



February 2021

(www.k7id.org)

P.O. Box 1765 Hayden, ID 83835-1765

REGULAR CLUB MEETINGS:

FEBRUARY 8, 2021

Zoom Meeting

7:00 – 8:30PM

Program: Two Subjects:
KARS 2021 Plan & Idaho
QSO Party

Presenter: Ed Stuckey
(A17H)

MARCH 8, 2021

Zoom Meeting

7:00 – 8:30PM

Program: Backup Power
System for the Home

Presenter: Michael Glauser
(A17MG)

APRIL 12, 2021

Zoom Meeting

7:00 – 8:30PM

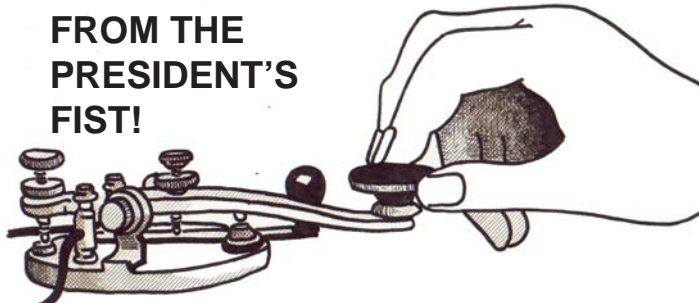
Program: Digital Voice
Modes

Presenter: Neil Powell
(K2AMF)

A Zoom Meeting Link will
be sent out to your email
before the meeting.

Refreshments: You are on
your own.

FROM THE PRESIDENT'S FIST!



Dear KARS Members and Friends,

Before going to regular business, it is important to recognize that there is an elephant in the room, named Corona Virus. Unfortunately, that elephant requires the Club to step away from the traditional “live” meetings for an indefinite period. If we are lucky, we may be able to get back to traditional meetings later in the summer.

In the Amateur Radio tradition, we have been able to utilize a work-around called “Zoom”. At least 40 Club members have learned a little about Zoom because that’s how many attended our first-ever online Club meeting in January. Yours truly was delighted, and several attendees also commented on how smoothly things went. Also, we were able to accommodate some members who would not have been able to attend a live meeting because of distance or health concerns. (Why did we miss that great opportunity in the past?) So, your Club Officers now plan to support “Hybrid Meetings” in the future, with both live and remote attendees. (As an aside, the “Best DX” for the January Zoom meeting was just over 6,000 miles – Club member and k7id.org webmaster Lenny Gemar (DU6/N7MOT) joined us from the Philippines with excellent audio/video!)

On to the KARS Activity Plan (presented separately in this newsletter): We HOPE to hold a Hamfest/Swap Meet during the summer, as that event is the principal source of funds for the Club. And we have previously committed to have a presentation booth at the North Idaho Fair scheduled for 08/20 – 08/29. (The wrinkle in this commitment – Fair Management has changed the 2021 fair to a ten-day event compared to the four-day fairs in previous years). Hint to members:

(Continue from page one)

Please consider becoming a Club volunteer to the Fair in August, details to be worked out later.

We are aware that several Club members lost power due to the windstorm back on January 13th (and it wasn't even a Friday). This is something that happens once every five years, on average, and we should be prepared to manage through such events. Accordingly, we have scheduled Michael Glauser (AI7MG) to give a presentation on emergency power at home during our March Club meeting. (Hint: it is about more than having a generator). As you may know, Michael has a whole-house backup power system at his QTH, so he can help us steer around some of the common mistakes that people make when dabbling in backup power.

Thinking ahead, we have developed a tentative schedule for future Club Meeting presentations. "Subject Matter" has already been developed for several of the presentations. We wonder if we have Club Members who might like to master the subject matter and put on one of those future presentations. Any nibbles?

The 2021 Club Officers now have one month of duty checked off, with about 330 days to go. If YOU have an interest in serving the Club as an officer for 2022, now is the time to move that up on your to-do list, from "real fuzzy" to "maybe". We will start beating the bushes around August to see if other Club members would like to take a turn at the helm.

(Almost to the end) – if you see or hear things that you LIKE about how things are going with KARS, please tell everyone. And if you see or hear something you don't like, tell any officer and we will see if we can correct the problem immediately or sooner.

And Finally, be sure to read the January Meeting Minutes (in this newsletter), because you will be called on to approve them during the February Zoom Meeting!

73,
Ed Stuckey (AI7H)
Club President

THE RECENT KARS MEETING MINUTES



KARS Club "Virtual Meeting" – 01/11/21
Meeting Minutes

This meeting was held using the "Zoom" software. The meeting was scheduled to begin at 7PM, with "early birds" invited to check in at 6:30PM.

The meeting was called to order at 7PM by KARS Club President Ed Stuckey (AI7H). Ed explained that this meeting would be somewhat informal, but we would like to approve Old Business items from 2020 to clear the slate.

The president asked for a motion to approve the November 2020 Meeting Minutes and Financial Report, which appeared in the December 2020 Newsletter. Frank Ten Thy (KG7CUI) made the motion to approve, seconded by Lenny Gemar (N7MOT). The motion to approve was then voted in the affirmative by a show of hands by attendees.

The president then asked for a motion to approve the December Financial Report, which appeared in the January 2021 Newsletter. This motion was also made by Frank Ten Thy (KG7CUI) and seconded by Gabbee Perry (KE7ADN). The motion to approve was again voted in the affirmative by a show of hands by attendees. After completion of old business, an informal discussion was conducted regarding several subjects.

1. Adoption of an online payment system such as "Pay Pal" would streamline membership renewals and perhaps encourage new members to join. Pat (N7UVH) noted that the Spokane DX Association had recently adopted Pay Pal and suggested we contact their secretary for additional information.

2. A question was posed regarding where Meeting Minutes are located. Webmaster Lenny (N7MOT) pointed out that meeting minutes and financial reports are always included in *Propagation*, the monthly Club Newsletter.

3. A question was asked about a “Club Simplex Frequency” for 2 Meters. Such frequencies might be used in a major infrastructure breakdown (internet not available, for example). President Ed (AI7H) pointed out that we do not currently have one, and that there is competition for unused simplex channels. An initial suggestion of the 2 Meter National Calling Frequency (146.52Mhz) and National 70CM National Frequency (444.00Mhz) was made. An additional suggestion was to use the KARS Repeater Output Frequencies (if the repeaters were down) because those frequencies are already “claimed” by our Club repeaters. This seemed like a sensible suggestion to attendees. It was also noted that the K7ID and KC7ODT repeaters have at least a battery backup, and the N7ESU and KE7ADT repeaters have battery/generator backup.

4. The “utility” of Zoom as a medium for managing club meetings was briefly discussed. Executive Director Larry (K6SPP) offered to let the Club use his copy of Zoom for future meetings, if need be. Jim (N7ESU) asked if we might consider using the Zoom “Recording” feature, save recordings of meetings, and post them on the website.

5. President Ed (AI7H) brought up the new Amateur Radio rule that will take effect at the end of June 2021 – that all Amateur Radio stations are expected to update their record in the Universal License System (ULS) to include their email address. Webmaster Lenny (N7MOT) volunteered to develop a paragraph explaining this, and he will post it on the k7id.org web site.

6. An informal query was made regarding what Santa may have brought to local hams. Mike Glauser (AI7MG) has a new multi-band antenna (Possibly a “Titan DX Gap”) which is on site but needs to be assembled, volunteers welcome. Frank Ten Thy (KG7CUI) has a new “Tiny S A” (spectrum analyzer, about the size of a smart phone. A total of 40 attendees were present for this meeting, most enjoyed good connectivity.

As the informal discussion came to an end, President Ed asked for a motion to adjourn the meeting, and that motion was made by Gabbee (KE7ADN); the motion was seconded by Rick (AD7IV). The motion was agreed upon by a show of hands. The meeting adjourned at 7:40PM

The VE Testing group separately reported that the January testing session produced two new Tech Class, one new General Class, and two new Extra Class Amateur Radio operators.

Submitted by Ed Stuckey (AI7H)



by Larry Telles, K6SPP

Spotlight this Month is on:

Shannon Riley, K7MUA

“How did you get into Ham radio Shannon?” was the question asked. “Well, you can blame

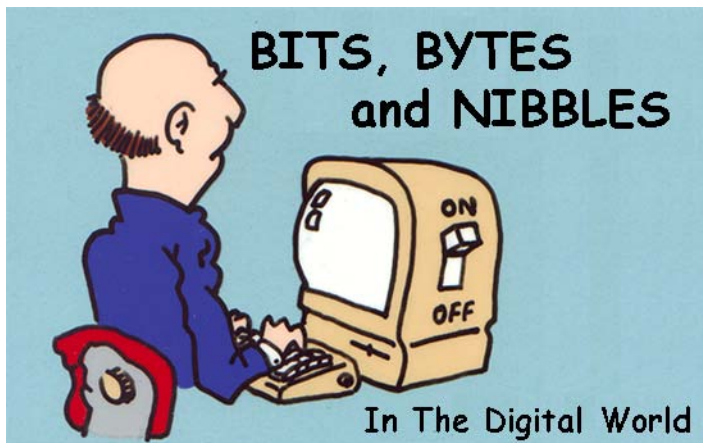


Neil Powell, K2AMF for that. He started with the difference between CB and Ham radio. That led to the fun of being a ham sales pitch. That was followed with all the wonderful things you can

do. Neil explained everything and Shannon was hooked. Shannon started studying the Technician manual in January, 2019. She took the Amateur Extra license test in February 2020, and passed.

Shannon prefers two-meters at the present time. In her shack she also has HF capability which isn't set up as yet.

Shannon's answer to my last question is an echo of 90 percent of the others interviewed. What do you like about ham radio? Without hesitation she replied "the people." In the KARS recent 2021 election, Shannon replaced Rod Anderson, K7ZBE as our club treasurer.



The Other KARS

By accident we recently learned that the Kuwait Amateur Society (KARS) has the Domain Name "kars.org"

Point your browser to www.kars.org to see them. Also, the Kankakee Amateur Radio Society (KARS) is active in Kankakee, IL but their website is their Club Call, www.W9AZ.com

It's interesting to see that even though we are all in the same hobby, things can look completely different on our websites. So now we know there are at least two other KARS's. If any local KARS members spot another one, please let one of the Club Officers know!

**HELP
SUPPORT
OUR REPEATERS**

COMING ATTRACTIONS

KARS Zoom Meeting

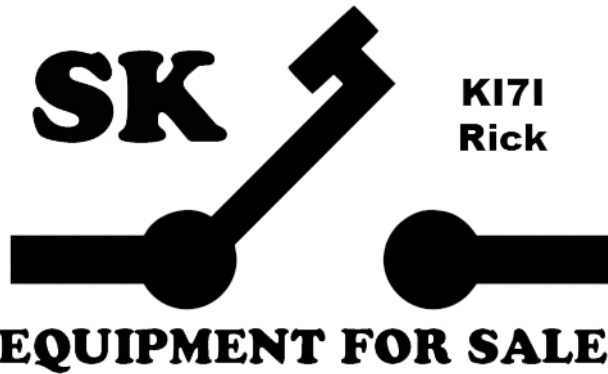
February 2021 Agenda

All times are Pacific Standard Time

- 6:30PM – Zoom Operator On Site
- 6:30PM – Welcome Zoom Meeting Attendees (Informal)
- 7:00PM – Call Meeting to Order
- 7:05PM – Announcements
- 7:10PM – Old Business (Officer Reports)
- 7:15PM – New Business (Presentation "Annual Plan" for 2021)
- 7:25PM – Discussion Period regarding Annual Plan
- 7:35PM – Brief Presentation / Discussion "Idaho QSO Party"
- 7:40PM – (or upon completion Discussion) – Adjourn official Meeting
- 7:40PM – 8:00PM – Informal discussion among participant

THIS NEWSLETTER BELONGS TO THE MEMBERSHIP. IT IS ALWAYS LOOKING FOR MATERIAL TO SHARE WITH THE MEMBERS OF KARS.

MATERIAL CAN BE SUBMITTED FOR PUBLICATION, AND THE DEADLINE FOR ARTICLES IS THE 25TH OF EACH MONTH FOR THE FOLLOWING MONTH. PLEASE CONTACT THE EDITOR...



Two large frame towers with stacked arrays and rotators/control cables. If purchased, you would have to remove. Will need cherry-picker. Pictures available from KE7IAT@comcast.net

2 Yaesu G-2800DXA heavy-duty antenna rotator control boxes

Yaesu FT-2000 160m-6m 100W (25W on AM) all-mode

Yaesu FT-891A 160m-6m 100W All-mode

Yaesu VX-8 6m/2m/220/440MHz HT 5W

Yaesu FT-5100 Dual Band FM transceiver

Mirage B2518-G 2m amplifier 25W in - 160W out

Mirage A1015 50-52MHz amplifier 10W in - 150W out

Tempo/6N2 Linear Amplifier 6m/2m 2000 out SSB, 1000 out CW/FM

RF Concepts 4-310 430-450MHz amplifier 30W in - 100W out

Samlex SEC 1235 Switching Power Supply 120V to 12VDC 30A

Box of wrapped cables (RCA cables,

3.5mm patch cords, and others)

Alpha Delta Delta-4 Coax Switch-Surge Protector (5-position antenna

switch, including ground)

Mirage MP-2 VHF Watt Meter

Drill Master Hot Air Gun

Weller Soldering Station

The Radio Amateur's Handbook 1974 edition

The ARRL Handbook for Radio Communications (88th edition)

The ARRL Repeater Directory 2011/2012 Repeater Mapbook 10th edition

The ARRL Repeater Directory 2008/2009 Desktop edition

The ARRL Antenna Book for Radio Communications 22nd edition

Manual for IC-740.

Lenovo laptop

Acer laptop

Western Digital 40GB 3.5" HD

2 SignalLinks USB

Kantronics Packet Communicator KPC 3+

Sundry other items

Contact Rick's daughter to make arrangements, if interested.

Heather - gypsy2thou@hotmail.com or text 214-415-5461.

Make reasonable offer, please.

HEADS UP!!!

**ALL AMATEURS
SHOULD READ!**

FCC Issues Enforcement Advisory: Radio Users Reminded Not to Use Radios in Crimes

01/17/2021

The FCC has released an [Enforcement Advisory](#) for licensees and operators across radio services.

[Complete text of FCC Enforcement Advisory follows.]

FCC ENFORCEMENT ADVISORY

DA 21-73

Released: January 17, 2021

WARNING: AMATEUR AND PERSONAL RADIO SERVICES LICENSEES AND OPERATORS MAY NOT USE RADIO EQUIPMENT TO COMMIT OR FACILITATE CRIMINAL ACTS

The Enforcement Bureau (Bureau) of the Federal Communications Commission issues this Enforcement Advisory to remind licensees in the Amateur Radio Service, as well as licensees and operators in the Personal Radio Services, that the Commission prohibits the use of radios in those services to commit or facilitate criminal acts.

The Bureau has become aware of discussions on social media platforms suggesting that certain radio services regulated by the Commission may be an alternative to social media platforms for groups to communicate and coordinate future activities. The Bureau recognizes that these services can be used for a wide range of permitted purposes, including speech that is protected under the First Amendment of the U.S. Constitution. **Amateur and Personal Radio Services, however, may not be used to commit or facilitate crimes.**

Specifically, the Bureau reminds amateur licensees that they are prohibited from transmitting “communications intended to facilitate a criminal act” or “messages encoded for the purpose of obscuring their meaning.” 47 CFR § 97.113(a)(4).

Likewise, individuals operating radios in the Personal Radio Services, a category that includes Citizens Band radios, Family Radio Service walkie-talkies, and General Mobile Radio Service, are prohibited from using those radios “in connection with any activity which is against Federal, State or local law.” 47 CFR § 95.333(a).

Individuals using radios in the Amateur or Personal Radio Services in this manner may be subject to severe penalties, including significant fines, seizure of the offending equipment, and, in some cases, criminal prosecution. 47 U.S.C. §§ 401, 501, 503, 510.

Media inquiries should be directed to 202-418-0500 or MediaRelations@fcc.gov.

To file a complaint with the FCC, visit <https://consumercomplaints.fcc.gov> or call 1-888-CALL-FCC. To report a crime, contact your local law enforcement office or the FBI.

To request materials in accessible formats for people with disabilities (Braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer & Governmental Affairs Bureau at (202) 418-0530 (voice), (202) 418-0432 (TTY).

A SNAPSHOT FROM THE PAST



Yes Virginia there was a Mr. Ampere.

Sometime before 1827 a French physicist and mathematician Hans Marie Ampere (1775-1836) established a statement of electric current. It was the definition of the unit of measurement of current flow, the ampere.



Shortly after Ampere made his definition, Georg Simon Ohm (1789-1854) discovered the mathematical law for electric-current. The current flow through a conductor is directly proportional to the potential difference (voltage) and inversely proportional to the resistance. He named this law after himself, Ohms Law!

GET ON THE AIR FOR \$400

FOR SALE

KENWOOD
TS-430S
Transceiver
w/Power Supply

KENWOOD
MC-43S
Microphone

KENWOOD
AT-130
Antenna Tuner

SWR Bridge
(not Shown)



Plus short coax cable Bridge to Transceiver, Manuals on disc. \$400. All that is needed is a piece of coax and an antenna. How about an end-fed antenna. I gave Jerry W7KR money to build three end-fed baluns for club members. No one has taken the opportunity to get one. Why not be the first. For the Transceiver contact Larry K6SPP, 208 771-2633 or Ltelles@icehouse.net.

GOT SOMETHING TO SELL? LET YOUR EDITOR KNOW!!!

Kootenai Amateur Radio Society (KARS) MEMBERSHIP APPLICATION

One year membership Rates:

New Member: \$15.00 Renewal: \$15.00 Family Membership: \$23.00

Two year membership Rates:

New Member: \$28.00 Renewal: \$28.00 Family Membership: \$42.00

Lifetime membership:

Member: \$150.00

Information Update Only

Are You An ARRL Member? Yes / No (Please Circle One)

Callsign: _____ Class: _____ Expiration: _____

First Name: _____ M.I. _____ Last Name: _____

Nickname: _____

Address1: _____

Address2: _____

City: _____ State: _____ ZIP: _____ - _____

PHONE NUMBER: (____) _____

OK to publish phone number? Yes / No (Please Circle One)

EMAIL ADDRESS: _____

OK to publish Email address? Yes / No (Please Circle One)

Do you want to receive the emailed Newsletter? Yes / No (Please Circle One)

Note: If this is a family membership, (all members with the same address), please complete the following section for your family.

Name: _____ Call: _____ Class: _____

Name: _____ Call: _____ Class: _____

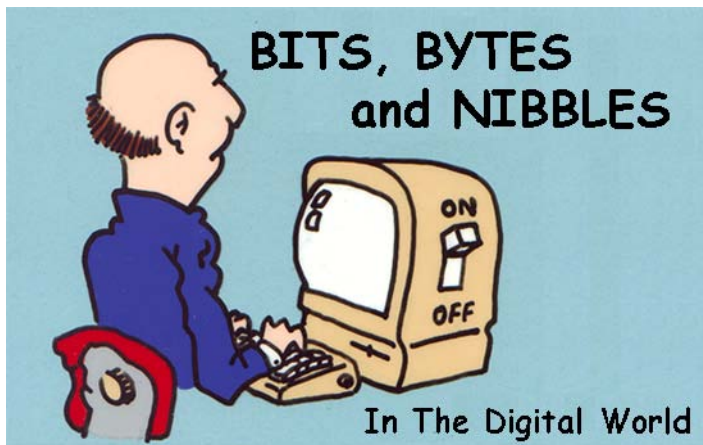
Name: _____ Call: _____ Class: _____

Name: _____ Call: _____ Class: _____

RETURN THIS FORM WITH YOUR DUES, (CASH OR CHECK), TO THE KARS TREASURER, OR, MAIL TO: KARS MEMBERSHIP, P.O. BOX 1765, Hayden, ID. 83835-1765.

(Office use only.)

Cash:		Check #:		Money Order:	
Membership Card:		Roster:		Newsletter:	



**KARS IS YOUR LOCAL
AMATEUR RADIO CLUB
HERE IN NORTHERN
IDAHO.**

**WHEN YOU SUPPORT THE CLUB
YOU ARE SUPPORTING OUR
REPEATERS!!!**

PROPAGATION is looking for stories, articles, etc., pertaining to Amateur radio. You don't need to write the material only produce the story (article) content!

PROPAGATION is looking for photographs of ham shacks, antennas, etc.

2021 CLUB OFFICERS

- | | |
|--|--------|
| President: Ed Stuckey,
president@k7id.org | AI7H |
| Vice-President: Gabbee Galino,
vicepresident@k7id.org | KE7ADN |
| Executive Director: Larry Telles,
execdir@k7id.org | K6SPP |
| Secretary: Kathy Kent,
secretary@k7id.org | KI7OVA |
| Treasurer: Shannon Riley,
treasurer@k7id.org | K7MUA |
| Past President: Frank Krug
pastpresident@k7id.org | KD7FK |
| Newsletter Editor: | K6SPP |
| Repeater Tech: Dale DuRee, | KE7VMN |
| Webmaster: Lenny Gemar,
webmaster@k7id.org | N7MOT |
| Repeater Trustee:
trustee@k7id.org | K6SPP |

Propagation is published monthly, by the Kootenai Amateur Radio Society (KARS). The club is located in Hayden, Idaho and serves the North Idaho and the Spokane, Washington areas.

All opinions expressed in this newsletter are those of the individual contributors and not the radio club as a whole.

KARS operates voice repeaters on 146.780 (Little Blacktail), 146.980 (Idaho Mica Peak) and 443.975 (Canfield Butte), and a packet repeater on 145.510.

Anyone interested in Amateur Radio is welcome to join. Dues are \$15.00 (individual) and \$23.00 for a family membership. Contact the treasurer if you wish to join.

If you know of anyone interested in joining KARS, you can notify the newsletter editor as to that party's email address. A copy of this newsletter will be sent with no obligation to join.

Material can be submitted for publication in Propagation. The deadline for articles, etc., is the 25th of each month for the following month's issue.

PROPAGATION
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