



Volume 51, Issue 8

Mike & Key Amateur Radio Club – Seattle

August 2023

President's Report

Carl Reynolds / N7CJR
President

I will start off thanking Manfred for standing in for the July meeting. I wanted to take him with us as the official vacation translator / interpreter, but covering another hotel room, food and round-trip flight was not in the budget.

Austria was quite the culture shock, and a few more centuries of history than the U.S. of A. Paying for water was different and bathrooms required carrying .5/1 Euro coins. We visited Vienna and Salzburg which included a Palace, a Fortress, Eagle's Nest, Sound of Music Sing-a-Long bus tour (forgot most of the words), Mozart's birthplace, the opera, an Abbey, a tower, gardens, bridges, churches, cathedrals, the Danube River, the Austrian Alps, trains, trams, boats, buses and 4 airports. The fortress in Salzburg had a "radio/telephone/telegraph" room replicated in the included picture, but they did not accept my license and was unable to check in to any of the nets while I was there.



Celebrating August Members

By Scott Gilyeat, KC7SAG, Treasurer
As of August 2023, these folks have been Mike & Key members for the number of years stated. Congratulations to all of you, and thank you for your participation and service. Happy Anniversary this month! Each of you makes us who we are.

(Life Member, 25 years or more with the Club)
(Anniversary Certificate)

Years

48	Michelle Cross	WB7AYU
34	Rick Antes	KF7VG
30	Al Hopwood	KB7THX
27	Chuck Jones	N7BV
26	Chris Antes	KC7YES
23	Steven Cook	KD7IQL
22	Richard Pasquier	N7MER
22	Jennifer Pasquier	KF7YGR
18	Jim Aigner	N7MU
18	Kenneth Roger	AD7II
11	Martin Grote	K17JD
10	Peter Glaskowsky	K4PNG
9	Siggi Bjarnason	W7RTF
9	Christopher Rose	AE7XQ
9	Jeremiah Rose	KF7ZPI
8	Tom Helm	WT7S
3	Mike Deal	N7URH
3	Ralph Downey	W7TLD
3	Benjamin Gilyeat	KF7WDD
3	Brendan Keyport	WA7BMK
3	Ralph Lucier	KA7VEE
3	Edward Smith	KJ7OUP
2	James McMurdo	W7JYM
2	John Murphy	W7JSM
2	Patrick Sathyanathan	KG6RYC
1	Darryl Heasley	KK7JE
1	Duke Johnson	KK7EGK
1	Jason Rowsell	KK7HLK



Before the vacation I had a great time at Boeing Field supporting July's 2023 Thunder Run with the following groups: **WCGARP (West Coast General Aviation Response Plan)**, **EVAC (Emergency Volunteer Air Corps)** and **DART (Disaster Airlift Response Team)**. Bellingham and Walla Walla airports were also involved in the exercise. Their mission is to move food and supplies to cutoff areas after disasters using general aviation with support from a network of HAMS for communication. Frank, KJ7CDD, was assigned to handle message traffic using FT-8 and the Mike and Key repeater, but was unable to reach the repeater. Seeing a ladder attached to the hangar I thought Frank's mag mount antenna might do better if it was on top of the hangar. I risked life and limb by repositioning his antenna to the top of a hangar and he succeeded in reaching Tiger Mt.

The hangar was being used for processing food and distributing to volunteer pilots, who would then fly them to Shelton and Hoquiam airports on the peninsula. Most of the food is donated by local food banks and grocery stores. I have included pictures of last year's exercise where I piloted a BEFA plane to Shelton's airport. There's some big carrots. More HAM, pilot or ground support volunteers are always welcome I bet.

I am looking forward to seeing all of you August 19th at the 5 Mile Lake picnic area. Awards will be given out as well.



Antique Radio & Vintage Electronics SWAP MEET

Event is Sunday, August 20, 2023 9 am - 2 pm

Location: NW INNIS ARDEN WAY
Shoreline Community College Parking lot
Corner of 160th & Greenwood Ave

FREE ADMISSION ★ FREE PARKING
Vendors: \$20 per vehicle
Comes with 2 spaces. Set up from 6am-9am.
Bring your vintage electronics to sell.

Ham, Hobby & Music
Ham Gear, Vintage Computers, Amps, Vacuum Tubes, Test Equipment, Electronic Music, Arduinos, Parts

Vintage Home Electronics
Tube and Transistor Radios, Telephones, Gaming, Computers & Keyboards, TVs, Records, Phonographs, Calculators, Reel-to-Reel & MUCH MORE

100 years of radio

repair clinic

demos

PSARA is a social/educational community of: amazing Show and Tells, great conversations, classes, in-person & zoom meetings, many remote members, a wealth of knowledge.
Celebrating our 50th year!

pugetsoundantiqueradio.com

This page is intended to help you sign-up for a space as an exhibitor at the Puget Sound Antique Radio Association swap meet on Sunday, August 20, at Shoreline Community College parking lot, 16101 Greenwood Ave N, Shoreline, WA 98133. A free space will be made available for your organization that will contain a space for one vehicle only in one space and room for a tent, tables and chairs in an adjoining space. Once you sign-up, a mirror hanger will be given to you at the meet entrance area and you will be directed to the proper area.

Requirements:

- 1) We want you to promote your organization to the community. Your organization has the option to sell at the swap meet for just the \$20 entrance fee. In order to qualify for free space in the seller area, (without selling anything) please
- 2) You must provide your own tent (suggested) table and chairs.
- 3) If you have technology to demonstrate that requires power please let us know when you sign up and be prepared that you may need to provide it yourself.
- 4) Do not leave anything behind, please make arrangements beforehand to take everything with you.

Please complete the following information to sign-up:

Name of Organization _____

Please check. Are You a: Non-Profit Organization For-Profit Business

You intend to:

Demonstrate Only To Demo **and** Sell STEM and or vintage electronics (\$20)

Website: _____

Contact Person's Name _____

Contact Person's Phone _____

For any questions or for sending in the form, email exhibitor@pugetsoundantiqueradio.com

A Spare Baofeng and an iPhone 5s – What to do?

David Okrent / W7DOA

“I’ll never do APRS, I don’t want to be tracked,” I said once upon a time. For event management, sure, but in everyday life, no way. Never say never, right. Well, I seem to have found myself with an excess UV-5R and an old iPhone 5s gathering dust in a draw. What to do? [I did tell my extended family, “Anyone who gets a Technician license gets the radio,” but years have gone by.]

Just for those who want to know my walking around set-up is: a Yaesu VX-7r (also does 6m), a triband UV-5AX3 for 220Mhz, and an emergency “FCC legal” version of the UV-5R in my emergency kit. Also, a good thing to have in any emergency HT kit is the AA battery pack accessory. When all else fails, you can grab some AAs. But, as usual, I digress.

The Automatic Packet Reporting System – APRS is a digital mode that transmits short bursts of information which minimally includes the station call sign, location, and an identifier with regard to the equipment (SSID). It can also contain weather station telemetry, text messages, announcements, queries, and other telemetry like for a wayward amateur radio balloon. Locations and movement tracks can be shown on an internet available map. The system was invented by Bob Bruninga, WB4APR (SK), and, as you can see, APRS was a play on his call sign.

Because “I don’t want to do APRS,” I wanted to go with the least costly set-up for my experiment. I knew I needed four

things: radio (check), computer for software (check), terminal node controller/modem (need), and a cable to attach the items together (need). Research time.

The cable for a Baofeng was about \$25 (BTECH APRS-K2), also fits a Kenwood HT, and although I could make my own, it didn’t make sense to me at this price. The cable has a TRRS jack on it and to use a newer iPhone or a contemporary Android you will need an adapter as these do not have a TRRS receptacle. Although I have both adapters, I didn’t need them as I was using my iPhone 5s with can take a TRRS.

Next, I needed software, All the reviews I read pointed to the APRSdroid (freeware) as the best application, but alas, it’s not for iOS. For iOS I went with aprs.fi. Yes, it cost \$7 to download the receive-only version and \$7/year if you want to enable transmit and messaging. I paid both costs, actually \$13/year as it was his real fair market price. What about the TNC? No problem as both applications have a built-in software emulated TNC for ASFK. But they will also interface with hardware TNCs. You can beacon via the Internet, transmit, or both from the software and it will come up on the aprs.fi website

Configure the software. Look for a menu item called ‘Help’ and there are some resources online, for aprs.fi, but less than for the Android version. Attach the cable to both devices. Here are my radio settings and steps:

- Set "battery save" mode to OFF (menu #3).
- Set TDR-AB (menu #34) to A - this ensures your radio transmits on channel A.
- Set STE to OFF (menu #35)
- Set RP-STE to OFF (menu #36)
- Turn "roger beeps" off (menu #39)
- Set VOX on to 4 (menu #4)
- Set radio to 144.390 on A channel and set the priority arrow to A
- Turn notifications off on your phone
- Attach the cable.
- Activate the application, set it for its TNC and turn on the radio

Okay, the first time, second, ...eighth time the radio locked into transmit mode no matter what value I set the for the VOX. I did some research online and one person used a capacitor to nullify a 500 kHz signal, but on my scope, it wasn’t there. The person had the K1 and it appears the K2 fixed this issue. Then, I remembered, the BTECH cable came with an adapter cable and that reminded me that Apple didn’t use the standard wiring for their TRRS jack. Voila, it works; I am sending and receiving packets.

Well, not receiving and decoding all packets via the Baofeng. The squelch causes some received packets to be incomplete; therefore, they will not decode. This is due to the time it takes for the radio to open the squelch. However, if you set the squelch ‘off’ then VOX will not work. If you want to ensure all received

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K7LED Relay

packets are complete and decodable then you have to trigger PTT with the VOX and squelch off. This means you have to create a PTT triggering circuit. Stay tuned, I just ran out to get some parts.

Is texting to SMS next? Maybe, but only to demonstrate I can since APRS is primarily in cities, which also have great cell coverage; therefore, I don't see a

need. Will I connect my VX-7R? Yes, because well, why not.

So, what's in your pocket?

Club Storage in Covington

Scott Gilyeat / KC7SAG



Address: 26901 185th Ave SE, Covington, WA Unit #: 3081

Rented Size: 7.5' X 10'
Usable Size: 7' X 9.5'

Racks: 4 – 48" X 24" X 78"
Keys: 6

Hours: 6AM – 10PM 5AM – 11PM

Cost: \$69 per month, First 3 months half price

If you have any equipment that is owned by the club, please contact Scott Gilyeat, 206-276-9547 or kc7sag@gmail.com



HIGH DESERT HAM FEST



Presented by

High Desert Amateur Radio Group
501(c)(3)



Central Oregon Amateur Radio
Emergency Communications Team
501(c)(3)



www.HiDARG.org

2ND ANNUAL HIGH DESERT HAM FEST

Deschutes County Expo Center | High Desert Activity Center
3800 SW Airport Way Redmond, OR 97756

Accommodations options

Reserve your RV site at Expo Center RV Park*
Offering 30a/50a full hookups

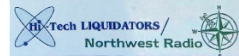
541-585-1569
<https://expo.deschutes.org/p/rv-park>
*not affiliated with HiDARG

Super 8 by Wyndham
There will be a block of rooms reserved here.
Be sure to mention HiDARG Ham Fest to qualify for special rates!

Win Prizes!

You could win one of these great prizes:

- FT-991A
- FTM-300DR Mobile
- Anytone AT-D878UVII+ HT
- GP6-Dual Band antenna, and more!!!



Saturday
September 30,
2023
8:30am
to
3:00pm

What to expect

- Local and regional vendors
Special commercial vendor rates apply. Contact us for more information.
 - Seminars (TBD)
 - Test sessions for Technician, General, and Extra |
✉ Contact Max KF7MAX (kf7max@arrl.net) before the event
- Online registration will open on July 1, 2023



MIKE AND KEY ANNUAL SUMMER PICNIC

Let's beat the heat and have a picnic at the LAKE!!

When: Saturday August 19th, 2023
Where: Five Mile Lake Park
36429 44th Ave S, Auburn, WA 98001
Shelter #2

YEEHAW, IT'S ALMOST TIME FOR THE ANNUAL SUMMER PICNIC!!

Once again, we will have the yearly **family** picnic at the Five Mile Lake Park. The address and directions are on the Mike & Key ARC webpage under Club Activities/Summer Picnic.

After a Hot July, the weather has cooled a bit and we even got a bit of rain. But it's recovering and predicted to be in the low 80's on the 19th. In any case, it will be a great day for a family picnic, because any day you can get out with friends and the Mike and Key families means it's going to be a great day!! Yes, that's right, be sure to bring your family or significant other. My fantastic wife, Annie, and I are again chairing this affair.

We have the shelter from 9:00 am till 2:00 pm. However, we can continue at the park after 2 pm, just not in the shelter. So, the plan is to arrive at 8:00 to setup, some assistance in setup would be appreciated. Since this is a club meeting date, the meeting will occur in the shelter at the normal time of 10 am. Arrive early for coffee, doughnuts, and the normal rag chew, plus get good parking. **Please attend** as we need a quorum, to conduct any business, including voting in new members.

Speaking of NEW MEMBERS, we have had quite a few join the club in the last couple of years. The picnic is a great time to meet in person under a relaxed picnic atmosphere. We look forward to seeing you there so we can get more acquainted.

Of note regarding the Shelter. There are a limited number of picnic tables, four for sure. We will try to assure we have more. If you have a folding table that you might be able to bring, contact me at n7nw.hal@comcast.com. We may need a couple more.

We will fire up the BBQ's and begin cooking at around 11:00. Hamburgers and Hot Dogs with all the trimming will be provided along with water and soft drinks. Please bring a side dish (Chips, salads, desserts). (If you don't have anything to bring, that's okay as we always have plenty)

At 2:00 pm we will clear out the Shelter. Bring lawn chairs for setting up outside of the shelter area. We will continue to have snacks and drinks till 3:00 pm or whenever we decide to break up.

There is plenty of room for games and the lake is excellent for swimming and boating.

What I need to know, so we can plan the food, is how many folks will be coming. **There is a picnic signup** on the Mike and Key website at mikeandkey.org/picnic.php. You can also reach from the Activities pull down on the home page. I need your name, call, how many in your party. We don't need to know what side dish this year. I want to be sure we have enough burgers and dogs for all.

Hal Goodell and Annie Rosello, Picnic Chairs

Hope y'all come!!

CW Academy

Folks frequently come up to me at Club meetings and ask about the best way to learn CW. I usually recommend the CW Academy. The next set of classes are coming up, starting in September. There are 4 levels.

- The Beginner level, as the name implies, is for people who have little or no Morse code knowledge.
- The Fundamental class is for people who have learned the Morse code characters and can send and receive CW at about 6 words per minute and wish to increase that capability to about 12 words per minute
- The Intermediate class is for people who can send and receive Morse code at a minimum of 10 words per minute and wish to increase that capability to about 20 words per minute
- The Advanced class is for people who can send and receive Morse code at a minimum of 20 words per minute and wish to increase that capability to about 30 words per minute

Classes at the CW Academy are free of charge. The advisors and staff are volunteers who have a passion for CW. Classes are eight weeks long and held in January - February, May - June, and September - October. Classes meet twice a week for about an hour. Between classes the students have daily homework assignments which will take about an hour to complete.

If you are interested, check out the registration page at <https://cwa.cwops.org/cwa-student-registration/?strpass=100>

If you have an interest in CW, the CW Operators Club may interest you. Check them out at <https://cwops.org/>

N6CHU Tower Raising

Bob Huntsman /N6CHU

"THE CRANE IS COMING UP THE DRIVEWAY"
Greta yelled, and we knew it was time to "prove it's all gonna work".

It had been 2 ½ days in the early summer sun, getting the tower sections mated, secured and cabled, and assembling my trusty Cushcraft A3S/A744 for its third deployment, this time atop a 60 foot freestanding tilt-up (not crank-up) aluminum tower in Graham, WA. (Previous uses of the A3S involved a 30' pushup TV mast atop two different houses in Orange County, CA with a CD-45-III rotator.) This time we've upgraded to a HAM-IV.

With help from Bob Murphy (W6RJM), a long-time first-tier Amigo and Dxer who came up from Northern CA to get this project finished, we got everything assembled, checked, and double-checked with half an hour to spare before Marty the Crane Guy arrived. Local volunteer and M&K member Michael (KJ7VID) arrived at





the same time; we got the crane rigged for the lift, and mated the antenna with the tower. Then, up she went!! Smooth, easy pull, about 300# of force required at that angle, according to Marty. (Tower alone weighs only 170#)

Credit goes to DX Engineering's customer service dept., as well as Universal Towers for their answers to a few questions I had.

This project was more than a year in the planning and execution, including 3.75 yards of concrete for the tower base that was poured last November.

Tower Stats: Ordered: 8/16/2022
 Shipped: 10/27/2022
 Received: 11/08/2022
 Base poured: 11/17/2022
 Assembled/Erected: 07/23/2023

Here to There: Radio Wave Propagation

Jim Hadlock / K7WA

I just received my copy of the new ARRL propagation book "Here to There: Radio Wave Propagation", edited by our friend Ward Silver, N0AX, with input from Carl, N9LA, Frank, W3LPL, and others.

It is a totally worthwhile addition to my ham radio library and a worthy replacement for the classic "Shortwave Propagation Handbook" by George Jacobs,

W3ASK, and Theodore Cohen, N4XX, first published in 1979. The new book puts all the propagation information you'll need in one resource, including up to date explanations of how our signals get from our stations to the DX we're looking for.

It's a great resource for all hams, from VLF to UHF.

Two other resources to mention: Ward has an article about summer propagation on the DX Engineering blog "On All Bands": HF Summertime Propagation... with Propagation Advice for Field Day <https://onallbands.com>

Carl Luetzelschwab, K9LA, has an excellent propagation website: <https://www.k9la.us>

Pacific Beach 2023

Oct 11th – 16th
 Pacific Beach, WA

This will be a fun filled week to meet fellow hams interested in

getting out of the shack to play radio.

Bring your go kit/bag. This will be a great opportunity to show

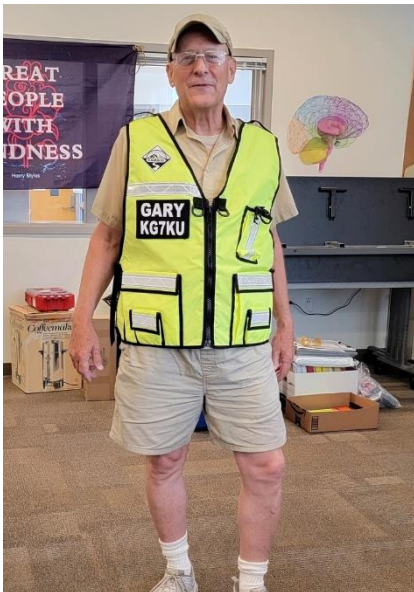
off your equipment and see what other hams are using as well.

<https://hamradioadventures.com/pacific-beach-2023>

RAMROD 2023

Gary Bryan / KG7KU

The Redmond Cycling Club held its annual RAMROD (Ride Around Mt Rainier in One Day) event on Thursday, July 27. This inspiring event includes the resources of many Amateur Radio volunteers, who collectively provide Course Communications. Among the leaders: RCC Command - George AE7G, and OPS Command - Matt AE7MK. It was a wonderful day! 27-July-2023.



As Seen in QST

Remember the Repeater-based Contest that happened locally last November? There is an article in the July 2023 QST (Club Station, page 86) that discusses the development and results of that activity.

Recently, we've had articles and programs about NVIS (Near Vertical Incidence Skywave) propagation. There is an article about the successful use of NVIS to solve communication issues in a race event supported by Ham Radio. It is also in the July 2023 QST (page 61).

In the August 2023 QST, there is an article on Steps for Organizing a Successful Hamfest (page 80).
Hmmm... Wow! Think we could do that?

Salmon Run 2023

Michael / N7WA

The 2023 edition of the Salmon Run is the weekend of September 16th and 17th. Yes, that is the same weekend as the September Club meeting. The Salmon Run is a considered an

official Club Activity and, if you want, you can skip the meeting but still get credit for attendance. (Just submit a log.) Else, you could attend the Club meeting and go home and work the Salmon Run.

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This is a QSO Party style contest; everyone outside Washington State is trying to work stations INSIDE Washington State. Counties are point multipliers. You can find the rules at <http://salmonrun.wwdxc.org/rules/>.

Doing a single or multi-op from a home station can provide a lot of entertainment.

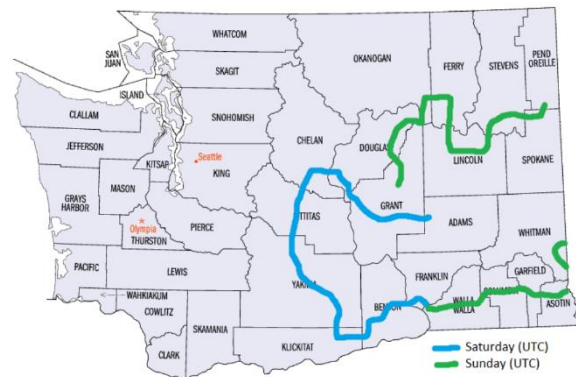
Even more fun is to get together with a friend or two, go out Field Day Style to a rare county, and PUT IT ON THE MAP. There are some counties that would simply be not available except for mobiles and portables (we call them Expedition Stations).

You could also combine your Salmon Run efforts with SOTA or POTA activities.

If you decide to do this, please let folks know at <http://salmonrun.wwdxc.org/activate-a-county-2023/>.

K7LED Relay

For example, Randy K7TQ and I will be activating all of Eastern Washington. You can find our schedule at <https://sites.google.com/site/randyk7tq/home/2023-salmon-run>



Join the fun, this is your chance to be on the receiving end of the pileup.

Looking Ahead to Swap Meet 2024

Michael / N7WA

In just 7 months, we will be looking forward to Spring and the 2024 Swap Meet will be upon us. Before that happens, a number of activities will need to occur.

In September, I will request that the ARRL sanction our event. That gives us access to mailing data for our flyers, advertising in QST, and door prizes. The Registration database will get pulled forward from last year's event and populated with those folks who pre-registered with us from the 2023 event. Finally, we will need to update the flyer and order our flyers. Pricing will change for 2024.

Going forward, we will hold our first organizational meeting in October. Right now, that is expected to be

October 10th at about 7:15PM. Doing the Swap Meet meetings on ZOOM has been beneficial so we will continue using it. Everybody is welcome. By that meeting, it's important that last year's Chairpersons please let Hal N7NW, or I know if you are continuing for 2024. I know we need a new Chairperson for the Country Store. If that interests you, please speak up.

Worker signups should go online by November. We will need some volunteers to label flyers in November/December time frame. Details to come.

Please reserve Saturday March 9th for the event and Friday March 8th for setup if your schedule will allow.

We ran pretty lean last year. I am looking for more volunteers in 2024. Last year was great in attendance and table sales. We did better than 2019. Let's hope we are past the pandemic's effects.



Keep watching the Relay for updates in the coming months.

Mike & Key ARC – General Membership Meeting

Date/Time: July 15, 2023, 10:00 Pacific

[Kent Senior Center, 600 East Smith, Kent, WA](#)

Attested to by Jeanne Yearian, Secretary

Presentation on Rabbit - A new digital text messaging mode for VHF/UHF emergency communications David Okrent W7DAO Pierre Deliou W4CKX 10:00 AM

Manfred Bester, AG7NR (Chairman of the Board) standing in for President, Carl Reynolds N7CJR: Call to Order (TBD Pacific) 11:00

Manfred Bester, AG7NR (Chairman of the Board) standing in for Vice President, Paul Petach KI6QXV: Verified a quorum is present

Motion to approve minutes Gil Daynan, W7GIL; Second: Al. Approved with no dissention

Agenda:

Call to Order (11:00 Pacific) Manfred Bester

Establishment of quorum (Secretary): Quorum present
Approval of previous General meeting minutes: Motion made by: Gil Daynan, W7GIL; Second: Al. Voted Yes 100%

Reports

- President (Manfred, AG7NR for Carl, N7CJR):
- Vice President (Manfred, AG7NR G, standing in for Paul, KI6QXV): New membership applications (1): Phu Huynh, KI7TYK; Approved by the General Membership
- Secretary (Jeanne, KE7MES): No report
- Treasurer (Scott, KC7SAG): Membership status: 303 active, some removed. Reminder: Please pay your dues to keep current.
 - Books are in order; Special expenditures for hardware to support Zoom meetings, Covington Life Storage rental space, plus shelves and locks for totes in storage
- Activities Manager (David, W7DAO): No report
- Radio Officer (Hal, N7NW): Repeaters are working well. Hal took first trip up to Gold Mt. It has a very large, nice building with just a few amateur repeaters. We have a rack with an old GE station used as a link between Gold Mt (1700 ft.) and Tiger Mt. (3,000 ft.). Can have 2 stations in there. We do have an antenna but nothing operational at this time. We have our own building on Tiger Mt. We are looking forward to upgrading the equipment. Suggestions welcome! Keep in mind we need to promote EmComm.

Standing Committees

- Technical & Special Interest (Ash, KK7GFG): After a slow start, things are beginning to move. Robert Christian KJ7CBO is going to be co-hosting. Suggestion to bring back the fox hunt for the picnic.
- Public Service (Robert, KD7WNV): No Report
- Education & Training (Jeff, N7FCC - not present): No report
- Membership (Manfred, AG7NR): Received the sad message during Radio Camp / Field Day week that David Smith, KB7PSN, became a Silent Key; Memorial service was held on July 3 in Renton; He will be sorely missed. Just this week we lost another member, DB Baker, WA3DB.
- Facilities & Publicity (Alex, W7AEM): Any feedback from the last General Meeting at the Kent Senior Activity Center? Hal, N7NW, noted that in the 1970's Kent was the original seat of the Club; Should try to find a larger room; City of Kent facilities reservation process: See Kent Facility Rental Guide; Salvation Army has a new facility in Bellevue for rental at \$60/hour; Need to work on a survey to get feedback from the membership as to location preferences.
- Repeater: See Radio Officer report above.

Publications & IT Support

- Relay Editor (Mike, N7WA): Requesting articles for the Relay issue
- Web Master (Vacant): Need to find a new web master and IT support lead; There will be further discussion at the next General Meeting.

Essential Committees

- Audits: N/A
- Awards (Scott, KC7SAG): Awards were ordered and will be handed out at the Picnic; Award Committee members: Manfred, AG7NR, will reach out to the committee as to who will be the new chairperson after David Smith, KB7PSN, became an SK; Awards to be presented at the picnic: Swap Meet and Field Day MVP; 25/50-year Membership, Pop Brown and Past President
- Finance (Scott, KC7SAG): Swap Meet audit report (see June General Meeting) Although the 2024 budget is not due until December, Scott has been asked to put together a projection of expenses for 2024 to see if we will be able maintain the current membership fee or whether the yearly fee needs to be increased to keep up with rising prices.
- Strategic Planning: No report.

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K7LED Relay

Event Committees

- Swap Meet (Hal, N7NW): Will start planning the 2024 Swap Meet in Oct. 2023
- Field Day (David, WA7DY): Great time on Field Day. We had 18,706 points, 32% over last year's total. Some highlights from the day: Thanks to George, GOTA scored over 5,000 points, 10 times more than last year's totals. Set up and tear down was great. But not enough digital operators! 15 meter station had 622 QSOs, twice the normal amount. CW beach was a stalwart, with 1,588 contacts. Two updates on Fort Flagler: A chance the barracks may be back next year. If you want to donate to Friends of Fort Flagler, they are a valid group doing some restoration and renovations.
- Picnic (Hal, N7NW): To be held on August 19 at Kitchen #2 at Five Mile Lake Park in Auburn, WA. A general meeting will be held at 10:00. Please sign up. This is a family event. Additional information will be sent out.

Old Business: N/A

New Business

- IT support (includes Club web page, Google docs, background processing, Facebook, etc.): Scott, KC7SAG, has offered assistance and is waiting to hear back from Dan. Carl, N7CJR, can assist with Facebook. He will get in touch with Dan, KG7DAB. Suggestions being solicited for helping out.

Good of the Order

- Bob Huntsman, N6CHU/7, a week from tomorrow he will be putting up a 40-ft tower in Graham. Any help would be appreciated.
- Gil was at a ham radio event where there was not mic management
- Several weeks ago a hex beam antenna was installed on Steven Olsen's (KK7CQW) house. 3 men from the club came to help out. Antenna is working great. Thanks to all!

Next Meeting

- August 19, 2023, 10:00 Pacific

Adjourn

- Motion to adjourn at 11:41 by Gil Daynan, W7GIL; Second: Dan Stevens, KL7WM. Approved with no dissent.

Mike & Key ARC – Board Meeting via Zoom

Date/Time: August 1, 2023, 18:45 Pacific

Participants:

Carl Reynolds, N7CJR (President)
Paul Petach, KI6QXV (Vice President)
Jeanne Yearian, KE7MES (Secretary)
Scott Gilyeat, KC7SAG (Treasurer)
David Okrent, W7DAO (Activities Manager - not present)
Hal Goodell, N7NW (Radio Officer)
Jeff Hite, N7FCC (Trustee #1 - not present)
Ash Thornton, KK7GFG (Trustee #2)
Robert Grinnell, KD7WNV (Trustee #3)
Manfred Bester, AG7NR (Trustee #4 - Board Chair)
Alex Malesis, W7AEM (Trustee #5)
Michael Hansen, KG7MX (Volunteer Counsel since 1991)
Mike Dinkelman, N7WA (Relay Editor)
Steven Cook, KD7IQL (Visitor)

Agenda:

Call to Order (19:00 Pacific)

Establishment of quorum (Secretary): Have quorum
Approval of previous Board meeting minutes: Motions Paul, KI6QXV; Carl, N7CJR; Vote: Yes 100%

Reports

- Chairman of the Board (Manfred, AG7NR): No report
- President (Carl, N7CJR): Reported on travel to Austria (see upcoming Relay article)
- Vice President (Paul, KI6QXV): New membership applications (2): Karen Oi, K4KOI; Mark Hamann, KI7BDA; Both were approved by the Board
- Secretary (Jeanne, KE7MES): No report
- Treasurer (Scott, KC7SAG): 2 members removed due to lack of payment; 1 requested to be removed, 1 reinstated; Several address updates in the roster; Books are in order
- Activities Manager (David, W7DAO - not present): No report
- Radio Officer (Hal, N7NW): No updates on Tiger Mountain (3,000 ft); Visited Gold Mountain (1,700 ft) with Steve, KD7IQL and Dean, N7XS to inspect installed equipment; Need to work out in the Repeater Committee what to do with the site, maybe use as a remote site for a second UHF receiver for Tiger Mountain, or HamWAN link between Seattle EOC and Camp Murphy; Next trip to Tiger Mountain is planned for later this summer

Standing Committees

- Technical & Special Interest (Ash, KK7GFG): Worked with Robert, KJ7CBO; He has been running some of the committee meetings; Talking about a fox hunt during the picnic

August 2023

- Public Service (Robert, KD7WNV): Nothing new to report; Several events occurred (e.g. RamRod); These were adequately staffed to support the events
- Education & Training (Jeff, N7FCC - not present): No report
- Membership (Manfred, AG7NR): No meetings held for several months
- Facilities & Publicity (Alex, W7AEM): Kent Senior Activity Center rented for General Meeting in September; Looking for feedback to schedule for November/December; Scott, KC7SAG reported that LifeStorage is now called ExtraSpaceStorage
- Repeater (Hal, N7NW): See above

Publications & IT Support

- Relay Editor (Mike, N7WA): Relay articles due by August 11
- Web Master: TBD

Essential Committees

- Audits: N/A
- Awards: Talk to Tim, K7ANE and Dean, N7XS to firm up plans for the awards presentations at the picnic
- Finance: N/A
- Strategic Planning: No meetings held

Event Committees

- Swap Meet (Mike, N7NW; Hal, N7NW): Need to adjust revenue stream for the Club; Rental fees for Fairgrounds have only increased by relatively small amount; Hal, N7NW proposed to increase admission fees from \$10 to \$12, sellers \$12, helpers from \$11 to \$14; Tables would potentially stay at \$25; Swap Meet Committee to come up with a proposal; Drop date is in September
- Field Day: N/A
- Picnic (Hal, N7NW): See sign-up web site on Mike & Key web site; Need to know how many will attend

Old Business

- Scott, KC7SAG and Michael, KG7MX: Looked into option for online data storage (Option: Microsoft 365); Microsoft determined that Mike & Key ARC is a "Hobby Club" and does not qualify under Microsoft's "philanthropic scope"; ARRL confirmed that Mike & Key is a Public Service Club; IRS determined that Mike and Key ARC is a 501(c)(3) organization; Not sure how to proceed from here
- Carl, N7CJR: IT support (Club web page, Google docs, background processing, Facebook, Groups.io, etc.); Will try to contact Dan, KG7DAB
- Financial planning for 2024 (Scott, KC7SAG): Need to have a policy change approved and published for members who already paid in advance for upcoming years; Discussed budget trends, will need to review at the next Board meeting

K7LED Relay

- Carl, N7CJR: Robert, KJ7CBO has not received any response from WADOT regarding the I-5 free-coffee event
- Carl, N7CJR: Has not been able to get in touch with Tim, WV7TIM regarding an award for the boy/girl scout team that helped at the last Swap Meet
- Carl, N7CJR: Supported the Thunder Run event with communications

New Business

- Treasurer transition (Global CU): The Mike and Key ARC Board requests the Global CU signature access be updated to remove David P. Smith and add Scott Gilyeat.
- Treasurer transition (US Bank): The Mike and Key ARC Board requests the US Bank signature access be updated to remove David P. Smith and add Scott Gilyeat.

Good of the Order

- None

Action Items

- Carl, N7CJR, to touch base with Dan, KG7DAB, to discuss succession for the Club's IT support
- Carl, N7CJR, to discuss with Tim, WV7TIM, how to best reward his boy/girl scout team for helping at the last Swap Meet
- Manfred, AG7NR, to draft a policy to define handling of prepaid membership dues for upcoming years
- Manfred, AG7NR, and Alex, W7AEM, to work on a membership survey to support selection of a facility for General Meetings
- Manfred, AG7NR, to follow up with Board members to sign the annual conflict of interest forms
- Hal, N7NW, to assemble a list of responsibilities and duties for the Club's Radio Officer (in preparation for recruiting a potential successor)

Next Meeting

- September 5, 2023, 18:45 Pacific (Remotely via Zoom)

Adjourn

- Motion to adjourn: Carl, N7CJR; Paul, KI6QXV at 21:02 Pacific



Picnic 2022



Contact Us:

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Message Bd/Reflector: <https://groups.io/g/mkarc>

Website: www.mikeandkey.org

Officer contacts info:

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Renton, WA 98057-4234

The club website includes extensive information about our activities, events, VE testing, membership, past editions of the Relay, and more.

The Mike and Key ARC is an ARRL affiliated club dedicated to the growth and betterment of Amateur radio. The annual dues are \$12 for individuals and \$18 for families. Visit our website for meeting, membership, and other information



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