

March, 2021 Issue of the Newsletter of the

Tri-County Amateur Radio Association

Los Angeles – Riverside – San Bernardino Counties – Since 1927

P.O. Box 75, Claremont, CA 91711

Web Site: <http://www.tcarclub.net> Email: k6agf@arrl.net

President: Bruce Bolton AG6YS
Vice President: Kurt Dodge KK6WGT
Secretary: David Wilkie K6EV
Program Director: Tim Adams N6DLC

Board Members:

Treasurer: Ken Barto N2HL
Publicity & Web: Ken Mixon KC6WOK
Past President: Brad Rachielles KC6NNV

K6AGF Trustee: Doug Barcon K6AHTJ
ARRL Audio News: Jim Eagon K6JFE
QRM Editor: Dave Wilkie K6EV
Net Control: Bruce Bolton AG6YS

Appointments:

Hospitality: Richard Schultheiss KG6HLA
Field Day Chair: Kurt Dodge KK6WGT
2nd Century Chair: Dave Wilkie K6EV

ANNOUNCEMENTS AND UPCOMING EVENTS

NEXT REGULAR CLUB MEETING DATE:

Wednesday, March 10, 2021 -- 7PM Zoom Video Conference

Invitations will be sent to all members to the email address on file. Guests are welcome to join us – please contact us at the email address above a few days ahead of the meeting so that we can collect your information and arrange to email you an invitation. Check the ROSTER later in this issue to confirm your email is correct (it probably is if you have received QRM). You can also verify that your dues payment status is correct. If you think there is a problem, contact the club Secretary at k6agf@arrl.net and describe the problem.

Meeting Topics include:

- Brief reports from Treasurer and Secretary. Funds, membership levels and renewals
- QRM solicitation and deadline.
- Vastly improved website now on line – input welcome. Thanks to Ken Mixon.
- **Presentation: Field Day Update**
- **Presentation: Decoding Basic Solar/HF Propagation Report Data – Dave Wilkie K6EV**
- Member Questions and Answers – Technical or otherwise.

Minutes of the most recent past club meeting and board meeting are found at later in this QRM.

REMINDERS - RECENT CHANGES AND RECURRING EVENTS

Reminder – The Weekly Net continues in its new, more conversational tone on Sundays at 7PM on the WA6FZH repeater located on Johnstone Peak in San Dimas. This repeater is at **446.400 MHz with a negative offset of 5 MHz and a PL tone of 103.5Hz**. We are very grateful to WA6FZH for maintaining this as an open repeater for the benefit of the local Amateur Radio Community. Our thanks to Doug Barcon for contributing a weekly update on propagation conditions, to Jim Eagon for presenting the ARRL audio news and to Bruce Bolton for so reliably conducting this net every week for so many years.

Regular club meetings start at 7PM (Not 7:30) on Zoom. Keep your callsign or full name in your user profile so we can recognize you and let you out of the ‘waiting room’. To avoid scammers, we can’t let you in if we don’t know who you are!

Board meetings are now held on the LAST WEDNESDAY of each month, at 7PM, on Zoom. Please contact the club Secretary at K6AGF@ARRL.NET a few days in advance if you would like an invitation. Members are welcome to attend!

Zoom on Saturdays – Club President Bruce Bolton has proposed **moving this from noon to 10AM on a trial basis, renamed ‘Talk at Ten’** to see if this gives additional members an opportunity to participate. On a trial basis beginning Saturday March 6th. You should be receiving an email reminder periodically. If you are NOT, contact the club Secretary via K6AGF@ARRL.NET.

In-Person Testing at Brackett Field in La Verne remains suspended, BUT let us know if you need help finding an online testing session for new ham licenses or for upgrades!

QRM Monthly Newsletter CONTENT WELCOME:

The club is always looking for suitable and interesting materials as well as news and announcements for the newsletter. If you have something, please contact the QRM editor, Dave K6EV. The newsletter is emailed monthly to all members in good standing.

RE-BUILDING TCARA’S HISTORICAL ARCHIVE:

PLEASE – take a look through your old records and files. We have made a lot of progress but would **greatly value** any old issues of QRM (or meeting minutes) from the years **2000, 2002, 2006 or 2008. More recently, 2017 and 2018** issues would also help complete our picture. Please see what you have in old email archives, file folders etc. Please contact the club secretary, Dave Wilkie K6EV, if you have something. We can help with scanning, pickup/delivery, etc. Thanks in advance!

FEATURED STORES FOR THIS MONTH:

A MESSAGE FROM CLUB PRESIDENT BRUCE BOLTON, AG6YS:

Welcome to March, TCARA Members and friends of the Club. Interest is still there in our weekly video chat meeting! It was discussed and decided that our time should change, so we are trying a new time and title. We will now have TCARA Talk at Ten. Join us at 10:00 A.M. to chat up Ham Radio topics of interest.

Spring is coming! Daylight Savings Time begins March 14th, time to Spring Forward! Remember this is a great time to change the batteries in your important devices, smoke detectors and carbon monoxide detectors as well as your battery operated handy talkies! Be ready for emergencies!

In my humble opinion I would ask you to consider, for the sake of those around you, to participate in the Covid-19 vaccination effort and get whichever shot is available to you. I look forward to a day when we can have eyeball QSO's again!

Here is to a green and glorious Spring!

Bruce Bolton, President of TCARA

Tri-County Amateur Radio Association (TCARA)

Mission Statement:

TCARA's mission is to promote and support the Amateur Radio Service and the development of Amateur Radio Operators in the Los Angeles, San Bernardino and Orange County areas through education and the sharing of radio knowledge, cooperation between members, participation in emergency preparedness, enabling F.C.C. sponsored license examination sessions, promoting individual operating proficiency, conducting on-the-air operating practice, sponsoring mentored learning for new operators, conducting enjoyable social activities and other club programs so as to advance the general interest of Amateur Radio in the community.

TCARA is an un-incorporated social and hobby club supported by very modest members' dues. The club does not contemplate pecuniary gain or profit to the members thereof and the club is organized solely for non-profit purposes. All persons interested in Amateur Radio communications shall be eligible for membership. All policies of the club shall be administered without regard to race, color, creed, religion, gender, sexual orientation, marital status national interest, political beliefs or any other reason that would be biased or prejudicial.

BUY/SELL/TRADE/FREEBIES SECTION - RULES:

TCARA's QRM newsletter provides an opportunity for ham radio operators to connect for the purpose of buying, selling or gifting Amateur Radio related equipment. QRM will not include ads for equipment not reasonably related to Amateur Radio. Included items are those used for regular station operation including radios, antennas, power supplies, test equipment, radio cabinets, parts, supplies and related literature. Computers, furniture, consumer electronics and household items may not be advertised. Buyers may not post items that are not legal to possess or sell in the U.S. or California or radios and equipment which may not be sold per the FCC. QRM will not, accept ads for commercial sales for this section of the newsletter nor for services-for-free or trade. Advertisements for weapons are not acceptable.

TCARA accepts no fee or percentage of any kind for transactions between participants. TCARA will not be held liable or responsible IN ANY WAY for ANY transaction that takes place between the participants of this forum. TCARA does not guarantee the identity or authenticity of any member who posts items for sale, nor for the authenticity of goods. **TCARA provides NO WARRANTY OR GUARANTEE of any kind** and no guarantee of satisfaction. TCARA makes no guarantee of availability. TCARA will fully cooperate with law enforcement agencies when requested by officials. **ALL TRANSACTIONS ARE ENTIRELY BETWEEN THE BUYER AND SELLER.** No money and no goods should ever be sent to TCARA.

All listings must be accompanied by a telephone number and an email address. You may specify whether you want the telephone number published. Listings are accepted from club members in good standing only. Photographs are recommended. **TCARA reserves the right to refuse to publish any listing for any reason at its sole discretion.** If you have questions or items you wish to list, please contact the QRM Editor.

BUY/SELL/TRADE/WANTED/FREEBIE - LISTINGS:

FREE: Jerry Grzelak, KG6MN has available a **2 meter (144MHz) two element cubical quad** antenna available to any interested ham at no charge. If you are interested, contact Jerry at jerrykg6mn@hotmail.com for more information.

FOR SALE: Art Bode, W9TEN has available a 100 foot long coaxial cable with PL-259 connectors on each end. This is ABR Industries type 25400F low loss foam dielectric cable comparable to LMR400 or similar, in used but very good condition. See the photo below. Pick up in Pomona for \$70. Contact Art in the nine-four-nine area code at 280-6770 or at artbode@gmail.com



MEMBER NEWS!

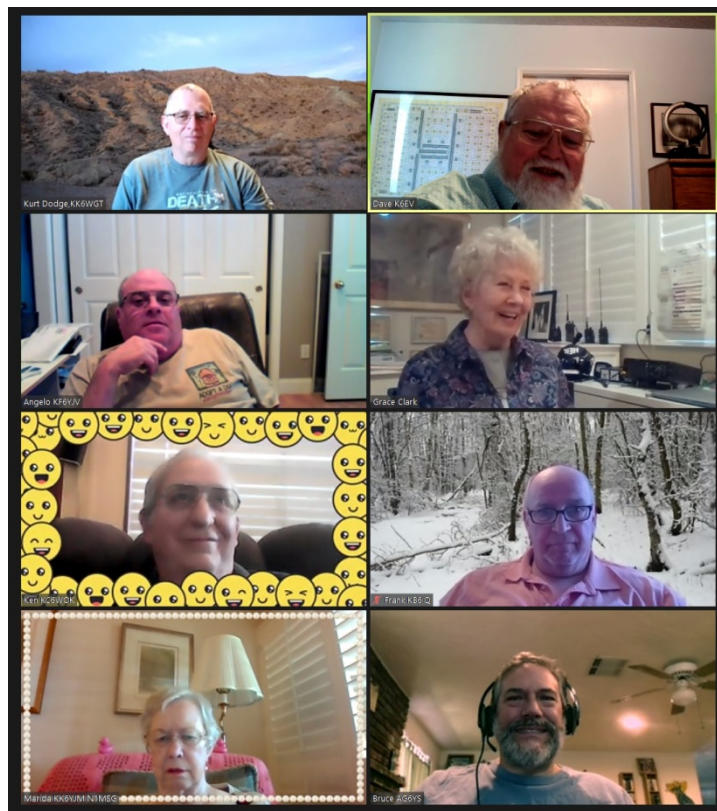
We warmly welcome a brand new TCARA member and a great license upgrade:

Welcome to TCARA: SHAWN BRUNEL, KN6CZP. Shawn joins us from La Verne and we are looking forward to hearing him on the weekly net and on Zoom – and, hopefully in person someday soon! Shawn brings our current roster to 49 licensed and voting members.

Congratulations to member Maribel Gershman KN6HSW for notching her General Class upgrade in February. Maribel hit the bulls-eye on her first shot and we know she's starting to look around for an HF radio and places to plant nice pieces of aluminum and wire! Be sure and water them and we are sure they will grow. Congratulations Maribel.

Tim Adams, N6DLC made some interesting discoveries about power ratings on the 9:1 UNUN's commonly used with the popular end-fed non-resonant antennas. Turns out that some manufacturers might be a little generous with power ratings, focusing on low duty cycle capability such as SSB or CW. When using these devices on high duty cycle modes like FT8 or RTTY (and especially if the SWR is a bit high) they can heat up and the ferrite cores lose their properties. The SWR can avalanche at the radio and the protection circuits fold back the power. So if you are seeing erratic power levels or SWR levels you may have a damaged UNUN. And if you are buying a new one, move up a size or two, especially for digital modes. Helping another ham, Tim found one popular unit rated at 500W that had apparently been damaged by a 100W radio.

Some Hard Core Dead Serious Ham Operators – Saturday Zoom Conference Feb 27



AMATEUR RADIO NEWS HIGHLIGHTS AND ANNOUNCEMENTS

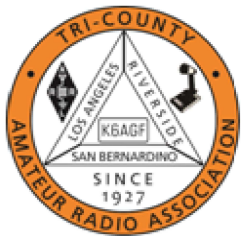
The QSOTODAY Virtual Ham Radio Expo is returning this year on **March 13th and 14th**. There is a modest registration fee this year, which is reduced if you register early. It sounds like an even larger speaker and presentation list than last year. Details are found at their website at www.qsotodayhamexpo.com

Reminder – Free Online Editions of Four ARRL Magazines (for ARRL Members): During the past year (April 2020) the ARRL has relaxed access to some of the previous subscription-only publications for ARRL members. If you are an ARRL member you can access issues of **QST** and the recently introduced **ON THE AIR** magazine for new hams. Plus you have access to **QEX**, the forum for communications experimenters (previously a somewhat costly subscription) as well as **NCJ** the National Contest Journal. You can find links to these (once logged in to ARRL) at this link: www.arrl.org/arrl-magazines. Enjoy some interesting browsing of articles, old and new!

HF Propagation: After a fairly quiet couple of months we saw sunspot numbers kick up a bit towards the end of February and a nice little uptick in the solar flux index lifting us out of the low 70's and up into the 80's for a good period. Offsetting this on some days was some geomagnetic activity. But over all we saw activity not present since the spurt of activity late last year. Here's hoping we see MORE as Cycle 25 develops!

2021 Field Day Rules Waiver!!!: You may recall that during 2020, due to the pandemic, the ARRL took the unusual step of altering the Field Day rules to permit class D home stations to earn points from contacts with each other and with other classes of Field Day stations – and further – to allocate those points (if desired) to a specific ham radio club so that such clubs could amass a consolidated score from members operating from home in order to maintain safe social distancing in difficult times. (Normally Class D stations can only count points for contacts with Classes A, B, C, E and F – not other Class D's, but that was waived for 2020 and now for 2021). **The ARRL recently announced an extension to this rule waiver for Field Day 2021**, but this year has added a restriction for both class D and E (home station with emergency power) limiting such stations to 150 Watts PEP. Last year's rule waiver resulted in a huge level of active on-the-air participation during Field Day and it is to be hoped that we see this again in 2021! An early announcement was made to make it easier for participants to plan ahead.

Former ARRL Southwestern Division Director Art Goddard, W6XD, SK. Art was an active participant in the ARRL SW division including two terms as Vice Director before becoming director in 2001. Art became a silent key on February 13th. Read more about Art at: <https://www.latimes.com/socal/daily-pilot/news/story/2021-02-23/costa-mesa-historian-art-goddard-remembered-as-lovable-and-very-bright>



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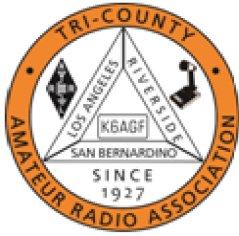
P.O. Box 75, Claremont, CA 91711

Web Site: <http://www.tcarclub.net> Email: k6agf@arrl.net



General Meeting Minutes – Feb 10, 2021, 7:00PM

- I. Call to Order at 7PM. Minutes of last month's meeting approved by general consent.
- II. Approval of Minutes of General Meeting of Jan 13, 2021 as sent via QRM
- III. Secretary's Report – Dave Wilkie K6EV. We have 45 paid members plus 3 licensed family members for 48 total. Of these 24 are Extras, 1 holds an Advanced, 15 are Generals and 8 are Technicians. 1 more pending.
- IV. Program Director: Tim Adams N6DLC. Program for today: Field Day decisions AND Quartz-Pause report.
- V. Publicity Report – Ken Mixon KC6WOK. New club website has grown greatly. Looking at adding CW training.
- VI. Old Business: Follow-up answers to member questions from January's session on Remote Testing via Dave K6EV and thanks to Shaun K6CT. Individual W5YI teams accept different forms of payment. Shaun's team accepts Paypal, Venmo and Zelle. Credit cards MIGHT be possible via Paypal. Candidates who pass the first test and wish to test another level up are interviewed as to whether they have really studied and are ready as examiners time is valuable and others are waiting. If not ready they are discouraged from further testing on that date. Examinees who fail a text by only one or two questions may be permitted to re-test for a repeat fee, but not if they missed a significant number of questions – again because other candidates are waiting.
- VII. Treasurer's Report – Ken Barto N2HL. Balances are 4513.58 plus 200 cash for a total of \$4713.58
- VIII. New Business: TCARA 2021 Field Day, Kurt Dodge Chairperson.
 - a. Discussion of Issues: Many highly active members with dual club membership are already committed to another field day plan underway for some months. Some other members are out of town. Pandemic conditions are unpredictable. TCARA members are welcome at the GOTAhams site as a backup option. Marida and Maribel observed that site must be interesting and larger sites are attractive. Ken Mixon observed that the pandemic presents risks to the GOTAhams site plan also and that it is impossible to be certain of outcomes – he recommended planning for best case, mid case and worst case. Dave reminded the group that ARRL today announced extension of the 2020 class 1D waiver to permit home stations to fully participate, albeit with a 150 watt power limit. Ken Barto observed that there are new hams at the PV Hospital, PVH is keenly interested in engaging them and us and that PVH probably offers radios, masts, generator, antennas, infrastructure including a mobile truck and possibly even a site.
 - b. In addition to Kurt, the following club members agreed to participate in a planning committee meeting to be organized by Kurt; Bruce Bolton, Ken Barto, Tim Adams and Dave Wilkie. The group will further discuss the issues and formulate recommendations. Kurt was thanked for taking on the tough job of raising the issues, thanks to all for their open and candid participation in the discussion.
- IX. New Member Welcome: Shawn Brunel of La Verne, KN6CZP is in the process of joining us. WELCOME!
- X. General Announcements: Hamvention 2021 is cancelled but registrations are underway at qsotodayhamexpo.com for virtual hamfest on March 13, 14. Sunday night net 7PM on 446.400 (-) PL 103.5. Join us for Zoom at Noon every Saturday! Nightly nets with our sister club – GOTAhams every night at 8.
- XI. Bruce noted and thanked the members for the great meeting turnout – we had 25 in attendance.
- XII. Presentation: Recap of events at this year's Quartz-Pause (QuartzFest paused during Pandemic) near Quartzite Arizona – Ken Mixon. A great ham social event and a challenging radio operating environment. Ken brought extensive photos that were interesting to those who could not attend.
- XIII. Adjournment at 8:26PM



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Board Minutes – Feb 24, 2021

President: Bruce Bolton AG6YS-Present
Vice President: Kurt Dodge KK6WGT-Present
Secretary: David Wilkie K6EV-Present
Program Director: Tim Adams N6DLC-Present

Board Members:

Treasurer: Ken Barto N2HL-Present
Publicity & Web: Ken Mixon KC6WOK-Present
Past President: Brad Rachielles KC6NNV-Absent

K6AGF Trustee: Doug Barcon K6AHTJ
ARRL Audio News: Jim Eagon K6JFE
2nd Century Chair: Dave Wilkie K6EV

Appointments:

Hospitality: Richard Schultheiss KG6HLA
Field Day Chair: Kurt Dodge KK6WGT

- I. Call to Order 7:02PM
- II. January 27 board minutes – no changes requested. Approved by general consent.
- III. Secretary's Report
 - a. Roster report. 49 total current-dues-paid members as of Feb 24 2021.
 - b. Still looking for archival material, especially from past officers. Especially 2000, 2002, 2006, 2008. List of officers at least for those years? Any QRM's. Otherwise have officers back to 1999 and presidents to 1977.
 - c. Bruce has updated ARRL HQ information.
- IV. Treasurer's Report – Still some difficulty with handover of full data access to accounts due to new regulations and Ken Barto is working on it with bank. Discussion of renewing insurance ahead of May and Ken will determine whether it is through ARRL or not.
- V. Programs Report – Tim Adams: March program under development and TBD.
- VI. Publicity/Website report – Tim on behalf of Ken Mixon, website operating nominally and material continues to be added.
- VII. Old Business
 - a. Status of year-end handover tasks:
 - i. Club Equipment: Bruce has several large boxes. Bruce/Dave to inventory/evaluate once pandemic quiets down.
 - ii. Ken Barto will prepare a full financial report after bank access issues are resolved.
- VIII. New Business
 - a. Motion to approve TCARA mission statement by Dave, seconded by Kurt, approved unanimously.
 - b. Motion to approve revised TCARA History statement by Dave, seconded by Ken Barto, approved unanimously.
 - c. Motion to approve revised TCARA Introduction statement by Dave, seconded by Tim, approved unanimously.
 - d. Field Day Discussion: Concern expressed at possible limited interest. Counterpoint was to go with what we have, given that we face the unknown in any event. Hospital is keen to work with us and that is a major asset to be respected and developed and includes space, equipment and infrastructure together with PV Hospital's interest in developing Emergency Communications and internal staff as licensees via ham radio. Further discussion anticipated in coming days.
 - e. Deferred- Ideas for improving content of Weekly Net and/or Zoom to make it more interesting?
 - f. Deferred-Future Programs
- IX. Adjournment at 8:01PM

Next board meeting Wednesday, March 31 at 7PM

TCARA CLUB GENERAL INFORMATION SUMMARY:

TCARA General Contact Information:

Business Address: Tri-County Amateur Radio Association, PO Box 75, Claremont, CA 91711

Web Site: WWW.TCARACLUB.NET Club Email: k6agf@arrl.net

Weekly Net: Sundays at 7PM Pacific Time. 446.400 MHz, (-) PL 103.5

Zoom—at–Noon: Zoom meeting every Saturday at 12 noon. Invitations sent to member's email.

2021 Officers:

President: Bruce Bolton, AG6YS	626-335- 5606	1bcbolton@gmail.com
Vice President: Kurt Dodge, KK6WGT	909-593-1772	kwdodge1@msn.com
Treasurer: Ken Barto, N2HL	909-908-0155	numbrpushr@gmail.com
Secretary: Dave Wilkie, K6EV	909-625-5921	d33wilkie@gmail.com
Publicity Director: Ken Mixon, KC6WOK	909-917-4450	kc6wok@gmail.com
Program Director: Tim Adams, N6DLC	626-203-3315	tim@wnbnet.net
Past President: Brad Rachielles, KC6NNV	909-816-7333	bradrachielles@gmail.com

Appointments:

Net Control: Bruce Bolton, AG6YS	626-335- 5606	1bcbolton@gmail.com
K6AGF Trustee: Doug Barcon, K6AHT	714-393-8238	dougbarcon@gmail.com
Refreshments: Rick Shultheiss, KG6HLA	626-327-4134	schultz204@msn.com
QRM Editor: Dave Wilkie, K6EV	909-625-5921	d33wilkie@gmail.com
Field Day Chair: Kurt Dodge, KK6WGT	909-593-1772	kwdodge1@msn.com
ARRL Audio News: Jim Eagon, K6JFE	951-212-1970	jeagon@gmail.com
2 nd Century Chair: Dave Wilkie, K6EV	909-625-5921	d33wilkie@gmail.com

Membership:

TCARA welcomes new members. Dues are \$20 dollars per year (\$10 for the balance of the year if joining after June 30th). Spouses and children are also members. Voting members are those holding active amateur radio licenses, and whose dues are not in arrears. Payment is due by January 1st of each year. Make checks payable to TCARA. Please use the attached renewal/application form and follow the instructions on that form.

Monthly Club Meeting:

TCARA holds a monthly club meeting at 7:00PM (not 7:30) **on the second Wednesday of each month**, except for the December Holiday Celebration. Normally the club meets in the Pilot's Lounge at Bracket Field Airport, 1615 McKinley Avenue, La Verne, CA. (Building containing 'Norms Hanger' coffee shop). However, during the pandemic the club meets via Zoom video conference and invitations are sent to members via email. Visitors are welcome. Contact the club Secretary a few days ahead of the meeting to obtain an invitation.

Board of Directors Meetings:

Board meetings are held to plan general meeting activities and other matters consistent with the by-laws. Board meetings are open to members who wish to attend but please advise the board a few days in advance so that any modification to the venue can be arranged to assure adequate space or other capacity. During the pandemic the board meets virtually via Zoom video conference. If you would like an invitation, please send your particulars to the club Secretary at K6AGF@ARRL.NET Meetings are the last Wednesday of the month at 7PM.

~~Zoom at Noon~~ >>>Talk at Ten – Every Saturday: MOVING TO 10AM SATURDAY EFFECTIVE MARCH 6

Each Saturday the club holds an informal social and technical chat via Zoom Video conference. Invitations are emailed to all club members. Drop in for a moment or for the whole session. Tell us what you've been up to or just say hi and listen in. Members should be receiving a reminder and login link periodically. If not, contact the club Secretary via K6AGF@ARRL.NET. Club President Bruce Bolton has proposed moving this from noon to 10AM to see if this permits additional members to join.

Weekly Net - Sundays at 7PM via WA6FZH repeater - 446.400 MHz (-) offset, PL 103.5Hz.

VISITORS ARE WELCOME. Please join our net.

Field Day:

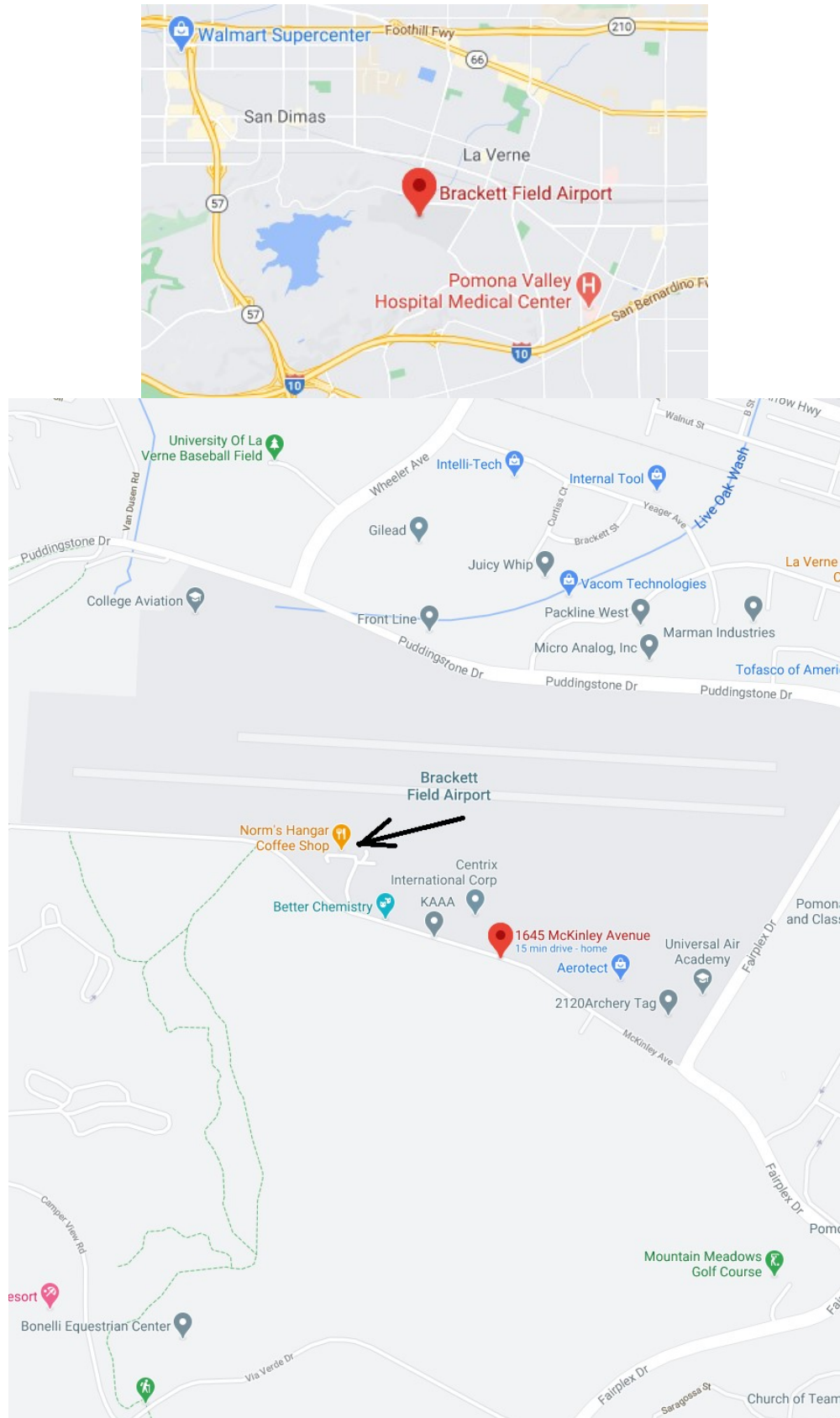
The club generally plans and executes a Field Day operating plan at a site and in a configuration developed by the members. ARRL Field Day is Amateur Radio's signature annual operating event and is a lot of fun. Field day occurs on the last full week-end of June. Planning generally begins in the fall and winter of the previous year.

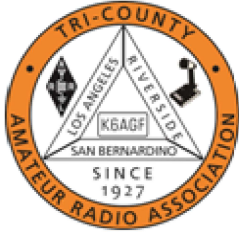
Amateur Radio License Testing

TCARA members offer ARRL VEC testing that provides license examinations for all classes of Amateur Radio License (Technician, General and Extra). Testing is generally on the last Saturday of each month and is at 1PM. The testing location is held at the Bracket Field Airport Administration Building, 1615 McKinley Avenue, La Verne, CA. 91750. (The same building that holds 'Norms Hangar' coffee shop). While walk-ins are usually accepted, we recommend that you contact Mr. Frank C. Westphal in advance and advise him of what license level you will be testing for. You may contact Frank by email at k6fw1@verizon.net or by phone at (909) 257-7205. Frank will advise you as to what to bring or not to bring to the testing session. Testing fee is \$15.00. TCARA members are also available to help you as you study for your license. To date, **testing sessions have been suspended during the pandemic**. Contact the club or an officer for information about other remote test sessions that may be available to you on-line.

Testing is available for either new licensees or upgrades.

Map to Club Meeting and Test Session Location at Brackett Field Airport in La Verne





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MEMBERSHIP APPLICATION – WELCOME!

***REQUIRED FIELDS – PLEASE PRINT LEGIBLY**

*Date: _____ *Call Sign or 'None': _____ *License Class: _____

*First Name: _____ *Last Name: _____

*Street Address: _____

*City: _____ *State: _____ *Zip: _____

*Email: _____ *Phone: (____) _____

TELL US ABOUT YOURSELF:

***APPLYING FOR MEMBERSHIP YEAR:** _____

Memberships: ARRL____ ARES____ RACES____ MARS____ OTHER_____

Interests: DX____ VHF/UHF____ HF____ DIGITAL____ CERT____ PROJECTS____ CW____

SATELLITE____ MICROWAVE____ FOX HUNTING____ EMERG. PREP____ Are you a VE? _____

Other Interests/Skills/Goals: _____

Other licensed Spouse or Children (Names/Callsigns) _____

Membership Dues: \$20/Year Due upon joining, renewals due Jan 1. \$10 if joining after June 30.

Note: Only licensed members with dues not in arrears may vote. Only members with valid amateur radio licenses whose dues are not in arrears may vote. There are no age limits. **Make checks payable to TCARA.**

By signing this application I agree to abide by the By-Laws of the Tri-County Amateur Radio Association. I agree that the club may share my stated email address with club members and in the monthly QRM newsletter.

*Signed: _____ *Date _____

PLEASE Include required initial dues payment (\$20 or \$10 after June 30th) so that we can process your application.

FOR TCARA USE ONLY:

TREAS: Dues Received \$_____ Date: _____ By: _____

TREAS: Form of Dues (Cash, Check, etc.) _____ Date App. Forwarded to Secty. _____

SECRETARY: Date added to Member DB _____ New Member Packet Emailed _____

You may hand deliver your application at any TCARA meeting (see web site for details) or mail it to the P.O. Box above. Feel free to contact us at the email address above or per the contact info on our website with any questions about the club, membership or Amateur Radio in general. Visit us during our weekly net or at any meeting.