W6ARA

PAARA NEWSLETTER VOLUME 74, NUMBER 6, June 2023 K6OTA

K6YQT

PAARAgraphs

The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

The Friendliest Club Around
Celebrating 86 years as an active amateur radio club—Since 1937
http://www.paara.org/

Locating Power Line Noise (and other RFI) Jeff Stupartis, W4DD

Radio Frequency Interference (RFI) can be generated from many different devices and can decrease or totally eliminate your ability to hear stations on your HF or VHF radio. In today's modern world of numerous electronic devices in and around our homes, it's not a matter of if you have RFI but how many devices are generating it and how significantly is it interfering with your Ham Radio receiving ability. It can also affect other services like AM radio, FM radio, Over-the -Air TV, DSL Internet, public safety communications, and even cellular telephones.

Jeff became interested in RFI about ten years ago when RFI affected his ability to enjoy ham radio for contesting, weak signal work, and rag chewing. In addition to providing information on locating RFI, he will also have a few pieces of hardware for show and tell.

Jeff is retired from a large cellular company where he worked in the Advanced Technology Group on spectrum issues including cellular spectrum optimization and FCC spectrum auctions. In addition to his 20 years in cellular, he also worked in Telephone Operations and Air Defense Communications. Jeff's background includes a EE, a MBA, and he is a licensed P.E. Additional information about Jeff can be found on his QRZ web page or page 13 of the August 2022 QST, Member Spotlight.

This meeting will be a Hybrid Meeting Zoom and In Person

Time: June 2, 2023 07:00 PM Pacific Time Please check https://www.paara.org for Zoom Details

Upcoming Events

June 2*** July 7 Aug 4	PAARA General Meeting, 7:00 PM *** Zoom and In Person Meeting
June 21 July 19 Aug 16	Board Meeting, 7:00 PM. Everyone welcome! Zoom Meeting, eMail President for details!

President's Corner

June 2023

Are you ready for Field Day on June 23rd - 25th? I hope to see everyone at our FD site located at, Bidwell Bayfront Park in Menlo Park. The park is located at the north end of Marsh Road. Follow the entrance road all the way to the sign at the



2nd gate that says "No autos past this point". Keep going and follow the "PAARA Field Day" signs. It will not be hard to find us once you get into the park.

We will have 2 HF stations on the air with our IBIG antennas and towers. Please go to our operating sign-up sheet at tinyurl.com/FieldDaySchedule to sign-up for an operating slot at one of the stations. We anticipate both stations will be configured to operate SSB, CW, or FT8. It will be up to the operator to decide which they want to work. If you don't want to operate the station but can type, you can volun-

(Pres — Continued on page 4)

Tall Redwood Tree and The Wire Antenna Mikko AB6RF

After all the wind storms we had this past winter, I had to do some maintenance on my HF wire antenna. The antenna stayed up, but the storms tangled it up the tree branches, and the antenna needed other general maintenance.

While I was working on the antenna, it brought up the memories of getting that antenna installed a few years ago. Enough time has passed since that debacle that I feel comfortable sharing the story.

Considering the very limited antenna options most of us have here in the Bay Area, I consider myself lucky, in my backyard, I have one very tall redwood tree that I can use as the main support point for wire antennas.

However, due to neighbors being very close, and the big tree being right against the back property line, I can't use a slingshot, bow & arrow, or a "potato gun" to shoot a line over the tree. Any projectile I'd shoot up from my backyard would inevitably land on a neighbor's roof, hit their car, or smash through their window.

The absolute only way to pull a full-size wire dipole up there is to climb up the tree and attach a pulley up there as a permanent support point.

But I've gotten old and stiff, so I can't climb a 100ft redwood anymore. And besides, my wife made it quite clear, she would not allow me to climb trees.

So, I decided to hire an arborist, or other skilled tree climber to climb about 60 feet up to the tree, and attach two pulleys up there and run a stainless steel wire rope through each pulley so I'd have convenient ways to pull up antennas at will.

To find someone to do the job for me, I placed an ad on Craigslist, describing the job, the height of the tree, and what I would need to get done. To my pleasant surprise, I got a lot of responses to my ad. I replied to every one of them, and after discussing the details, asked for a quote.

In total, I received more than ten guotes.

I ranked all the quotes based on my confidence in them being able to do the job well, but not charging a ridiculous amount for getting it done. The quotes ranged from a little over a hundred dollars to nearly one thousand.

I called my first choice, who sounded very professional, and was not cheap, but seemed like a really capable guy. Just like every single other offer, I agreed to pay his full asking price, with no haggling. You get it done; I pay what you're asking.

The problem is, he never showed up. Indeed, I ended up working through my list of offers, from top to bottom, and none of the people who promised to take the job ever showed up. I even started to call them earlier in the day we had agreed on, to call and check one last time "You're coming later today, right?"

And still, no one would come.

I was down to the last "contestant" on my list. The literal bottom of the barrel.

But to his credit, he did show up.

I'll try to paint you the picture. He drives up in an old, loud, lifted, pickup truck on 37" tires, with a cigarette hanging from his lips, and a rough-looking Pit Bull riding shotgun.

I thought "Oh boy..." but there was no turning back.

To my pleasant surprise, the dog didn't eat me for breakfast, I shook hands with the gentleman, and using my whiteboard, I explained in the most clear and simple terms possible, what would be the goal for the job. He said "Sounds good boss" and proceeded to pull his gear from the truck.

To my surprise, the gear did not include a hard hat. Or spike crampons. If you've ever seen how the arborists climb a tree, they essentially throw their climbing rope over one limb at a time and then use the rope to pull themselves up, while using the spikes to climb with their feet. The process is repeated one limb at a time until they get to the top. Once they get to the top, they now have the long climbing rope going over a limb at the top, and they can easily move up and down the tree.

It took quite a while for my guy to get to the agreed about 60ft level where he was to attach the pulleys and run the stainless-steel wires according to the plan we had discussed.

But once he got there, seemingly EVERYTHING we had discussed at the ground level, had been erased from his short-term memory. I kept yelling instructions from the ground, only to hear "Wait, what do you want me to do??" from the tree top (Oh boy, number two).

I had given him the steel ropes, stainless rope clamps, and the correct wrench for the clamps.

Things did not seem to be going well up in the tree when I noticed there were nuts and washers dropping down to the ground... (oh boy, number three).

At this point, I had pretty much lost all hope of him being able to do what I had wanted, but to my surprise, somehow, he attach both pulleys with the two stainless steel wires running through them. I have no idea how he did it with most of the required nuts lost.

With the job done, he started to descend from the tree top.

Now that he had the long climbing rope running over a limb all the way to the top, he was able to rappel quickly down the side of the tree, using the rope running through a carabiner to (barely) slow his descent.

And here comes the "oh boy, number four".

As I watched his rapid descent, somewhere about 20 to 25 feet above the ground, he ran out of rope. The end of the rope simply slipped through the carabiner, and his hands, and as a sack of potatoes, he fell to the

(Redwood Tree — Continued on page 3)

PAARAgraphs — June 2023 Celebrating 85 years as an active ham radio club—Since 1937

(Redwood Tree — Continued from page 2)

ground.

No slowing down, no trying to grab a limb here or there. Just a freefall from about 25ft to the ground. I was absolutely terrified, I thought he must be dead.

But he was lucky and didn't hit his head on the concrete bird bath or the St. Francis statue that I use as the rope and coax holder at the base of the tree. But he did hit the ground hard. I was quite relieved when he finally came about and got back on his feet. His only question was "What the f... happened?"

After I gave him some water and helped him doff his climbing harness, he started to limp back to his truck. The Pit Bull was there to greet him. By the truck, he immediately proceeded to light up another cigarette. After a few puffs decided he'd be OK to drive home.

The last hurdle (no pun intended) was that he was so badly hurt he couldn't get into his lifted tall truck. He simply couldn't lift his leg that high. So, he proceeded to climb into the cab head first, somehow maneuvered himself to the driver's seat, and drove away.

The pulleys are still up there.

First Field Day at Bedwell Bayfront Park Since 2019!

After a long hiatus, PAARA will once again be hosting the annual Field Day event at Bayfront Park, the site of many successful Field Days over the years.

With turnout and participation a little uncertain, we are easing back into the event with a Category 2A entry this year. That means 2 HF transmitters, running 500 watts each, under new rules this year. Unlike previous years, neither station will be dedicated to a particular operating mode, but both will be equipped for phone, CW and possibly even digital modes, so operators can choose their preferred mode.

We have always had a BIG signal, thanks to our excellent operating location on "Radio Ridge" with sloping terrain leading down to the western edge of the bay, giving us the additional boost of the "Salt Water Amp" effect. I can't wait to see how things work at 500 watts.

We're also hoping to have our usual excellent GOTA station where we can get folks on the air who may not have any HF experience of even a license. Our terrific GOTA Captain, Christopher, Al6KG, has a new job and an uncertain schedule. We're keeping our fingers crossed for him to be there with us, but if you or anyone you know might be interested in helping out at GOTA by coaching our inexperienced operators, please let me know.

Set up starts this year on Friday morning around 9:00 in the back corner of the park where we have traditionally established operations, with assembly of antennas, and getting them in the air.

We will be erecting 2 full-sized beam antennas this year, our 6-element KT-36XA tribander, which will be shared by both stations through Kristen's Hi-power tri-

plexer and filter setup. Thank you Kristen!

The tribander goes up on one of our AB-621 military masts, and the BIG 40 meter mono-bander will be on the tower trailer as always. We'll have an 80 Meter Dipole up for nighttime operations. Getting those up safely requires many hands, so please come out to help.

In addition to getting antennas up, we will need to run network cables, feed lines and power cables to the stations, both of which will be along the ridge where we have usually set up our two "A" stations in U-Haul box trucks.

We'll also set up the food and socializing area in the usual place at the fork of the road leading to the ridge. That entails setting up the big red canopy, anchoring it against the wind and dragging tables and chairs out of the box trailer and getting them set up.

And of course, at the end of the event on Sunday morning, we have to take it all down, pack it up and take it all off the Park. Many hands make light work of all of this, so please bring yours out to join the effort.

This year, we will start on Friday morning at 9:00 AM and work until we run out of daylight or things to do. Saturday morning starts at 9:00 again, making sure we have all the details handled and stations set up and tested. Operations begin at 11:00 and run for the next 24 hours straight.

We strive to keep both of our primary stations on the air for the entire 24 hours, so please pick a time slot and sign up to operate. Sign up sheets for operating positions and times are available on-line at tinyurl.com/ FieldDaySchedule.

As I write, there are NO signups. Lets see if we can't fill all of our open slots well in advance of the event. This is an opportunity to work the biggest operating event of the year from superb stations in an excellent location. Don't miss your chance to participate.

We also have two key positions as yet unfilled, A station Captain and food coordinator.

Our A station captain bowed out due to family considerations, so we're looking for someone to fill that position. It involves setting up the station in one of our rented box trucks, setting and connecting the radio, amp, logging computer and other accessories for comfortable operations.

Food coordination involves procuring ind dividing and repackaging sandwich ingredients for the usual make-it-yourself lunch on Friday and Saturday, as well as hot soup and hot dogs for Saturday night dinner for the troops. Jim, K6SV, who so ably performed this essential taks for many pasty Field Days can advise you on how much and wht to get, and how to best make it ready for consumption, so you don't have t make it up as you go.

Please give some thought to taking one of these important jobs to help our 2023 Field Day be a success.

For questions, or to volunteer to help, please contact me, Doug, KG6LWE by e-mail at dteter@wcwi.com.

(Pres — Continued from page 1) iteer to be the logger for an operator. The logger assists the operator by logging the contacts. This is a great way to get up to speed operon ating contest and on

ıHF.



Fig. 1 Bidwell Bayfront Park in Menlo Park.

There also is a GOTA (Get on the Air) station which anyone can operate with the assistance of a coach. This is a great time for the new ham to learn more about the hobby and see some large antennas at work. It's also a fun social event to chat with other members as well as other hams from the area. As in pre-COVID events, there will be food and drinks available.

If you arrive after the entrance gates are locked, you can reach us through the N6NFI repeater so we can come and unlock the gate.

Doug, KG6LWE, hosted two antenna work par-1 ties to get the antennas in working order. The first party was on May 13th. The team hoped to completely test the KT36XA antenna but it was I in rougher shape than anticipated. Thus, it took; all day to refurbish all the elements. The second: party was on May 20th. The XA was completely assembled and put in the air for final testing. It is required a few additional adjustments to get it: working properly. Next, our big 40M antenna! was started but not completed. A 3rd antenna party is scheduled for 5/27. Thanks go to Doug and all the members who have assisted in getting the aluminum fully operational. Doug is still i looking for volunteers on Friday, June 23rd to: assist in setting up the towers and antennas at! Bidwell Bayfront Park. We also need a 2nd sta-I tion captain and volunteer to cover providing the food for the event. Please contact Doug, KG6L-

WE, if you can assist in this effort or on Sunday, I June 25th to disassemble the antennas and towers. These are all important volunteer positions to fill so we can have a successful event.

On August 19th will be the PAARA tour of Hiller Air Museum. If you haven't been, it's a very interesting aviation museum that's right in our neck of the woods. The \$10 entrance fee will be the best money you could spend learning about the Bay Area's history of helicopters and other aircraft. You can learn about the museum at: https://www.hiller.org/. We also have the opportunity to have lunch at the Sky Kitchen Restaurant at the San Carlos Airport. The lunch is optional and not covered by the entrance fee to the museum. More information will be forthcoming as we get closer to the date.

The next event will be another PAARA in the Park event. Darryl, KI6LDM, filed for a permit to use the Memorial Park in Cupertino on September 30. We anticipate being granted a use permit. That said, please mark your calendars for another great day of socializing, getting on the air, and learning about ham radio.

Please join me in thanking Bob, KN6TGN, a new ham and member who has stepped up to bring coffee and treats to the meetings. He isn't able to make it to the June meeting due to a family event but will be at the July meeting. I'm still looking for another person to help Bob when he has a conflict so there is someone else to assist. Please let me know if you are that person.

How many of you remember or have heard of the White Alice Communications System? Constructed during the Cold War, the system consisted of 80 radio stations that used tropospheric scatter to communicate over the horizon to other stations and microwave relays for shorter line-of-site links. During the 50's next to no telephone communication existed between Alaska and the lower 48. The military needed a method of reliable communication between remote bases in Alaska, the early warning systems and defenses, and command posts in the lower 48.

Construction began in 1955 and was dedicated in 1958 with the name White Alice. It's fairly cer-lain that White refers to the snowy Arctic sites in the snowy Arctic sites in

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(Pres — Continued from page 4)

and Alice possibly is an acronym for Alaska Integrated Communication Enterprise. But then again, no one is certain that Alice didn't have another meaning. The site selection process; required that survey teams test the propagation: path by setting up communication towers at ! each remote site during winter months. Some sites were easily accessible, but most sites: were far from civilization on remote mountain! peaks requiring helicopters or dog sleds to reach them. The typical White Alice repeater: site was constructed with 4 tropospheric dishes, grouped in pairs of two dishes facing opposite; directions to receive and transmit information: from and to adjacent sites. Each site required 20 people to operate and maintain the site.

The system operated around 900MHz, and utilized both space diversity and frequency diversity, multiplexing a maximum of 132 simultaneous voice channels. The tropospheric hops used pairs of 60', using 10 kW transmitters, or 120', using 50 kW transmitters, parabolic billboardlike reflectors pointed at low angles to the horizon. The radio waves scattered by the tropopause returned to Earth beyond the horizon hundreds of miles away. Having two antennas on each path allowed for 2 paths on different operating frequencies increasing the likelihood:

that one of the paths would still function should conditions on the other deteriorate.

The military stopped using the system in 1970, replac-



Fig 2. White Alice Node

Ing it with satellite communications. However, the system was used by civilians into the late: '70s after which the majority of the system was decommissioned. The last tropospheric link, from Boswell Bay to Neklasson Lake, was used until January 1985. More information about this system can be found at: <a href="https://incharcollege.com/https://incharcol

White Alice Communications System.

A BIG thank you goes to Mikko for getting me a

story for this issue at the last minute! Hopefully, I'll get a story for the next issue between now and the next board meeting on June 21st as there currently isn't one.

I look forward to seeing a room full of smiling faces at the June 2nd meeting. It will be an IRL and Zoom meeting.

73, Jim K6SV

Get on the air to keep the airwaves alive!

May Board Meeting Minutes

Attending were President Jim Thielemann K6SV, Vice President Rob Fenn KC6TYD, Secretary Ric Hulett N6AJS, Directors Darryl Presley KI6LDM, Joel Wilhite KD6W, Doug Teter KG6LWE and Walt Gyger K6WGY

The meeting was called to order at 7:15 pm. A quorum was present.

President's Report — A big "Thank You" goes out to Doug KG6LWE, and the other members who participated in this year's first Field Day antenna party. We made good progress on the 6-element triband beam. (We have another antenna activity scheduled for Saturday May 20) We have no operators signed up to operate on Field Day. Club members should visit tinyurl.com/fielddayschedule to sign up for operating time and volunteer positions.

Doug will check with Christopher on his status as GOTA captain.

Secretary's Report — We continue to pick up new members. We currently have 151 members on the club rolls. Welcome to Alan, AK6AD and Margaret, K6WEK.

We have a membership roster on the membersonly section of the PAARA website. The Secretary will furnish updates to the webmaster. Ric will not be present in person for the June 2 PAARA meeting, but will Zoom in.

VP/Program Chair Report — Our next meeting is on June 2. Jeff Stupartis, W4DD will join us remotely to speak on: Locating Power Line Noise (and other RFI).

Old Business:

Members: We really need some ham-related articles for PAARAgraphs! There is currently nothing available for the June newsletter. Re-

(Minutes — Continued on page 6)

(Minutes — Continued from page 5)

member, it's member-written articles that make PAARAgraphs a unique club benefit. Please, send your articles to K6SV, our president and editor

Education Committee: The PAARA-in-the-park antenna project was a great success. We are working on a welcome postcard to send to new hams. Watch this space!

Accounting: Our accountant has the books up to date. We are close to having all of the requested reports to the California DOJ regarding the raffle filing. This is still a work in progress.

Radio Sales: We have not sold additional radios for the club, but at last month's meeting, we raised \$267 from component sales from an SK estate, and a hat.

Cubberley room reservations have been submitted for 2023 - 2024.

PAARAgraphs Advertising: Invoice E-mails are ready to go out to our advertisers.

Repeater Status: The internet packet dropouts on our repeater has been fixed, with a managed ethernet switch. Thanks to Mikko and Christopher for this.

We need to check all the references and links to other clubs on the contact page in PAAR-Agraphs. This is Ric's N6AJS, action item, no update this month

Field Day Progress: It's 6 weeks away! We need more volunteer help: Food coordinator, second station captain.

We have a second antenna day scheduled for 5/20.

T-shirts. Rob has identified a vendor, and we will have club T-shirts for Field Day this year.

Field Trip to Hiller Air Museum: This is scheduled for August 19th. Cost is \$10/person. We'll promote this to the members after Field Day.

Radio Loaner Program: New General/Extra hams, remember that we have some ham gear for loan. Contact Ric, M6AJS@arrl.net or Doug dteter@wcwi.com if you are interested.

PAARA in the park: This event was a success, and we have decided to hold another event on September 30. Mark your calendars! We have reserved the space at Cupertino Me-

morial Park.

Badges: Let's make sure members have their badges on during meetings. It helps new people when they drop into meetings and identify members.

Pacificon: Pacificon is 5 months away, October 20 to 22. Mikko AB6RF has again volunteered to coordinate the W1AW/6 station.

Meeting Refreshments: Bob KN6YGN has stepped up to handle refreshments at the monthly meetings. Thanks, Bob!

New Business

We discussed ways to share information and knowledge with other clubs. Clubs can help each other out with new ideas for member engagement, etc. We'll invite some other club boards to join in to our board meeting soon.

The meeting was adjourned at 8:36 pm.

Respectfully submitted Ric Hulett N6AJS PAARA Secretary

Silicon Power Rectifiers, Syntron Series 51 1N1664 Hi Reverse Voltage = 300 V,

High Forward Current =160 Amperes, Max Surge Current = 2,500 Ampers Stud mount, Data sheet available — ask Price negotiable, Contact W6APZ@arrl.net

Two: 4 Elements, Yagi Beam Antennas for Sale

50-54 MHz 6-Meter 4 Elements Beam Antenna.

Electrical Gain: 10.35 dBi (8.2 dBd)

Front-to-Back Ratio: 20-25 dB

Max Power Input to Antenna 500 W Avg., 1 kW PEP VSWR (at resonance): Less than 1.5:1, 50 ohms

144 - 148 MHz 2-Meter 4 Elements Beam Antenna.

Electrical Gain: 10.28 dBi Front-to-back Ratio: 19 dB Max Power to Antenna: 1,500 Watts

VSWR (at resonance): 1.2:1, 2:1 Bandwidth 4 MHz

Gamma Match

This antenna has been kept inside, except for EnComm drills

We are on the upswing of the sun-spot cycle, so this is your opportunity to get on VHF and make contacts.

Price negotiable, contact W6APZ@arrl.net

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

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President	Jim Thielemann, κ6sv thielem@pacbell.net	408-839-6815
	•	
Vice President	Rob Fenn, кс6түр kc6tyd@gmail.com	650-888-9060
Secretary	Ric Hulett, N6AJS N6AJS@arrl.net	408-332-4593
Treasurer	Bob Korte, kd6kyt bob@rgktechsales.cor	650-522-0110 n

	Directors	
Director ('23-'24)		408-839-5948
	kd6w@arrl.net	
Director ('22-'23)	.Walt Gyger, κ6wgγ	
	walt@tradewindsaviati	on.com
Director ('23)	Doug Teter, kg6LwE	650-743-7892
	dteter@wcwi.com	
Director ('23)	.Darryl Presley, кı6ьом	650 255-2454
	ki6ldm@arrl.net	

Appointed Positions

Appointed i obitions					
Membership	Ric Hulett, n6aJs N6AJS@arrl.net	408-332-4593			
Database	Ric Hulett, n6aJs N6AJS@arrl.net	408-332-4593			
Station Trustee w6otx, w6araGerry Tucker, n6nv					

Station Trustee K6YQTDoug Teter, KG6LWE 650-743-7892

Station Trustee K60TA Ron Chester, W6AZ

Property Manager Doug Teter, KG6LWE

Badge Coordinator.....Doug Teter, KG6LWE 650-743-7892 dteter@wcwi.com

Historian Position Position Vacant

Raffle Coordinators Rob Fenn, KC6TYD, rtyd@aol.com

> Shrikumar, KA6Q shri.paara@enablery.org

Field Day Coordinator. Doug Teter, kg6LWE 650-743-7892

ASVARO RepClark Martin, KK6ISP

kk6isp@sonic.net

Webmaster.....Shrikumar, KA6Q

webaron@gmail.com

Technical Coordinator. Christopher, AI6KG 408-348-0304

ch@murgatroid.com

QSL Manager......Marty Wayne, w6NEV 408-234-8023

Speaker Coordinator...Rob Fenn, kc6tyd 650-888-9060

PAARAgraphs Staff

Editorial Board

Bob Van Tuyl κ6κwy Kristen McIntyre K6wx Joel Wilhite, KD6W Ron Chester w6AZ

Jim Thielemann κ6sv

Editor.....Bob Van Tuyl, K6RWY 408 799-6463

rrvt@swde.com

Back Up Editor.....Jim Thielemann, κ6sv 408-839-6815

thielem@pacbell.net

AdvertisingWalt Gyger, κ6wgy 408-921-5901

walt@tradewindsaviation.com

Member Profiles......Position Vacant Technical Tips.....Ric Hulett, N6AJS

PhotographerPosition Vacant

VE Exams

De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: http://

Electronics Flea Market (ESM)

Sponsorship: Association of Silicon Valley Amateur Radio Organizations (ASVARO)

The Electronics Flea Market is seeking a new location. Until that is resolved, the EFM is on hold. Website: http://w

PAARA — Palo Alto Amateur Radio Association

Meets 1st Friday 7:00pm each month at Room H-6, Cubberley Community Center; Net 145.230 - PL 100Hz Mondays at 8:30. See website at http:// www.paara.org. For more information. contact: Joel Wilhite KD6W, KD6W@ARRL.NET, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:00pm at Covington School, Los Altos. Website: http://www.fars.k6ya.org

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:00pm each month,

Repeater for member info 147.360. Contact president@ncdxc.org, Website: http://ncdxc.org. YouTube content: "The Northern California DX Club Official Channel". Cohost of the International DX Convention.

The 50MHz & Up Group of Northern California

This organization specializes in vhf + wak signal and microwave activities. Meetings are held on the first Tuesday of each month. Time is usually 5pm for in person meetings, and 7pm for Zoom only meetings. In person meetings are held Sports Basement, 1177 Kern Ave, Sunnyvale.

Always check the website, http://50MhzandUp.org, for correct information. Zoom information is also there.

San Mateo Radio Club W6UQ.ORG

Meets, 3rd Friday, January through November.

Tuesdays & Thursdays, [Directed] Net, 7pm, N6ZX 145.370Hz, -600KHz, PL107.2Hz

Contact: SanMateoRadioClub@gmail.com, Website: http://W6UQ.org/ calendar

SPECS

Southern Peninsula Emergency Communication System users Group

Meets each Monday 7:30pm and 8:00pm.

See: https://specsnet.org/monday-night-net for more info.

Contact: https://www.specsnet.org/contact or board@specsnet.org

SCARES

South County Amateur Radio Emergency Service

Meets 3rd Thursday 7:30pm each month, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings. Contact: President Gary D. Aden, K6GDA 650-743-1265 (D), 650- 595-5590 (N)

Web: http://k6mpn.org E-mail: pres@k6mpn.org

SCCARA

Santa Clara County Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl Nets: 2m, 7:30pm Mon; 70cm, 10M (28.385) 8PM Thur. Meets 2nd Mon each month @ 7:30 PM. ARRL/VEC license testing contact 408-507-4698

SVECS — Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+)

Website: http://www.svecs.net or contact: Lou Stierer WA6QYS 408 241

WVARA — West Valley Amateur Radio Association

W6PIY six-meter repeater on 52.58mHz. Normally, six-meters is linked with 147 and 223, while 441 and 1286 repeaters are linked.

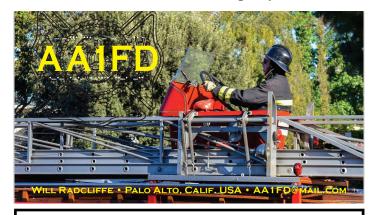
VHF: 52.58 (-500) 151.4 ctcss 147.39 (+600) 151.4 ctcss 223.96 (+1.6) 156.7 ctcss

441.35 (+5.0) 88.5 ctcss 1286.20 (-12m) 100.0 ctcss

Meetings are 2nd Wednesday of every month except July, August and De-

Website: http://wvara.org, Contact: info@wvara.org

(Please send changes to PAARAgraphs editor)



PAARA Weekly Radio Net

Info and Swap Session every Monday evening at 8:30pm on the N6NFI 145.230 MHz repeater

Week Control Operator

 1st
 Doug - KG6LWE

 2nd
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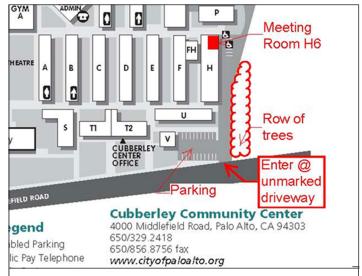
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Club meetings are on the first Friday of each month, 7:00pm at the Room H-6, Cubberley Community Center.

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