

A Fresno Amateur Radio Club Newsletter Nov., 2023 Volume 86, Issue 11



Dues! The Fresno ARC encourages all old and new members to fill out the form on the last page of any Skip and send with checks to the club P.O. Box. Remember to make checks out to "Fresno Amateur Radio Club, INC."

# **November FARC Swap Meet**

Sat Nov. 11 8 A.M. to 1 P.M..

Sellers arrive and set up at 7 A.M.

Admission is FREE for everyone

FARC Next Event-Swap Meet Nov. 11, Sat.

FARC BOARD meets the 1st Tuesday of the month, next meeting Nov.7

#### **FARC Nets**

Morning Drive Time Net: Weekday mornings-7:30—8:00 a.m. W6TO/R 146.940

#### **FARC Net:**

Sundays @ 7:00 pm W6TO/R 146.940

Web page: W6to.com

Location of Swap Meet:

Lion Automotive 2944 Phillip Avenue Clovis, CA 93612-4934

Directions: From Clovis Ave. turn East onto Gettysburg Ave. and travel for 2 blocks, turn South on Phillip Ave., proceed to Lion Automotive building and Parking Lot.

Walk through the open gate to the Swap Meet, which will be held in the fenced yard attached to the building.

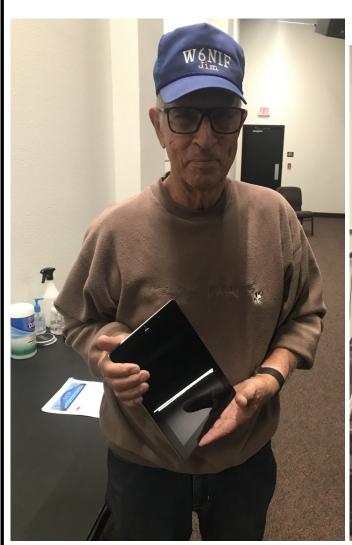
Coffee, donuts and popcorn this year, hot dogs At lunch. TX hunt at 10 A.M. Remember to check into our FARC nets when you can, on the W6TO repeater (146.94-). Drive time net Monday through Friday at oh dark thirty, and the Sunday night net at 7 P.M.

Aaron K6USY at the last meeting presenting Parks and Peaks on the Air.

Jim W6NIF was the top prize Oct. meeting winner in the prize drawing. Banquet reservations now being taken, also a good time to think of next years dues.

Look on page seven for information on the Christmas dinner, which is in leu of the Dec. meeting.

Regular meetings resume in January.





FARC- New Members! 2023 dues now due! Stay on the membership list! Send your dues check to Fresno Amateur Radio Club, INC., PO Box 5912, Fresno 93755-5912 Board meeting on the first Tuesday of the month. Details from Stu, WB6VRJ

# These items with be at the Nov. Swap!

Amateur Radio Estate Inventory For the Estate of: Roger Corum WD6CNV					
MAKE	MODEL	SERI- AL	DESCRIPTION	NOTES	VALUE (Used)
Ten-Tec	Arganaut 515		QRP HF XCVR	Matching P/S, Speaker	\$100.00
Kenwood	TS-130		HF XCVR		\$100.00
Astron	RS-35		13.8V Power Supply	Sold	\$80.00
Icom	IC-551		6 Meter All Mode XCVR	10W Version	\$200.00
Kantronics	KT-180		80M 20W XCVR		\$100.00
LDG	Z817		QRP Autotuner	Antenna Tuner	\$80.00
Kenwood	DM-81		SS Dip Meter	NIB No Coils	\$20.00
Various			Misc. Antennas Fixed and Mobile		

Amateur Radio I	Estate Inventory	у			
For the Estate of:	Jack Baker AC6	LT Oct. 2023			
MAKE	MODEL	SERIAL	DESCRIPTION	NOTES	VALUE (Used)
Yaesu	FT-1000MP	8K340022	HF XCVR	W\Manual	\$600
Yaesu	VL-1000	OM26000-5	HF \ 6M Linear Amp	W\ Cables\Manual	\$1,200
Yaesu	VP-1000	OM300020	Power Supply for VL-1000	W\ Cables\Manual	\$1,200
Yaesu	FT-1000	51460089	HF XCVR	W\Mic and Pwr Cbl	\$500
Yaesu	SP-5	6J026	Ext Speaker		\$100
Ameritron	AL-811	19126	HF Linear Amplifier		\$800
Autek	WM-1		SWR Meter		\$100
Ameritron	ARB-704		Amp to XCVR Interface		\$20
Kenwood	TM-V71	A9600331	FM Dual Band XCVR	W\Mic and Pwr Cbl	\$400
Astron	RS-35A		Power Supply		\$80
Hy-Gain	Ham IV		Rorator Control Box		·
Bencher			CW Paddle		\$40
Wouxun	KG-UVD1P	J10-1116	Dual Band HT	W \ case	\$50
Icom	IC-T2A	3461	2M HT		\$30
Radiosport			Headphones		\$20
Fluke	77	49680075	Multimeter	W∖ Case and leads	\$50
Realistic	20-301	125085170	10 Ch portable Scanner	W∖ Wallwort	\$20
Micronta	21-525B	3A6	F\S and SWR Meter		\$20
MFJ	MFJ-422		Electronic Keyer Paddle	No P\S	\$25
MFJ	MFJ-1702B		2 Pos Ant Switch	SO-239s	\$15
B&W	593		3 Pos Ant Switch	SO-239s	\$20
Hi-Gain	TR-44?		Rotor Motor	W∖ Gnd Straps	
Kenwood	TM-641A	30500108	2m \ 220Mhz FM Multiband XCVR	W\ Mic	\$80
Kenwood	TM-271	A9400972	2m FM XCVR	W\Mic, Mobile Mnt, Book	\$80
Comet	CFX-324		Triplexer 1.3 to 500 Mhz		\$50
MFJ	MFJ-259B		HF\VHF SWR Analyzer	NIB	\$150
JPS	NIR-10	14486	Noise Intreference Reduction Unit		\$60
Alpha Delta	Delta-4		4Pos Ant Switch	SO-239s	\$20
Waterman			J-38 Hand Key		\$40
Ham-Key	HK-1		Dual Paddles		\$30
Horace Martin??			Classic "Bug"		\$20
Kenwood	TS-850SAT	211003278	HF XCVR	Вох	\$400
Kenwood	PS-52		30A P\S	Box	\$100
Kenwood	SP-31		Ext Speaker	Box	\$50
Heathkit	SB-200		Linear Amp	Rough Shape	\$400
Heathkit	GD-13		GD Meter	W\Coils in box	\$50
James Millen	92200	534	Transmatch	, , , , , , , , , , , , , , , , , , , ,	\$100
Robyn	T-240D	25026306	40 Ch XCVR	In Shrink Wrap	\$400
<b>J</b> · ·	_ = - = =				Page 3

#### **FARC BOARD OF DIRECTORS**

FARC Officers and Board members:

Ken Holden, WA6OIB Pres.	wa6oib@w6to.com (559) 289-2891	12/2024
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Marcus Beedle KG6QNY Treas.	kg6qny@w6to.com (559) 360-7444	12/2024
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Skip Editor John Morrice, K6MI k6mi@pacbell.net (559) 275-7373 (550) 906-7031 cell



You can download this and past Skip issues under the Document Archive menu by visiting w6to.com.

On the even years four directors are elected, and on odd years three directors are elected.

For sale adds on the next to last page of Skip!

Take advantage of the opportunity, send your adds to K6MI at pacbell.net

### <u>Swap meet Sat. Nov. 11 8-1 P.M.</u>

# Banquet dinner Dec. 8, 6 P.M.

San Joaquin Valley Nets:

The California Traffic Net meets daily on 3.906 MHZ and 6:00 PM local time.

The Golden Bear Amateur Radio Net meets nightly at 7:00 PM local time on 3.975 MHZ.

Northern California Net (NCN), the Section Traffic Net, meets nightly on 3.533 MHZ at 7 PM Pacific Time.

San Joaquin Net meets Monday-Saturday on 3918 khz, at 6 PM Pacific Time.

Western Public Service System (WPSS) meets nightly on 3952khz, roll—at 7:30 PM local Pacific Time. The Mission Trail Net meets nightly on 3.857.5 MHZ at 8:00

The Mission Trail Net meets nightly on 3.857.5 MHZ at 8:00 PM local time.

Northern California Net 2 (NCN2) The slow speed training session of NCN, meets nightly on 3.533 MHZ at 9 PM Pacific Time. Handling traffic on CW is a good way to improve your CW skills.

Sunday Night FARC 2m net 7 P.M. 146.94 Mc. Sunday and Wed. Night 2m Bozo Net, 7:30 P.M. 144.24 Mc. USB Monday 220 Mc. 7:30 P.M. USB 222.1 Mc followed by check ins on 50.140 Mc. USB Tuesday 7:30 P.M. USB 1296.1 Mc. Thursday 7:30 P.M. 432.1 SSB net

Wednesday 7 P.M. 10M cw net, 28.140 Wednesday 8 P.M. 10M ssb net 28.445

Every Wednesday night is an enjoyable time for all ham operators. At 7PM local time, there is a CW net on 28.140 MHz-the NCS is Guss, KF6ZXO- welcomes all hams regardless of CW speed. Then around 8 PM local, there is the USB net on 28.445 MHz.

The *Noontime Net* is a public service Amateur Radio *Net* that meets everyday on 7284 kHz. and 3970 kHz. with an <u>alternate frequency of 7265 kHz for both *nets*.</u>

QCWA net on 146.85 pl 141.3 7 P.M. on the Monday before the fourth Tuesday of the month.

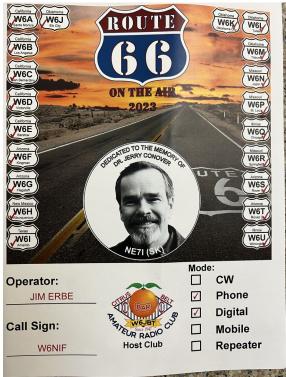
Backup FARC repeater if 146.94 is down— 146.61 pl 141.3

As reported in last month Skip, Jim worked all the Rt. 66 stations this year (Perry K6XJ did as well), and received this certificate with all the possible stations checked off.

The rest of the pictures are from the crew that took down Jack AC6LT's antennas, which will be for sale at the FARC Swap meet.

Ken WA6OIB on the tower, Larry W6OWL, Jim W6NIF and John K6MI cleaning up.









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# Local Amateur Radio Repeaters

		Madio Mepedic	JI J	
<u>Organization</u>	Call Sign	Frequency	Offset	<u> PL</u>
CARP	K6ARP	146.865	-	141.3
CARP	N6JXL	224.380	-	141.3
CARP	K6ARP	444.725	+	141.3
CARP	NI6M	440.350	+	141.3
CONDOR	WB6BRU	224.900	-	156.7
FARC	W6TO	146.940	-	141.3
FARC backup	WA6OIB	146.61	-	141.3
FARC	W6TO	223.940	-	141.3
FARC	W6TO	444.200	+	141.3
BRA	W6FSC	145.230	-	141.3
BRA	W6FSC	443.450	+	141.3
KINGS ARC	N6CVC	145.110/444.95	-	100.0
NC9RS	NC9RS	927.6625/902.0125	5 -	146.2
MADERA ARC	W6WGZ	147.180	+	146.2
MADERA ARC	W6WGZ	441.175	+	146.2
QCWA	WQ6CWA	146.850	-	141.3
QCWA	WQ6CWA	443.250	+	107.2
RACES	KJĞOUG	147.150	+	141.3
KE6JZ	KE6JZ	146.820	-	141.3
TURLOCK ARC	W6BXN	147.030	+	100.0
Fresno Low	K6WGJ	145.43	+	141.3
Meadow	N6VRC	147.165	+	141.3
Meadow	N6VRC	440.025	+	141.3
Santa Rita	N6VRC	147.285	+	141.3
Santa Rita	N6VRC	442.275	+	141.3
Visalia	N6VRC	442.525	+	141.3
Porterville	N6VRC	443.825	+	141.3
Fresno Low	K6WGJ	444.975	+	141.3
Bear Mt.	N6VRC	443.950	+	141.3
Mt. Bullion	N6VRC	442.350	+	141.3
Bear	N6VRC	927.05	+	141.3
WA6IPZ	WA6IPZ	52.84	-	82.5
Tulare CARC	WA6BAI	146.88	-	103.5

# **Birthdays**

11/01 Joel KD6PCZ 11/04 Gwynne WA6VZM 11/05 John K6MI 11/24 Rob KM6SRR 11/27 David WB6DJJ 11/29 Bob K1RLP

### **Anniversaries**

11/05 Karen a& Duane KI6QEL 11/05 Karen & Aaron K6USY 11/15 Barbara & Joe W0PJD 11/23 Bonnie & Richard N6FUB Ten meter net, CW and Phone, every Wednesday 7 P.M. for CW at 28.140

8 P.M. for SSB at 28.445

This is a local net, the cw part run by KF6ZXO, and the SSB with various net control ops.. Have fun checking in on one or both modes.

# The monthly attendance prize!

Next drawing will be \$40 at the Dec. Dinner. This is the one time a year when the names will continue to be drawn until there is a present winner. Oct.

winner was not present.



QCWA Quarter Century Wireless Association Jeb's Blueberry Hill Café 3851 N. Blackstone Fresno, CA 93726

QCWA Net on Mondays at 7 P.M. on 146.85 pl 141.3. Every Monday!

Nest meeting on the forth Tuesday of Nov. (Nov. 28, Tuesday noon)





# Amateur Radio VE Exam - Fresno

When: -- Saturday, November 4, 2023, 9:30 AM

Where:-- Hinds Hospice 2490 W Shaw Ave Fresno, CA 93711

Registration is recommended Payment In Full At Event Only

Everyone US\$ 15.00 (pay at venue)

Amateur Radio Exam Session

Exams offered for Technician, General, and Amateur Extra Class Be sure The General Class Study Guide is dated effective July 1, 2023.

#### What to Bring:

- 1. Photo Identification State issued Drivers License or ID Card, Passport, or Military ID Card.
- 2. FCC Registration Number (FRN) Required prior to exam, see details below.
- 3. (if upgrading) Official Copy of current Amateur License or Successful Completion of Examination (CSCE certificate)
- 4. Valid Email address
- 5. Fee \$15.00 per test session. Exact change please.

**CORES FRN Requirement** - Applicants must use an FCC Registration Number (<u>FRN</u>) for all license transactions with the FCC. Examinees must <u>register in CORES</u> and receive an FRN before exam day. Exam Candidates you are REQUIRED to register in the FCC CORES system and receive a FCC Registration Number (FRN) before exam day. Applications that do not have an FRN will be **rejected** by the FCC.

An <u>instructional video</u> provides step-by-step instructions on how to establish a CORES account, which is necessary for licensees to make administrative updates and download electronic license authorizations.

**Email address** - All filers <u>must provide an email address</u> on all applications. When an email is provided, applicants will receive an official electronic copy of their licenses once granted (allow incoming email from <u>authorizations@fcc.gov</u>). If no email is provided when filing applications will be rejected. ARRL VEC suggests that those without access to email to use the email address of a family member or friend.

**FCC Application Fee** - The new FCC \$35 application fee, when it becomes effective on April 19, will apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications. The fee will be per application. When the FCC receives the examination information from the VEC, it will email a link with payment instructions to each successful candidate who then will have 10 calendar days from the date of the email to pay through the FCC <u>CORES</u> system.

I compiled the following list which may be of interest to members with radios that need repair:

- 1. Ham Radio repair backlog to end of November
- 2. Sarts1.com -
- 3. MTS not taking new customers
- 4. W7ARS budgarside@juno.com
- 5. affordable radio repair N0BXE

Most have websites and good ratings from eHam.com reviews. I still hope to find a local solution.

Hope you find it useful. 73, Richard N6FUB

The Intrepid-DX Group is a US based 501 C(3) nonprofit organization that promotes Amateur Radio activities around the world.

The Intrepid-DX Group recognizes the importance of including Youth in our great hobby because they are our future! We are continuing with our annual "Dream Rig" Youth Essay Contest to gather the views and ideas of young people involved in Amateur Radio.

The First Place prize is an ICOM IC-7300!

The Second place prize is an ICOM ID5100AD dual band mobile radio with D-Star.

The Third place prize is an ICOM ID52A dual band handy talkie with D-Star.

Contest Rules:

- 1) Two-page Essay answering this question: What attracted you to amateur radio?
- 2) Contestants must be USA or Canadian Amateur Radio License Holders Age 19 or younger. All contestants must be in the US, including US territories or Canada.
- 3) Promise to keep the radio for one year, not flip it, trade it or sell it, and to use it on the air.
- 4) Send an essay in plain text, PDF or MS Word attachment to <a href="mailto:intrepiddxgroup@gmail.com">intrepiddxgroup@gmail.com</a> (<a href="mailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:intrepiddxgroup@gmailto:i
- 5) You may alternatively mail it to: The Intrepid-DX Group, 3052 Wetmore Dr, San Jose, CA 95148, USA. Must be postmarked by November 30, 2022.
- 6) Those that have previously submitted an essay may compete in this year's essay contest as long as all other criteria are met.
- 7) The winner of the Essay Contest will be announced on our Website and Facebook page on December 15 th, 2023. Winner must agree to provide a photo with their prize.

All submissions become the property of the Intrepid-DX Group and the winners authorize the Intrepid-DX Group to use their photographs to promote the contest.

Questions: Send an email to intrepiddxgroup@gmail.com (intrepiddxgroup@gmail.com)

You can follow our contest and receive updates via our Facebook page.

Good luck to everyone! Paul N6PSE President, The Intrepid-DX Group

<sup>\*</sup>Announcing our 4 th Annual Youth "Dream Rig" Essay Contest.

#### **Tube of the Month**

# 3CX1000A7/8283

EIMAC's development of ceramic tubes in the 1950s initially resulted in the production of the 4CX1000A followed by the 4CX300A.

Research on ceramic triodes was also started while the old glass triode line was still being produced. The glass tubes had their limitations because of size and inability to operate in the higher VHF frequencies.

The 4-1000A was a very successful tube, so new 1000-watt ceramic and glass triodes were a natural choice for expansion.

The basic "breechlock" construction was incorporated in some experimental triodes as early as 1957. In 1962, the new zero bias ceramic tube designated the 3CX1000A7 was announced. The maximum plate voltage is 3500 at 1 amp. The fast-heating, thoriated-tungsten, filament is rated at 5 volts at 30.5 amps. The frequency for full power is 220 MHz and the tube has a mu of 200. This tube was designed for grounded grid operation especially in VHF-TV service.

The tube can be used at higher frequencies with reduced ratings. EIMAC demonstrated this capability when they built a 432-amplifier using the tube and published the details in their <u>Amateur Service Newsletter AS-25</u>. With the ability to incorporate the tube's plate structure as part of the output inductance without any lead connection, allows the use of coaxial as well as strip line construction in UHF amplifiers.

EIMAC promoted this tube as a ceramic version of the <u>3-1000Z</u> that was developed at the same time. This tube is not to be confused to the <u>3CX1000A3</u> which is a more modern tube announced in 1983 for industrial heating.

Norm N6JV

Visit the museum at N6JV.com





### **USING HAM RADIO FOR EMERGENCY COMMUNICATIONS**

Ham radio, or amateur radio, plays a crucial role in emergency communications during disasters, emergencies, and public service events. Here are the key aspects of using ham radio for emergency communications:

## 1. Licensing and Training:

To participate in emergency communications, you'll need an amateur radio license. In the United States, the entry-level license is the Technician class, which grants access to the VHF and UHF bands commonly used for local emergency communications. Consider taking additional training or courses in emergency communications and procedures. Many organizations offer courses and certifications, such as the Amateur Radio Emergency Service (ARES) and Radio Amateur Civil Emergency Service (RACES).

## 2. Join Local ARES/RACES Groups:

Join your local Amateur Radio Emergency Service (ARES) or Radio Amateur Civil Emergency Service (RACES) groups. These organizations work closely with emergency management agencies to provide communication support during disasters. These groups often conduct drills, exercises, and training sessions to prepare for emergencies.

## 3. Equipment and Power Sources:

Have reliable and portable ham radio equipment suitable for emergency use. Handheld transceivers (HTs) and mobile radios for VHF/UHF bands are often the primary choice for local communications.

Consider battery backup systems or generators to ensure you can operate your equipment when commercial power is unavailable.

# 4. Emergency Nets:

Many regions have established emergency nets on designated frequencies where ham radio operators can check in and provide status updates during an emergency. Familiarize yourself with these nets and their procedures.

# 5. ICS and NIMS Training:

Learn about the Incident Command System (ICS) and the National Incident Management System (NIMS). These systems are used by emergency management agencies and provide a standardized framework for managing emergency incidents.

## 6. Preparing Your Go-Kit:

Create an emergency "go-kit" that includes your radio equipment, spare batteries, antennas, essential supplies (food, water, first aid), and any necessary documentation (licenses, frequency plans, emergency contact information).

## 7. Antennas and Propagation:

Be familiar with antenna options and their propagation characteristics. In an emergency, you may need to set up temporary antennas to establish reliable communications.

### 8. Practice and Simulations:

Participate in emergency communication drills and exercises. These events simulate emergency scenarios and help you test your equipment and procedures.

## 9. Establish Relationships:

Build relationships with local emergency management agencies, first responders, and other relevant organizations. Being recognized as a reliable and trained resource can increase your role in emergency communications.

## 10. Stay Informed:

• Keep up-to-date with emergency news and alerts. Many hams monitor local public safety frequencies and websites to stay informed about emergencies in their area.

### 11. Network and Collaborate:

• Ham radio operators often collaborate with other communication services like CB radio, GMRS, and public service agencies. Establishing a network of communication resources can be invaluable during a crisis.

# 12. Record Keeping:

- Maintain a log of your emergency communications activities. Accurate records can be crucial for reporting and coordination.

Using ham radio for emergency communications is a vital public service, and operators who participate in this role provide essential support to their communities during challenging times. Make sure you are well-prepared, trained, and connected with local emergency response organizations to be effective in this role.

Submitted by Duane KI6QEL

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Anything to sell? Send info to k6mi@pacbell.net for next month's Skip

Your add or card here! Talk to the treasurer about the yearly fee!

Looking for input, stories or pictures or just a sentence about your ham activities this month for the next. Skip.

Thanks, John K6MI

Aarons new antenna won at the club picnic! K6USY on the air.



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For Sale Yaesu Digital Voice Recorder Fits FT-900, FT-1000 and FT-1000D Have RTS program disk for Yaesu, Belfang, and some other radios. If you need programming call me. Want Bendix King programming cable for EPH HT. Dennis KI6NVG 559 323-7386



Swap meet on the second Saturday in November in place of a club meeting. Here is a picture of Jeff WB6ZBX next to the Harris MW-1A broadcast transmitter that he recently restored and put on the air. It is circa 1983, it was billed as the first com-



mercially available all solid state 1KW AM transmitter. It is full of lots of TO-3 transistors. It is on the air on 1925 khz, listen for it this winter.

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# Fresno Amateur Radio Club — Membership Application

Name	Call	\$20 DuesDate
Street Address City State	e Zip	
Home Phone ()	Cell Phone	()
Email ADR		(for delivery of Skip Newsletter
License Class	Year 1st Licensed	ARRL member
Birthday (Month/Day)_	irthday (Month/Day) Wedding Anniversary (Month/Day)	
Spouse's name		
Additional licensed Fam	ily Member(s) in same hou	sehold (\$5 each)
Name	Call	Birthday
Make checks out to: Fre	esno Amateur Radio Club. II	nc. (Do not abbreviate)

FRESNO AMATEUR RADIO CLUB, INC. P.O. Box 5912 Fresno, CA 93755-5912

