



HARMONICS

1916 South Jersey Radio Association 2020



President's Message

Ken- K2WB



At the writing of this column the SJRA will be almost 104 years old. It is a privilege being part of the next 100 years of the new history of the SJRA.

Our Field Day operation has always been world class. Sadly, this year we will not be doing our normal 7A operation. Instead we are going a little rogue, breaking the 1000 ft rule, Members can operate from their own stations as K2AA. Or come to a few stations that will be setup at different locations. Please visit our website at www.sjra.org for details. The club needs all the support it can get to make this operation successful in this pandemic environment.

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By-Laws Revisions

The Bylaws Committee has finalized the revisions to the Bylaws and presented their revisions at the April General Meeting. A second presentation of the proposed amendments was done at the May General Meeting.

These revisions will be voted on during the June General Meeting held on June 24th via a roll call vote. In order to be officially adopted, approval by a two thirds majority vote by the general membership is required. All members in good standing are eligible to vote.

The Bylaws Errata and Bylaws Rev -6 final document can be downloaded and reviewed at: https://www.dropbox.com/sh/613oej2te32y4hd/AACp4IMWwJPJLS6_d4dgFU7ja?dl=0.

We would like to thank the Bylaws Committee for their time.

SOUTH JERSEY RADIO ASSOCIATION

HARMONICS is published monthly and is the official news letter of the South Jersey Radio Association. The SJRA was established on June 12, 1916 and has been meeting continuously since it's inception. The club has been affiliated with the American Radio Relay League since 1920.

The SJRA meets each month on the fourth Wednesday, January through September; and usually the third Wednesday, October, November and December; in one of the Meeting Rooms of the Gibson House at 525 East Main Street, Marlton, NJ 08053. Visitors are always welcome at our general meetings. **"Our Meetings are Smoke Free"**

SJRA operates the K2AA Repeater (145.290 - PL 91.5) located in Medford, NJ and the K2UK Repeaters (146.865 and 442.350 - PL 131.8) located in Pine Hill, NJ. The repeaters are open for use without restriction to all licensed amateur operators.

There are currently over 100 SJRA members active in most all aspects of amateur radio. Membership is by application and is subject to the approval of the Board of Directors. Club dues are currently \$30/yr. for memberships, \$22.50/yr. for retired-person membership (62 plus 1 yr. membership), and \$15/yr. for additional family members and student membership. Membership information is available on the SJRA website: www.sjra.org or from Art Arnold, N2CPR, Email: membership@sjra.club. SJRA's web page: www.sjra.club

SJRA VE Team: ve at sjra.club is the SJRA/ARRL VUCC card checker

Joe Fisher, KC2TN, is the SJRA/ARRL WAS card checker.

 ★ Harmonics is now available for SJRA members on the WEB in pdf ★
 ★ format at: <http://www.sjra.club> ★
 ★ South Jersey ARRL Section News is available on the WEB at: ★
 ★ <http://www.arrl.org/Groups/view/southern-new-jersey> ★
 ★ *****

Officers:

President: Ken Botterbrodt, K2WB
Vice Pres.: John Doran, W2FDJ
Treasurer: Roy Herman, WB2EOD
Rec. Sec: Carl Hyde, W2CSH
Cor. Sec: Dennis Cioffi, AC2FO

Directors:

Art Arnold, N2CPR
 Tony Canuso, N2ATB
 Holden Correia-Fisher, KD2JVP
 Matt Grohans, N2IDW
 Rick Lawn, W2JAZ
 Frank Longbottom, AA2AW
 Al Witner, N3AVT

Committees:

Historian: Mark Walters, KD2JPW
Membership: Art Arnold, N2CPR
Field Day: Ken Botterbrodt, K2WB
Contests: John Doran, W2FDJ
Repeater: Robert Sunbury, K2UQ
Programs: Carl Hyde, W2CSH
H&W: Roy Herman, WB2EOD; and Dara Herman, KC2THQ
Awards: **Vacant (Please Volunteer)**
Hospitality: Jean Priestley, KA2YKN
Nets: Matt Grohans, N2IDW
Publicity: John Johns, KD2RKA
Picnic: **Vacant (Please Volunteer)**
Ways & Means: Roy Herman, WB2EOD
Property: Frank Longbottom, AA2AW
Web Site: Ken Botterbrodt, K2WB
Harmonics Staff:
Publisher/Editor: Al Ziegler, KD2ST
Alternate Editor: Ted Groke, N8MP
Circulation: Jim Vecchiola, KR2T

LOCAL WEEKLY NETS (See Website for latest updates)

Mondays FM Net	K2AA Repeater, PL: 91.5	145.290 @ 8PM
Fusion on 2 ND & 4 TH Thurs.	K2AA Repeater, DN mode	145.290 @ 8PM, Fusion
6M SSB on 1 st Thurs.		50.150 MHz USB @ 8PM
2M SSB on 3 RD Thurs.		144.260 MHz USB @ 8PM

Harmonics Deadline

Articles submitted for the next Harmonics will be accepted until Monday, July 6, 2020. Email:

harmonics@sjra.club

SWAP SHOP - For Sale/Wanted ads are free of charge and are accepted for Amateur Radio related items only. While ads are not restricted to SJRA members, there is only limited space available and members have priority for listings. No items will be accepted for inclusion in the Swap Shop from commercial vendors or traders. All ads must be submitted at least three weeks prior to the scheduled SJRA general meeting date.

GENERAL ADVERTISING - Limited commercial advertising is accepted on a space available basis. Annual advertising rates range from \$25/yr (Min 1/8 page) to \$200/yr (Full Page). Information is available from Ken Botterbrodt, K2WB.

SJRA Field Day 2020 de K2AA 7D SNJ

AI – KD2ST



Logo Credit: ARRL

All licensed SJRA members are invited to participate in this year's ARRL Field Day on June 27th and 28th. There are several options available to SJRA members and the SJRA Field Day Committee has developed a flexible game plan for this year.

Members with their own HF equipment can participate at their QTH. In addition, the SJRA will have two locations available with fully equipped HF stations. Both locations will follow COVID 19 protocols including allowing only one operator at a time, have hand sanitizer available and will sanitize the station between different operators.

The two locations are Ken's (K2WB) QTH in Marlton and Al's (N3AVT) QTH in Sicklerville. Ken will have his trailer T4 set up in the driveway and Al, N3AVT is planning on having a station available.

If you would like to participate at either Ken's or Al's QTH- the process is easy. Just go on the SJRA website www.sjra.org, click on the Field Day Tab (Field Day Operations) on the top of the home page. Once on

the Field Day Operations webpage, review the operator schedule to check for available times on the band and mode you would like to operate. Then click on the field day timeslot request button and your timeslot request will be sent to the band captain which will then fill in and update the operator schedule. Also mention that you would like to operate from either Ken's or Al's station.

That is all you need to get scheduled for either of the two stations. Both stations will be fully configured in advance with N1MM+ logging software and connected to the Hamachi VPN which will allow all SJRA operating stations to be connected in real time for logging purposes. By using either station, members will not have to be concerned with programming logging software.

Please note that if you plan to operate SSB from either of the two stations you will need to bring your own headset and face masks due to COVID-19 concerns.

Another option available is the K2AA remote station which can be used anywhere internet service is available. Please see Rick's (W2JAZ) email regarding details for using this station.

For members that would like to operate from their own QTH the process is a little more involved but not difficult. Operators will need the following equipment & software:

- A 100-watt HF rig.
- HF antenna- can be anything from a simple wire antenna to a tower or anything in between.

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(SJRA Field Day Continued from page 3)

- A computer or laptop running Windows 7 or 10.
- We will be operating as 7D instead of 7E so operators will NOT need to use an emergency generator.
- The latest version of N1MM Plus (Free software) which can be downloaded from: <https://n1mmwp.hamdocs.com/>
- Hamachi VPN v. 3.2 software (free software). Bob, KE2D prepared an excellent guide to setting up N1MM+ and Hamachi VPN for field day 2020 which can be downloaded from our website.
- For CW operators, a K1EL Winkeyer is recommended but not required.
- For digital operators, a rig with a built-in sound card or separate Signalink or RIGblaster or other sound card interface will be required.

If you are interested in operating from your home station, and have the above equipment and software, please sign up for a time slot on the website field day operations page. Please sign up early and install the N1MM Plus and Hamachi VPN software well in advance of field day to allow for verifying that the software works and provide time to troubleshoot any issues. The band captains can provide limited remote assistance prior to field day if you have any questions via phone calls, email, zoom meeting and TeamViewer remote desktop software. However, it is recommended that you have some prior experience with N1MM+ logging software. Also,

if you plan on doing any digital mode communications that you have prior experience with the applicable digital software (WSJT-X or RTTY and PSK31 software). Due to the anticipated workload, the band captains will not be able to provide extensive assistance once field day starts and will only be available for limited emergency requests.

The band captains this year are:

BAND CAPTAIN	MODE	BAND(S)
Carl, W2CSH	SSB	75, 15 & 10
Ken, K2WB	SSB	40
Dennis, AC2FO	SSB	20
Al, N3AVT	CW	80, 15 & 10
Bob, KE2D (2 stations)	CW	40 & 20
Al, KD2ST	DIGITAL	80 - 10

Either visit the web page or send an email to **fieldday AT sjra DOT club** to get into the schedule. The Field Day team will try to be as responsive as possible.

MISCELLANEOUS ITEMS:

- Sign up early to get your preferred time slot. All requests are on a first come first served basis.
- The Field Day Committee will host a virtual meeting open to all SJRA members to go over the software installation
- The Field Day Exchange is 7D SNJ.

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(SJRA Field Day Continued from page 4)

- Even though members will be using K2AA for their call sign, all operators must operate within the privileges assigned to their license level. For example, generals cannot operate in the extra class band space. All stations will be operated in accordance to all FCC rules and regulations.
- Don't forget to change the operator call sign in the N1MM+ logging software to your call sign when starting a session so that you get credit for your efforts.
- If operating from your own station, take some photos of your shack for the SJRA website and social media. Better yet take a photo while wearing your SJRA 2020 Field Day shirt!

2020 SJRA Field Day has the potential to be very successful due to the extensive planning by Ken and his team and the implementation of integrating the contest logging software in real time across multiple remote stations. Field Day is historically the biggest event of the year for the SJRA with about 70 participants coming out in previous years. Please support your club by signing up for operating time (even if you can only fit in an hour or two) at either the two stations, K2AA remote station, or at your own QTH to keep the SJRA Field Day legacy going!

This is the year to get involved and become part of the fun!!

(President's Message Continued from page 1)

Please visit the website and volunteer some time. Time slots are a first come first serve basis. All you need is a working 100W station from home, computer, and the internet. In order to get the coordination and sharing logs you would have to join our many sessions on running the VPN software and N1MM+.

Please sign up early, our goal is to have seven transmitters on at the same time. Because of the configuration concerns this is one not to wait until the last minute.

Our Virtual meetings are doing well, it is an interesting format that will most likely stay with us for a while. Three meetings have been conducted with practice sessions. At this point, there will not be any more Tuesday WebEx practice sessions. Just the normal meeting invitation. Also, meeting credentials will be on the SJRA Web Page on the calendar.

The next meeting should prove interesting, since we will be voting on the updated bylaws. The changes have been reviewed twice. Because of the Virtual meeting, there will be a roll call vote.

That is all for now,

Be safe (including socially safe).

73's

Ken K2WB

SJRA 2020 FIELD DAY BONUS POINTS

AI- KD2ST

The SJRA has a long history of being a top field day club and we will attempt to do so this year under vastly different circumstances. One of the Club's assets has been in maximizing the bonus points available in past Field Days.

Our goal this year is to attempt as many bonus points as possible as if we were operating a Class A entry under emergency conditions. Our plan is to earn the following bonus points:

- **Media Publicity:** 100 bonus points.
- **Public Information Table:** 100 bonus points. We will have a table set up outside Ken's trailer with club literature.
- **Message Origination to Section Manager:** 100 bonus points.
- **Message Handling:** 10 points for each formal message originated, relayed, or received and delivered during the field day period, up to a maximum of 100 points.
- **Satellite QSO:** 100 bonus points.
- **Alternate Power:** 100 bonus points. Ken will set up his solar power system and attempt to make a minimum of five QSOs.
- **W1AW Bulletin:** 100 Bonus points for copying the special field day bulletin transmitted by W1AW.

- **Educational Activity Bonus:** 100 points. We will most likely accomplish this using zoom or Webex video conferencing.
- **Site Visit by An Elected Government Official:** 100 bonus points. We will invite local official's to Ken's T-4 station for a photo op.
- **Site Visitation by a Representative of an Agency:** 100 bonus points.
- **Field Day Youth Participation:** A 20-point bonus (maximum of 100) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO. This is a great opportunity to introduce Ham radio to children or grandchildren or other youth family members.
- **Social Media:** 100 Bonus points.
- **Safety Officer:** 100 Bonus points. Frank, AA2AW will prepare a safety questionnaire and distribute it to all operators.
- **Web submission:** 50 Bonus points.

From the above list we can earn a maximum of 1,350 bonus points.

We will need some help in securing the above bonus points. If anyone is interested in volunteering or assisting in any of the above categories, please contact Ken, K2WB or AI, KD2ST so we can coordinate our efforts.

Radio Sport aka Contests

John, W2FDJ, johnd152 at Verizon dot net

Member's Activities:

Please send your thoughts and ideas to me at [johnd152 at Verizon dot net](mailto:johnd152@verizon.net) for publication.

CQ WW WPX CW Contest (was May 29-31).

Name	#Q'S	Prefix	Points
John, W2FDJ	433	283	248,757
Dom, KD2EPM	232	172	66,220
Al, KD2ST	150	107	22,256

Upcoming Contests – see arrrl.org or contestcalendar.com for rules and more details. Also check the calendar on SJRA website for the latest and links to the contest rules.

Every Tuesday only

Phone Frey 10:30-11pm. (yes 30 min)
(ten weeks – 4 times a year).

Every Wednesday only

CWops Mini-CWT test 9-10am, 3-4pm,
11pm-12am (three one hr. sprints).

Every Thursday only

NCCC Sprint 10:30-11pm. (yes 30 min.).

Every Thursday only

NCCC RTTY Sprint 9:45-10:15pm. (30 min.).

ARRL June VHF Contest: 6/13-14, Sat 2pm EDT to 11 pm Sun. VHF, All modes.

ARRL Kids Day: 6/20, Sat 2pm EDT to 8pm Sat. HF + 2m rpt. SSB + 17, 12 mtrs.

ARRL Field Day: 6/27-28, Sat 2pm EDT to 5pm Sun. HF; All.

Looking Longer Range:

North American QSO Party, RTTY: 7/18-19, Sat 2pm – 2am Sunday. HF – RTTY.

North American QSO Party, CW: 8/1-2, Sat 2pm – 2am Sunday. HF – CW.

World Wide Digi DX Contest: 8/29-30, Sat 8am – 8am Sun. HF – FT4/8

North American QSO Party, SSB: 9/15-16, Sat 2pm – 2am Sunday. HF - RTTY.

50 Mhz Fall Sprint: 8/22, Sat 7pm EDT to Sat 11pm. 6 mtr . Mode not specified.

ARRL Sept VHF Contest: 9/12-14, Sat 2pm EDT to Sun 11pm. 50 Mhz and up. All modes.

New Members

The SJRA would like to welcome the following new members to our Club:

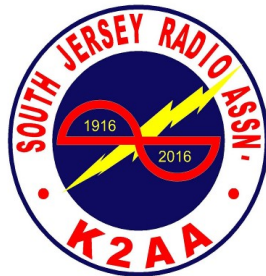
- Jay White, KD2RPX
- Steven Farney - WB2VFJ
- Fred Lamberti. - KE3NP
- Robert Matter - Studying For Tech License.
- Kyle Turk - KD2DLJ

VE Report

VE sessions have been postponed due to the Covid 19 situation. The VE sessions will resume once it is safe to do so.

Total New or Upgrades to Date			
Tech	General	Extra	Total
168	82	41	291

The 300th person to obtain an initial license or upgrade with the SJRA VE team wins free SJRA Membership for one year!



Meeting Minutes

The meeting minutes were not available for this edition.

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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 is 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-UmysOEhQWwJwBIMrOavXqfs5AvigQza-d8Z1c3JFn9TMI5ewxc8VVIIX-2g6bOTpUFD/p_u_b/?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.



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 new ways to enjoy Field Day, he likes to build stuff and operate CW on the HF bands.

Items for Sale

Transceiver For Sale:

Kenwood TS-590SG – Mint condition-
only 2.5 months old. **\$1,000.**

If interested, please contact **Art, N2CPR. Artarnold at yahoo dot com**

Antennas for Sale:

Cushcraft A3W with 30m driven element. For WARC bands 30/17/12m: **\$150.00**

Hy-Gain TH6DXX – 20/15/10m: **\$150.00**

Hy-Gain 402BA – 2 Element 40m Beam: **\$200.00**

They will be disassembled and marked for easy reassembly and transportation.

Contact by email: **ken at k2wb dot com**

Cushcraft Model A-3WS 3 element WARC bands beam antenna still in the box never opened. Will accept any reasonable offer for it or willing to trade or deal. If interested please contact **Jack Froehlich, W2AF** at 856-809-2965 or 609-352-9696.

The antenna can be picked up in Atco, NJ. Thank you for your time.

SJRA is Now on Facebook

For those who have not heard, we have a SJRA group page on Facebook. It allows us to share files/pictures, demonstration videos, announcements, reminders, etc. If you are active on Facebook, please join us and invite any prospective SJRA members to do the same.

<https://www.facebook.com/groups/SJRA.K2AA/>



List Your "For Sale" Ham Stuff in the SJRA Harmonics

Email: [harmonics at sjra dot club](mailto:harmonics@sjra.org) with your listing.

SJRA Membership Drive

Attention SJRA Members: Sign up four new members by December 31, 2020 and get your 2021 Membership free.

For additional information please contact Art, N2CPR or email:

Membership at [sjra dot club](mailto:membership@sjra.org)

SJRA Jackets, Shirts, Hats

Order NOW - Next order going in soon!



Spring Jacket is \$51 (S,M,L,XL), Fall Jacket is \$58 (S,M,L,XL),
 Shirts are \$28 (S,M,L,XL), Hats are \$20 (one size fits all)
 Name and Call Sign embroidery included....Larger sizes slightly more!
 Email Joe, KC2TN, with orders or additional info: kc2tn at comcast dot net

Amateur Radio FCC License Testing

The SJRA sponsors *FREE* Amateur Radio FCC License testing on the third Wednesday of each month, except Nov & Dec. TBD. The location is: New Brooklyn United Methodist Church; 1336 E. Malaga Rd. Williamstown, NJ 08094. Registration is at 7:00 PM and testing begins at 7:30 PM. Walk-ins are accepted.

VE team members can be reached at *VE at SJRA dot club*. A calendar and more information can be found on the SJRA web site.

June Meeting (On-Line):
Is the **Fourth** Wednesday, June 24, 2020

The meeting commences promptly at 7:30 PM in the convenience of your own home via Webex.

Program For June:

The June Program has not been finalized. Please refer to the Website or announcements on the e-mail reflector for updates.

SJRA Member July Birthdays

July birthdays are: Michael Davis, KB1JEY; John Doran, W2FDJ; Craig Henning, NC2H; Carol Hutkin, K2BL.

Health and Welfare Co-chairpersons: Roy, WB2EOD and Dara, KC2THQ

July Meeting:
Is the **Fourth** Wednesday, July 22, 2020.

First Class Mail

South Jersey Radio Association
15 Pelham Road
Marlton, NJ 08053

