

K7LED RELAY

Vol. 49, Issue: 11

Mike & Key Amateur Radio Club - Seattle

November 2021

Celebrating November Members

Jim Kiniry Jr., KE7JIM

Congratulations to the members having Mike and Key anniversaries this month. Thank you for your participation and service. Each of you makes us who we are.

Name	Call Sign	Years
Richard Bridges *	N7YOB	29
Gil Drynan *	W7GIL	28
Joe Langjahr *	KJ7DG	27
Dick Radford	WA7NIW	21
Dave Mackin	KB4ERF	20
Hideki Saito	WU7J	19
Adam Koczarski	K7ARK	16
Tim Kane	K7ANE	15
Robin Carter	WA7BRI	11
Don Heaverlo	KF7ZED	9
Ron Lentz	AG7RN	3
Alex Malesis	W7AEM	3
Bronwyn Thomas	KJ7KAK	2
Ryan Frederick	K7NZE	1
Michael Jarchow	W6TS	1
Megan McLaren-Adams	KN4VUW	1
Bob Nunes	KJ7RAN	1

*Life Member, 25 more years with the club.

Please send any Roster changes or updates to treasurer@mikeandkey.org.

Honoring the Hams Who Served

The 11th hour of the 11th day of the 11th month marked the end of hostiles in World War 1. Today it's a national holiday, Veterans Day; a time to honor all those in the armed services that have, and are, serving our country. For us hams we can also reflect on the fundamental role amateurs played during these conflicts. When WW1 shutdown amateur radio the military gained a corps of "ready to go" seasoned radio operators who not only played a vital role in this new type of communication during combat, but also advanced the science along the way. This month consider taking some time to reflect and learn what it was like to serve as a radio operator during times of conflict – including the most dangerous of jobs, radio operator of a clandestine intelligence station. Thank you all who have served.



Some related links:

dp.la/exhibitions/radio-golden-age/radio-frontlines

earlyradiohistory.us/sec013.htm

Women's Radio Corps

en.wikipedia.org/wiki/Women%27s_Radio_Corps

**USPS Mailed K7LED Relay Newsletter
Ending December 2020**

Jim Kiniry, Jr., KE7JIM, Treasurer

At the November 2, 2021 Executive Board Meeting a proposal was approved to halt the USPS mailing of our club's newsletter K7LED Relay with the December 2020 Relay.

Electronic versions of the K7LED Relay will be e-mailed by the K7LED Relay Editor to all members with e-mail addresses listed in the monthly roster.

The current and archived editions of the K7LED Relay are available at our club website.

The Budget line item for Relay Expense will be removed in the 2022 Budget.

November 16, 2019 Revised Bylaws regarding the newsletter:

ARTICLE X

Official Newsletter

10.01 Newsletter. The K7LED RELAY, as published, is the official publication for notification to members of news, business, and events within the Club.

Please send any Roster changes / updates to treasurer@mikeandkey.org.

Welcome New Members

Jeff Hussey – AK7JH

James Lauck – KK7BEX

**A Newsletter Giving QST a Run
for its Money**

ve7sar.blogspot.com/search/label/Amateur%20Radio%20Newsletter

Doug North, NR5W (SK)

It is with deep sadness we are reporting the passing of Doug North, NR5W on November 8, 2021. He will truly be missed by our community and our thoughts go out to his family and friends.



CW Sweepstakes

Michael Dinkelman, N7WA

It's the first weekend of November. Do you know where your paddles are?

Ah... Sweepstakes. It's the contest I love to hate. Cannot figure out why I enjoy this test so much. Maybe because it's so hard to do well.

- 1) You can only work a station once
- 2) The exchange is long and complicated
- 3) It isn't easy to work all 84 sections for a Clean Sweep
- 4) Saturday is usually full tilt, Sunday is slow and tedious

And yet, I am there every November. <sigh>

I enjoy the Online Contest Scoreboards and this test was no exception. I know it's only a small subset of the contest participants but I usually find someone to compete against - even if they don't know it. (I usually have enough imagination for both of us.) It's more fun than competing against my previous year's results. This year, that station seemed to take notice. We spent the last couple hours going back and forth. Neither of us was going to be the category leader but we were fighting for something like 4th place and we had to both crawl over other folks to get there. It kept my butt in the chair and it was fun. I had butterflies as the clock ticked over to the end of the test. I had just one more contact.

It could have been 801.

I always hate the large number of dupes I get in this test. More so than any other. I always figure the person on the other side is not using a logger. More



The K7LED Relay is the official monthly newsletter of the Mike and Key Amateur Radio Club (ARC). The Mike and Key ARC is an ARRL affiliated club dedicated to the growth and betterment of Amateur radio.

The club temporarily meets virtual at 10 AM on the third Saturday of each month. Anyone interested in Amateur Radio is invited to participate in the club and its activities. The annual Mike and Key ARC dues are \$12 for individual and \$18 for families.

Send dues to:

Mike and Key ARC, P.O. Box 4234, Renton, WA 98057-4234

likely, they busted my call so I always work dupes (while gritting my teeth). This year, it happened to me. I worked a station and, when I hit ENTER, I must have hit something else. The QSO went away... just like I wiped it. The person I worked was gone. Well, I'll try later (it was a well-known call) and I did. I got QSO B4 back. I left it at that – wasn't going to argue. We both lost the Q because he is going to lose it in the log checking.

SO-ALL LP CW	Score	QSO	160	80	40	20	15	10	ARRL/RAC	Last
1 K7SV	169,008	1,006							84	00:36
2 N5EE	158,364	954		277/7	336/20	274/36	67/20		83	01:03
3 KH6LC (NH6V)	151,392	912		4/0	318/7	306/28	284/48		83	01:47
4 → N7WA	126,400	800		44/4	242/12	325/39	189/24		79	00:32
5 K4OAAQ	126,242	799		249/11	430/42	91/24	29/2		79	00:33
6 WQ5L	120,048	732		166/9	187/14	333/33	46/26		82	00:55
7 N4TB	119,784	713		163/13	110/9	298/37	142/25		84	05:52
8 KB9OWD	99,384	606							82	01:22
9 NO5W	90,244	586							77	07:22
10 KV8Q	87,966	543		53/1	397/74	89/6	4/0		81	01:48
11 W1KM	85,800	550		98/6	367/64	47/6	37/2	1/0	78	00:33
12 W0AAE	83,160	540		41/3	307/51	192/23			77	00:48
13 N9JF	80,422	509		182/21	161/34	5/2	161/22		79	00:35

Swap Meet 2022

Michael Dinkelman, N7WA

This year, we will continue using the IVolunteer web site for Swap Meet volunteer worker signups. The signup site is at: mkarc.ivolunteer.com. It's also linked in at the Mike and Key web site. The signup is active on November 15th. When you get there, you'll see some instructions and a link to the "Flea-market Primer." At the bottom of the page you'll see:

Mike & Key ARC

Swap Meet (Friday, March 11 2022)

Swap Meet (Saturday, March 12 2022)

Click on those two links to get to the signup sheets—there is one for Friday and one for Saturday. Saturday looks like the image below with the loading dock tab selected.

Registration	Loading Dock	Ticket Gate	Security	Announcing	Country Store	Hospitality
<p><small>Sat, Mar 12 2022 Chair: Gary Bryan KG7KU Assist vendors by moving pallets from loading dock to their table. Physical outdoor work. 44 Needed</small></p>						
	5:30AM-7:30AM	7:30AM-9:00AM	Teardown 2:30PM - 6:00PM			
Pallet Crew - downstairs	10 Needed	8 Needed	12 Needed			
Pallet Crew - upstairs	4 Needed	4 Needed	4 Needed			
Elevator Operator	1 Needed		1 Needed			

Click on the tab that represents the job(s) you are signing up for and time slots. Click on the Volunteer tab. You'll be prompted to enter your email address and name. It looks something like this.

Volunteer for:
Setup - Fri, Mar 9 2018 - 8:00AM - 1:00PM - Setup Crew

Email: *

I consent that I am the owner of the above email address or have permission to use it. ([privacy policy](#))

First Name: *

Last Name: *

Don't fear getting spammed, we pay for this service so there is no need for the host site to spam you. You may see that some jobs are already filled in. After you have done so, your name should appear as well. An email address is REQUIRED. The names are fairly free form so it's tempting to put your call in there or just your first name. Don't, that just messes it up when I export the names so I can print out worker badges for the Swap Meet.

If you don't do email or are otherwise reluctant to use the site, I will have to you up myself using my email address. You just won't get any notifications when the schedules are sent out before the Swap Meet. You will receive a confirmation email. KEEP IT! You'll need it if you want to change or cancel your signup. If you lose it, I'll have to change you manually. You can always make NEW signups by going to the starting URL. You can always send me questions at n7wa@arrl.net.

If you are new to the Club or the Swap Meet, don't be afraid to read that primer. It has descriptions of the event and each job. We have jobs for EVERYONE. And please don't just signup for two hours and say that's it. We have many jobs and many slots to fill. Don't be afraid to try different jobs. Of course, give yourself a break to find that special goodie you are looking for but after you have walked both floors three times, you'll be looking for something else to do.

Also, don't forget to sign up for setup and teardown if you can be there.

We need help in several administrative positions. Manfred AG7NR has volunteered to chair the Ticket workers. It would be better if he had a co-chair and you could switch off.

Dan KG7DAB may need a co-chair – it's a very busy position - and two really makes the job go easier. He thinks he might have one but, if you're interested, please check with him. He might even take on another.

[Continued on next page.]

Swap Meet 2022 (continued)

Michael Dinkelman, N7WA

Hospitality has no chair. If I can't get one, I am going to throw some hotdogs and chili into a couple crock-pots and you are on your own cause I have things to do. Michelle WB7AYU kinda went above and beyond the call of duty running Hospitality the past few years. It was nice but exhausting. Maybe we can find someone willing to guide Hospitality to a happy medium between a couple crock pots and a smorgasbord. Talk to me or Hal if you are interested.

You can't sign up for the Volunteer Examiner jobs. Those will be handled by Scott. Registration will use the signup system for the first time.

Swap Meet Status

Michael Dinkelman, N7WA

You'll find instructions on the previous page to sign up online as a worker for the Swap Meet. Signups open up November 15th.

In the 3rd week of October, we sent out signups to all our exhibitors from 2020. They have been coming back and people sound excited about the idea of a 2022 Mike & Key Swap Meet.

Shortly after we printed up the mailers, it was announced, by the State, that all indoor events with more than 1,000 attendees will have to check for proof of vaccination or a negative COVID test starting November 15th. We have to fully expect this will still be in effect in March, so we are putting stickers on the mailers warning folks of the possibility. If you are choosing to remain unvaccinated and want to work or attend, you should probably schedule a COVID test just prior to March 11th. Frankly, I am not sure of the effect that will have on our ticket takers. We may have to expand that group.

Since we are not having an in-person November meeting, I have lined up some volunteers to label the mailers we will send out in January. My thanks to those who volunteered. I had way more volunteers than I needed. That's nice.

The ARRL kind of threw a wrinkle in the address labels for the mailers. I've been getting labels for 30 years and they have always arrived sorted by zip code. This year, they appear to be totally random. I picked up the first page of ten labels and it had 10 different zip codes. We will have to do a sort after labeling. Fortunately, we only have to sort by the first three numbers and we only have seven possibilities, 980 through 986.

The next Swap Meet meeting will be December 14th at 7PM. This is a Zoom meeting. Just use the published credentials for the Daily Ragchew. All are welcome. It's a good way to learn the organizational details of the event.

Its Easier than Ever to Make a PCB

Back in the old days when we had to walk 20 miles uphill both ways in a snowstorm during a flood, making printed circuit boards (PCBs) was no easy job. After getting the circuit wired up, tested, and refined, we then had to sit down, measure all the component dimensions and begin to lay out the PCB pattern on paper. Next we prepared the copper clad board and used special tapes, pens, or photographic means to transfer the layout. Then came filling a glass baking dish with chemicals and etching away all the un-needed copper. At the end, hoping we didn't forget a run or two, we had our ready to go through hole PCB. Of course, homebrew was limited to double-sided boards and today a commercial board might have up to seven layers sandwiched together.

Today this process is a lot easier; kids don't now how easy they have it (LOL). There are a lot of schematic design programs available online for free to help create the circuit and even simulated it. After this you can go to sites like easyeda.com (not an endorsement) to upload your schematic and have it converted to a PCB that's production ready. Some of these programs will automatically do the layout and others are more semi-automated. For your next project do a little research, find a app that works for you, and send an article to the Relay about your experience.

Thursday Night Check-In Net

A reminder to join the Check-in net on every Thursday at 6:30pm on the K7LED repeater - 146.82MHz. Yes, **that's THURSDAY's** 😊

<http://www.mikeandkey.org/check-in.net.php>

What's the link above? It's the "Live" roster!" Yes, you can follow along LIVE while the net is happening! See who has checked in, see where your name and call sign are in the list...basically see what the net-op is doing...Use F5 to refresh the page to get the latest update.

This net is super simple. No rag chew, no talking, just get on the roster and listen for your call sign. When you hear it, Check In with your call sign.

We look forward to hearing from as many of our club members as possible, and off course, our visitors too.

Mark your calendars and we hear from you on Thursdays!

General Meeting Minutes October 16, 2021

Attested to by Carl Reynolds, Secretary

Call to Order - Phil K7PIA @ 11:05am

Reports:

- President: Phil K7PIA - No report
- Vice President: Steve KD7IQL not present. Manfred, AG7NR acting VP. Steve announced we have a quorum. New candidates: James Lauck KK7BEX, Jeff Hussey AK7JH. Both candidates were approved & voted in as new members.
- Phil requested a motion to approve last month's general meeting minutes. Jim, KE7JIM motioned and Dick, W7INK 2nd motion. Vote to accept passed.
- Treasurer: Jim KE7JIM, Fred Myer and Amazon Smile donations \$10.00, ~ \$45.00 respectively.
- Radio Officer: Hal N7NW, NSTR
- Relay Editor: David W7DAO, requesting more articles

- Activity Manager: Jason KJ7GLB Activity: Working on next month's activity. Asking for any ideas, speakers or suggestions by email. Auction item: Daiwa CN-720 Power/SWR meter. Winning bid submitted by Gerrie Kellogg – K17EIV at \$101.00 Current proceed totals are approx.. \$300 currently and go to end-of-year give away. Mike and Key anniversary glass giveaway, 3 glasses after meeting. **WINNERS:** Joel KD7QKK, Eric WE4VER, Dave KC7FSR
- Webmaster Dave KB7PSN, Online swap meet has new items
- Membership, Rita KD7CNU, if in person, December general meeting will have Holiday lunch from Costco
- Facilities: Jay AE1J, met with SA, gathering info for solid plan to make 1st in person meeting a success, EX: AV equipment setup, etc. Jay will be monitoring changes in state COVID regulations. Relay and groups.IO will be updated.
- Education/Training: Daniel KL7WM, in person classes are in the works and will be monitoring changes in state COVID regulations.
- Public Service: Jeff W7GPG, No activities requiring support
- Technical/Special Interest: Dan KG7DAB/Mark No report, Jim KE7JIM Fox Hunt with cars possible for 3rd/4th Sunday. Will coordinate Art Jury.
- Swap Meet: Hal N7NW / Mike N7WA Ticket Co-chair and Hospitality chair needed. Mike will be setting up online signup for volunteers. Notice forth coming. ~120 volunteers needed. Swap Meet keeps dues low and helps fund other club activities. Postcard type mailer will be sent out. Labeling will be needed. No stuffing envelopes. State COVID regulations will possibly be a factor.
- Field Day: David WA7DY / Ivy WA7IVY, Wagon Wheel has been reserved, Radio Camp(Mon-Mon) and reservations are open.

Old Business: None

New Business: None

Good of the Order:

- Phil K7PIA, Tech Net has a NetOps opening for the 2nd Wednesday.

Adjournment - Phil K7PIA requested a motion to adjourn. Jason motioned and Jay seconded motion to adjourn. Motion passed by Zoom vote. Meeting adjourned @ 11:45am.

Board Meeting Minutes – November 2, 2021

Attested to by Carl Reynolds, Secretary

Date/Time: November 2, 2021, 18:45 Pacific

Participants:

Phil, K7PIA	Dan, KG7DAB
Steve, KD7IQL	Hal, N7NW
Carl, N7CJR	Michael, KG7MX
Jeff, W7GPG	Jason, KJ7GLB
Jay, AE1J	Mark, W7EAZ
Jim, KE7JIM	David, WA7DY
Robert, KF7RWA	Michelle, WB7AYU
Dave, KB7PSN	Manfred, AG7NR

Agenda:

Call to Order (19:15 Pacific)

Secretary (Carl, N7CJR): Quorum was established
Previous Board meeting minutes were approved;
Motion: Jason, KJ7GLB, Second: Jay, AE1J; Vote:
Yes (8), No (0)

Reports

- Chairman of the Board (Manfred, AG7NR): Nothing to report
- President (Phil, K7PIA): Nothing to report
- Vice President (Steve, KD7IQL): Received 7 new membership applications: Robert Horsch, N7RLV; Gregor Harrison, KJ7ZOK; Scott Eklund, W7HYZ; Allyson Fry, KK7AJZ; Joel Levorsen, KF7AAT; Chris Sokol, KD5ILI; Michael Baseman, KF7DLZ; all were approved
- Secretary (Carl, N7CJR): Nothing to report
- Treasurer (Jim, KE7JIM): Working on wrapping up the budget status for October; also working on the 2022 budget - will need inputs
- Activity Manager (Jason, KJ7GLB): Seattle ACS will provide an EmComm presentation on Nov. 20; anniversary glasses will be handed out as door prizes; auction items are TBD
- Relay Editor (David, W7DAO): Not present
- Web Master (Dave, KB7PSN): Noted some activity on the Club's swap web page

- Radio Officer (Hal, N7NW): Status on the repeater site lease from the Department of Natural Resources (DNR): Our repeater site on Tiger Mountain is sub-leased from the Puget Sound RTTY Repeater Group (WA7HJR) and was renewed last year for another 10 years; 220 repeater locked itself out, was reset remotely; Lejanna (LJ), KG7POD, will be the new control operator for the 220 repeater

Standing Committees

- Technical & Special Interest (Mark, W7EAZ, Manfred, AG7NR): Wednesday night technical net caters to new amateurs; Discussed idea to create a GOTA station in a private or public setting (details are TBD)
- Public Service (Jeff, W7GPG): Will be working with Robert, KD7WNV, to discuss upcoming events; also considering to update the Special Events & Information Guide (a.k.a. Public Service booklet) that allows advertising to create revenue for the Club
- Education & Training (Robert, KF7RWA): No VE testing during the past month since Scott, AG7T was on travel; looking forward to start in-person testing at the Salvation Army facility; an in-person test session will also be held at the Swap Meet
- Membership (Manfred, AG7NR): Continuing our recruitment campaign via letters to new licensees; brainstormed about how to get members involved in interesting activities; next committee meeting on Nov. 4
- Facilities and Publicity (Jay, AE1J): Jim, KE7JIM, and Jason, KJ7GLB, have the key and alarm code for the Salvation Army facility; Jim and Jason tested the IT infrastructure at the facility (network speed, available equipment, etc.) and confirmed that it meets our needs; available LCD displays can be used for our meetings; Jason, KJ7GLB, proposed to purchase additional equipment (cameras, microphones, stream deck, audio mixer, USB hub, etc.) to support virtual meetings; Jim, KE7JIM, confirmed that funds up to \$1,200 are budgeted; Robert, KF7RWA, motioned to appropriate \$1,000 for equipment; Second: Steve, KD7IQL; Vote: Yes (8), No (0); Motion was approved

Board Meeting Minutes –
November 2, 2021 (continued)
Attested to by Carl Reynolds, Secretary

Standing Committees (continued):

- Facilities and Publicity (Jay, AE1J) continued: Discussed if the November General Meeting should be held in person; Jay, AE1J, has been coordinating logistics with Major Koenig at the Salvation Army; the Club should also formulate a COVID-19 policy in advance of meeting in person; Motion to vote on meeting in person at the Salvation Army on Nov. 20: Yes (3), No (5); Motion was not approved, i.e. the Nov. 20 General Meeting will be held remotely via Zoom again; the membership was informed via email on Nov. 5, 2021

Essential Committees:

- Awards: Michelle, WB7AYU, proposed to create awards (paper certificates) in addition to the typical banquet awards (Club involvement in Salmon Run, Fox Hunts, etc.); should be handled by the Awards Committee
- Strategic Planning (Manfred, AG7NR): Brainstormed about goals that can be achieved within the next 2-3 years: Financial planning, new meeting place, activities for the Club, involvement in emergency communications; Jim, KE7JIM, invited Seattle ACS for an EmComm presentation on Nov. 20

Event Committees:

- Field Day (David, WA7DY): Wagon Wheel at Fort Flagler is reserved already; Reservations for the Barracks will open in January; Would like to create volunteer slots (multiple for each position, need commitments, e.g. for a Tent Chair) to help with planning and running the Field Day
- Swap Meet (Hal, N7NW): Mike, N7WA, has the printed cards, looking for help to add address labels and a statement that proof of vaccination may be required

Old Business: None

New Business:

- Hal, N7NW, proposed to rent a storage facility for equipment owned by the Club (field day, swap meet, etc.); Facilities Committee will determine the required size for a long-term storage solution; Jay, AE1J, will send out an email to request inputs to assemble an integrated equipment list
- Jim, KE7JIM, proposed to send out Relay newsletters via email only from January 2022 onward to save costs; the budget item to cover mailing expenditures would be re-appropriated; the Membership will be informed via email and a write-up in the Nov. and Dec. 2021 Relay newsletter, so everyone is aware when voting on the 2022 budget; Motion to approve the proposal: Jay, AE1J, Second: Jason, KJ7GLB; Vote: Yes (8), No (0)

Good of the Order: None

Action Items: None

Next Meeting: December 7, 2021, 18:45 Pacific

Meeting adjourned at 21:00 pm Pacific

Do you have an interesting ham related story, project, piece of ham history, link, technical subject you want to share, etc. Please consider submitting it to the Relay for publication.

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Every used FT4? Interested?

www.arrl.org/news/faster-more-contest-friendly-ft4-digital-protocol-to-debut-in-a-week

Do you know about JS8Call?

js8call.com/

Want to hear what most of the digital modes sound like?

www.sigidwiki.com/wiki/Category:Amateur_Radio

Calendar: November - February

Weekly

Daily:

- Zoom Rag Chew at 5:30 PM
- Social Net at 7:30 PM, 2m Repeater, except Wednesdays

Wednesdays:

- Technical Net at 7:30 PM, 2m Repeater
- Zoom "Ask an Elmer:" 8:30 PM

Thursdays:

- Check-in Net at 6:30 PM, 2m Repeater

Sundays:

- Informal Net at 8:00 PM, 220 MHz

Connect with members on a net and/or a Zoom Meeting.

Monthly

Board Meetings (7:15 PM on Zoom):

- December 7, 2021
- January 4, 2022
- February 1, 2022

General Meetings (10AM on Zoom):

- November 20, 2021
- December 18, 2021
- January 15, 2022
- February 19, 2022

Testing:

- Contact AG7T@arrl.net

Newsletter Articles Due (w7dao@arrl.net):

- December 10, 2021
- January 7, 2022
- February 11, 2022

www.mikeandkey.org – The club website includes extensive information about our activities, events, VE testing, membership, past editions of the Relay, and more. Officer contacts info: <http://www.mikeandkey.org/officers.php>.

<https://groups.io/g/mkarc> - This is the club's free and easy to use public message board.

E-Relay: Help the club save on printing and postage, send email to the n7wa@arrl.net

K7LED Repeaters: Tiger Mountain - [146.82 output, 146.22 input, PL 103.5], [224.12 output, 222.52 input, PL 103.5]



50 Years of Service
1970 - 2020

Postal Address:

P.O. Box 4234
Renton, WA 98057-4234

Email: info@mikeandkey.org

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

Website: www.mikeandkey.org



ARRL
The national association for
AMATEUR RADIO