



AFFILIATED

# Printed Circuit

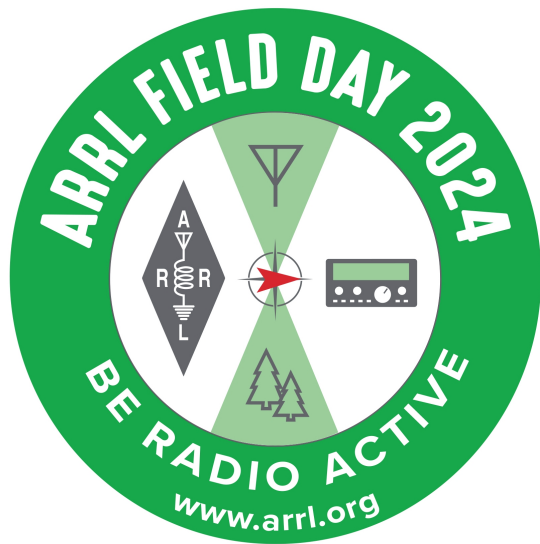
– May/June 2024 –

Published by the Southwest Iowa Amateur Radio Club Inc.

SWIARC meets the 4 Thursday of every month at the  
Charles E. Lakin Human Services Campus  
705 N. 16th Street Council Bluffs, IA 51501



Visit us at <http://www.swiradio.org>



**What:** ARRL FIELD DAY 2024

**When:** 2024 ARRL Field Day is June 22-23

**Where:** Bob WØRJE's Place

**Time:** 1800 UTC Saturday - 2059 UTC Sunday.

New for SWIARC 2024 Field Day...

*Dan KB0TDW is setting up a network for simple call logging using N3JFP's **ARRL Field Day Contest Log App**. Bring a Windows based computer with a wifi card or a network card and N3jfp software installed(No License Required, Activation will be done at Field Day)*

**Email Dan TDW at [dmcglone72@outlook.com](mailto:dmcglone72@outlook.com) for questions**

**Committee Chairman: Keith AEP**

From Wikipedia, the free encyclopedia

Field Day is an annual amateur radio contest, widely sponsored by IARU regions and member organizations, encouraging emergency communications preparedness[1] among amateur radio operators. In the United States, it is typically the largest single emergency preparedness.

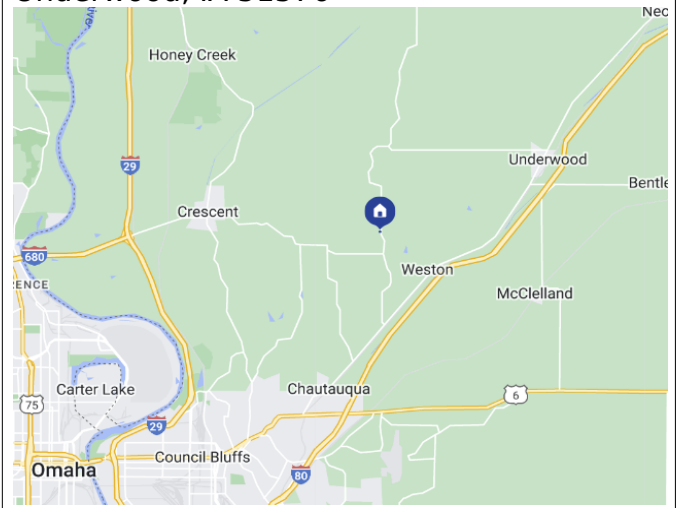
## The Action 2024

- |                       |  |
|-----------------------|--|
| May 4, 11, 18, 25, 29 | <b>Saturday Breakfast</b><br><b>Sugar's Diner*</b> |
| 8-930am               |  |
| May 4                 | <b>Heartland Hams Monthly Breakfast</b>            |
| 9-1030am              | <b>Toby Jack's Mineola Steak House*</b>            |
| May 11                | <b>Lincoln Hamfest</b>                             |
| 8-3pm                 | Sandhills Global Event Center                      |
| May 11                | <b>Coffee at the Lake</b>                          |
| 8am-1230pm            | <b>Lake Manawa, Council Bluffs</b>                 |
| May 23                | <b>SWIARC Club Meeting</b>                         |
| 7-8pm                 | <b>Red Cross Building*</b>                         |
| June 1, 8, 15, 22, 29 | <b>Saturday Breakfast</b>                          |
| 8-930am               | <b>Sugar's Diner*</b>                              |
| June 1                | <b>Heartland Hams Monthly Breakfast</b>            |
| 9-1030am              | <b>Toby Jack's Mineola Steak House*</b>            |
| Jun 8th               | <b>Coffee at the Lake</b>                          |
| Jun 27                | <b>SWIARC Club Meeting</b>                         |
| 7-8pm                 | <b>Red Cross Building*</b>                         |

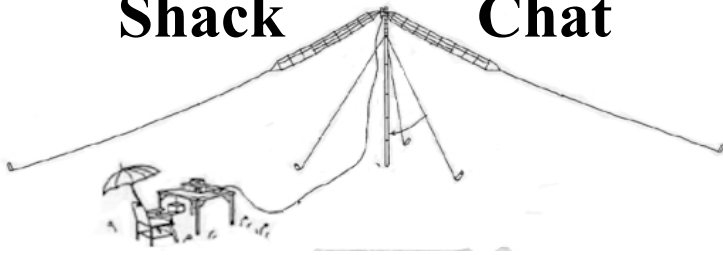
-25-

### Bob's WØRJE Place

23883 Road L34  
Underwood, IA 51576



# Shack Chat



## Which Type of Battery is Suitable For Field Day Go Box

As you and your club prepare for ARRL Field Day 2024 (June 22-23), it's a good time to remember the event's original intent—to practice rapid deployment of radio communications in a range of challenging environments with the ability to establish two-way communication. Many Hams use the annual gathering to take inventory of their emergency equipment and supplies.

For a Ham Radio Go Box, you should opt for lightweight batteries. In this sense, the best choices you have are lead acid or Lithium Iron Phosphate(LiFePO4) batteries.

Chemically, they are both what you need for this sort of purpose. It's recommended to opt for LiFePO4 rather than lead acid because they are safer and more modern to use, requiring less maintenance and care than the lead acid ones.

LiFePO4 batteries have a very low self-discharge rate, lower than 3% per month. This means that regardless of how long you store it without using it, it will be just fine when you go back to using the battery.

Lead acid batteries on the other hand, require special maintenance in order to avoid life span decreases.

LiFePO4 also win at the "weight" aspect, as they are small and light. They have half the mass of a lead acid battery, making them ideal for taking them on the go. More than that, LiFePO4 batteries can be used at full capacity, compared to lead acid batteries that can be used at around 90% of their capacity.

Or if you have the luxury of a portable generator that means you can substitute carrying fuel instead of batteries. But why not look at both power sources as you never know when a true emergency pops up making one source the better choice!



I was listening to multiple repeaters simultaneously just before the storm this afternoon. I'm not sure who it was ( I think it was Bill on 225) but somebody reported a tornado on the ground in Elkhorn at least 5 minutes before the weather radio alarmed or the media was reporting it. This extra time allowed me to secure my family and warn my neighbors long before the sky above even suggested the danger and get myself secured. So, to whomever it was that called I wanted to say thank you and job well done.

73

Allen K0AAI



## Submit an article to the SWIARC Newsletter

We encourage your involvement. Share your stories, wit, knowledge, experience, and upcoming events here. Submit your articles at a SWIARC Meeting, or to [newsletter@swiradio.org](mailto:newsletter@swiradio.org) or SWIARC PO Box 661 Council Bluffs, Iowa 51502. Please use this email address to also make requests for newsletter re-prints and your feedback of the newsletter.

# NASA On The Air (NOTA) 2024



Month	Anniversary	Historic Date	NOTA ops Weekend
Jul	55 years	7/20/1969	7/20-21, 2024

Event: Neil Armstrong and Buzz Aldrin walk on moon  
Significancene: Apollo 11- 1st humans during to walk on another celestial body

## SWIARC REPEATERS and NETS:

### Club Repeaters

Primary Club Repeater: 2M @ 146.820  
R- No PL

SWIARC 70CM Digital C4FM 442.225  
R+ PL 136.5 Wires-X connected  
K0SWI-ND 33633 K0SWI Digital

### Club Nets

146.82 Tues. OPS Net 9:00 pm - 10:00 pm

146.82 Wed. Ragchew Net 9:00 pm - 10:00 pm

146.82 Sat. Swap Net 12:00 pm - 1:00 pm

**More Local Nets here:**  
<https://swiradio.org/ants/>  
and  
a clippable list on Page 12

## Club Meetings

4th Thursday of the month at the  
Charles E. Lakin Foundation, Inc.  
705 N. 16th Street Council Bluffs, IA  
51501



**Dear Dr In,**

*I got my hands on a 100ft length of #12 coax I am planning on using for a grounding cable going to a rebar rod for my radio's.*

*Lucky Me?*

**Dear Un-Lucky,**

Back in the 1970s Don Filbert K0AJO, aka Another Jerk Operator, lived toward the East end of Broadway on Pierce St in Council Bluffs. On one side of his yard he had an 84 ft windmill tower with several antennas on top including a CushCraft DX-120, a twenty element 2M beam with an unusual format, four 5 element sections arranged on a rather short boom to give it a short turning radius.

One night there was a lightning storm. I went by a day or two later to see if his radios were OK, He had disconnected them from his large aluminum patch panel where all the coax cables came in to SO239 chassis mount connectors so he could patch any one antenna to any of his radios.

Everything looked OK from the front, but in back of the patch panel where coax connected to the SO239s, about two inches of the center wire (#12 size in RG8 coax) of each cable was missing, vaporized when lightning hit.

Use big wire for your grounds.

***DR IN.***

# What Is Solar Weather Banners

Or a better title would be, What's it all about Alfie? Well let's see if we can decipher what it is all about.

HF/VHF/UHF/SHF radio waves propagates or travels by means of Sky Waves, Direct Waves(Line of Sight) and Ground Waves. Hops are the term we give to the HF signal as it jumps from the transmitter to the ionosphere and reflects back to the earths surface as a Sky Wave.

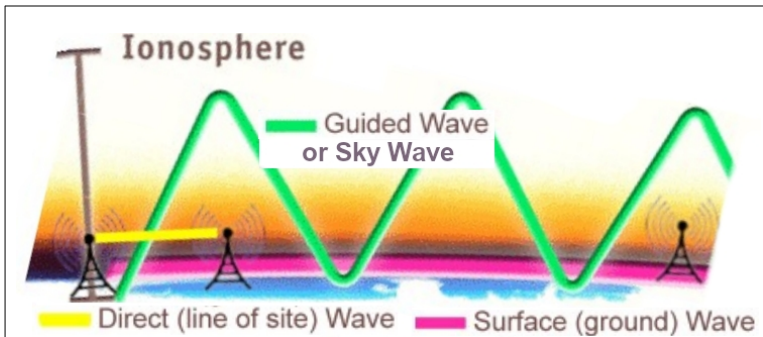


Figure 1: Image Courtesy [www.hamqsl.com](http://www.hamqsl.com)

Solar Weather has a big effect on the lower frequencies (3khz thru 30 Mhz) as these utilize Sky Waves to bounce around the curvature of the earth. Factors affecting the different layers in the atmosphere are many, but the main factors affecting the radio wave propagation are X-Rays and Gamma Rays emitting from the Sun and Solar Winds.

As we are focusing on what the Solar Weather Banners mean we will not go down the abyss but stay in the shallows. What's SFI and 304A and EF mean? Thanks to Paul L Herrman NONBH who has put together an extremely informative website on understanding propagation of radio waves, we will try to make sense of it. Ready Alfie?

**Solar Data/Propagation**  
 Click to add to your website  
**Solar-Terrestrial Data**  
 24 Feb 2024 2118 GMT  
 SFI 173 SN 106  
 A 3 K 2  
 X-Ray C2.2  
 304A 148.9 @ SEM  
 PF 799 EF 3420  
 Aurora 2/n=1.99  
 Bz 5.3 SW 387.2

HF Conditions		
Band	Day	Night
80n-40n	Poor	Good
30n-20n	Poor	Good
17n-15n	Good	Good
12n-10n	Good	Poor

VHF Conditions	
Aur Lat	66.5°
Aurora	Band Closed
6n EsEU	Band Closed
4n EsEU	Band Closed
2n EsEU	Band Closed
2n EsNA	Band Closed
EME Deg	Fair
Solar Flare Prb	67%

MUF

MS

Geomag Field QUIET  
 Sig Noise Lvl S1-S2  
 MUF US Boulder NoRpt

Cont. Pg 5

## Saturday Morning Coffee at the Lake 2nd Saturdays at Lake Manawa, Council Bluffs

*This year we're just doing it once a month, second Saturdays from 9 - 11 AM  
 on the North side of Lake Manawa  
 (500 yards So. of the Casey's gas station on Hwy 92).*

# What Is cont.

## What they mean!

### **SFI**

Solar Flux Index

Intensity of Solar Radiation as it is measured at 2,800 MHZ. The greater the ionization the higher the number.

### **SN**

Sunspot Number

Value from 0 to 250, observable sunspots on the surface of the sun.

### **A**

Planetary A Index

Value from 0 to 400, a geomagnetic activity level indicator for the earth's geomagnetic field.

### **K**

Planetary K Index

Value from 0 to 8, measure disturbances in the horizontal component of the earth's magnetic field.

### **X-Ray or XRY**

Hard X-ray

Value from A0.0 to X9.9, Intensity of x-rays hitting the earth's ionosphere.

### **304A**

304 Angstroms

Value from 0 to unknown, Relative strength of total solar radiation at a wavelength of 304 Angstroms (or 30.4 nm).

### **Pnt Flx or PF**

Proton Flux

Value from 0 to unknown, Density of charged protons in the solar winds.

### **Elc Flx or EF**

Electron Flux

Value from 0 to unknown, Density of charged electrons in the solar winds

### **Aurora**

Aurora (1)

Value 0 to 10++, Indicator of how strong the F-Layer ionization is in the polar regions

### **n**

Normalization

Always 1.99, replaced by AUR in newer banners

### **Bz**

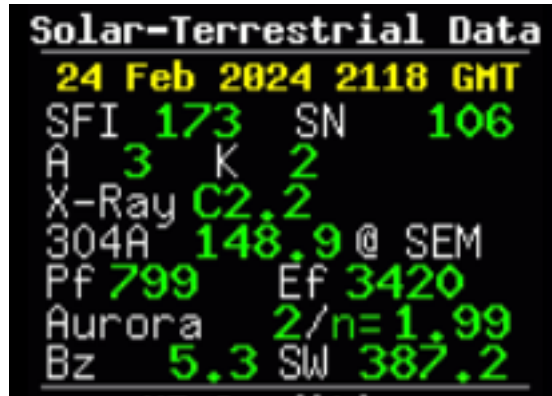
Bz Component

Value from +50 to -50, Strength and direction of the Interplanetary Magnetic Field as impacted by solar activity.

### **SW**

Solar Wind

Value from 0 to 1,000, Speed(in kilometers per second) of the charged particles as they pass the earth.



**Cont. Pg 6**

# What Is cont.

## **Aur Lat**

Aurora Latitude

Value from 67.4 to <45.0, Used to estimate the lowest altitude impacted by the aurora event.

## **Aurora**

Aurora (2)

Band Open or Closed depending on Auroral Activity between 60deg and 30deg N.

VHF Conditions	
Aur Lat	66.5°
Aurora	Band Closed
6m EsEU	Band Closed
4m EsEU	Band Closed
2m EsEU	Band Closed
2m EsNA	Band Closed

## **EsEU**

Sporadic E Europe

Band Open or Closed

## **EsNA**

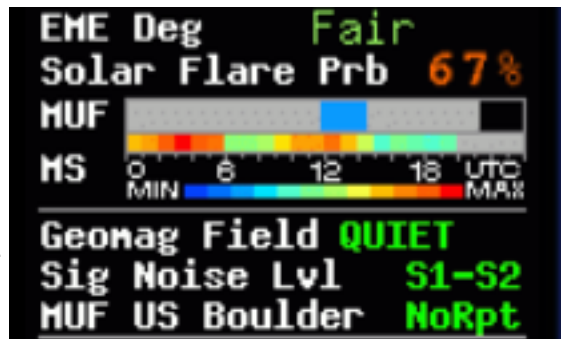
Sporadic E North America

Band Open or Closed

## **EME Deg**

Earth-Moon-Earth Degradation

Value from Very Poor(>5.5dB) Poor(4dB0) Moderate(2.5dB) Good(1.5dB) Very Good(1dB) Excellent(<1dB)



## **Solar Flare Probability**

Solar Flare Probability

The probability(in %) of a solar flare within next 24 hours

## **MUF**

Maximum Usable Frequency

Colored Bar indicator, Gray= no Spoadic E (ES) activity, Blue= ES reported at 6M, Green= ES reported at 4M, Yellow=ES reported at 2M, Red= ES reported at 2M.

## **MS**

Meteor Scatter Activity Bar

Meteor Activity, Gray= no activity, Color Coded Graph depicts activity level.

## **Geomag Fld**

Geomagnetic Field

How quiet or active the earth's magnetic field isd, more active the solar wind- Greater the noise.

## **Sig Noise Lvl**

Signal Noise Level

How much noise(in S-units) is generated by interaction between the solar wind and the geomagnetic activity.

## **MUF**

Maximum Usable Frequency

Value from 0 to 100MHz, Maximum usable frequency in one of 11 locations worldwide.

**Cont. Pg 7**





# S.W.I.A.R.C.

## Join the Club!

SWIARC club dues are \$20/year for 2023. You may bring a check to any 4th Thursday club meeting, or send it to the club address:

SWIARC INC.

PO BOX 661

COUNCIL BLUFFS IA 51502

Dues for students are half price per year.

## Club Officers

President Derek W0TYG

[president@swiradio.org](mailto:president@swiradio.org)

Vice President Craig KD0YTI

[vicepresident@swiradio.org](mailto:vicepresident@swiradio.org)

Secretary Bill KD0FJR

[secretary@swiradio.org](mailto:secretary@swiradio.org)

Treasurer Greg N0GR

[treasurer@swiradio.org](mailto:treasurer@swiradio.org)

StationTrustee Chris KF0FBL

[repeater@swiradio.org](mailto:repeater@swiradio.org)

Paul WB0GXD (Assistant)

## Club Committees

Repeater Chris KF0FBL

[repeater@swiradio.org](mailto:repeater@swiradio.org)

Paul WB0GXD (Assistant)

Field Day

[fieldday@swiradio.org](mailto:fieldday@swiradio.org)

Hamfest Derek W0TYG

[hamfest@swiradio.org](mailto:hamfest@swiradio.org)

## Other Contacts

Ham Testing

[testing@swiradio.org](mailto:testing@swiradio.org)

Estate Sales

[estates@swiradio.org](mailto:estates@swiradio.org)

Newsletter Rich K0RWJ

[newsletter@swiradio.org](mailto:newsletter@swiradio.org)



# More Local Nets

## Sunday

07:50 PM 144.25 2M SSB Heartland Hams  
09:00 PM 146.94 Aksarben ARC

## Monday

07:00 PM 145.29 Heartland Hams ARES informal net  
08:00 PM 147.39 PL: 131.8 Bellevue ARC  
09:00 PM 146.94 Aksarben ARC Chat Net

## Tuesday

07:00 PM 147.435 Simplex Net  
07:00 PM 147.36 QCWA Net, Chapter 210  
(seasonal, October through March).  
09:00 PM 146.82 K0SWI SWIARC Tuesday OPS Net

## Wednesday

07:00 PM 146.67 Dodge Co. Ne. ARES  
08:00 PM 147.39 PL 131.8 Mid-America Council Radio Scouting Net  
09:00 PM 146.82 K0SWI SWIARC

## Thursday

07:30 PM 145.31 Lincoln Ne. SATERN Net  
08:00 PM 28.35 10-Meter SSB Net.  
08:00 PM 144.25 2-Meter Simplex USB Net  
09:00 PM 28.305 10-Meter Net

## Friday

## Saturday

09:00 AM 146.775 Pawnee ARC  
12:00 PM 146.82 K0SWI SWIARC Swap Net  
07:00 PM 145.29 Heartland Hams Tech. net  
08:30 PM 3.921.00 QCWA Chapter 20

Want Other Nets listed ? Let me know, email [newsletter@swiradio.org](mailto:newsletter@swiradio.org)

## Hey Fellow Hams

Let's put together a "Beacon" Lists for local Ham use ?

Send me your Beacon Knowledge and I will publish it in a future Printed Circuit issue.

[newsletter@SWIRADIO.org](mailto:newsletter@SWIRADIO.org)



# Minutes 03/2024

Pres Derek TYG called the meeting to order at 7PM and proceeded with the pledge to the flag. Present were these 21 individuals, eager to play a SWIARC version of Jeopardy presented by Paul.

Derek	WOTYG	Dale	WOHMO
Allen	KOAAI	Manny	KFOIWE
Keith	KE0AEP	Norm	WA0JYD
Don	W0AF	Dell	KF0NSP
Bruce	N0BHB	Rick	KA0RLR
Brian	KF0CJE	Rich	K0RWJ
Bill	KD0FJR	Dan	KB0TDW
Greg	N0GR	Bill	N0WWA
Mike	KF0GVU	Craig	KD0YTI
& Ruth		Rich	WA0ZQG
Paul	WBOGXD	(21)	

Paul had chosen categories of SWIARC history, plus a couple of tech columns, ARL questions, and some on Morse code like, What does 'FB' stand for in Samuel F. B. Morse's name? Greg N0GR knew Finley Breese. ZQG was the only one other than Paul who knew the previous name of SWIARC. Radio Communications and Electronic Training Club of Southwest Iowa. (Probably because he had the 4 ft diameter wood sign in his garage for a decade or two.)

A tech question threw everybody including Paul, What's the ERP of a Tx running 50W with 1.5dB coax loss, and a 6dB gain antenna? Answ. 50 minus ~30% and then times 4 equals 140W out.

Bill FJR answered 5 questions correctly with Don W0AF, Greg N0GR, and ZQG close behind. It was a great game. Thanks Paul.

## Business Meeting

ZQG presented printed Minutes from last month, and a double barreled Treasurer's report. Both were approved – the Treasury subject to audit. Some details of the finances:

Hamfest kitchen	\$183 (-73)	\$	110
Admissions (all profit)			605
Table rent income			253
Door prizes	\$840 (-470)		370
Hall rental		-	250

Net profit (incl 4 dues) \$ 1,088

Treasurer's report continues:

## Monthly Treas. Report

previous bal.	\$ 2,960
ARL insurance	- 200
McClelland hall rent	- 250
dues (before the Flea)	+ 147
Gross rec. at McClelland	+ 1,881
Current balance	\$ 4,538

## Repeater

Paul GXD, in absence of Chris FBL who is in California, said our UHF .225 repeater has not been hearing well so he did some checking with help from John KB0QKH. Measuring losses from the hardline through assorted parts to the repeater receiver, they found **2.1dB loss** in a short piece of **coax cable**; 4.1dB loss through the cans, and 1.5dB in the DCI band pass filter. The filter spec says <1 dB, not 1 1/2, and 4.1 through the cans is high too.

Much of the loss was corrected by cleaning corroded connectors. John QKH supplied a new jumper cable. Rich ZQG jumped up to state he now sells custom jumper cables, IBM blue coax with silver plated center conductor; quad shield like RG-213, and gold plated connectors he got from Les KFK of D&L Antenna. Tuned to a specific band if you want them that way.

Our VHF .82 repeater 'lifeboat system' consists of the .22 Rx out at IWCC; a UHF link, and the 82 transmitter at the same Memorial Park site as 225, but with merely 10W to an omni antenna atop the shack. If that sounds weak, yeah sorta. We need a good site for .82.

## Field Day

The site isn't settled yet. FDay Chair Keith AEP prefers the Lake Manawa site as we had 2 years ago, but the accommodative park ranger has moved on. Another possible site is Bob W0RJE's house 5 miles North of the Sugar's Saturday breakfast location way past Cow Patty's.

Minutes continued on next page -->

## *Minutes 03/2024 (cont.)*

### **Old Business**

Our McClelland Hamfest, run by Derek TYG, was a great success (with numerous volunteers like Joel QGD and Suz WYL in the kitchen, Craig YTI taking admissions, Derek handling the door prizes, and several others helping set up, take down, clean-up, and loading Les' antenna truck).

The only door prize we paid for was \$470 for the Yaesu FTM 500 won by Dell NSP who bought \$5 worth of tickets. Jay W0ENX donated all the antennas. Pic of Dell NSP with the Yaesu dual band is on the SWIARC site – SWradio dot org.



**Don W0AF holds the Discone antenna he won at McClelland.**

Prizes included the Yaesu dual band; half a dozen antennas from W0ENX; several ARL certificates to buy books, and the N3FJP logging software. In the pic above Don W0AF is holding the Diamond brand discone antenna and a block of wood with his callsign on it – W0AF. Turn it 90 degrees and it says “Don”. He cut it with a scroll saw, and may make another for the winner of his 2M contest this summer.

We never did elect a club Secretary last year, but finally did this month. Only one person said Yes when nominated, and we elected Bill KD0FJR by acclamation. (ZQG has been doing Minutes in the interim.)

### **New Business**

Derek TYG said we have to renew our Zoom App if we want to keep using it. \$122 for the next year. Someone suggested WhatsApp for a substitute, but it does not work for larger groups like we have with several on the screen. Expense approved on a motion by GXD and 2<sup>nd</sup> by JYD.

ZQG motioned to allow up to \$20 each month for printed Minutes (payable to club Sec'y). After some discussion, there was no second.

Treasurer ZQG then announced that after much help counting (Chris FBL and Craig YTI) cash at the Hamfest and depositing it at the bank that there was \$27 cash left over (which messed up his nicely balanced Hamfest results). After some discussion during which the Treasurer said he could make the problem disappear, we awarded the cash to the new club Secretary to use making print copies for distribution at the meetings.

In more of 'New Business' the Treasurer said he is moving out of town in a month. Pursuant to our Club Constitution, we nominated several people to fill out the 2024 Treasurer's term, but none accepted. Unable to resolve the problem, it was tabled until next month. Craig YTI, who along with Greg N0GR remains on the bank's list of club representatives, will sign checks in the interim.

We adjourned the meeting at 8:35 PM.

Minutes by acting Club Sec'y, WA0ZQG

# Minutes 04 / 2024

Pres Derek TYG called the meeting to order at 7PM and proceeded with the pledge to the flag. Present were these 24 Persons. Dan KB0TDW Talked on System Fusion. Both 442.225 444.075 support, It's plus and minus factors, differences Vs. other digital modes like D-Star, Motorola, etc.. Also discussed code plugs Very informative for the digital operators and Hams new to digital.

## Members Present:

Derek	WOTYG	Dale	WOHMO
Allen	KOAAI	Manny	KFOIWE
Keith	KE0AEP	Norm	WA0JYD
Don	WOAF	Dell	KF0NSP
Bruce	NOBHB	Rick	KA0RLR
Brad	K0CPU	Rich	K0RWJ
Bill	KD0FJR	Dan	KB0TDW
Greg	NOGR	Bill	N0WWA
Mark	KF0GVT	Craig	KD0YTI
Jon	KE0NWM	Suzanne	KE0WYL
Chris	KE0FBL	Paul	WB0GXD
John	AB0VX	Kevin	N0MHK

(24)

## Business Meeting started at 7:39

FJR presented printed Minutes from last month, and a YTI a double barreled Treasurer's report. Both were approved – the Treasury subject to audit. Some details of the finances:

**Monthly Treas. Report**

previous bal.	\$ 2,960
ARL insurance	- 200
McClelland hall rent	- 250
dues (before the Flea)	+ 147
Gross rec. at McClelland	+ 1,881
<b>balance</b>	<b>\$ 4,538</b>
Two new members paid dues	+ 40.00
New Balance	\$ 4,578

Craig KD0YTI is serving as temporary Treasurer.

## Repeater

Paul GXD, And Chris FBL, Trustee discussed Our repeater systems. They reworked remote command equipment that allows adjustments, Or on/off control of our equipment remotely without a trip to the antenna site. Some adjustments were made on .82 While not at full power .82 seems to have improved coverage.

The Repeater Committee welcomes signal reports on both systems, SWIARC Helped Pott County with some QRM/RFI Issues the county was having..

Our VHF .82 repeater 'lifeboat system' consists of the .22 Rx out at IWCC; a UHF link, and the 82 transmitter at the same Memorial Park site as 225, but with merely 10W to an omni antenna atop the shack. If that sounds weak, yeah sorta. We need a good site for .82. Several possible sites have been considered – But No site found.

Discussion of signal problems in SouthWest Omaha, FJR noted this. Note: Bill FJR retired his antique Motorola Spectra and Rick RLR helped with a redo of his mobile rig and antenna. Much better now.

A motion was made By GXD to keep all SWIARC nets on the 442.225 repeater Some nets were switching to other channels causing considerable confusion. Passed A secondary motion was made and seconded by Norm to keep Nets on the same channel as much as possible. There have been some QRM issues at times Especially bad on Ak's I46.94 Both motions Passed.

Paul said some maintenance was done with the voter and audio levels at the IWCC receiver site as the receiver system wasn't passing audio at time..

## Field Day

The site isn't settled yet. FDay Chair Keith AEP preferred the Lake Manawa site as we had 2 years ago, but the accommodative park ranger has moved on. The NEW site is Bob W0RJE's house 5 miles North of the Sugar's Saturday breakfast location way past Cow Patty's. On old 191. Shelter will be available IF severe weather shows up.

Minutes continued on next page --

## **Minutes 04/ 24 (cont.)**

### **Field Day and Old Business** Con't

WE discussed items needed at Field Day to be held at Bob WORJE's QTH. We need a Porta-Potty A Trash can, Propane for cooking.. after some phone calls a Vendor can supply a Potty for 217.50 plus delivery puts at \$247 Plus Tax. MOTION made to allocate \$300 for the potty and propane. Possibly gasoline??? Passed. A list is being made of other needs for food, water, other needs... generators???

WE were unable to use Lake Manawa as they will not allow tents to be put up!

SWIARC will provide communications support at the Parade in downtown Council Bluffs on May 11<sup>th</sup>. Meet at the EOC at Willow And Main at 8:30 AM

We had tabled a motion on Printing expenses. Bill KD0FJR stated the the \$27.00 allotment He was given seems to be holding up okay, AS he can make copies for 10 cents each at the Ralston Library.

We never did elect a club Secretary last year, but finally did this month. Only one person said Yes when nominated, and we elected Bill KD0FJR by acclamation. (ZQG has been doing Minutes in the interim.)

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Derek TYG said we have to renew our Zoom App if we want to keep using it. \$122 for the next year. Someone suggested WhatsApp for a substitute, but it does not work for larger groups like we have with several on the screen. Expense approved on a motion by GXD and 2<sup>nd</sup> by JYD.

In more of 'New Business' the Treasurer HAD said he is moving out of town in a month. Pursuant to our Club Constitution, we nominated several people to fill out the 2024 Treasurer's

term, but none accepted. Unable to resolve the problem, it was tabled until next month. Craig YTI, who along with Greg N0GR remains on the bank's list of club representatives, will sign checks in the interim. WE STILL Need to elect a trustworthy Person as club Treasurer. Please consider it!!

Someone brought a box of various items, tubes, old books to the meeting for anyone that wants them..

## **ANNOUNCEMENTS:**

Rick, KA0RLR announced that MFJ Enterprises in Starkville, MS is ceasing manufacturing and operations on May 17<sup>th</sup> They will likely sell off existing inventory while it lasts...

Derek said He had received a request for a 2<sup>nd</sup> Iowa Ham club to participate in the Lewis And Clark Expedition Trail Radio event. SiouxLand ARC is an participating club This will follow the route from the Mississippi Up the Missouri west to the Ocean. Mister M Millhorn AF7MM is organizing this for the Clark Co, Washington Radio Club. June 1<sup>st</sup> to 16<sup>th</sup>.

Early thoughts of doing an radio event at Offutt AFB base are being considered for late summer.

Bill KD0FJR will send an condolence card to the family of N0IVI Barbara Lindsley and Her husband Terry on behalf of SWIARC and AARC.

Motion made to adjourn.

We adjourned the meeting at 8:28 PM.  
Minutes by Club Sec'y, KD0FJR