



**FARC Next Event—
Meeting March 8 ,
Fri. 7 P.M.**

**Derrel's Mini Stor-
age Meeting Room
3239 E. Ashlan
just East of Valen-
tine**

FARC BOARD meets
the last Thursday of the
month.

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
Morning Net 7:30 A.M.

Web page:
W6to.com

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."

Gwynne,
WA6VZM, at
the Feb. FARC
meeting with
the Valentine's
deserts.

The meeting
was a happy
occasion for all
to meet and
share stories as
well as some
great food.

Thanks to eve-
ryone who
brought delights
to tempt us
with. For once
there were no
donuts.

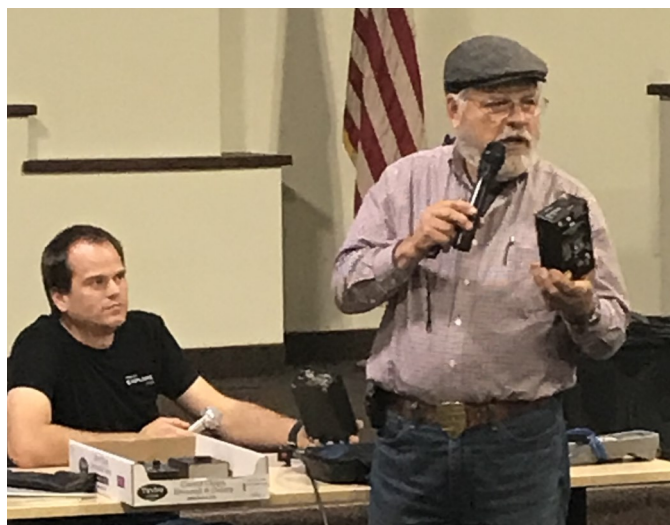
Info on page 2
for the next
meeting.



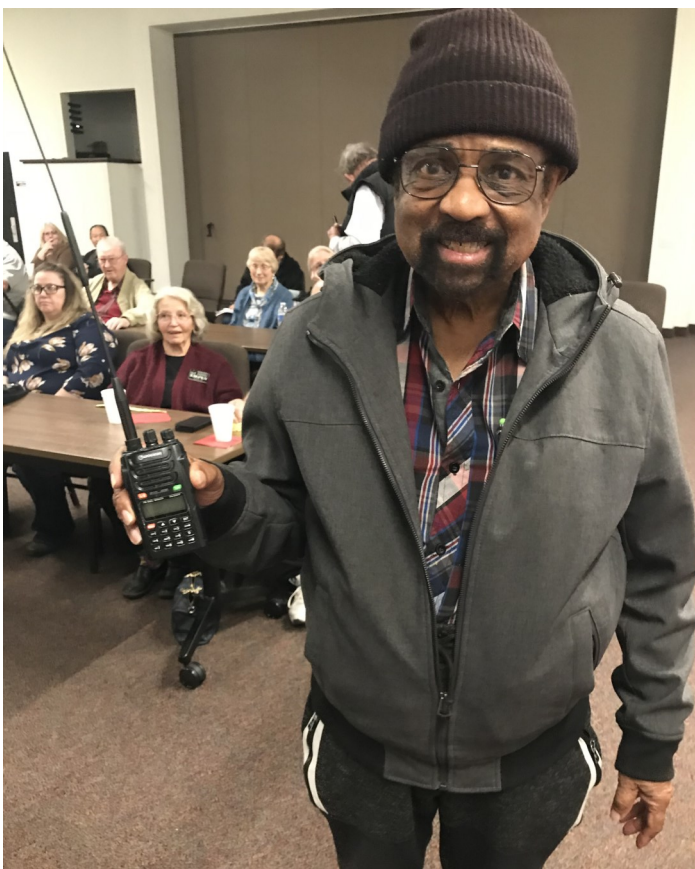
Remember to check into our FARC nets when you can, on the W6TO repeater (146.94-). Drive time net is Monday through Friday 7:30 A.M., and the Sunday night net at 7 P.M.

Regular meetings on the second Friday of the month.

Month	Topic	Summary
March	"OO" Night	The Amateur Auxiliary of the FCC
April	Soldering	Soldering methods and techniques
May	Wire Antennas	Learn how to deploy and tune Dipoles and End-Fed Half Wave wire antennas
June	Field Day	Prepare and organize for Field Day 2024 - June 22-23
July	Old Radio Night - Ice Cream	Bring your old radio gear to our annual show and tell meeting.
August	Logging - QRZ, eQSL, LOTW - Awards	Come learn about setting up logging software, LOTW, and applying for awards.
September	Picnic	Date TBA



David WB6DJJ with the first prize raffle drawing. Hope to hear you on the air soon!



FARC– New Members! 2024 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.

Ham Radio Extra Class Forming Now!

Fresno Amateur Radio Club will be holding a 8 week course where you can learn everything you need to earn your Extra Class FCC **Amateur Radio License**.

Expand your Amateur Radio knowledge and privileges. Start working the World while operating the HF bands and using the rights and esteem earned as an Extra Class Amateur.

**Classes begin on
March 12 at 6:00 PM
Peoples Church 7172 N Cedar Ave
(corner of Cedar and Fir) Jackie Johnson Room**

*Test Session conducted by CARP on last session April 30.
Registration for class is required.*

To register, contact:
Ken Holden WA6OIB
559-289-2891 or ken9@pipeline.com

Map of the Peoples Church showing the room for the Extra Class.

KARM Antenna Work

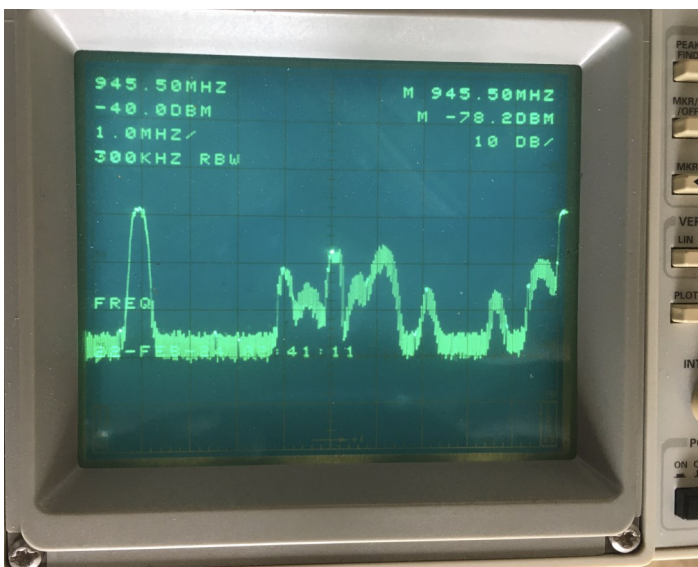
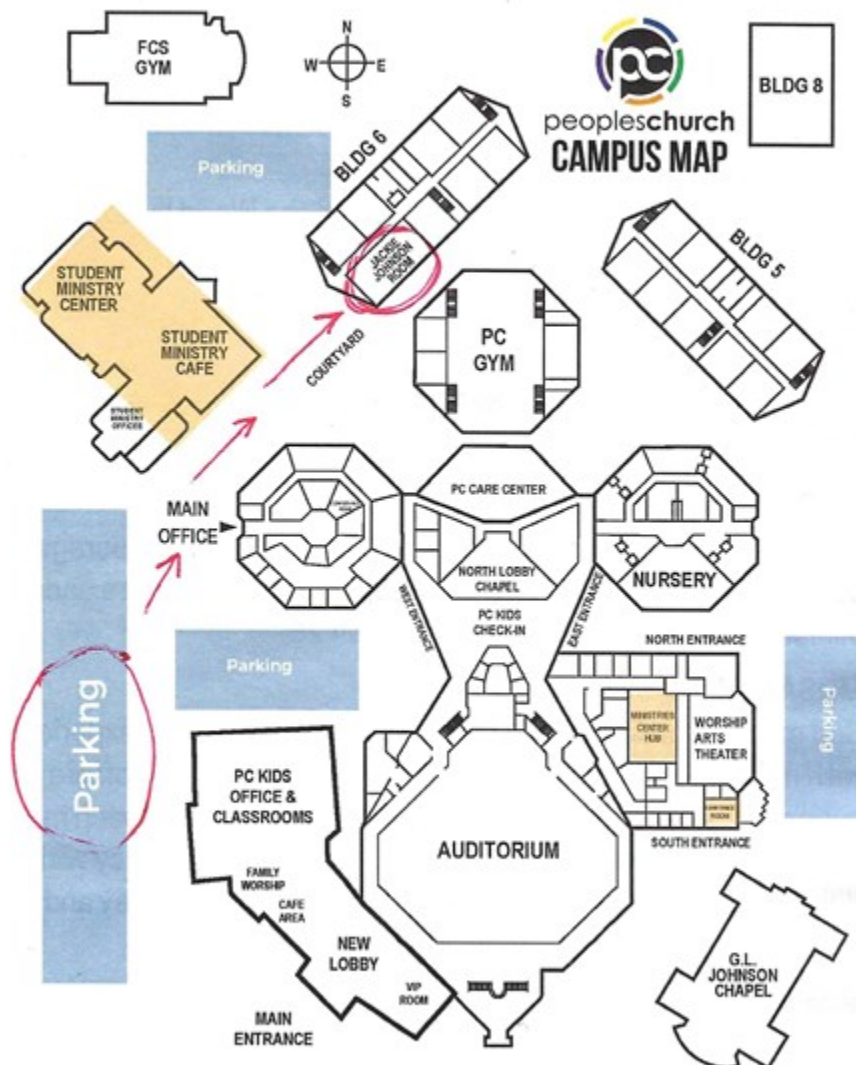
From Ken WA6OIB

Attached...in order...are the pixs of the KARM STL fiasco that Matt and I were confronted with the last 2 weeks. The spectrum analyzer shows the receive level at the transmitter to be -78dBm...The calculated level should be -49dBm!! Huge loss somewhere and after 2 days of checking both studio and transmitter equipment we were satisfied all the equipment and antenna systems met desired specifications.

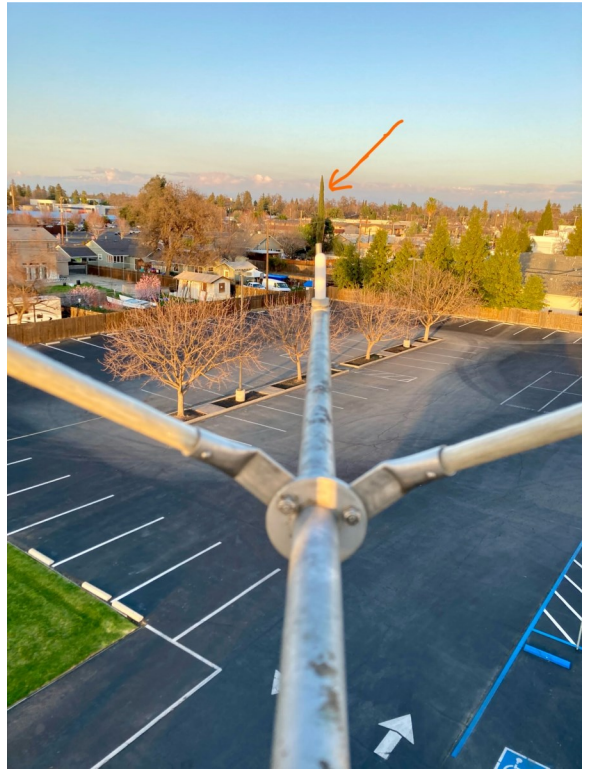
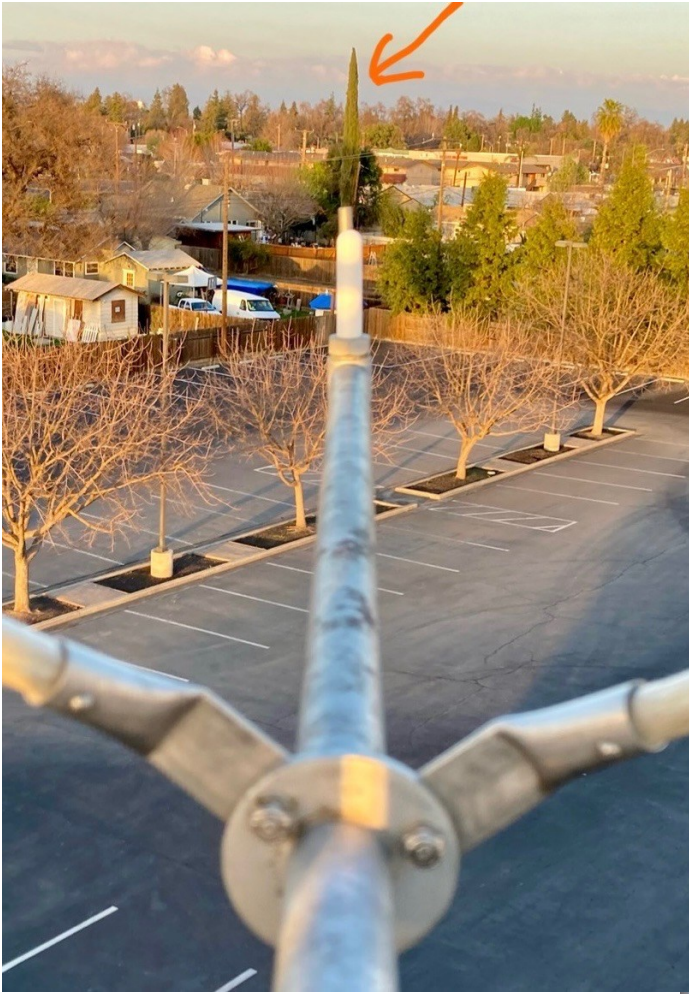
Finally when Matt (KB6ORX) went up the studio tower and sighted down the dish's focal feed, the problem became evident as the pictures show! The huge juniper tree is an evergreen so it is full of oils all year and as it grew up it has been absorbing more and more of the STL's 945.5 Mhz energy before it gets to the transmitter site!! We have seen this problem before but this case was difficult to find as it crept up slowly to devour our STL signal...

The tree was successfully removed as it was also dying and ugly at the bottom so the owners welcomed our arborist to clear the STL path...This lesson teaches us not to try to fool Mother Nature...She always has the last word.

Pictures on the next page!



Fresno Amateur Radio Club



Fresno Amateur Radio Club

FARC SUNDAY NET SCRIPT

QST, QST, QST, this is amateur radio station _____, my name is _____ and I'll be the net control station for the Fresno Amateur Radio Club SUNDAY NIGHT net.

The Fresno Amateur Radio Club is affiliated with the ARRL.

Before I continue, is there any emergency traffic?

This net is held on the W6TO repeaters every Sunday for Fresno Amateur Radio Club members and guests. It provides news and information as a supplement to our regular club meetings.

The frequency for this net is 146.94 Mhz with a negative offset and a PL of 141.3 Hz. If this repeater is down, we will use 146.61 Mhz with a negative offset and a PL of 141.3 Hz.

The Fresno Amateur Radio Club meets the second Friday of each month. You are invited to attend the meetings at the Derrel's Mini Storage Training Center at 3239 W. Ashlan Ave. in Fresno at 7:00 p.m.

If the meeting location and date are changed the information will be announced on this net and in SKIP. Remember to visit our web site at W6TO.com

This is a directed net please transmit only when requested by net control.
Are there any FARC member stations needing an early check-in, Mobile or Limited Power ?

President's report, WA6OIB, Ken
Vice-President's report K6USY, Aaron

Are there any other board member with reports or announcements?
Are their representatives of other area radio clubs who have announcements?

The official FARC member roll call is coming up. When called, please list any traffic or "for sale or want" items you have for the net.

Visitors will be invited to check in following the FARC member roll call. (Roll Call)

That's the roll call as I have it. Are there any late or missed FARC members?
Are there any visiting stations wishing to check into the FARC net?

As a service to Valley Amateurs, this net continues with the "for sale and want" section. Please limit your items to amateur radio related equipment.

(Pre-listings first) or (We have no pre-listings)

Are there any stations with something to list?

Hearing none, this concludes this session of the Fresno Amateur Radio Club net.
This net meets every Sunday at 19:00 local time.

Monitor the other FARC net on this repeater which is the Daily Morning Commute Net, with Ben WB6GBS, Monday thru Friday from 7:30 to 8:00 AM.

Remember to attend the regular FARC club meetings the second Friday of every month at the Derrel's mini storage on West Ashlan Ave.

This is net control station _____ thanking you for taking part in tonight's net. The repeater is once again available for regular amateur radio use.

Revised 02-05-24

Net manager Duane KI6QEL

FARC BOARD OF DIRECTORS

FARC Officers and Board members:

Ken Holden, WA6OIB Pres.	wa6oib@w6to.com	(559) 289-2891	12/2024
Aaron Lusk K6USY V.P.	k6usy@w6to.com	(559) 905-4180	12/2025
Marcus Beedle KG6QNY Treas.	kg6qny@w6to.com	(559) 360-7444	12/2024
Jim Erbe, W6NIF Sec.	w6nif@w6to.com	(559) 903-2200	12/2024
Larry Lion, W6OWL	w6owl@w6to.com	(559) 227-5159	12/2024
Dennis Holloway, KI6NVG	ki6nvg@w6to.com	(559) 323-7386	12/2025
Rob Egan, KM6SRR	km6srr@w6to.com	(559) 281-4730	12/2025

Web master Aaron Lusk, K6USY k6usy@w6to.com (559) 905-4180
Duane KI6QEL FARC Net Manager
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 to send your ads to K6MI at pacbell.net

March 8 Meeting 7 P.M.

April 12 Meeting 7 P.M.

May 10 Meeting 7 P.M.

June 14 Meeting 7 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 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 alternate frequency of 7265 kHz for both nets.

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

**Backup FARC repeater if 146.94 is down—
146.61 pl 141.3**

Future ham exams are May 18, August 17. and Nov 16.

Exams are held at Hines Hospice on Shaw Ave

Fresno Amateur Radio Club

Local Amateur Radio Repeaters

<i>Organization</i>	<i>Call Sign</i>	<i>Frequency</i>	<i>Offset</i>	<i>PL</i>
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	-	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	KJ6OUG	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

3/03 Charles W6DPD
 3/26 Paul W6VPS
 3/27 Mike KN6FXR
 3/31 Pat W6YEP

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!

The drawing for \$10 at the Feb. meeting was won by Stan, who was not present.
 Next month \$20.



Anniversaries

3/10 Hal KN6WEH
 3/30 Sharon KF6IMF & John KF6KCZ



Fresno Amateur Radio Club

QCWA Quarter Century Wireless Association
Next meeting March 26, 2024 at noon
at Jeb's Blueberry Hill Café
3951 N. Blackstone Ave., Fresno, CA 93726



QCWA meetings on Monday nights at 7 P.M. on the QCWA repeater,
146.85, pl 141.3

Tube of the Month

B

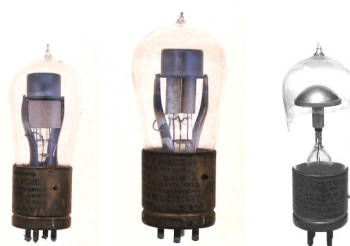
In 1921, the American Radio and Research Corporation (AMRAD), developed a cold cathode, half wave rectifier called the "S" tube for use in low power electrical devices. The next year, a former AMRAD employee named Charles Smith came up with a way to make home refrigerators. He was approached by a WWI veteran named Laurence Marshall who was an engineer and was interested in starting a company to make the refrigerators with Smith. Their new business became the American Appliance Company. Before any refrigerators were made, they realized that they should switch over to products in the hot radio/communications industry. Smith was familiar with the S tube, so they successfully acquired the rights to it from AMRAD.

In 1925, the helium filled, full wave, B rectifier was announced. Business was good but another company claimed that they had the rights to the name American Appliance Company. After only a month in production, they had to change the name on the tubes and adopted "Raytheon MFG Company". The first B tubes were marked "Raytheon" following the popular trend to have catchy trade names like pliotron or kenotron. Raytheon caught on and the newly re-branded tubes were standard in many receiver AC power supplies. The B rectifier operated at voltages as high as 350 volts at 60 ma and was often referred to as the B-60. To compete with the new RCA rectifiers, the B was replaced by the BH rectifier that would handle 85 ma and was less costly to produce. It looked like a mushroom as seen in the third example.

Within two years of the first sale of the B tube, RCA decided to change the rules for radio makers and required only RCA tubes were to be used. Raytheon was about out of business and had to ally with Union Carbide to produce receiving tubes labeled Eveready-Raytheon and also bought Acme-Delta Co., a maker of transformers and other auto and power equipment. In WWII, Raytheon demonstrated their ability to mass produce magnetrons and became one of the largest military contractors.

The first example is a B tube with the American Appliance Company name. These were produced for about one month. The second example with slightly different construction is marked Raytheon MFG Company and was made in larger quantities. Early examples had only American Appliance Company printed on a paper label.

Visit the [museum at N6JV.com](http://museum.at.N6JV.com) Norm N6JV



California QSO Party

CA County	2023 Rareness Rank (1=rarest; 58=most common)	Callsigns Active in CQP 2023 (with more than 1 QSO made)	% of QSOs Made on <u>CW</u> by Top 10 QSO Callsigns in County	% of QSOs Made on <u>SSB</u> by Top 10 QSO Callsigns in County	% of Total QSOs Made in County by Top 10 QSO Callsigns	Type of Station
FRES	25	>10	64%	36%	-	-
		W6W (KA6AIL, N6VOH, N6PZK, K6PWE, +)	42%	58%	47%	Fixed
		K6F (AK7G op)	98%	2%	38%	Fixed
		KK6KSD	100%	0%	4%	Portable?
		KE6SHL	0%	100%	4%	Fixed
		K6AQL/M (K0DI op)	100%	0%	3%	Mobile
		W6OBB	0%	100%	2%	Portable?
		KB0DBI	0%	100%	1%	Fixed
		N6QQN	0%	100%	<1%	Fixed
		WA6FFJ	0%	100%	<1%	Fixed
		K6USY	0%	100%	<1%	Fixed

Fresno Amateur Radio Club

Future ham exams are May 18, August 17. and Nov 16..

Amateur Radio VE Exam - Fresno

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)
Exams offered for Technician, General, and Amateur Extra Class

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 ([FRN](#)) for all license transactions with the FCC. Examinees must [register in CORES](#) 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 [instructional video](#) 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 [must provide an email address](#) on all applications. When an email is provided, applicants will receive an official electronic copy of their licenses once granted (allow incoming email from authorizations@fcc.gov). 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.

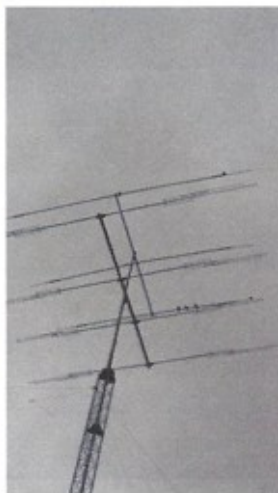
FCC Application Fee - The \$35 application fee applies to new, renewal, rule waiver, and modification applications that request a new vanity call sign. The fee is per application.

Administrative updates, such as a change of name, mailing or email address, and modification applications to upgrade an amateur radio licensee's operator class or to request a sequentially issued call sign, are exempt from fees.

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 [CORES](#) system

Ham Radio Equipment for Sale



Yaesu - FP-2000 Power Supply
Yaesu - DMU-2000D
Yaesu- FT-2000 F/50 MHz Transceiver

Tresco 35 Ft Crank Up Tower
KT34 (A) Upgrade to KT34M2

Cushcraft-A3Ws 12&17 Meter Beam

Me- 30M2 Beam

Kenwood TL-922A Linear Amp

Me-6M beam

Items were purchased new. Make offer for all items as a package.

Contact - Richard Smith / WD6FF
Madera County Amateur Radio Club
559-323-1114
richgff@sbcglobal.net

Fresno Amateur Radio Club



TELEWAVE, INC.
Wireless Communications Manufacturer since 1972

Designs & Manufactures
High-Quality Radio System Products for the
AMATEUR RADIO INDUSTRY

Transmitter Combiners • Antennas • Filters • Wattmeters • RF Power Monitors
Celloco • High-Q Cavities • Preamplifiers • IM Suppression • Receiver Multicouplers • Pres selectors
Duplexers • RF Loads & Terminations • Isolators • Wireless System Engineering

► Order Today! 800-331-3396 ◀

660 Giguere Court, San Jose, CA 95133
Email: sales@telewave.com • <http://www.telewave.com>

CMAS Contract # 3-06-58-0122B GSA Contract # GS-35F-0248J

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

For Sale: Yaesu FT-847
All mode--160m-10m+WARC, 6m,
2m, 70cm
\$700 OBO
contact: Richard (559) 285-9772
or rpolson47@gmail.com

Tnx/73 N6FUB



M² ANTENNA SYSTEMS, INC. Michael Staal
V.P. & Designer
K6MYC

- Antenna Design & Production from
DC to Microwave
- Machine Work & Manufacturing Services
- System setup & Installations

4402 N. Selland Ave. Fresno, CA 93722
559.432.8873 Fax 559.432.3059 website: www.m2inc.com

Looking for a manual for theHiGain Thunder Bird
Beam or parts and info on balun
Also want Yaesu microphone YE-17
Dennis KI6NVG 559 323-7386



ARRL Field Day
ARRL Field Day is the most
popular on-the-air event held
annually in the US and Canada.
On the fourth weekend of June,
more than 35,000 radio amateurs
gather with their clubs, groups or
simply with friends to operate from
remote locations.

ARRL FIELD DAY
2023
TUNE IN THE WORLD

2024 FD will be June
22-23

Always a good idea
to mark it on your
Calander!

Fresno Amateur Radio Club

Dues due in January!

Fresno Amateur Radio Club — Membership Application

Name _____ Call _____ \$20 Dues ___ Date _____

Street Address City State Zip _____

Home Phone (____) _____ Cell Phone (____) _____

Email ADR _____ (for delivery of Skip Newsletter)

License Class _____ Year 1st Licensed _____ ARRL member _____

Birthday (Month/Day) _____ Wedding Anniversary (Month/Day) _____

Partner's name _____

Additional licensed Family Member(s) in same household (\$5 each)

Name _____ Call _____ Birthday _____

Make checks out to: Fresno Amateur Radio Club, Inc. (Do not abbreviate)

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

