3:00 PM but hams will need to be at their positions early to deal with any communication issues they may have. This drill will allow you to test your skills to respond to a real disaster and test your equipment.

This drill is on a week day and is a part of the Mass Care Exercise and is worth your time for the experience.

Please contact Dennis - KE7EJF with any questions at ke7ejf@cox.net

- Time Conversion Chart

UTC	EDT/AST	CDT/EST	MDT/CST	PDT/MST	PST
0000*	2000	1900	1800	1700	1600
0100	2100	2000	1900	1800	1700
0200	2200	2100	2000	1900	1800
0300	2300	2200	2100	2000	1900
0400	0000*	2300	2200	2100	2000
0500	0100	0000*	2300	2200	2100
0600	0200	0100	0000*	2300	2200
0700	0300	0200	0100	0000*	2300
0800	0400	0300	0200	0100	0000*
0900	0500	0400	0300	0200	0100
1000	0600	0500	0400	0300	0200
1100	0700	0600	0500	0400	0300
1200	0800	0700	0600	0500	0400
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1900	1500	1400	1300	1200	1100
2000	1600	1500	1400	1300	1200
2100	1700	1600	1500	1400	1300
2200	1800	1700	1600	1500	1400
2300	1900	1800	1700	1600	1500
2400*	2000	1900	1800	1700	1600