



Affiliate

# Printed Circuit

– July/Aug 2024 –

Published by the Southwest Iowa Amateur Radio Club Inc.

SWIARC meets the 4th 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>

## SWIARC ARRL FIELD DAY 2024



The Unofficial Results from the SWIARC Field Day activity are summarized below.

Derek has a breakdown on the SWIARC's [Home](#) page here.

CW	Digital	Phone	
Total QSOs	0	160	252
Total Points	0	320	252

Claimed Score

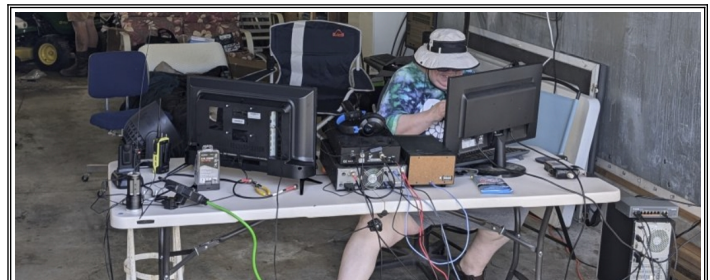
$$(QSO \text{ points} \times \text{power mult}) = 1224 + 670 = 1894$$



Dan's KB0TDW cool setup

## The Action 2024

- July 6, 13, 20, 27, 29  
8-930am **Saturday Breakfast**  
**Sugar's Diner\***
- July 6  
9-1030am **Heartland Hams Monthly Breakfast**  
**Toby Jack's Mineola Steak House\***
- July 13  
8-3pm **Pioneer ARC Fleamarket**  
North Bend City Auditorium
- July 13  
8am-1230pm **Coffee at the Lake**  
**Lake Manawa, Council Bluffs**
- July 25  
7-8pm **SWIARC Club Meeting**  
**Red Cross Building\***
- Aug 3, 10, 17, 24, 31  
8-930am **Saturday Breakfast**  
**Sugar's Diner\***
- Aug 3  
9-1030am **Heartland Hams Monthly Breakfast**  
**Toby Jack's Mineola Steak House\***
- Aug 10th  
**Coffee at the Lake**
- Aug 22  
7-8pm **SWIARC Club Meeting**  
**Red Cross Building\***



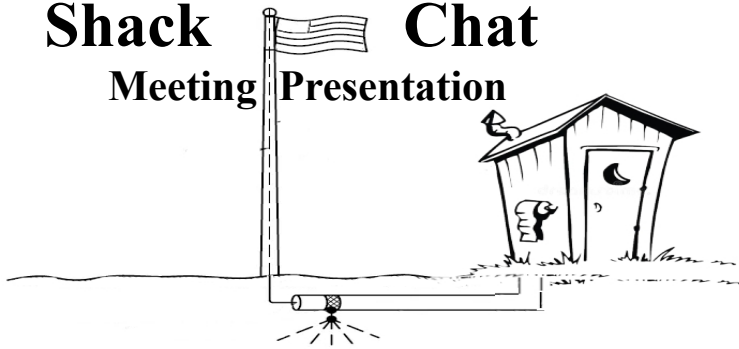
Yes, It's like that!



Thanks to Chris KF0xxx for cooking up a delicious BBQ dinner for everyone!!

# Shack Chat

## Meeting Presentation



To most people Full Metal Jacket is a vietnam era movie about marines, but to Craig KD0YTI a Full Metal Jacket is a very compact and mobile Milstick antenna. Extending 17 ft high it covers 6-80M HF bands quite well.

Directional pre-tuned touch free operations are optimized for DX and NVIS that requires no guying and deploys in 5 minutes.

Craig reports it has a SWR up to 1.7 but with an antenna tuner rests between 1-1.2 across all bands.

Signal Pattern(Fig 1): Using the NVIS, Vertical & Grounded Counterpoise elements, the balance of the system launches your signal at your target in the opposite direction the NVIS element is run. For an omnidirectional signal pattern, you may remove the NVIS element.

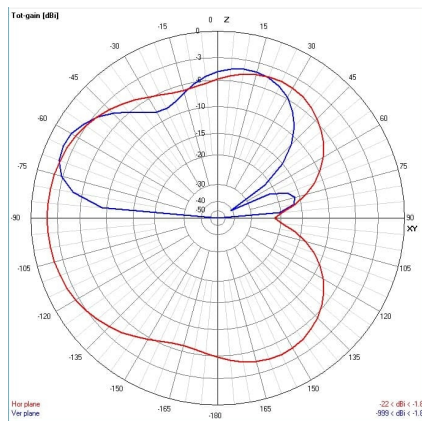


Figure 1:  
Hey, I remember seeing these before!

(BLUE is from the Side & RED is from Above the antenna)



Antenna kit and accessory's available on Alpha's Website starting at ~\$600 for stainless steel and 1/2 the cost for a non-stainless option.

Check it out here if you'd like,  
<https://www.alphaantenna.com/product/6-80-meter-hd-fmj-portable-hf-vertical-dipole-antenna/>

Thanks Craig!



## 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.

SWIARC ONLINE



## 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

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

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

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

**More Local Nets here:**  
**<https://swiradio.org/ants/>**  
**and**  
**a clippable list on Page 4**

## Club Meetings

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



### **What do we call someone who has passed the Federal Communications Commission (FCC) amateur radio license exam?**

It depends on the country. Since you said FCC, I'm assuming the United States. In the U.S. they would call us an Amateur Radio Operator. In the U.K. we would be a Radio Amateur. In most Spanish speaking countries it would translate to Radio Aficionado. We are also called the unofficial term, 'hams' or 'ham radio operators'.

The same story also relates to the story of how the word ham came from the Cockney English pronunciation of the word amateur, **h'amateur**.

But maybe not from the connotation as used on the stage to denote strictly underrate performances, but from the attempt to pronounce the word '**amateur**' by users of the Kings English.

or

**A telegraph operator or radio amateur.** Abbreviation for hammer because the key operates with an up and down motion similar to a hammer. Applied in a derogatory sense as an amateur does not have a light and gentle touch, but hammers the key.

This would be similar to saying that someone was "**ham fisted**" which meant that they could not send CW very well.

or

Within Australia, the term "HAM" is sometimes used as a acronym for the words **Hobby Amateur**.

or

**Heinrich Rudolf Hertz, Edwin Armstrong, and Guglielmo Marconi:** Another theory proposes that "HAM" is an acronym formed from the initials of these three pioneering figures in radio communication. However, Edwin Armstrong was still a student when the term originated, making this theory unlikely but the one I like.

73...



## 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	KØSWI 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	KØSWI 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	KØSWI 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)

## 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).*

## 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 WBØGXD (Assistant)

### Club Committees

Repeater Chris KF0FBL

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

Paul WBØGXD (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)

# Minutes 05 / 2024

Pres Derek TYG called the meeting to order at 7PM and proceeded with the pledge to the flag. Present were these 20 Persons. No technical program.

## Members Present:

Derek	W0TYG	Brian	W0BEP
Keith	KE0AEP	Norm	WA0JYD
Don	W0AF	Wayne	KN0WDJ
Bruce	N0BHB	Rick	KA0RLR
Rich	K0RWJ	Chris	KF0FBL
Bill	KD0FJR	Dan	KB0TDW
Don	W0AF	Terry	KS0L
Dennis	WA0VJL	Craig	KD0YTI
Suzanne	KE0WYL	Paul	WB0GXD
Kevin	N0MHK	Richard	WA0// WA5ZQG

20 Members Present Or on Zoom

## Business Meeting started at 7:00

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:

Starting Balance \$ 4,578  
 Payment of Dues and additions  
 Ending Balance of \$4678.22  
 Motion to accept for audit by Derek 2<sup>nd</sup> by Norm Passed  
 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 . Paul re-aligned .82 Was having some desense problems And getting internment spurs every 60 kilohertz Fixed. On Wednesday May 22<sup>nd</sup> The 146.82 Repeater was transmitting a continuous signal, issue quickly assessed and fixed.

The Repeater Committee welcomes signal reports on both systems, ..

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,. We need a good site for .82. Several possible sites. There have been some QRM issues at times Especially bad on Ak's146.94

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 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.& L34 Shelter will be available IF severe weather shows up.

A motion made to allocate \$400.00 allowance for field day expenses. Funds for the rental Porta-Potty already approved.. Motion By Dan and 2<sup>nd</sup> by Paul. PASSED.

## Old Business Con't

Out gavel for the President's use seemed to be missing... Paul GXD has gotten a new one.

SWIARC will provide communications support at the Celebrate CB Parade in downtown Council Bluffs on May 11<sup>th</sup>. Meet at the EOC at Willow And Main at 8:30 AM 16 volunteers showed up and all went well. Used 800 Mhz radios.

We have been asked to help with the Veteran's Day Parade to be held on Nov 9<sup>th</sup>.

Also some discussion of late summer Air Show at Offutt AFB

It was noted that the 13 Colonies contest will be held over 5 days in early July.

## New Business on page 2

## New Business

AMENDED

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, Craig KD0YTI accepted to continue as Treasurer until the end of 2024 Norm motioned to Close nominations. Rick RLR motioned to elect Craig 2nd by Bill FJR

PASSED Elected by Acclamation. Norm inquired IF the Club has any time deposits> NO

There was a discussion of needing to change bank accounts for club funds as bank rules makes signer changes difficult CLUB MEMBERSHIP VOTED TO CLOSE THE OLD SWIARC Inc CHECKING ACCOUNT! <<<<<

Bill FJR brought a box of various items to the meeting for anyone that wants them.. He has a number of items that Rich WA0ZQG didn't wish to take to Oklahoma!!

Speaking of Richard Swig A fancy certificate was GIVEN FOR His many years of loyal service to the club thought to be around 50 years!! Rich is soon moving to Bixby, Oklahoma and plans to ask for call sign WA5ZQG, A round of applause for Rich !!

## ANNOUNCEMENTS:

Norm, WA0JYD mentioned the upcoming Hamfest at North Bend, NE on Saturday July 13<sup>th</sup> Bill KD0FJR has rented a table and will be bring many of Rich;s ZQG;s old items.. Always a good Hamfest!

CW contest is being held with a century old Key as the Prize!! Organized by Mike KC0FAN

And a VHF contest being held June 1 TO July 30<sup>th</sup> CW and simplex voice on FM and SSB modes..

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

Bill KD0FJR Did send an condolence card to the family of NOIVI Barbara Lindsley and Her husband

Terry on behalf of SWIARC and AARC. Terry expressed His thanks for the Card. Also sent Rick KA0RLR a get well card also....

Motion made to adjourn.

Some old QST's were brought to the meeting for members to look at and take home.

We adjourned the meeting at 7:46 PM.  
Minutes by Club Sec'y, KD0FJR

73's

## Minutes June 27 / 2024

Pres Derek TYG called the meeting to order at 7PM and proceeded with the pledge to the flag. Present were these persons.

### Members Present: 21

Derek	WOTYG			
Allen	KOAAI	Wayne	WNOWJD	
Norm	WA0JYD	on Zoom	Terry	KS0L
Don	WOAF	Dell	KF0NSP	
Rick	KA0RLR	Matt	KF0OWB	
Bill	KD0FJR	Dan	KB0TDW	
Greg	N0GR	Bill	N0WWA	
Mark	KF0GVT	Craig	KD0YTI	
Jon	KE0NWM	Suzanne	KE0WYL	
Chris	KE0FBL	Paul	WB0GXD	
Dennis	WA0VJL	Bob	W0RJE (21)	

Terry KS0L And Paul WB0GXD presented a program on ARES in Pottawattamie County.

### Business Meeting started at 7:41

FJR presented printed Minutes from last month, Bill provided a revised copy of the minutes and an official gold stamped copy to Club President, Derek. Then Craig YTI stated the Treasurer's report. Both were approved – the Treasury subject to audit. Some details of the finances:

#### Monthly Treas. Report

JUNE bal. \$		4,698.22
membership dues	+	20.00
Repeater Donation	+	500.00
some checks waiting to clear...		

### Repeater

Paul GXD, And Chris FBL, Trustee discussed Our repeater systems. They are working on relocating the 146.820 antenna site. Some adjustments were made on .82 While not at full

power .82 seems to have improved coverage. >.82 is currently hosted at Paul WB0GXD's QTH. The voter unit is DEAD! Dan has offered a replacement unit for \$100.00 Some re-tuning made. The Repeater Committee welcomes signal reports on both systems.

We need a good site for .82. Several possible sites have been considered – But No site found. There is the possibility of returning to the IWCC tower in east Council Bluffs. The intent is to migrate the .82 rack to the IWCC hut AFTER we fix the decayed hut floor. Coordinating with Joel Stacy OQL at IWCC facilities.

A motion had been made By GXD to keep all SWIARC nets on the 442.225 repeater Greg N0GR stated that the club might want to turn the PL back on both repeaters to help with QRM issues....

Motions passed. A generous donation of \$500.00 was made by Denny WA0VJM. Thank You!

### Field Day

The NEW site was Bob W0RJE's house 5 miles North of Cow Patty's on Old 191 and L34 on June 22 – 23. We operated as 3A We had 612 contacts as 160 Digital 252 as phone contacts None on CW! UNOFFICIAL number of points of 1,894 TOTAL. Dan and Dell were a big help!

A round of applause for everyone's efforts. Dell made an contact with Ukraine! And the Wi-Fi set up worked well.. Many Thanks to Bob W0RJE for the use of his QTH location.

A reimbursement request on Food was asked for by Chris. We contacted Most states & Hawaii.

P.S. Bill Snyder took a number of Field Day pictures and will share them at the next meeting in book form.

#### NEW BUSINESS

Dan KB0TDW motioned to allocate \$80.00 towards the purchase of 2 "generic" Ham Radio Event -- Public welcome FLAGS with masts. Motion passed 2<sup>nd</sup> by Rick RLR

Don Brown will order these for the Club.

Since Rich WA5ZQG moved to Oklahoma the club bank account is in the process of being revamped..

Minutes continued on next page -->

## **ANNOUNCEMENTS:**

The always popular 13 Colonies Contest is being run from July 1<sup>st</sup> Until July 7<sup>th</sup> on the East Coast!  
A VHF contest runs though the end of July  
AND  
A CW contest to October.

Bill KD0FJR mentioned the Hamfest On July 13<sup>th</sup> at North Bend, NE and will have much of the items that came from Rich Swig WA0//WA5ZQG available for sale.

The meeting was adjourned at 8:15 PM GXD / FJR

Minutes by Club Secretary Bill Snyder  
KD0FJR