W6OTX | W6ARA

PAARA NEWSLETTER VOLUME 71, NUMBER 3, March 2020

K6OTA

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PAARAgraphs

The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

Celebrating 83 years as an active amateur radio club—Since 1937



Contesting Live - How to Have (Even More) Fun in Ham Radio Contests David A. Jaffe WD6T

Contesting is one of the most exciting and fun aspects of amateur radio. This talk covers how to get started in contesting, as well as offering tips for increasing your score and fun quotient. It concludes with a "live" contest, in which "QSOs" will be made on the fly by members of the audi-

David was licensed at age 12 and first operated an amateur radio contest a year later, winning 2nd place in the New Jersey QSO Party for Essex county. After a long hiatus from ham radio, he became active again in the 2000's on a wide variety of modes and bands from his home station in Berkeley, California. Since 2017, his casual interest in contesting exploded into a passion. He has participated in numerous contests from super -stations such as N6RO in Oakley and W6YX at Stanford University. In 2019, he travelled to the twin island nation of Antiqua and Barbuda to join the V26B team in the CQ Worldwide SSB contest. The group made over 10,000 QSOs in two days, and he alone made over 3,000 in twenty-four hours of operating. He is a board member of the Northern California Contest Club and holds several contesting records, including a Pacific Division record for the ARRL IARU contest. Professionally, he has several careers as a computer music researcher with several patents, as Senior Scientist/Engineer for Universal Audio, Inc., and as a composer of contemporary classical music (jaffe.com).

March 6th 7:00 PM, Cubberly **Community Center Room H-6**

Upcoming Events			
Mar 6 April 3 May 1	PAARA General Meeting, 7:00 PM Cubberly Community Center, Room H-6, 4000 Middlefield Rd, Palo Alto		
Mar 18 April 15 May 20	Board Meeting, 7:00 PM Everyone welcome! March Location: West Coast Wiring, 2862 Middlefield Road, Redwood City		
April 11	PAARA sponsored Electronic Flea Market at Fry's in Sunnyvale.		

President's Corner

March 2020

For those who missed the February meeting, you

missed a great presentation and demonstration by Joel, KD6W, on 3D printing for Hams. His talk consisted of very few PowerPoint slides and many pass-around projects that he's created all accompanied by insightful commentary on their creation. There was even a live demonstration of 3D printing by making a call sign plaque.



At the board meeting, we discussed adding a category to the web site for various project files to be available to others. Anyone in the club with a 3D printer will be welcome to add files they wish to share. Of course, the creator of the file will be credited with creating it. This also allows someone who doesn't have a 3D printer to contact the

(President — Continued on page 2)

Explaining Ham Radio to Non-Ham Operators

Truman Lindsey, N6TRU

It have had many intriguing and fulfilling experiences within the Amateur Radio hobby. I'll first start with that. With such a lunique hobby, however, comes the ex-l Iplanation of it to others. The Ham Radio I people I've met tend to be very social. land willing to share their experiences in the hobby. People in radio love to share information about the hobby. Heck. I |there's Field Day (where visitors are al-| [lowed and encouraged], and emergency [[preparedness groups such as RACES] and ARES (which as I believe cooperate) with public service agencies), and so on. I While it seems that local officials are certainly aware of the ham radio community, many non-officials (not involved in public) service agencies and not hams) either know a good bit about it, or a small, "smidgen" about the hobby.

IMany of the people who I've met who do I know a bit about the hobby (a good bit), I tend to have (or previously had) relatives I or acquaintances within the hobby. As for I examples, my art teacher's grandfather I was a ham radio operator, one of my I good friends (who will likely be licensed I soon) had a grandparent who was Ii-I censed a while back, and so on and so I forth.

As for the people who have very light knowledge on the subject of ham radio (a smidgen), I often find it an interesting challenge to explain the hobby of amalteur radio. While some explain ham radio with ease, I typically drift towards comparisons. And I believe this to be a rela-

tively solid approach. Many people who are unaware of ham radio, however, are aware of ham radio's "unlicensed siblings". Some of you might not like the comparison here, but I'll go about it anyway. By "unlicensed siblings" I mean CB and FRS/GMRS (Walkie-Talkies). Many people I've met, (and I don't blame them for this), think of ham radio as broadcasting or similar to it. Henceforth, I find it beneficial to describe amateur radio as I similar to CB or FRS/GMRS, just adding on the fact that there's a different culture, and that it is a licensed system with restrictions.

However, this is how I go about explaining amateur radio. I would be curious to know how you, the reader, would explain ham radio to someone else who might not know much about the hobby. Feel free to send me a letter or tell me at the next PAARA meeting.

 $(President-Continued\ from\ page\ 1)$

creator and negotiate to obtain one for themselves.

I reflect on a conversation, I recently had, when I was asked: "What was your first time like"? Now before your mind goes into the gutter, keep in mind were talking about amateur radio here. That simple question can result in a wide variety of answers as there are so many times in an amateur's life that can be classified as a "first" for a given activity. However, let us take the clock back to your first, first. The first time you learned that amateur radio existed and what it was like. How was it you tripped into finding out about the hobby? Was it a friend, relative, another ham, scouts, magazine, newspaper, or maybe a story on the radio or TV? What perked your interest in following up and learning more?

You study hard and earn your technician license, now what? That's likely the most common question that is asked of the new ham, even if your

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one of the lucky ones that also takes the general or amateur extra tests all at the same time. Like lots of things in life, being book read somehow has to be applied to the real world. That was the question I helped a couple of new hams get passed a couple of years ago. Actually making that 1st contact using a couple of HT's. Using simplex, it was easier on their nerves than through a repeater as fewer people would be listening as they stumbled through the contact. Like most of us, they were grinning ear to ear after their exchange! Do you remember your first contact?

You got excited about making contacts through the repeater, maybe even participate in the 9 AM talk net or the PAARA net but want more. You take the plunge into the general study guide and get your general license. Guess what, your now back to the question, "now what"? Those that have followed before affectionately refer to getting your general license the \$1,000 upgrade, as now you need to invest in equipment that is more expensive. But gads, there are so many options, how do you figure out what to do?

I could go on for quite some time reflecting on firsts such as your first DX contact, contact with a new entity, busting through a pileup, participating in a contest, your first QRP contact or whatever. All of these firsts are exciting and generate excitement you want to share with someone besides your XYL's "that's nice" response. This is where a club like PAARA comes in. Not only to share one's achievements and successes with but to help you along the path to answer questions like, "what next" or "how do you...".

Rightfully, we call ourselves "the friendliest club around". We do have rather "social" meetings with people sharing their adventures in amateur radio among other things. However, I have received more than one comment that we are not doing a very good job at sharing the wealth of knowledge with hams just getting into the hobby or have taken that next step earning a higher-class license. Our club is comprised of roughly 50% amateur extra license holders along with another sizeable group of general license holders, all with decades of combined experience in every aspect of the hobby. When is the last time

you helped answer the question, "now what" or "how do I...?

This is why the board is advocating the creation of the Elmer list to be added to our web site. I received a few names at the last meeting. I know there are more very capable hams in the club that could be on the list. If you can't make it to the next meeting or two, please send me an email with your preferred contact information and the area you'd be interested in helping someone learn more about. In conjunction with this list, we are taking a few of the rigs that were donated to the club and coming up with a loaner program. The idea being, an HF rig with Elmer would help get the new general or amateur extra past the question "what's next" and get them on the air. The HF radios and Elmer's would be available to club members so they too can enjoy their own "First". Please let me know if you are interested in being paired with a radio to help someone get started.

Trust me when I say, it's rewarding for the Elmer to see the excitement in a new ham's accomplishments and to know you were part of making it happen! In addition, at your next meeting, ask that new ham how they are finding the hobby and if they have any questions you might able to answer; they aren't that hard to spot. Remember, you too were in their shoes at one time!

73, Jim K6SV

Keep the airwaves alive by getting on the air!



Take care when this sign is seen!



Hiller Aviation Museum Tour

What:

- Join PAARA members for a docent guided tour of the Hiller Aviation Museum. Free time after lunch will allow you to tour on your own. See
- the engine collection and the unique aircraft,
- including a Lockheed Q-Star Silent Observation plane to Burt Rutan's personal Defiant pushpull twin. There also is a Cessna Cardinal and
- Aero Commander 500B outside that can be
- opened to allow visitors to sit in the pilot seat
 and see what modern general aviation aircraft are like (weather permitting). Reserve your
 spot now for the tour and lunch.

Tour Details:

Where:

- Hiller Aviation Museum, 601 Skyway Road,
- San Carlos

When:

Sunday, May 3, 10 AM, (please be about 15 minutes early to organize groups)

Cost:

\$35, (includes tour, box lunch, free time)

Last day to register for the tour is April 22, 5 PM

March Raffle Prizes

1st Place Prize — Yaesu FT-65R



To register, go to the PAARA website, www.paara.org and click on the link to the Hiller Aviation Museum tour. Please include your Name, Call Sign, and Lunch selection. Please make a separate order for each person attending.

You may use credit card or PayPal on the
 PAARA website. You may also use cash or
 check if paying at club meetings.

Box Lunch choices are:

- Classic Club Deli Ham, Oven-roasted Turkey & Smoked Bacon, Lettuce, Tomato,
 Avocado Spread, on thick-sliced Sourdough
- Monterey Chicken Grilled Chicken
 Breast, Monterey Jack Cheese, Avocado,
 Sprouts, Romaine Lettuce, Thousand Island
 Dressing, on California Crunch
- Veggie Supreme Cucumber, Tomato, Alfalfa Sprouts, Julienne Carrots, Bell Peppers, Romaine Lettuce, Hummus Spread & Mayo, on Multi-Grain bread

For more info, contact:

Marty Wayne, W6NEV mcwayne2@comcast.net 408-234-8023

2nd place Prize — \$60 Gift Card



PAARAgraphs — March 2020 Celebrating 83 years as an active ham radio club—Since 1937



February Raffle Winners

3rd prize Joe, WB6JOE, Heil foot switch

2nd prize John, K6JDS, ARRL Antenna Book Box Set

1st Prize John, KM6SKA, TYT DMR HT

5th prize Alan, AG6ZE, 20 Bin Portable Parts Container

Not Shown:

4th prize Herb, WY6G, Antenna Kit from QRP Guys

(Raffle — Continued from page 4)

3rd Place Prize — Fluke Multimeter



4th Place Prize — Rotary Ratchet



5th Place Prize — Watt/Power Meter



PAARA board Meeting Minutes

The PAARA February board meeting was held February 19, at Doug Teter's office in Redwood City. Present were Joel Wilhite, KD6W, Jim Thielemann (president) K6SV, Rob Korte (treasurer) KD6KYT, Doug Teter KG6LWE and Ric Hulett (secretary) N6AJS.

Meeting was called to order at 7:08 pm. A quorum was present.

Note: The March board meeting will be held at West Coast Wiring, 2862 Middlefield Road, Redwood City.

President's Report

We've been experimenting with the meeting format, and asking the membership for their opinions. We've gotten some good feedback, and will be trying out different things in upcoming meetings.

We encourage members to draft PAARAgraphs submissions when they talk about an interesting experience. PDF newsletter list status

Secretary's Report

We have 210 members including Mark Johnston, AF6DW, who joined this month. 120 members have renewed for 2020, but there are 90 PAARA members who have not yet renewed.

Renew your membership this month to ensure you receive your PAARAgraphs. Members who have not renewed will have a reminder sticker on their newsletter.

So far, 13 club members have signed up to receive PAARAgraphs by e-mail.

Treasurer's Report

The treasurer reported that income and expenses in February was in line with previous years. We will write a check to the holder of the repeater site, to reimburse for the cost of internet and electricity. Jim will check the electric meter and determine what we owe. There was discussion on the topic of insuring the repeater site; gear, tower, and shed. Amount at risk \$6,000. We will review our current insurance coverage re: liability for injuries

or other events at the repeater site.

VP / Program Chair Report

The board congratulates Joel Wilhite on an excellent presentation at the February PAARA meeting. More presenters like Joel would be a great thing. Joel said that he will post to PAARA website his .STL files for 3d printing

Next presenter is Dave, K6DAJ. His topic will be: "Contesting Live: How to have even more fun in Ham radio contests". Later this year, Joel will have an updated presentation on digital TV.

Old Business

This year's PAARA field trip will be to the Hiller Aviation Museum –May 3rd @ 10 AM

We agreed to work with Gerry Tucker to assist him in organizing his storage of PAARA equipment.

PAARA loaner radios w/Elmer: Ric and Jim will build a proposal to furnish loaner HF radios for new General-class operators.

Club meeting format: We are still taking suggestions from members. The last meetings have had reduced front-end discussions, this seems popular.

Some members have suggested more hands on technical presentations, like perhaps a hackathon.

Also, we consider more interest items for newer hams: How do i...Jim: Not enough stuff for the newbie. How do I ..., or gather 'words of wisdom' from more experienced hams. 2nd Home Brew Night II in August

PAARA is operating the Electronics Flea Market (EFM) on April 11th, at Fry's Electronics in Sunnyvale. The Flea Market activity is in need of volunteer help for that Saturday morning. We really need to bring in some new volunteer manpower.

New Business

We are in negotiations with a volunteer to take on accounting duties for the club, replacing Ron

(Minutes — Continued on page 7)



(Minutes — Continued from page 6)

Chester, who has provided years of excellent service to the club.

The board discussed an audit of the club books so there is a clean transition to a new accountant. Joel proposes an audit committee who audits the presentation of the accountant. The new accountant can be on the audit committee.

Field Day Food volunteer: The club needs to find a field day food coordinator.

Check signing changes complete. Doug Teter and Jim Thielemann can sign checks for the club, as well as Rob Korte.

Cloud storage: PAARA needs to have secure, cloud-based file storage for our records, and such things as the membership database. Jim has evaluated various cloud storage facilities, which were discussed. The board accepted a proposal to try out a service at the 'free' tier of service.

The meeting was adjourned at 8:55.

Respectfully submitted, Ric Hulett N6AJS PAARA Secratary

Equipment For Sale

PAARA has been a repository for donated electronic equipment and ham
gear for many years. We currently
have a large number of radios and related equipment available to club
members and others. Much of the
gear is in good or better condition,
some not so good. None have been
tested.

There is a list of the equipment posted at paara.org/pages/eqpt.html. If any item piques your interest, please contact me and we can talk about it. Periodically, some of these will be brought to a club meeting. There will be pictures and descriptions in PAARAgraphs showing the equipment being brought to that month's meeting.

Marty Wayne, W6NEV mcwayne2@comcast.new 408-234-8023

Celebrating 83 years as an active ham radio club—Since 1937

Palo Alto Amateur Radio Association,

PO Box 911 Menlo Park, CA 94026

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	w6nev@arrl.net	
Secretary	. Ric Hulett, N6AJS	408-332-4593
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Treasurer...... Bob Korte, KD6KYT 408 396 4745 bob@rgktechsales.com

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	kd6w@arrl.net		
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	walt@tradewindsaviation	n.com	
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	dteter@wcwi.com		
Director ('21)	Darryl Presley, KI6LDM	650 255-2454	
	ki6ldm@arrl.net		

Appointed Positions

l	=	
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Station Trustee K60TA	Ron Chester, w6AZ	
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Asst. to the Treasurer	Ron Chester, w6AZ	
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	dteter@wcwi.com	
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Field Day Coordinator	Doug Teter, KG6LWE	650-367-6200
ASVARO Rep	Clark Martin, KK6ISP	
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Webmaster	. John Miller к6мм	
	webaron@gmail.com	
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•	ab6so@sm	rn.com	
Photographer	. Position Va	cant	

VE Exams

Redwood City Main Library, Community Conference Room, 4th Saturday 10:30 am each month and De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: http://amateur-radio.org or Contact AI, WB6IMX@att.net

Electronics Flea Market

Sponsorship by A.S.V.A.R.O. — Association of Silicon Valley Amateur Radio Organizations Second Saturday of month, March-September, 6am-12 noon

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 our website at http://www.paara.org for more information or contact: Joel Wilhite KD6W, kD6w@arrl.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:30pm Contact: http://www.fars.k6ya.org

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:30pm each month, Repeater for member info 147.360, Thursday 8:00PM Contact: http://ncdxc.org or Mike Gavin W6WZ, (650) 851 8699

QCWA Chapter 11

Northern California Quarter Century Wireless Association

Meets third Wednesday monthly at Harry's Hofbrau in Redwood City @ 11:30 AM. Guests are welcome. Saturday morning net on 146.850 MHz, PL 114.8

50 MHz & Up Group

Meets 1st Thursday each month at 7pm in the Summit Room at the Sunnyvale Sports Basement, 1177 Kern Ave, Sunnyvale Contact: http://50MhzandUp.org

SPECS

Southern Peninsula Emergency Communication System

Meets each Monday 8:00pm on Net 145.27, 440.80 MHz Contact: http://specsnet.org or Tom Cascone, KF6LWZ, 650-688-0441

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+)

contact: http://www.svecs.net or Lou Stierer WA6QYS 408 241 7999

TEARS — The Elmer Amateur Radio Society

Dedicated to operational training, knowledge building & FCC exam testing. KV6R repeater under construction.

Contact: AA6T@ARF

Most members are Extra Class or VE's. See QRZ dot com/kv6r for class info

VARA — 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.

UHF:

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 December. Contact: http://wvara.org, Bill Ashby N6FFC, 408-267-3118, president@wvara.org

American Red Cross, Santa Clara Valley Chapter

Contact: http://santaclaravalley.redcross.org or Scott Hensley KB6UOO, (408) 967 7924 fshenslev@Novell.com

(Please send changes to PAARAgraphs editor)

WE ARE PLEASED TO ANNOUNCE THE NEXT CHAPTER FOR US:

HSC HAS SOLD TO

EXCESS SOLUTIONS!

















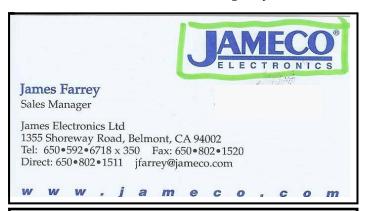
- → Halted Specialties Co., Inc. has sold HSC Electronic Supply to Excess Solutions
 of San Jose...making the biggest surplus electronics store in the Bay Area!
- → Much of the millions of parts seen on HSC's shelves will be showing up soon on Excess Solutions' shelves...for your electronic needs.
- ★ Techs, Developers, Experimenters, Hobbyists and Creators will once again have access to the basic parts that Silicon Valley was built upon!
- ♣ Support your local surplus store...there are few left, and you know how much this Silicon Valley resource is needed!

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Celebrating 83 years as an active ham radio club—Since 1937



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 Joel - KD6W

2nd John - W6JMK

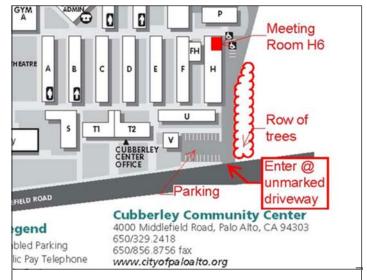
3rd Ric - N6AJS

4th Rob - KC6TYD

5th Rob - KC6TYD

If you're interested in trying out at Net Control, Contact Doug, KG6LWE. It's good practice,





Meeting Location — Middlefield Road between San Antonio and Charleston in Palo Alto. 4000 Middlefield Road

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Email: KARLDRESDEN@juno.com

Palo Alto Amateur Radio Association P.O. Box 911, Menlo Park California 94026-0911

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

Radio NET & Swap Session every Monday evening, at 8:30pm, on the 145.230 –600 MHz repeater, PL 100Hz.

Membership in PAARA is \$25.00 per calendar year, which includes one subscription to PAARAgraphs \$6 for each additional family member (no newsletter).

Make payment to the

Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026-0911

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ARV'S, WA6UUT (SK)
WEDNESDAY
HAM RADIO
LUNCHEON
Our 11th year!

- Since May 2, 2007 – BLACK BEAR DINER

Sunnyvale, California
415 East El Camino Real
(Just "North" of South Fair Oaks
Avenue on El Camino Real)
_11:30 AM ~ 3:00 PM

Website:www.blackbeardiner.com

Many food choices available from the breakfast, lunch or dinner menus. Ample parking is available. Walk in & "bear" left for our location in the restaurant!

NOT A CLUB, CLOSED GROUP OR CLIQUE; AMA-TEUR RADIO OPERATORS AND FRIENDLY PEOPLE ARE ENCOURAGED TO ATTEND!

PAARA Badges

You can order a \$20 badge from the PAARA web site or at a meeting through Doug Teter, KG6LWE, and usually pick it up at the next meeting.

This space is available.



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П

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PAARA W6OTX DMR Repeater Frequencies

DMR—NOR CAL
Brandmeister
Network

440 – 444.475 up 5 MHz

DMR

DMR

1.2G – 1284.15
down 12MHz

1.2G – 1249.15 half duplex

Off line



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Text: .doc, .rtf, or .txt Photos: jpg, png or tiff

Subscription Problems? Contact Database Manager: Ric Hulett, N6AJS, 408-332-4593 energyconserved@sbcglobal.net

PAARAgraphs Ad Rates

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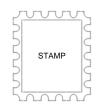
PAARA*graphs* accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). All ad rates listed are per issue.

- 1. Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
- 2. For Profit organizations and/or individuals: \$5-business card size, \$14.00-quarter page, \$25-half page, \$50 full page or back cover per issue.
- These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing transpersents with the association. The PAARAgraphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.

 All fees payable in advance by the year with "scanner-ready" copy or text-only ads. **Give payment and copy to Walt Gyger, K6WGY.**

PAARAgraphs — March 2020

Accept no substitutes. Produced and printed in California USA



Palo Alto Amateur Radio Association, Inc. PAARA*graphs* Newsletter P.O. Box 911 Menlo Park, California 94026

FIRST CLASS MAIL

