



Welcome to SFARC, Auburn, CA



P.O. Box 6421 Auburn, CA 95604

June 2020

<http://w6ek.org> info@w6ek.org

At The Key of SFARC:

PRESIDENT

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AI6US@titaniumsattelite.com

VICE PRESIDENT

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DIRECTORS

Gerry Brentnall, WA6E
Nathan Chilton, K6NDC
Wayne Stilwell, W6DT

FIELD DAY CHAIRMAN

Gary Frerking, KC3PO

REPORTERS

Satellites: Greg, KO6TH
Sunshine: Richard, WA6RWS

GROUPS io

Dennis Gregory, WU6X

PIO

Scott Vogelsang, WA6YNE

REPEATERS

145.430 (-0.6 MHz/PL 162.2)
440.575 (+5.0 MHz/FUSION)
223.860 (-1.6 MHz/PL 110.9)

CLUB NET

Thursdays, 7:30PM, W6EK/R
145.430

CLUB MEETINGS

Second Friday of the month,
7:30PM at the Auburn City Hall,
1215 Lincoln Way, Auburn CA

CLUB BREAKFAST

Last Sat of the month at Mel's Diner
1730 Grass Valley Hwy, Auburn 7:30AM

NET CONTROL OPS

Dave Jenkins, WB6RBE
Casey McPartland, W7IB
Orion Endres, AI6JB
Al Martin, NI2U

NEWSLETTER EDITOR

Barbara Anderson, W6EVA
anderson51@wavecable.com

WEBMASTER: Herb Garcia, KM6JBI

VOLUNTEER EXAMINER

Al Martin, NI2U

Calendar of Events

June 6th:

SEA-PAC QSO Party
9:00 am - 9:00 pm PDT
(See page 6 for details)

June 12th:

On-line Club Meeting
@ 7:30 PM
(Instructions on how to
join the meeting are in
Brian's column)

June 27th:

Club Breakfast

June 27th & 28th:

Field Day

Join us every morning starting
at 7:30am for the Coffee Break
Net on the W6EK repeater
145.43, PL 162.2

Inside this issue

- *President's Message*
- *Club Breakfast group photograph*
- *Field Day information*
- *Let's Get Creative This Year on Field Day*
- *SEA-PAC QSO Party details*
- *Board & General Meeting Minutes*

We encourage members to receive Sierra Signals via email to save the Club the cost of reproduction and mailing

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President's Message

*By Brian Gohl – AI6US,
President*

Our community slowly begins to reopen during the continuing Covid-19 pandemic and we are carefully evaluating club events and the evolving state orders. As of the writing this letter, Saturday's breakfast on May 30th at Mel's Diner in Auburn has been scheduled and we are looking forward to seeing each other once again! We encourage each member to consider what is in the best interest for their health and for those around us as we decide whether or not to meet in person. All SFARC members are invited to the June 12th Online Board Meeting at 6pm as we discuss offering face to face events, alternative meeting days and locations for our future club meetings.

ARRL Field Day June 27-28

Big News! The ARRL has made a few rule changes for 2020 to facilitate aggregate club scoring and class D contacts. I am glad to see the ARRL recognize the importance of the membership team effort to produce a club score and not limiting the stations that may be logged. Please review the Groups.io SFARC Wiki or the ARRL website for details on these rule changes and how they will affect our club score submission.

A big thank you to Orion, AI6JB for leading the SFARC Field Day planning and developing the Groups.io SFARC Field Day Wiki. The Wiki provides an overview of the event and the activities planned for club members and visitors. Thanks to all who participated in the FD committee! We have come up with some creative ideas for providing a fun club experience as we individually participate and work towards a club score. Club prizes will be awarded for ARRL points, most contacts, most cw / voice or digital, a special club category for a new licensees or visitors operating under a control operator and making at least 5 radio contacts, best photos or Facebook postings, etc. Learn more about our Field day plans at <https://w6ek.groups.io/g/sfarc/wiki> and read Orion's Field Day article in this newsletter.

Maybe you will be operating from your home shack, in your back yard on emergency power in a local park on batteries or from zero noise land on a mountain top. Be part of the club Field Day experience! Let us know where you will be operating from and if visitors are invited to stop by to observe. Drop in to the 24 hour ZOOM room hosted by Gary, KB7QWC and the 27 hour W6EK 2 meter net, hosted by yours truly Brian, AI6US. Share your FD experience and tell tall tales of the contacts that got away. Check out the W6EK.org website on the days leading up to Field Day for details.

Club Meeting June 12

Join us on June 12th at 7:30pm for our next online club meeting. Orion, AI6JB will give a presentation on antenna modeling using free software and we will go over Field Day planning.

We want to make sure that all members and guests are comfortable with joining the meeting and are able to participate. If you have any questions about how to use GoTo Meeting, please contact any of SFARC board members and we will arrange assistance. Please be sure that your name and call sign are correctly displayed when you log in so we will have an accurate record of attending members.

Click on this link to join our meeting from your computer, tablet or smartphone:

<https://global.gotomeeting.com/join/423173365>

You can also view the meeting online and dial in using your phone to vote.

(872) 240-3212 then enter this access code when prompted: **423-173-365** or

One-Touch Telephone: **+18722403212,,423173365#**

W6EK Coffee Break Net

More and more folks are starting off their day with the Coffee break Net. Join us every morning from 7:30 to 10am on the W6EK repeater 145.43, PL 162.2. A fun way to start your day! If you are interested in hosting the Coffee Break for a single day or part of a weekly schedule, please let me know. Would love to have a few more operators taking part in this fun morning activity.

Looking forward to talking with you again, a little further down the logbook!

Until then, 73

Brian Gohl – AI6US

SFARC President



Club Breakfast – Mel's Diner
Saturday May 30, 2020



ARRL Field Day 2020 – June 27-28, 2020

ARRL Field Day 2020 is this month! June 27th – 28th. The event runs 24 hours from 11:00 AM Saturday to 11:00 AM Sunday.

Field Day is the biggest annual ham radio event in North America. It occurs on the fourth full weekend of June every year since 1933. With over 40,000 participants, it is perhaps the most popular ham radio event in the US. The ARRL says it is essentially our “Open House” where we showcase ham radio’s science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills in a single event. What they left out is it is REALLY A LOT OF FUN!

This year the SFARC will NOT be holding our annual event up at Blue Canyon Airport due to the challenges the Covid pandemic pose. Instead we are encouraging all members to participate safely as individuals or in small trusted groups. Even the ARRL has made changes to encourage hams to Get On The Air! First, they changed the rules so 1D stations may contact other 1D stations and get the points. Second, they will post aggregate Club Scores. This means the scores of individual stations who declare themselves as a member of a club will be summed together for an aggregate Club score. These aggregate scores will be published in QST along with the individual scores. So, the pride of Sierra Foothills ARC is at stake. We need everyone to Get On The Air.



This year we will have prizes and accolades for those who distinguish themselves in the following areas: Most Contacts, Rookie Award, Photo Contest, Social Media, Most Bands and Modes, and highest ARRL Field Day Scores. Each prize will have a Gold, Silver, and Bronze Certificate winner to proudly display on your “I Love Me Wall”. Prizes will be ARRL Gift Certificates, local restaurant gift cards, ARRL Mugs and pins, and ferrite toroids. For more details, see our Prizes, Prizes, and Prizes! Webpage on our Groups.io Wiki at <https://w6ek.groups.io/g/sfarc/wiki/20776>.



Year after Year SFARC members have said they enjoy the social activities of Field Day the most. If you haven’t been to one of ours, there is camping, working together to erect antennas and masts, sharing espresso, Friday Night at the radio working DX while sipping your favorite beverage, Saturday night pot-luck, and last year Dustin, W6YUE, in true Field Day emergency preparedness with his go anywhere margarita blender powered by his car’s air conditioner. The Field Day Committee put our heads together and came up with a couple of ways we think we can bring the Social back into this year’s Field Day.

First, Gary, KB7QWC, will be coordinating a ZOOM Room that will run the full length of event. You’ll be able to see and hear each other, swap stories, and share spots. Even though we can’t be physically together, at least our electrons can mingle.

Second, Brian, AI6US, will host a net on our 2m repeater. It is another opportunity to connect with each other if you don't have internet access. Both Gary and Brian need volunteers to take blocks of time. Please help them out and email them with your availability. If we share the load, everyone will have time to enjoy Field Day.

All the Field Day information is posted on our Groups.io Wiki at <https://w6ek.groups.io/g/sfarc/wiki/20755>. We even have answers to FAQs posed by members. As new information comes up, we'll update the page.

Starting on Thursday, June 4th, we will have a Field Day question and answer session after our 2m net on GoToMeeting. If you need help, we'll be there. Everyone is invited. Check out the Club calendar on Groups.io for the access code.

I am looking forward to another awesome Sierra Foothills ARC Field Day!

Hope to hear you on the air!

73

Orion Endres, AI6JB

AI6JB@arrrl.net

KB6NU's Ham Radio Blog

Let's get creative this year on Field Day

By Dan Romanchik, KB6NU

Since many of us are still hunkering down, and that doesn't look like it's going to change much by the end of June, Field Day is going to be a lot different this year. Our club has cancelled our club event, and I'm really going to miss helping newcomers operate the GOTA station, the food, and all the camaraderie. That doesn't mean that Field Day can't still be fun, though. Let's get creative!

First, note that the ARRL has modified the Field Day rules for this year. The biggest change is that Class D stations, that are home stations using commercial power, can now work other Class D stations for points. Previously, this wasn't allowed.

The second change is that the ARRL will publish aggregate club scores this year. In previous years, this was only done for Class A and Class F entries. Remember, though, Field Day isn't a contest (yeah, right!).

Personally, I plan to operate 1B-Battery. I'm going to set up my KX3 on the front deck and power it with a LiFePo battery charged by a recently-acquired solar panel to get the 100 point bonus for alternate power. For an antenna, I plan to set up my 20m/40m fan inverted-V "GOTA antenna" in the front yard.

I'm going to shoot for other bonus points, too:

- copy the bulletin—no brainer.
- promote my location on social media. I am going to get on NextDoor and invite neighbors over to watch from an acceptable “social distance.”
- put some literature down at the bottom of the hill near the street and claim a public information table.
- send a press release to the local online paper and claim a media publicity credit.
- perhaps get someone under 20 to come and operate while I coach from an acceptable “social distance.”

If Class B isn't your cup of tea, check out the presentation, "Field Day and Social Distancing," (https://docs.google.com/presentation/d/e/2PACX-1vSWypTtJ_R0s-UmysOEhQWwJwBlMrOavXqfs5AvigQzad8Z1c3JFn9TMI5ewxc8VVIX-2g6bOTpUFD/pub?start=false&loop=false&delayms=3000&slide=id.g774df1657a_0_39) by Anthony, K8ZT. It has a lot of great ideas, including ideas on how to operate mobile (Class C).

Field Day doesn't have to be a downer this year. Get creative and have some fun.

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Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the “No Nonsense” amateur radio license study guides (KB6NU.Com/study-guides/), and often appears on the ICQPodcast (icqpodcast.com). When he's not thinking up ways to make the lives of the NCVEC question pool committee more difficult, he likes to build stuff and operate CW on the HF bands.

2020 - SEA-PAC QSO PARTY

Saturday June 6, 2020, 9:00 AM to 9:00 PM (PDT)

Contact: Ron O'Connor, KD7VIK ronocon@frontier.com



We may not be able to be with our 2,000 + fellow Amateur Radio Friends this year on this day, but we can still have a “Ham-tastic” time on the airwaves!

Categories:

HF: SSB, CW, Digital - QRP, <150 watts and High Power.

VHF/UHF: All bands, all modes, <50 watts and >50 watts.

Exchange:

The contest exchange is signal report and the first year you attended SEA-PAC (Example: 59 - 2003). For people yet to make it to the convention it's signal report and “2020”. (I.E. 59 - 2020)

Special Award recognition and bragging rights include:

- Any station working more than 100 contacts.
- Most past convention attendees contacted.
- Most States worked. (how about a 1-day WAS!)
- “Best” DX contact.

We encourage you to let us know you are planning to take part. A summary report form will be provided. Logs not required.



BOARD OF DIRECTORS MEETING MINUTES

Video Conference “Go to Meeting”

May 8, 2020 @ 1800

Officers in Attendance:

President-Brian/AI6US, Vice-president, Greg/KO6TH, Secretary-Michele/WH7QC, Treasurer-Jeff/KM6RGO, Directors-Wayne/W6DT, Gerry/WA6E, Nathan/N6NDC.

Attendees:

Clyde/AB4CC, Dennis/WU6X, Jef/N5JEF, Jerry/W6GU, Mike/N6MRP, Bob/K6UDA, Gary/KC3PO, Herb/KM6JBI, Jim/KQ6VP, Mike/KK6RXY.

Committee Reports

Repeater (Station Trustee): Clyde/AB4CC suggested the Club purchase an FTM-100 and an HRI-200 as a back-up. We have a loaner from Scott/KK7AIR which is having some problems but can be resolved. Clyde said we should keep the Repeater on the air 24/7. The FTM-100 and HRI-200 are selling for about \$400 and can come out of the Repeater fund. We should have one for back-up—the loaner from Scott, and we should purchase the other one. Greg/KO6TH motioned and Gerry/WA6E seconded it for the Club to purchase the back-up at the about \$400 needed. Clyde will work with Scott to work on a warrantee on Scott’s loaner.

Volunteer Events: Mike/N6MRP announced that the Tevis Cup for August 1 has been cancelled and the Gravel Grinder is to be rescheduled.

Membership: Jeff/KM6RGO announced that the Club has 116 members with one new/renewal.

Newsletter: Barbara/W6EVA recently returned from New York and always does an excellent job with the newsletter.

Website: Herb/KM6JBI was not present.

Picnic: Roy/WH7DH and Michele/WH7QC-The picnic is scheduled for September 9 at the Applegate Park. Perhaps we can have servers use gloves and masks. Brian/AI6US suggests the Field Day monies can go toward the picnic.

Field Day: As a “Plan B”, the committee plans for an at-home event due the present COVID-19 situation. Members will participate as individuals. The Forest Service has received, but not approved the Club’s plans to meet up at Blue Canyon for Field Day. We should pull back our request due to the current circumstances. It was suggested that a Field Day meeting be open to the Club members to discuss ideas of the Field Day. A date for Tuesday, May 19 at 6 pm for the meeting.

Greg/KO6TH has set up Orion/AI6JB to give the June General meeting’s presentation which Orion has consented.

Old Business

Christmas Party: Jim Jupin/WA8MPA volunteered to chair!

By-Laws Review: Gerry/WA6E submitted changes to Brian and Nathan/K6NDC. An email is appropriate for the board members to approve items rather than having to meet face to face. Nathan will reach out to the rest of the committee of Gerry's recommendation. Also recommended is \$150 usable amount up to \$250 that the board can ok to utilize for emergencies.

Groups.io: Many thanks to DennisWU6X, Nathan/K6NDC, and Herb/KM6JBI who worked together to move all the photos from our site to the temporary site and into Dropbox now. The photos are in blue folders with title and people can add comments to the photos. Anyone can acquire Dropbox account and upload, but Dennis has control over the Groups.io site. He mentioned that the site takes a little maintenance, but it's not too bad.

The request to remove the YouTube video was removed Greg/KO6TH reported, so case closed.

Repeater Lease: Gerry wrote a nice letter regarding the lease renewal. We are lying low for now due to the COVID-19 situation and the schools.

New Business

Hamfest: Chair, Orion/AI6JB announced that Hamfest 2020 is postponed. He called the President of Western Placer ARC, but no response. Orion suggests we cancel and just plan for 2021. As to the prizes that would be used for the Hamfest, some will expire by that time, but others can be door prizes for another event. They are of a \$25-30 range. The ARRL gift cards can be used for Field Day. The expensive items can be saved for Hamfest 2021. Should we have the FT 7DR for the Christmas party?

Nomination Committee: Chair, Herb/KM6JBI reported that he will ask around for interest in nominating members for positions.

Website: Chair, Herb announced that the website is doing well and that he is taking some classes to expand his skills in that area.

VE Exam: Chair, Andrew/K6OP was not present. Bob/K6UDA just got trained as trainers for VE's. Exams are being done via ZOOM and the like. Test takers need a web cam on their computer and a second one on their phone. Examiners can see folks taking exams and check arms, notes on walls etc. to aid in possible cheating on the exams. Test takers would pay their test fee of \$15 via a site such as PayPal. Examiners would do only one person at a time and maybe do people back to back in one day, or weekly. There are different ways to handle the testing and the testers can have control how people make appointments to take the exams.

The board meeting adjourned at 1900 hrs. Submitted by Michele Bauer/WH7QC.



GENERAL MEETING MINUTES

Video Conference “Go to Meeting”

May 8, 2020 @ 1930

President Brian/AI6US called the “Go to Meeting” was called to order promptly at 7:30 pm with a welcome to all members and guests.

Introductions of officers with all present:

President, Brian/AI6US, Vice-president, Greg/KO6TH, Secretary, Michele/WH7QC, Treasurer, Jeff/KM6RGO, Directors, Gerry/WA6E, Nathan/K6NDC, and Wayne/W6DT.

Members and guests present:

Roy/WH7DH, Rich/AA6RS, Clyde/AB4CC, Jeff/AB6MB, Orion/AI6JB, Earl/K6GPB, Rich/K6NYC, Bob/K6UDA, Gary/KB7QWC, Gary/KC3PO, Jacqui/KF8HB, George/KG6LSB, Mike/KK6RXY, Dan/KK6WCG, Steven/KK6YXC, Herb/KM6JBI, Bill/KM6LNR, Phil/KM6NFS, Erez/KM6TVV, Jim/KQ6VP, Jef/N5JEF, Carl/N6CKV, Bob/N6EMS, Mike/N6MRP, John/N6UTT, Marv/N7MSM, Chris/NN6CC, Jerry/W6GU, Dustin/W6YUE, Jim/WA8MPA, Don/WB6LPJ, Dennis/WU6X, Andres/K6OP, Jeremiah/W6DLO, Glenn/KK6RGQ, Orson/KG6UCS, Loren/WA6LMZ, and Richard/WA6RWS.

- Anyone in need of an Elmer, please reach out to us.
- There were no new upgrades or licenses.
- The March minutes were accepted as submitted.

Chair Reports

Repeater (Station Trustee): Clyde/AB4CC reported that the Club owns a FTM-100 for a Hamfest prize, which is now a discontinued item. We need a spare radio along with an HRI-200 for the repeater system. Request \$400 to repay Orion/AI6JB for the FTM-100 and purchase HRI-200. Greg/KO6TH moved and Bob/K6UDA seconded to spend this money. Jeff/KM6RGO said we have about \$6,600 in our account. It was a unanimous vote to move forward for the back-up repeater node.

VE/Exam: Andrew/K6OP was present; however, his mic was not working.

Bob/K6UDA gave an update: He and Andrew did an online session two weekends ago. They trained to do online testing. The goal is to serve more of our local area, rather than out of state folks. Andrew says we should be open for June and appointments will be taken in June—locals first.

The VE exam takers will need a Web cam on their computer and a Web cam on their phone as well. The examiners will check for crib notes and other screens, etc. The VE and exam takers need to have everything before taking the test. Jeff/KM6RGO is handling the online payments.

Hamfest chair: Orion/AI6JB announced that the Hamfest is cancelled so the Club will aim for the Loomis Hamfest 2021. Also, the prizes that were intended for the Hamfest will be held and rolled over to the Christmas party which is scheduled for December 12, 2020.

- Jim Jupin/WA8MPA just tonight has volunteered to chair the Christmas party! Hooray! Thank you, Jim! We will need committees for decorating, refreshments, setting up, cleaning up, and publicity. Please contact Jim to help.
- Club has items for sale. Please contact Jim if you are interested in purchasing.
- Field Day 2020 will be on an individual basis this year, but ARRL rules will apply. At the June Club Meeting FD events will be discussed. Prizes will be available for such things as who gets the most contacts and who is running on emergency power. We will operate as individuals, but it will be a fun time! May 19 at 6 pm will be a “Go to Meeting” planning meeting for the Field Day event.

TEC TEN

“Backyard Astronomy and Ham Radio” by Greg Dolkas/KO6TH

Greg gave a very interesting presentation on astronomy, relating it to Ham radio, both of which he’s had a keen interest in for many years. He shared wonderful pictures and his obvious love of both topics. What does Astronomy have to do with Ham radio? Both hobbies can be rather expensive! Ok, other than that, nothing. But then, actually everything! “Astronomy is experiencing and participating in the unseen and unknown. Ham Radio is experiencing and participating in the unseen and unknown.” Greg gave us the challenge to experience and participate in the unknown ourselves. There are new bands, new ways to operate, new technologies, old technologies—a new way to utilize your skills—new roles. “What are you going to do?”

Great presentation Greg! (*The video is up on SFARC YouTube channel*).

PROGRAM

NVIS

Jef Albright/N5JEF

Jef presenting the Club a very fascinating power point on NVIS.

What is NVIS? Near Vertical Incidence Skywave. The waves travel vertically. Who uses NVIS? DHS/FEMA, US military, Red Cross, Homeland Security, ARES Net, California Rescue Communications, California Amateur Radio, Salvation Army, Western Public Service Syster, West Coast Swap Net, and many more.... NVIS has been around quite a long time and was key to the Allied D-Day plans, used in Vietnam to mitigate effects of heavy foliage, our modern military uses--and more!

Summary for Jef’s presentation: NVIS provides robust local and regional communications, out to 300+ miles, with no skip zone—regardless of terrain such as mountains and canyons and independent of infrastructure such as repeaters.

Frequencies for NVIS are chosen according to ionospheric conditions. A good rule of thumb is to use:

- 75 meters after sundown and into early morning
- 40 meters after the sun has been up a while
- 60 meters in between

Antennas for NVIS are optimized for high take-off angles. Horizontally polarized antennas between 1/8 and ¼ wave above ground generally work well, so 30 feet is a good height for 80 through 40 meters. Thank you, Jef for your very informative and well-prepared presentation! The video is up on SFARC YouTube channel.

More Chair Reports

Sunshine: Richard/WA6RWS reported that Al/N12U is back home. Please reach out to him. We've been hearing him on the Ham lately. It's been great to hear you, Al!

VE: Andrew/K6OP and Carl/K6CKV and Bob/K6UDA—thank you so much for staying on top of VE and helping the efforts in getting people licensed and upgraded in their Amateur Radio!

Volunteer Events: Mike/N6MRP announced that the Tevis Cup has been cancelled.

Satellite: Greg/KO6TH reported on Amsat.

Website: Herb/KM6JBI had no report at this time.

Groups.io: Dennis/WU6X announced that there are now 151 members on the group. It is like a "chat" room. You will find the link. Photos have now been moved to "Dropbox". Nathan/K6NDC extracted many of these photos and transferred them to Dropbox. You can also upload photos to Dropbox and you can get a free Dropbox account through Groups.io. The more you do this, the better. Many heartfelt thanks to Dennis, Nathan and Herb for all their tedious and tireless efforts in handling the transfer of our photos! Dennis added that if you post items to sell on the site, please remove them after the sale.

Membership: Jeff/KM6RGO announced that we have 116 members in the Club, including two new members.

ARES: Carl/N6CKV reported on our recent exercise held on 25 April.

Library/Equipment: Jim/WA8MPA we are not in a position at this time to loan out library materials.

Announcements

Thursdays at 7:30 pm is Club check-in

Wednesdays at 7:30 pm is Elmer Net

Every morning from 7:30-10:30 am is the "Coffee Break Net", hosted by Brian/AI6US with

Wednesday's host, Don/WB6LPJ and Saturday's Orion/AI6JB. Come join the fun!

Our next SFARC "Go to Meeting" video conference will be June 12.

Our meeting was adjourned at 2145 hrs. Submitted by Michele Bauer WH7QC



SIERRA FOOTHILLS AMATEUR RADIO CLUB

P.O. Box 6421, Auburn, CA 95604

2020 MEMBERSHIP APPLICATION

Name: _____ Call: _____ Class: _____ e-mail: _____
 Address: _____ City: _____ State: _____ Zip: _____
 Associate Name: _____ Call: _____ Class: _____ email: _____
 Phone: _____ Cellphone: _____ Application is: (New / Renewal) _____

Dues / Donations:

Membership: yearly* \$22.00 or 20x _____ Name Badge: \$ 10.00/15.00 Yes (special name) _____
 Associate: yearly* \$ 7.00 Repeater Donation: \$ _____
 Auto Patch Donation: \$ _____ Newsletter Booster: \$ _____
 Misc. Donation: \$ _____ Christmas Donation: \$ _____ ARRL member? (Yes/No/Life) _____
TOTAL: \$ _____ **Please add \$1 if paying via PayPal**

*Prorated dues for NEW Members/Associates Only

July \$ 20 /6
 August \$ 18/5
 September \$ 16/4

October \$ 14/3 + following year
 November \$ 12/2+ following year
 December \$ 10/1 + following year

New- - - New - New -
 Multi-year DISCOUNT Membership
 *\$20 per year for 2 or more years (new or renewal)

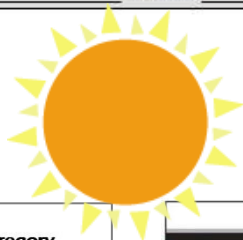
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