



**FARC Next Meeting  
Feb. 11 Friday at 7  
P.M.**

*Derrel's Mini Storage Inc.  
3239 W Ashlan Ave,  
Fresno, CA, 93722*

**FARC BOARD MEET-  
ING DATES**  
The 1st Tuesday 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

**Web page:**

W6to.com

Swap Meet  
Nov. 12 Sat.

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."

PREZ SEZ

30-Jan-22

Greetings to all! And if I have not said it to you yet, **HAPPY NEW YEAR**-even if it is the first of **FEBRUARY**- Almost there now.

With all the Holiday, it has been a bit tough to keep up with everything, but it looks like our Club is growing, and that is good.

I know it is early, but it is time to think about **FIELD DAY**.

Where will it be, who will participate, who will help with antennas and gear and such. I do have a programmable CW keying box which can have several programs set into it, for automatic reply and sending and such; I do not yet know how to do all that stuff, and we all need to learn. I am sure the SSB boys are getting their gear ready, as well as those specialists on FT8.

One nice thing is that the COVID disaster is seemingly slowing down. I know of several people who are medically unable to get their vaccination shots, but those who are able, should have them and the booster **NOW**.

It is time to think about volunteering to put on a program or obtaining a program to put on for our club meetings. Ken Holden, WA6OIB, is ready to help all and anyone in getting programs set up, so get to it lads and lassies.

And with the advent of this new year, let us all think about growth in ourselves, and in the club, and in activities.

So with those good wishes, I look forward to serving **ALL** the members of the club as your president.

73, Stu, WB6VRJ



From the January club meeting, A safe and small turn out spaced out in a large room, with a great presentation from Ken WA6OIB.

Prize drawings provided by Jim W6NIF, along with books from John K6MI.



I love my 3rd new computer! Works very nicely with FT8. Loads programs quickly. The laptop that was replaced always was slow, hung up at times, Keyboard had problems and so on. I used a VGA to HDMI cable to hook up to a small HP monitor that was Fay's, Jerry's wife. He gave me her computer, that's why he doesn't have a computer for QRZ, etc. So this uses only 15W of power. Jim W6NIF

QCWA meetings are on the air, and will be on the Monday preceding the fourth Tuesday of the month at 7 P.M. on the QWCA repeater, 146.85Mc. Everyone is invited to drop by. Membership in the local club is free, but national membership is required, as well as being a ham for 25 years or more. Guests are always welcome.



**FARC– New Members! 2020 members are already paid for 2021!**  
**Send your dues check to FARC, PO Box 5912, Fresno 93755-5912**  
**Board meeting on the first Tuesday of the month. Details from Stu, WB6VRJ**

## **Fresno Amateur Radio Club**



Jerry K6PKO on the right with Bob KK6LT at a recent breakfast at Sandy's on Thursday morning.

This is from the CHRS (California Historical Radio Society) mail list. This is a 674 page book that you can download for FREE in pdf format.

Here is a very complete contemporary treatment of the subject of wireless communications.

Enjoy.

Free Download:

<https://worldradiohistory.com/BOOKSHELF-ARH/History/History-Of-Wireless.pdf>

I encourage you to take a look on QRZ under my sons call W6DAH, not even six months a ham and he's lightyears ahead of me.

lots of awards, going like a bat out of hell on digital and

SSB. VERY restricted antenna only 30 feet up mostly barefoot with an automatic antenna tuner connected to his Icom 7300. (trap dipole fed by RG-58)

Hanford Zed in the shed – Allen WA6IPZ

Erwin Sawall, WB6RPD, who lived in Kerman then Grants Pass Oregon, passed away on January 7, 2022. He was 89. He was a member of the Fresno ARC in the 70s. I don't know the exact time he was in the club, This was in the Fresno Bee on Jan. 30, 2022. His ham license has expired some years ago.

### **Press Release: For Immediate Release**

#### **QSO Today Virtual Ham Expo March 12-13, 2022**

##### **Save The Date!**

Our next QSO Today Virtual Ham Expo will be held live from March 12-13, and then on-demand for 30 days afterwards. We promise an amazing learning and networking experience to help you improve your knowledge and get exposed to new ideas, equipment, and practical techniques. No need to travel - participate from your home or office! Information can be found at <https://www.qsotodayhamexpo.com>.

To FARC:

Cis is out of the hospital and transferred to a rehab hospital. She is over the virus but very weak so she should be in rehab for 3 weeks or so.

Me, I am doing well. Some radio, some making jewelry, just trying to keep busy.

Hope everyone in Fresno is doing well.

Bob W6AIY

## FARC BOARD OF DIRECTORS

### FARC Officers and Board members:

Stuart Home, WB6VRJ President	wb6vrj@w6to.com	(559) 485-8659	12/2023
Ken Holden, WA6OIB VP	wa6oib@w6to.com	(559) 323-6753	12/2022
Mike Chico KM6MRT Treas.	km6mrt@w6to.com	(559) 277-8918	12/2022
Jim Erbe, W6NIF Sec.	w6nif@w6to.com	(559) 222-7524	12/2022
Larry Lion, W6OWL	larrylion2@outlook.com	(559) 227-5159	12/2022
Dennis Holloway, KI6NVG	dki6nvg@hotmail.com	(559) 323-7386	12/2023
Rob Egan, KM6SRR	egan@netptc.net	559) 281-4730	12/2023

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Skip Editor John Morrice, K6MI k6mi@pacbell.net (559) 275-7373



You can download this and past Skip issues under the Document Archive menu by visiting [w6to.com](http://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

### **FARC Meeting 7 P.M. Feb. 11 Friday**

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

### **FARC Meeting 7 P.M. March 11 Friday**

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

### **FARC Meeting 7 P.M. April 8 Friday**

Western Public Service System (WPSS) meets nightly on 3952khz, roll—at 7:30 PM local Pacific Time.

### **FARC Meeting 7 P.M. May 13 Friday**

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

### **FARC Meeting 7 P.M. June 11 Friday**

### **FARC Meeting 7 P.M. July 8 Friday**

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.

### **FARC Picnic Sat. In August?**

### **FARC Meeting 7 P.M. Sept. 9 Friday**

**Sunday and Wed. Night 2m Bozo Net, 7:30 P.M. 144.24 Mc. USB**

### **FARC Meeting 7 P.M. Oct. 14 Friday**

**Monday 220 Mc. 7:30 P.M. USB 222.1 Mc**

### **FARC Swap Sat. Nov. 12**

**Tuesday 7:30 P.M. USB 1296.1 Mc.**

### **FARC Dinner Dec. 9 Friday**

**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**

### San Joaquin Valley Nets:

The Noontime net meets on 7.268.5 MHz. This net handles a lot of messages.

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-and he welcomes all hams regardless of CW speed-yeah-I have heard both really slow and one or two really fast. Then around 8 PM local, there is the USB net on 28.445 MHz.

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.

## Local Amateur Radio Repeaters

<u>Organization</u>	<u>Call Sign</u>	<u>Frequency</u>	<u>Offset</u>	<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	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
Meadow Lakes	WA6OIB	146.61	-	141.3
WA6IPZ	WA6IPZ	52.84	-	82.5

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.

### Birthdays

2/20 Jim W6NIF  
2/05 Jeff WA6IMA  
2/17 Mary KN6PRZ  
2/27 Richard N6FUB

### Anniversaries

2/06 Julie & Joe WA6FFJ  
2/26 Nora WA6BDE & Jim W6NIF

### The monthly attendance prize!

Ted won the January drawing. Not present.

Next drawing will be \$20, at the Feb. meeting.



**Tube Of The Month**

**80B**

The 80B is one of my favorite tubes in the museum collection. I am always looking for different tubes and occasionally I find one that I have no idea what its designation is, and with this tube, I had no clue except that it looked EIMAC. Experimental tubes were often not marked in any way and may have never had a number.

After several years, I discovered that the tube was an 80B. During a search of EIMAC production documents, a loose photo of this tube was found with the note "80B" written on the back. The photo was dated May, 1942. The next piece of data turned up in a search of EIMAC patent applications. The patent applications never have a tube number, but [2,368,812](#) from 30 June, 1942, showed the 80B.

From the patent, we can assume that the grid was made of platinum. The reason for the patent seems to be the unique shape of the plate. It looks like a finned football and was designed to efficiently dissipate the heat from its center. Anyone who has pushed an 811 too hard has seen the center of the plate melt.

Some years passed before the next time I found the 80B being mentioned. A document was produced by EIMAC when they were trying to defend to the U.S. Government, the amount of money they had devoted to research and development during WWII. They listed all the common production tubes with the quantities they produced along with the developmental tubes. The 80B was listed and showed a total production of 1. It is obvious why no one was familiar with the tube as the only one in existence was on my shelf. The football shaped plate was incorporated in EIMAC's very successful, high power RADAR tube, the [527](#). Too bad it isn't a stamp or coin as it would be worth a lot more than the \$5 I paid for it.

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



# Amateur Radio Exam Session Sanger, CA

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

### Dates & Times

February 26, 2022 at 9:30am.

May 21, 2022 at 9:30am **Location** American Legion Post 23 1502 O St. Sanger, CA 93657 ([Map](#))

### 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 the 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. Examination 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](mailto: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.

Hello ARES/RACES Members!

The following are my notes and plans for this year!

- Zoom Meetings: 2nd Wednesday of the month, 1800 to 1830 hours local PST. No agenda, more of a drop in and catch up sort of thing.
- Hospital AEC: Gary Greenburg, KI6OYW. We'll hopefully be coordinating more with all the local hospitals, and Gary will be attending the regular Hospital meetings.
- Public Information Officer - AEC: I am recruiting, and at least two of you have expressed some interest, so I need to hear from you this month, if at all possible!
- Administrative AEC: I have one person in mind, but they are new to amateur radio, and I will gladly entertain someone who has strong organizational skills to aid me!
- Spring Simulated Emergency Test (SET): I want to try and coordinate this with the animal shelter communications assessments, but if we cannot, then a March or April SET will be planned.
- Digital Training: As part of our ongoing training efforts, even if you do not have digital capabilities, I want to introduce some familiarization training, specifically with WinLink, and FLDigi.
- National Weather Service Communications Plan: Admittedly, this is taking me longer to produce, but I move forward with it at the pace I can. Ideally, it will be done in April, 2022.
- Central California Animal Disaster Team/Shelter Communications Plan: Working on having this completed by the end of March, 2022.
- o March 12 and 13: 1.5 Hour long communications training to the CCADT staff, at the Madera Fairgrounds.
- Net Control Scheduler: Looking for someone to coordinate the weekly Net Controller schedule! Please volunteer!
- Administrative Objectives:
  - RACES/Fresno County brought back together for updating our status, and to obtain RACES cards.
  - Review and revise (as needed) our Mutual Aid Communicator (MAC) training program.
  - We all need to work on recruiting, whenever possible!

Respectfully, Chris

## ARLB002 New Technician Question Pool Released, Effective July 1, 2022

The National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee (QPC) has released the 2022 – 2026 Technician Class FCC Element 2 NCVEC Question Pool Syllabus & Question Pool into the public domain. It's available as a Word document or PDF. The three graphics required for the new Technician

question pool are available within the documents, or separately as PDF or JPG files.

The new pool incorporates some significant changes compared to the 2018 - 2022 pool. Its 257 questions were modified slightly to improve wording or to replace distractors; 51 new questions were generated, and 62 questions were eliminated. This resulted in a reduction of 11 questions, bringing the total number of questions in the pool from 423 to 412. The difficulty level of the questions is now more balanced, and the techniques and practices addressed have been updated.

The new 2022 - 2026 question pool is effective July 1, 2022 – June 30, 2026, and must be used for Technician-class license exams administered on or after July 1, 2022.

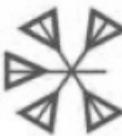


On the left, on John K6MI's workbench, is the beginnings of two transceivers for 122g. The parts need to be soldered into the PC board, holes drilled into the chassis box, and wiring from the battery and IF radio to the controls.

The hope is that these can be used for the VHF and 220 mc. and up contests.

The next VHF contest is the second weekend in June, just two weeks ahead of FD.

**Fresno Amateur Radio Club**



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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!

**For Sale**

FT-2800 2m radio \$50  
Dentron Jr. Monitor Tuner  
878-0165 Dave KA6VTA

**For Sale** Kenwood HF radios - TS  
590D \$650.00, TS 570D \$550.00,  
Hustler RM-40 mag mount tri-  
band antenna \$50.00.. Contact  
Ted at 559-431-1441  
or [W6TLM@comcast.net](mailto:W6TLM@comcast.net)

TS-940 \$200 Craig 908-1166

Prizes from the FARC 2021 Dinner



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

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- 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](http://www.m2inc.com)

**For Sale**

Henry 2k linier amp, beautiful condition  
Bill, AA6S in Visalia. [aa6s@comcast.net](mailto:aa6s@comcast.net)

**Wanted**

I am looking for NOS audio tubes I.e. New old  
stock.

I am looking for: 6L6, 6E5, 6CA7, 12AX7,  
12AT7, 6BD6, 6BQ5, rect tubes: 5AR4, 5Z4  
Any help would be very much appreciated.  
Aram KD6STR

**For Sale**

LDG tuner \$120 Price reduced! WA6FFJ Joe,  
288-2202

**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 \_\_\_\_\_

Birthday (Month/Day) \_\_\_\_\_ Wedding Anniversary (Month/Day) \_\_\_\_\_

ARRL Member? \_\_\_\_\_

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

Spouse Name \_\_\_\_\_ Call \_\_\_\_\_

Son/Daughter Name \_\_\_\_\_

**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

