



A Fresno Amateur Radio Club Newsletter May, 2021 Volume 84, Issue 5



2021 membership dues:

The board has voted that any paid up 2020 member will be considered paid also for 2021, as our expenses have been lighter during this pandemic time.

The Fresno ARC would also encourage new members to fill out the form on the last page of any Skip. New members are at last year's rate.

FARC General Meeting On the Air
Second Friday at 7 P.M. on the W6TO repeaters

FARC BOARD MEETING 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

Join us on the second Friday of the month for an on the air meeting at 7 P.M.!

May 14, Friday night at 7 P.M. An in person meeting at the Derrell's Office on Ashlan Ave. near Marks (on the S. side). This was the location of the last meeting that we had in March of 2020. Please be current with Covid advice for small groups.



Ken, WA6OIB will present a video program, and future FARC activities will be unveiled.

This location was the former channel 21 building.

In Jan. we had pictures of "Straight Key Night" in Skip, and that was the short topic for the January FARC on-the-air meeting.

At the Feb. meeting the program (Greg KM6G-SO) was delayed, and was presented at the March meeting. Instead the Feb. meeting was a discussion of the California QSO Party results, and Greg's program was given in March.

The April meeting program was Brian KM6ZX's discussion on end fed dipoles, which relates to his article in Skip.

Our May meeting will be videos presented by Ken, WA6OIB.

Tune in on the W6TO repeaters both for the monthly meeting and the regular Sunday night nets!

FD is coming, and plans are being developed!

QCWA meetings are on the fourth Monday 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.



THE PREZ SEZ:

With the reduction of COVID cases in some areas, and the reduction of necessity of wearing a mask for those who have had their vaccinations, as well as the increased availability of vaccinations, it looks like we can get out more, fraternize in person more, and even talk on the radio without the muffled sound of a mask. Three Cheers!!

Of course, CW operators are un-affected by the Covid threat, and they are now special people.

It is certainly nice to see that we will soon be meeting in person again-that is welcome news. Yes, I do encourage all to attend in person. While the on-the-air club meetings have been attended, I am sure the in-person attendance will be even greater.

So, with this missive, I urge all to get out, get around, and GET ON THE AIR!!

73

WB6VRJ

W. STUART HOME



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

**Amateur Radio Exams in Fresno, CA
Exams offered for Technician, General and Amateur Extra Class**

Exams for all Amateur license classes will be conducted in Fresno, CA on Saturday July 17, 2021 at 9:30am. There are a limited number of seats to comply with local and state COVID-19 social distancing guidelines; this session will be by appointment only.

Date & Time July 17, 2021 at 9:30am.

Location Hinds Hospice 2490 W Shaw Ave, Fresno, CA 93711

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. Original and 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.

FRN Info - Exam Candidates you are REQUIRED to register in the FCC CORES system and receive a FCC Registration Number (FRN) BEFORE exam day.

Candidates may go directly to the FCC CORES User Account and Registration page: <https://apps.fcc.gov/cores/userLogin.do>

Email address - Exam Candidates you are REQUIRED to provide a valid email address on your application or it will be rejected. If you do not have an email address, the FCC suggests that you use a relative or friends address.

Signup <https://k6arp.org/julytest>

Contact Rob Mavis AE6GE ae6ge@k6arp.org 559-272-6791

K6F



Special Event Call sign for Amateur Radio in Public Parks Kings County Ca. (KCPOTA) Operating from various parks in Kings County to promote amateur radio fun and demonstrate portable operations to our community.

Band / Frequencies

20M	14.228 + or - 10 (Phone)
40M	7.220 + or - 10 (Phone)
75/80M	3.790 or 3.815 + or - 10 (Phone)
2M	146.520 FM or 144.210 USB (Phone)

Hosted by Fred, **K6ELK and Amateur Radio Friends & Families**
1 June 2021 -15 June2021

Annual Armed Forces Day Cross-Band Test Set for May 7 - 8

The US Department of Defense will host this year's Armed Forces Day (AFD) Cross Band Test, Friday and Saturday, May 7-8, in recognition of Armed Forces Day on May 15. The event is open to all radio amateurs. For more than 50 years, military and amateur stations have taken part in this exercise, designed to include amateur radio and government radio operators alike.

The AFD Cross-Band Test is a unique opportunity to test two-way communications between military and amateur radio stations, as authorized under FCC Part 97 rules. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise in which military stations will transmit on selected military frequencies and will announce the specific amateur radio frequencies being monitored.

The schedule of military/government stations taking part in the Armed Forces Day Cross-Band Test and information on the AFD message is available on the MARS website at, <http://www.dodmars.org/home/armed-forces-day-2021>.

Complete the request form to obtain a QSL card at, <http://www.usarmymars.org/events>.

FCC Auto-Registration Feature for Exam Applicants to be Discontinued

Auto-registration in the FCC Commission Registration System (CORES) amateur radio exam for candidates using a Social Security number will be discontinued on May 20, 2021. 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. Starting on May 20, electronic batch filed applications that do not include a candidate's FRN will be rejected. The Social Security/Licensee ID Field will be disabled.

The CORES website can be accessed at: <https://apps.fcc.gov/cores/userLogin.do>.

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.

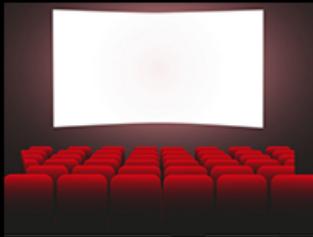
The instructional video can be found at, <https://www.fcc.gov/rofrn>.

After June 29, 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 on or after June 29, applications will be rejected. ARRL VEC suggests that those without access to email to use the email address of a family member or friend.

Further information about providing an email address can be found at,

<http://www.arrl.org/news/fcc-to-require-email-address-on-applications-starting-on-june-29-2021>

Licensees need to log in to the Universal Licensing System (ULS) to download their authorizations. The FCC no longer issues paper copies.



72nd International DX Convention
May 15-16, 2021
Virtual Meeting



Look on the internet to sign up for the free DX Convention meeting.

Jerry K6PKO, Pat W6YEP after Jerry and Allen, WA6IPZ drug a 200 pound 27 foot long slot antenna up on the ham building #1 on Bear Mt.



Pat provided supervision (sort of) and pushed the hand truck.

The antenna will be used for a future beacon on the 432 Mc. Band

Greetings all! WA6FFJ report!

I've been in contact with Joe's wife, Julie, and she advised the surgery to repair Joe's aneurism and heart valve went well!

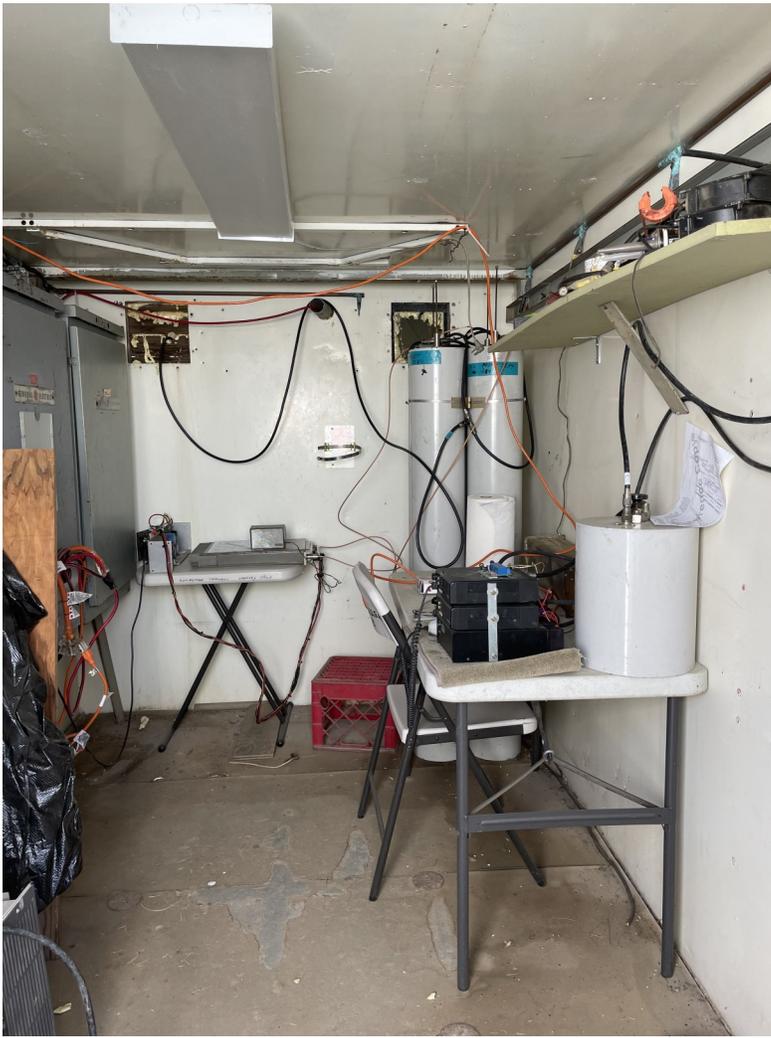
He is alert, talking, and making jokes, but extremely tired. He said he feels like a truck hit him. His ICU nurses said he is doing great. Julie is pretty tired and will sleep well tonight!

Keep him in your thoughts and prayers.

I'll let you know if I find out anything else.

Duane KI6QEL

Fresno Amateur Radio Club



The 52.84 Mc. 6M repeater WA6IPZ Allen sends these pictures.

1. From door into building, 6 meter repeater on rear table and duplexer to the right (almost six feet tall and heavy!)
2. Close up of Telewave Duplexer, pass-reject design with 95 DB of isolation at 500 KHz split.

Located at Bear Mt., due East of Fresno at around 3K feet.

PL needed both on receive and transmit. 82.5

Photo of 6 meter phased DB-212 folded dipoles on 20 foot tower with ten foot extension out of top
6 meter GE MASTR II repeater with 40 watts out into duplexer



FARC BOARD OF DIRECTORS

FARC Officers and Board members:

Stuart Home, WB6VRJ President	wb6vrj@w6to.com	(559) 485-8659	12/2021
Ken Holden, WA6OIB VP	wa6oib@w6to.com	(559) 323-6753	12/2022
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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.

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

Event-Date

May 14 Friday 7 P.M. FARC meeting

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

June 11 FARC meeting 7 P.M. Friday TBD

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

June 12-13 VHF Contest

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.

June 26-27 FD

July 9 FARC meeting ?

Sunday and Wed. Night 2m Bozo Net, 8 P.M. 144.24 Mc. USB

August 21 Sat. Picnic?

Monday 220 Mc. 8 P.M. USB 222.1 Mc

San Joaquin Valley Nets:

Tuesday 8 P.M. USB 1296.1 Mc.

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

Thursday 8 P.M. 432.1 SSB net

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

Wednesday 7 P.M. 10M cw net, 28.140

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

Wednesday 8 P.M. 10M ssb net 28.445

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.



Fresno Amateur Radio Club

Local Amateur Radio Repeaters

<u>Organization</u>	<u>Call Sign</u>	<u>Frequency</u>	<u>Offset</u>	<u>PL</u>
CARP	K6ARP	147.675	-	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

**05/16 John KJ6HBF
05/24 Ron KN6KVV**

Anniversaries

**05/05 Mary & David KA6VTA
05/12 Craig W6CMR
05/27 Gary KM6CVB**

The monthly attendance prize! Suspended until we meet again.

The attendance prize in March. was won by Elijah, who was not present. Must be present to win. Next drawing will be \$20, when meetings resume.



THE DX CORNER

By Charles McConnell W6DPD

May 2021

Many DXpeditions are being postponed or rescheduled due to Covid-19 travel restrictions.

"DX is the one you want but you don't have. That is the way it has always been, that is the way it will always be."

Of the most recent DXpeditions, "If you worked it, it was the best DXpedition ever. If you missed it, it was probably not so good." "And so it goes."

All things are relative, some more than others. Thanks Hugh Cassidy, WA6AUD SK.

If you want help with DX, you can contact the local members of the Central California DX Club for some assistance. Charles W6DPD 431-2038, or Perry K6XJ 299-2802, can give you advice. The big thing about finding DX is to tune the bands.

The DX Breakfast is currently not meeting due to Covid restrictions

Check out www.spaceweather.com and www.solarham.net for information on the solar cycle. The higher the solar flux and the lower the A and K Indices, the better the band conditions. As the solar cycle heads toward the minimum by the end of the decade, working DX becomes more of a challenge. The high bands become less useful until the solar cycle heads toward the maximum, some years from now. There were over 100 sunspot free days in 2017

The address of the Sixth District QSL Bureau is P. O. Box 970, Fairfax CA 94978-0970. You can send up to 10 address labels and \$0.80 for each envelope to the address above. They will put 1 unit of First Class postage on the envelope. You can contribute \$10 or \$20 online using Paypal. If you work DX, you should have envelopes at the bureau so you can get your cards. You may be able to check your status at the bureau at <http://www.qslbureau.org/>

The ARRL Outgoing QSL Service has **rolled back the rates** to those of 2011. The rate is \$2 for up to 10 cards, \$3 for 11 to 20 cards in one envelope, and \$0.75 per ounce for 21 or more cards. There is no longer a transaction fee. These changes began May 15, 2019.

Overseas postage is still \$1.15 per ounce. Domestic postage is \$0.55 for 1 ounce. Additional ounce for domestic mail will go from \$0.21 to \$0.15. Postcards stay \$0.35. Postage for flat rate boxes and envelopes will increase.

If you don't get a DX Bulletin and you belong to ARRL, you should register on the members only web page and check the box for the ARRL DX Bulletin. This one is emailed each Thursday.

Or you can go to the ARRL web page in the News/ Bulletin section and view the bulletins there. You can also read the OPDX Bulletin or the 425 DX Bulletin on the web.

Search OPDX Bulletin or 425 DX Bulletin to get the URL. You can subscribe to the Daily DX, or Weekly DX. These bulletins will keep you informed of DX operations and QSL information.

Scientists writing in NATURE magazine are predicting a Grand Solar Minimum beginning in 2020 are lasting for 3 solar cycles. Hopefully, they are wrong.

NOAA Scientists predict the Cycle 25 peak will occur in July 2025 plus or minus 8 months.

Fresno Amateur Radio Club

Continued from the last page

The following operations are scheduled:

Sudan **ST2NH** is learning FT8 and is active

Ethiopia **ET3AA** Now

Uganda **5X1JT** now until 2022

Djibouti **J28PJ** ending June 2021

Ascension Island **ZD8AC** now for 2 years

Senegal **6W1SU** now for 2 to 3 years

Antarctica **VK0HZ** Davis Station for 1 year

Antarctica **8J1RL** January 2021 to February 2022

Antarctica **RI0ANT** Now through May 30, 2021

Niger **SUAIHM** May 10 to June 15, 2021

Somalia **60100** May to July 2021

Tonga **A35JP** end of May to October 2021

South Sudan **Z81C** now for at least a year

Chad **TT8SN** December 1, 2019 for 3 to 4 years

Ascension Island **ZD8HZ** Mid January to December 2021

Svalbard **JW5E** April 26, to May 9, 2021

Fernando de Noronha **PY0F** May to June 2021

Svalbard **JW/LB2PG** now through June 2021

Tanzania **5H1IP** September 20 to September 30, 2021

Seychelles **S79VU** September 30 to June 30, 2021

Guantanamo Bay **KG4MA** June 2020 to March 2021

St. Pierre and Miquelon **FP/KV1J** postponed to June-July 2021

St. Pierre and Miquelon **T05T** Postponed to August 8 to August 16, 2021

Swains Island **W8S** postponed due to travel restrictions. No date known.

Maldiv Islands **8Q7CQ** September 29 to October 13, 2021

Sable Island **CY0C** October 14 to October 28, 2022

Botswana **A25VR** April 28 to May 24, 2021

Christmas Island **VK9XX** May 7 to May 28, 2021

St. Kitts and Nevis **V47JA** June 12 to July 10, 2021

St. Eustatius **PJ5/W5JON** June 22 to June 28, 2021

St. Pierre and Miquelon **FP/KV1J** September 21 to October 5, 2021

Tanzania **5H1IP** September 22 to October 3, 2021

Balearic Islands **EA6/DF8DX** October 7 to October 13, 2021

Willis Island **VK9HR** November 3 to November 13, 2021

Bangladesh **S21DX** December 16 to December 26, 2021

Chesterfield Islands **TK/C** Postponed until 2021

Galapagos Islands **HC8** planned for 2021

New Zealand Sub Antarctic Islands **ZL9** 2021-2022

Bouvet Island **3Y0J** January 2023



Charles, W



Watch the DX Bulletins for up to date information. As the time for the operation is at hand, watch the DX Summit (www.newdxsummit.fi) for listings.

There are a number of state QSO parties each year. Check the contest corral in QST or the ARRL web page. State QSO parties are a good place to collect states for your Worked All States award. Good luck, tune the dial, and listen.

<https://youtu.be/I-OnQZJv35I> Why are antennas 50 ohms?

Restoring History, Bringing a Command Set Back to Life – By Corey Firman, KN6CUC

Not wanting to create a "How to restore a Command Set", here is my story of jumping into Amateur Radio and restoring history. To be honest and upfront, I do not have the electrical skills that many amateur radio enthusiast have, and I only have a very basic understanding operating radios. Like many of you have done, I am starting out slow, learning what I can, and experimenting. Granted, there is a lot of information on the internet with regards to theory and operations, but I like it the hard way, make mistakes, learn from them, and get shocked a few times in the process. Which brings me to my story.

As an owner of a 1943 U.S. Navy Willys MB Jeep, a member of the Military Vehicle Preservation Association, and an Active Duty Sailor, I am no stranger to seeing communications equipment. What started my interest with the idea of having my very own piece of radio equipment was when I went to a military vehicle meet and Craig Vonilten, brought his 1955 Willys M38A1 Jeep with fully operational comms equipment. At that moment, I thought, "it would be nice to have some radio equipment for display to the public, and, it would be even better if it was operational!"

So, after speaking with Craig, I realized that if I wanted to operate the equipment, I would need to get my amateur radio license. I start searching around and found the Tulare Amateur Radio Club and that they provided a testing site. Now I need to study, and remind you, I have zero experience with radios at this time. So, I studied for a couple weeks using ARRL study guides and went to take the test. Well, I passed, which was a relief, and earned my Technician license in June of 2019.

Now with a license, "let's get on air" I said to myself. So, the adventure started, and after doing a little research and viewing combat photos, I went looking for radio equipment. What I found, is that most equipment is way outside of my budget range, especially if it is operational. Granted, I am not part of a radio club or have an Elmer supporting me. I just did this cold turkey which looking back, was fun, but, I could have saved some time and money.



My shack, not too modern with exception of a VFH/UHF mobile unit in the center. Combination of equipment that I have collected (Hallicrafters receivers, a WWII tuning unit). The Command Sets are in the lower left corner in a test rack I built. The Navy test equipment is in the center right.

Fresno Amateur Radio Club

As I looked around, mainly on Ebay, I saw Jeep radios going for close to \$1,000. For some, it's no problem spending that much, but for me, I am the sole earner of income and it is Active Duty pay, which I am not getting rich. So, I had to look in the economy class of radios, which led me to the Command Sets.

Well, behold, during my search of photos from World War II, I found two interesting photos. One photo has Soldiers standing around a Jeep with a Sky Buddy receiver (At the time, I didn't know it was just a receiver), and the other photo, is a Jeep on a flight line with a stack of radios in the back with what looked like a scratch build radio rack. This radio stack was the Command Set.

So, with photographic proof, the adventure started and I was on the hunt through the summer. I found a working Sky Buddy for a nice price of \$150 and snatched it up. I probably paid more than what I should have, but I was happy with my find. And then, I found, for \$100, a stack of Command Set equipment. My first mistake was to buy the lot, which sucked me in. In all, I received three transmitters, four receivers, and some miscellaneous equipment. Granted, looking back at this purchase, I should have passed and asked for advice.

Now that I had a Sky Buddy and multiple pieces of equipment, it was time to start checking everything to see what worked and what didn't. The Sky Buddy worked perfect. Zero issues and she receives like a champ. Luckily, it was re-capped, and a safety ground installed. I read that these like to explode due to age since it is from the 1920s. Then it was on to the Command Sets.

Out of the stack of radios, or parts as they really were, only one transmitter was in perfect condition. And luck would have it, the frequency range for the SCR-274N transmitter was out of the Technician area of the amateur radio bands in the 4 to 6 MHz. The second transmitter, which is an ARC-5, USN model, was missing tubes, but could transmit within the 40 meter band if I could fix it. As with the last transmitter and all of the receivers, they were hacked to pieces with exception of a USN ARC-5 receiver.

So, more research was required on my part, and luckily, there is a plethora of resources for the Command Sets. After downloading manuals, schematics, and watching YouTube videos, I decided it was time to try my hand at restoring these radios with my limited expertise. The pile of parts were hacked many, many, many years ago. I had an uphill battle in front of me. One, what do I have; two, how do I power this equipment; and three, what modifications have been done prior (which was a lot!).

One of the "hacked" SCR-274N receivers. Missing a choke and coil unit. At least I had some spares to repair this one. The others were not as lucky as the housings were cut and wires missing throughout.

Box of Spare Parts that came with my purchase. Included coils, crystals, and connectors.



Fresno Amateur Radio Club

A power supply was my first task. Reading over the manuals, for the transmitter, I needed 500, 270, 200, and 28 VDC. For the receivers, I needed 200 and 28 VDC. Now I need to see what I had as far as tubes. Some receivers had 6 volt tubes, and some with 12 volt tubes. What a hodge podge. Some wiring was replaced, caps missing, resistors removed, you name it, it was missing. After taking an inventory of what I had, I figured I had the possibility of repairing two transmitters, and one receiver. My hope was to have them operational with little work.

To start with the power supply, I purchase two Dynamotors from an aircraft scrap yard. One large one which produced 500 VDC and a small one which fit correctly on the receiver. Then I built a power distribution for the large Dynamotor using different resistors to step down the voltage to different levels. Wiring everything to the back of the transmitters and receiver, I was able to power on two transmitters and one receiver with very little work. But it did take me four months to get this far in the project.

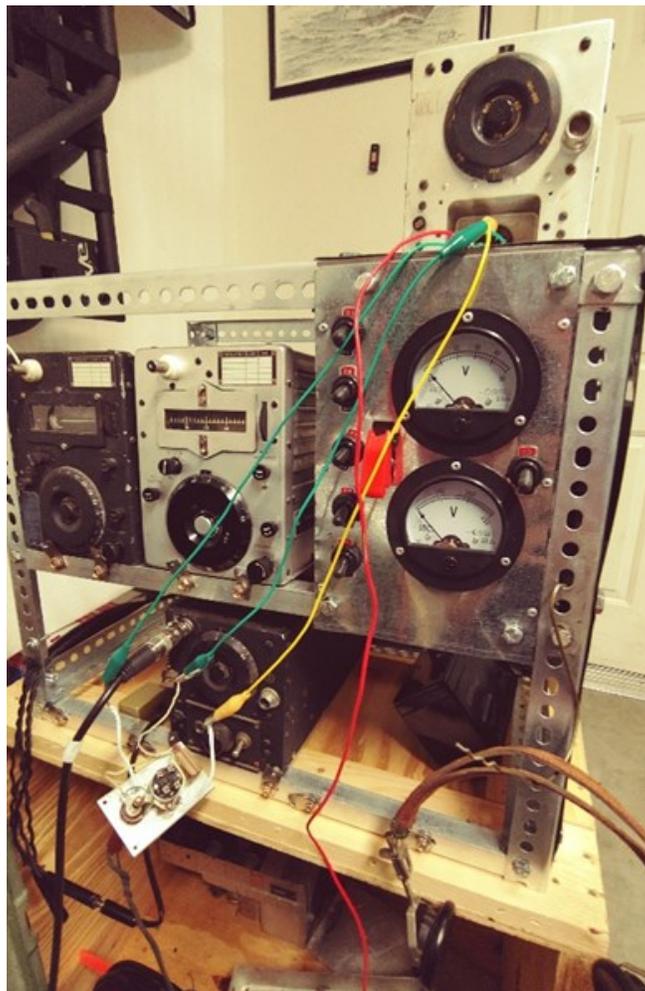
Since this was a restoration to an extent that I wanted everything to look as it did when installed as much as possible, but work was slow. I did have to accept that some modifications were required because I don't have an entire radio setup that would be found on a B-17 or PB4Y. I went with the field modification look that I saw in the combat photo. With only one receiver, one transmitter that I could actually use, and one which is a nice shelf ornament at the moment, I wanted repair the other two receivers, but I needed a lot of parts. And that is where the help of John Morrice, K6ML, came in.

During my search for parts, I figured I need to stop looking at Ebay due to prices, and start hitting an amateur radio swap meet. By now it was October going into November, and I found out that the Fresno Amateur Radio Club was having a swap meet. So I loaded up my five year old and went on a search for radio equipment. My intent was to find a frequency meter to test my transmitters, and maybe, parts for my Command Set. Being out of place because I didn't know anyone and being a newbie to the amateur radio, I didn't know what to expect.



Small dynamotor which fit perfectly on the back of my ARC-5 receiver.

Well, the first table I come to had a nice boat anchor, a Hallicrafter Super Skyrider, which perked my interest since I had a Sky Buddy and by now, a working Skyrider.



Homebuilt test rack. Dynamotors are hidden behind the voltage gauges. I have since dismantled the rack since I now have the radios operational.

Fresno Amateur Radio Club

The owner of the Skyrider and I started talking, and I told him that I was looking for parts to repair some Command Sets, that's when he directed me to John Morrice. I spoke with John regarding my project which perked his interest since not too many radio enthusiasts are looking for Command Sets anymore. John provided me with his contact information and said that he would look through his equipment to see if he had any radios left. I was excited to have a lead on some parts, and anything was appreciated.

After a couple weeks, John and I were able to meet up, and I had the grand tour of his operation. I could not be more impressed by his setup and the amount of gear he has. After the tour, John brought me to a stack of Command Sets and some US Navy testing equipment from WWII. With a handshake, a smile, and promise to provide a report on restoring some equipment, I left his operation with more than enough parts to get my equipment running and to have some spare parts if needed. As a note, the spare parts is very important. I have learned this from restoring two WWII vehicles and spares are a necessity.

Fast forward, it's been over a year and a half since I left John's house with the equipment. Military requirements and life stepped in the way, slowing down my restoration project. However, today, I have finally accomplished what I set out to do. I have restored two transmitters and three receivers to full operational capability thanks to John and the parts he provided.

I built a box which the Command Sets are now stored in so I can place them on display either in my Navy Radio Truck (a 1943 International M-2-4) or on a table using a battery setup. They have become part of my WWII equipment display for special events, parades, and school presentations. Best of all, I am learning Morse Code, and using the equipment for demonstrations.

The receivers work well, and I pick up the time signals in the evening. Haven't heard much traffic in the 80 Meter or 40 Meters bands, but, being in the valley and on a Naval Air Station, I am not able to have large antennas and I am limited to what I am able to do. As for the transmitters, they have a nice tone and it is interesting to see the "magic eye" and hearing the relay clicking when using a key. Besides, the hum of the dynamotors can't be beat.



For something that was produced almost 80 years ago and it still works, it can't be beat. If you hear me around 7.100 MHz, let me know. I am still waiting for that first contact. And I am still on the search for more equipment to show and teach younger generations our past.

73 to all! – Corey, KN6CUC

Operational Command Sets installed. I scratch built the large dynamotors mounts using parts from one of the hacked receivers I had. I have wired all three in a series with a single dipole antenna that I attach to the side of the box. This system is able to be plugged into 120 VAC when near a source or 28 VDC battery for portable operation.

Fresno Amateur Radio Club

This is my Zenith 12 tube A.M. Radio receiver model 12S265.

It has the green tuning eye and is a 3 band radio with the Motor Drive dial.

My dad bought it used in 1943 and he gave it to me in 1980. This is the radio that I first found out about Ham Radio.

In 1950 I poked a hole in the wall, ran a 300 foot wire antenna out to the barn and would tune in the 80 and 40 meter AM ham radio band.

Re Caped it in 2002 with some help and just did a clean up, getting rid of some QRN and it works very good. I still need to find a couple of knobs to replace one that was lost and one that was broken. **Bob, W6AIY**



From Brian, KM6ZX

For anyone interested in CW, W1AW offers regularly-scheduled morse code code practice and proficiency runs on most of the HF bands. During the code practice, text from QST magazine is sent out at various speeds. During the proficiency runs, text from an old book or newspaper article is sent. If you can 100% copy 60 seconds or more of the code sent during the proficiency runs, you can send it to W1AW and receive a certificate of proficiency. As you improve your skills, you can send in higher speed copy and get an endorsement sticker. So far, I have received a certificate for 20 words per minute and an endorsement for 25 words per minute. The W1AW operating schedule is found at: <http://www.arrl.org/w1aw-operating-schedule>.



For Sale From Bob, W6AIY

I am moving out of state and selling all of my Ham Radio equipment.

- Kenwood 590-S \$700 or best offer
 - Kenwood 480 sat \$300/obo
 - Alinco DR-235t mk111 (220) \$100/obo
 - Kenwood 281 2 meter with antenna - \$150. obo
 - Icom IC-260 144 hz with power suply. 10w.ssb,fm,cw \$50.00 obo
 - AT2K 2000 watt antenna tuner 160-6. \$300 obo
 - Cushcraft 220 ringo ranger \$50 obo
 - MFJ VHF/UHF 144,220,440 swr wattmeter model 862 \$25.obo
 - MFJ delux travel tuner m 904 \$25. obo
 - DENTON SWR 1A best offer
 - MC 60-A kenwood microphone \$25
 - Heil microphone Boom with mic holder \$25
- Call Bob W6AIY 559-275-4319

Fresno Amateur Radio Club

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!

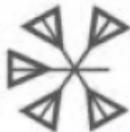
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Amateur radio licensees and candidates will have to provide the FCC with an email address on applications, effective sometime in mid-2021. If no email address is included, the FCC may dismiss the application as defective.....

Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address."

Ref: [ARRL News](#)

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For Sale:

From the NI6G estate, 40 meter (with wire sides for 30, 20, 15, & 10M) DX Engineering 30' tilt over vertical with radials. \$50. New— 500\$
Contact John, K6MI for details 559-275-7373, or email at k6mi@pacbell.net

For Sale

Henry 2k linier amp, beautiful condition
Bill, AA6S in Visalia. aa6s@comcast.net

Wanted

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

I am looking for: 6L6, 6x4, 6ca7, 12ax7, 12at7, 6x4, 6x5, 6x6, 6x8, 6x9, 6x10, 6x11, 6x12, 6x13, 6x14, 6x15, 6x16, 6x17, 6x18, 6x19, 6x20, 6x21, 6x22, 6x23, 6x24, 6x25, 6x26, 6x27, 6x28, 6x29, 6x30, 6x31, 6x32, 6x33, 6x34, 6x35, 6x36, 6x37, 6x38, 6x39, 6x40, 6x41, 6x42, 6x43, 6x44, 6x45, 6x46, 6x47, 6x48, 6x49, 6x50, 6x51, 6x52, 6x53, 6x54, 6x55, 6x56, 6x57, 6x58, 6x59, 6x60, 6x61, 6x62, 6x63, 6x64, 6x65, 6x66, 6x67, 6x68, 6x69, 6x70, 6x71, 6x72, 6x73, 6x74, 6x75, 6x76, 6x77, 6x78, 6x79, 6x80, 6x81, 6x82, 6x83, 6x84, 6x85, 6x86, 6x87, 6x88, 6x89, 6x90, 6x91, 6x92, 6x93, 6x94, 6x95, 6x96, 6x97, 6x98, 6x99, 6x100

If you can let the group know, I would appreciate it. I figure old timers may have this stuff.

Any help would be very much appreciated. Aram Kd6str

Fresno Amateur Radio Club

Only if you are a new member! All current 2020 members are good for 2021!

Fresno Amateur Radio Club (FARC) New Membership Application

Name _____ Call _____ \$20 Dues ___ Date _____

Street Address City State Zip _____

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ARRL Member? _____

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

Spouse Name _____ Call _____

Son/Daughter Name _____

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