



HARMONICS

1916

South Jersey Radio Association

2020



President's Message

Ken- K2WB



Fall will be here soon, Autumnal Equinox is September 22nd. If you look carefully the signs are already showing, with a little yellow or red starting to appear from the green of summer. This is the best time to spruce up the antenna farm and get ready for the fall radio contest and DX season. Get help with any big projects, there are many members with knowledge and experience that will help make your project safe and successful.

If you participated in the ARRL September VHF contest, send your log to the league noting the SJRA as your affiliation. This is a club competition; VHF contesting is easy to do and does not require special equipment. Most of our members are located in grid squares FM29 or FN20. Remember logs are due 10:59 PM on Wednesday September 23, 2020. The ARRL lists it in UTC.

The SJRA has adopted Ham Club Online to manage the membership area of our website. Look for an invite email. Please go online and change or add additional information. I hope to have everyone in before the next general membership meeting. I will keep the WebEx open to answer any questions or offer assistance. It may take a little while to get everyone's status corrected. Everyone's help will be greatly appreciated.

The Club QSO Party rules are complete and started to be distributed. This is a fun activity. There is a double dip opportunity. If you operate as K2AA/104, the contacts you make count towards your own contacts. The best part is that you can work the same stations again as yourself when you are not operating as K2AA/104. Contact me **Ken at k2wb dot com** if you would like to sign up to operate as K2AA from your own QTH. The 2020 Club QSO Party will be on October 17th at 16:00 UTC (12:00 EDST) and will run to Sunday October 18th at 21:59 UTC (17:59 EDST).

For the time being our meetings are being held via WebEx. It has been interesting, and we are successfully continuing the SJRA tradition. Hopefully we can get together for our annual meeting at the Gibson house. Time will tell (keep your fingers crossed).

73's

Ken K2WB

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 its 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, October 12, 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 Amateur Radio Club QSO Party Rules

Objectives are to publicize all participating radio clubs ages & history while encouraging activity on the bands and club station activation.

Sponsored by the South Jersey Radio Association K2AA. Contact [clubqso at sjra dot club](mailto:clubqso@sjra.net) with any questions.

Period: Third weekend in October. For 2020 Saturday, Oct 17th 16:00 UTC (12:00 EDST) to Sunday, Oct 18th 21:59 UTC (17:59 EDST).

Objective: Work as many Amateur Radio Club members as possible and Listed Amateur Radio Club Stations.

Bands: All Amateur radio bands except for 60m, 30m, 17, & 12m, and all modes including repeater contacts will be accepted.

I. Exchange:

A. Club Members: Call / (club age) + (Club Acronym)

1. International Club members in countries whose rules prevent sign / # can give their official club acronym, such as Limerick Radio Club would be "LRC", South Jersey Radio Association would be SJRA, etc.

B. Non-Club Members: Call + Name.

II. Scoring:

A. Work each station once per band/mode. It is possible to work stations on multiple bands and modes. Cross band/mode is not allowed.

B. Multiplier will be the number of unique Club Members worked. You can work the same Club Members in other modes and bands. However a Club member will only count once as a multiplier. Club Members are also included in the QSO count.

C. Bonus 100 QSO Pts for contacting approved Club Stations (see club Station appendix).

D. Modes allowed:

1. CW.
2. Phone - SSB (FM, AM, LSB and USB count as the same mode), Repeater contacts count as phone.
3. Digital - PSK/RTTY etc. (FT8/JT65 excluded due to missing exchange).

E. Scoring Calculations

1. QSO Points summed X Club Members Worked + Club Stations Worked.
2. Contacts (QSO Points)
 - a) CW Contacts are worth 3 points each.
 - b) Phone points are worth 1 point each.
 - c) Digital Contacts are worth 2 points each.
3. Club Members Worked.

(Club QSO Party Continued on page 4)

(Club QSO Party Continued from page 3)

Participating club members signing their call sign / ###. Each Club Member station can only be counted once as a multiplier. Clarification: Anyone signing their call / ### would count as a club member. Even if they are not from your own radio club.

4. Example on how to calculate your score.

Stations Worked CW	85	3	255
Stations Worked Phone	123	1	123
Stations Worked Digital	35	2	70
	Sub Total +		448
Club Members Worked			32
	Sub Total X		14336
Club Stations contacted (100 Pts each)	2		200
	Final Score +		14536

F. Logs: Include the following information:

1. Date of QSO
2. Time of QSO UTC
3. Station Contacted Call Sign
4. Club Exchange Acronym if giving
5. Name Received in the exchange
6. Club Member Call Sign
7. Club Member Name
8. Band / Frequency of operation
9. Mode - CW, Phone, Digital

G. Log Summary Submission

1. Summaries to be submitted not later than November 20,2020.
2. Send summaries to clubQSO AT SJRA DOT org.
3. Put your call sign / (Club age) and Club Name in the subject line and mailing address in the email.

III. Awards:

A. Non-Club Members:

1. Highest overall score will receive a plaque.
2. Station contacting the most Club members will receive a certificate.
3. Station contacting all participating Club Stations will receive a certificate.
4. Highest Score in each mode will receive a certificate.

(Continued on page 5)

(Continued from page 4)

B. Club-Members:

1. Highest overall score will receive a plaque.
2. Highest Score in each club will receive a certificate.
3. Club-Members contacting all participating Club Stations will receive a certificate.
4. Highest Score in each mode will receive a certificate.
5. Contacts made using the club call sign will also count towards the individual operator's submission. The individual can also contact the same stations as the club station. But for Club stations multiplier use only unique club calls on individual log summary.

C. Club Competition (see club rules and qualifications)

Gavel will be presented to the club which has the most percentage of their own membership contacting their club station in each of the three categories small, medium and large. Gavel will be presented to the club with the most contacts with all amateur radio stations.

IV. Additional Items:

- A. Club Members belonging to several clubs must choose one club and cannot change the / (club age) after **the first contact is made**.
- B. Club age is determined as to the age the club celebrated its last anniversary. For example, if your club was formed on June 12, 1916 with the contest starting on October 17, 2020 then participants would sign their call /104.
- C. All participants must follow all FCC rules and regulations, international stations must comply with all amateur radio regulations in their country at all time.
- D. Participating members need not be located in the 175-mile club operations circle as in other contests. For example, an out of area member of the South Jersey Radio Association can also sign their call sign /104 Spotting networks and self-spotting are allowed.
- E. APRS contacts are not allowed.
- F. Ask repeater operators/owners for permission before using it for contesting.
- G. Logs can be requested by the sponsor to validate submitted summaries
- H. ALL decisions made by the sponsor are final!

V. Club Rules and Qualifications

- A. Qualifications (Contact Ken: clubQSO at SJRA dot club for club operation schedule and form)
Qualified Amateur Radio Clubs must meet the following criteria
 1. Amateur Radio Club Call issued by the FCC.
 2. Club must meet at least once per year.
 3. Club must be in existence for at least 1 full year before the start of the contest.
 4. Club must submit a count of active members (Not including Honorary Members), Do not submit membership rosters, these are not required.
 5. Club must submit an operations schedule by 00:00 UTC on October 10th, 2020.

(Club QSO Party Continued on page 9)

Articles Needed

AI, KD2ST

We are always in need of articles for the Newsletter. If you have any amateur radio related news, information, experiences or projects that you would to share, please consider adding your article to next month's SJRA Harmonics.

The article does not have to be long and we will help with editing and layout if needed.

Please email your submission to:
harmonics at sjra dot org

Awards Committee

The SJRA is looking for volunteers for the Awards Committee. This committee is responsible for the preparation and presentation of all awards. The members of this committee will select the recipients of SJRA's honorary awards. Award presentations will be made at a general meeting of the SJRA specified by the Board of Directors. If interested in serving on this committee, please contact Ken, K2WB or John, W2FDJ.

Also it's not too early to be thinking about nominating a SJRA member for an award. Each year SJRA recognizes significant accomplishments of its members by presenting three prestigious awards—Miles Brown Award for Technical Merit, Harry Densham Amateur of the Year Award and the Gordon Kressel Long Term Service Award. These awards bring distinction and recognition to deserving amateur radio operators for their activities, accomplishments, and exceptional contributions to the hobby and the SJRA. The SJRA website has more information about these awards and past recipients.

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/>



SJRA Membership Drive

Attention SJRA Members: Sign up two 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

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** for publication.

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

NJ QSO Party: 9/19, 12pm to Midnight. HF; All modes.

144 Mhz Fall Sprint: 9/21, Mon 7pm EDT to 11pm. 2mtr; Mode not specified.

CQ Worldwide DX Contest RTTY: 9/25-26, Fri 8pm – Sun 8pm EDT. HF; RTTY

222 Mhz Fall Sprint: 9/29, Tue 7pm to 11pm. 222 Mhz. Mode not specified.

Oceania DX Contest Phone: 10/3-4, Sat 2AM EDT to Sun 2AM. HF - Phone

SKCC QSO Party: 10/3-4, Sat 2PM EDT to Sun 2PM. HF – CW (straight key)

Looking Longer Range

432 Mhz Fall Sprint: 10/7, Wed 7PM EDT to 11PM. 432 Mhz. Mode not specified

Oceania DX Contest CW: 10/10-11, Sat 2AM EDT to Sun 2AM. HF – CW

Microwave Fall Sprint: 10/10, Sat 8AM EDT to 2PM. Microwave. Mode n o t specified

ARRL School Club Roundup: 10/19-23, Mon 9AM EDT to Fri 8PM. All bands except 60,30,17, & 12m. Modes: CW, Phone, Digital

Club QSO Party: 10/17-20, Sat 12PM EDT to Sun 6PM (30 hours). HF, 6m, 2m, 70cm. Any mode. (SJRA sponsored- see article on page 3)

CQ WW DX Contest: 10/23-25, Fri 8PM EDT to Sun 8PM. HF – Phone.

2021 BUDGET COMMITTEE VOLUNTEERS NEEDED

Our treasurer, Roy, WB2EOD and VP, John, W2FDJ will be forming a new committee to work on the Club's 2021 annual budget. Per the Club's by-laws, we will need two members to fill out the committee. The committees' purpose is to prepare an annual budget based upon the projected needs of the SJRA for the coming year.

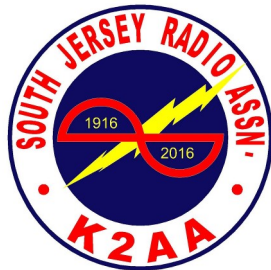
Please considering volunteering for this important club activity. If interested, please contact either John or Roy for additional information.

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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(Club QSO Party Continued from page 5)

6. Additional club station operation not listed in the schedule is allowed, however clubs are encouraged to follow the posted on the air schedule.
 7. ARRL Affiliation is not required.
 8. Clubs must activate their club call for at least 12 hours out of the 30 hours of the contest.
 9. The same equipment can be used by members for their personal contacts as well as club contacts.
 10. Multiple club stations can be on the air at the same time if they are not on the same band and mode at the same time in accordance with FCC Rules.
 11. Clubs are responsible for their own QSL card processing.
 12. U.S. Club stations must sign their call sign / (club age) and give the official acronym for their club i.e. SJRA. Operator name would change with each operator.
 13. International Club stations in countries whose rules prevent sign / # can give club name or acronym instead.
 14. Club Stations can only be operated only by active club members anywhere in accordance to policies setup by the club's call sign trustee.
 15. SJRA as the sponsoring club will not be eligible for the Club awards, SJRA's Contest team will also not be eligible for the individual awards.
- B. Club Categories
1. Large Club - 100 members or more.
 2. Medium - 25 to 99 members.
 3. Small - Up to 24 members
- C. Club Submission
1. Club Name and Call Sign
 2. Summary Log based on consolidated Logs for all operations with the following information (logs can be requested if there are questions):
 - a) *Date of QSO*
 - b) *Time of QSO UTC*
 - c) *Station Contacted Call Sign*
 - d) *Club Exchange number if giving*
 - e) *Club Acronym or Name Received in the exchange*
 - f) *Club Member Call Sign*
 - g) *Club Member Name*
 - h) *ARRL Section*
 - i) *Band / Frequency of operation*
 - j) *Mode - CW, Phone, Digital*
 3. Summary list of all of the clubs own members contacted.

Items for Sale

Very clean, working **Heathkit SB** series station looking for a good home.

Package includes SB-301 Receiver, SB-401 Transmitter, and SB-600 Matching Speaker. All manuals, connecting cables, spare tubes AND a transmitter parts chassis.

If interested, please contact **Roy, WB2EOD**. Email: **wb2eod at arrl dot net**

The Club is selling it's **Kenwood TS-530S**. This is a 1980's vintage hybrid transceiver with two 6146B tubes. Covers 160m to 10m including the WARC bands. SSB & CW modes. The rig was in working condition the last time it was used. Asking \$300 but reasonable offers would be accepted. If interested, please contact Ken: **ken at k2wb dot com**

Antennas for Sale:

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

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

They are marked for easy reassembly and transportation. Price negotiable.

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.

New Jersey QSO Party

Sponsored by Burlington County Radio Club, K2TD

Date: September 19, 2020.

Time: Sat. 1200 (Noon) EDT (1600 UTC) to 2359 EDT (0359 UTC).

Objective: NJ Stations contact as many amateurs in the US, Canada and DX as possible.

Bands: 80, 40, 20, 15 & 10 meters ONLY.

Modes:

- CW, Digital and Phone. Note: No repeater or internet modes.
- Each digital or CW Contact will count as 2 points and phone contacts are 1 point.
- Power multiplier is 1x for 150 watts and above, 2x for less than 150 watts, and 4x for QRP (5 watts or less at ALL times during the NJQP).

NJ Club Aggregate Score:

- Entrants should specify which ARRL affiliated club, if any, they wish their score to be attributed.
- Must be a bona-fide member in good standing of said club.

Exchange:

- NJ Stations RS(T) and county.
- Out of NJ stations RS(T) and state/province/DX.
- All DX Stations use DX.

See http://www.k2td-bcrc.org/njqp/njqp_rules.html for full details.

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.

September Meeting (On-Line):
Is the **Fourth** Wednesday, September 23, 2020

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

Program For September:

Please refer to the website calendar for the latest details.

SJRA Member October Birthdays

October birthdays are: Bill Dreisbach, KB2MMI; Craig Hodsdon, WE2Q; Ken Hoffner, KD2OZC; Gene Kuhns, WB2WEK; Walter Reeves, KD2RRU; Burton Sampley, NJ2IT; Robert Turner, N2SCJ; Jim Vecchiola, KR2T; Mark Walters, KD2JPW; Frank Widmann, WA2VYA

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

October Meeting:
Is the **Fourth** Wednesday, October 28, 2020.

First Class Mail

South Jersey Radio Association
15 Pelham Road
Marlton, NJ 08053

