



HARMONICS

1916

South Jersey Radio Association

2019



*Happy Holidays from the
SJRA Officers and Board of Directors*

President's Message

Ken- K2WB

Another Presidents message from China. The sun never sets on the SJRA!

In a couple of weeks another year 2020 will be here. The SJRA is still vibrant and active after 103 years. There is a lot of activity happening with our meetings, VE sessions, Field Day and more.

This year we will be doing another Amateur Radio Conference. It is our plan to increase the venue to cover some of the topics from last year's conference and add advance subjects building on last year's program. There will be a lot of subjects on general amateur radio and a VE Test session. If there is something you would like to have presented on or would like to help contact me anytime.

Our Christmas/Holiday Party will be held on Wednesday December 18th and I look forward to seeing everyone that attends. The Holiday Party also is when SJRA members are recognized for their contributions to the club.

I want to thank all the Board Members, Club Officers, Committee Chairpersons and their staffs for doing a great job throughout the year. The SJRA does not run itself and it takes people to run the club. Make it a point to thank someone or better yet offer to help.

It is time to freshen up our Bylaws. A Committee had been formed, look forward to having some changes in the club next year.

Please check your email and Harmonics for your membership renewal. It is important that all information is updated so that we can make corrections to our database. This will ensure that Harmonics and important club information will continue to get to you.

Congratulations to all that participated in Field Day 2019. The SJRA took 1st place in the 7A category. It took a lot of hard work, but the result was well worth the effort. Field Day 2020 will be here before we know it, let me know if you want to help.

(Continued on page 4)

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 16, 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.org SJRA's web page: www.sjra.org

SJRA VE Team: ve@sjra.org 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.org> ★
 ★ 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, KD2JPV
 Matt Grohgans, 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 & Rick Lawn, W2JAZ
H&W: Roy Herman, WB2EOD; and Dara Herman, KC2THQ
Awards: Vacant (Please Volunteer)
Hospitality: Jean Priestley, KA2YKN
Nets: Matt Grohgans, N2IDW
Publicity: John Johns, KD2RKA
Picnic: Vacant (Please Volunteer)
Ways & Means: Roy Herman, WB2EOD
Property: Frank Longbottom, AA2AW
Web Site: Ira Weinstein, W2IRA
Harmonics Staff:
Publisher/Editor: Al Ziegler, KD2ST
Alternate Editor: Ted Groke, N8MP
Circulation: Jim Vecchiola, KR2T

LOCAL WEEKLY NETS

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, January 6, 2019. Email: harmonics@sjra.org

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.

Meeting Minutes

Minutes of November 5, 2019 BOD Meeting

Time: 1930

Facilitator: Ken, K2WB

In Attendance: Carl, W2CSH; Frank, AA2AW; Holden, KD2JPV; Roy, WB2EOD; Art, N2CPR; John, KD2RKA; Ken, K2WB; Dennis, AC2FO; Al, N3AVT; Tony, N2ATB; John, W2FDJ; Rick, W2JAZ, & Matt, N2IDW

Approval of Minutes: The minutes of the September meeting were approved.

Board: Ken, K2WB called the meeting to order.

Treasurers Report: Roy, WB2EO presented the treasurers report. So far four people have signed up for the Dayton bus trip. A \$500 deposit was made to the bus company. The board directed that the report be amended to show \$600 addition. The report was approved as amended.

Membership: Art, N2CPR suggested that the membership vetting as currently practiced be discontinued to expedite membership and decrease the workload on the committee. The board declared that the current procedure was not part of the by-laws of the club and could be discontinued. In the future if a filled out application is received along with a payment of dues then the member is accepted and added to the membership rolls.

Also discussed was the duplication of membership forms. The board desires that

there be one membership and renewal form available on request or available online.

Correspondence Secretary: Dennis, AC2FO – No Report

Harmonics: Al, KD2ST – No Report

Repeater: Ken, K2WB

The Board is still considering the question of installing a UHF antenna at the K2UK repeater site. This would require negotiations and permission of Pine Hill. It will be decided if the antenna should be installed and where this fits in the repeater priority list.

History: No Report

Club Merch - No Report

Contests: - John, W2FDJ

At the time of the meeting the scores for the Club QSO party were still being tallied. John reminded the board that the ARRL Voice Sweepstakes is the 16 of November. K2WB will have the club station up in his driveway.

Health and Welfare: Roy, WB2EOD will send a contact card to Mark Walters to let him know he is in our thoughts.

Nets: Matt, N2IDW

It was discussed that the monthly swap net be dropped as a formal net. In the future at the end of each Monday night net an opportunity will be given to anyone with items to sell at the end of the second round.

(Continued on page 6)

(President's Message Continued from page 1)

The SJRA email list has been running for a couple of years. This is a great way to reach out to all the members of the club if you have a question or an item for sale. This service is only available to members of the SJRA and will be the only way to receive Harmonics by email. If we have your email address you will be receiving an email from sjra-members-resquest@mailman.qth.net inviting you to join the list or you can join by going to <http://mailman.qth.net/mailman/listinfo/sjra-members>. Remember to include your callsign with your name.

To send an email to the list, just send it to sjra-members@mailman.qth.net and it will go to all of the SJRA members automatically.

Remember sending an email will require using the email address in which you receive emails from the list. Also, the <Callsign>@ARRL.net does not work well. Please use your regular email address.

I want to wish everyone and their families a very happy and healthy holiday season.

Until next year!

73's

de Ken K2WB/BY3



Limited Seating – Register Now!

2020 Hamvention Bus Trip South Jersey to Dayton, OH



**Only
\$150!**

Bus Fare and
Hamvention Ticket
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Thursday, May 14 – Sunday, May 17, 2020
South Jersey Radio Association

Agenda includes
**The National Museum
of the US Airforce**
on Friday or Saturday
(Admission not included)



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Email press@sjra.org for a registration form

Items for Sale

Transceivers For Sale:

Yaesu FT-991 6J serial number. With bias adjusted at factory. Complete with desk mike, hand mike, box, uncut power cord, manual, original double boxed.

Full power out on all bands. Fusion, all modes 160-440. **\$875**

Late serial number **ICOM 706MK2**. Voice synthesizer, 1.9 narrow SSB filter. Complete with hand mike, mounting bracket, screws, uncut power cord.

Full output on all bands 160-440. **\$550**

Add auto tuner AT-180 for \$200 more.

For either contact **Art, NC2CPR. 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.

New Members

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

- Lamonte Cuff, AB3LC

SJRA Membership Drive *Last Chance!*

Attention SJRA Members: Sign up two new members by December 31, 2019 and get your 2020 Membership free.

For additional information please contact Art, N2CPR or email:

Membership at sjra dot org

VE Report

Total New or Upgrades to Date

Tech	General	Extra	Total
166	79	39	284

Please note that there are no VE sessions scheduled for November or December due to SIRA meeting conflicts. The next scheduled VE session is January 15, 2020.

(Meeting Minutes Continued from page 3)

It was also suggested that the Wires-x node be moved to the K2UK repeater to conduct the Thursday night fusion nets on the K2UK repeater. This will take advantage of the better coverage of the K2UK repeater to the south. A member has offered to provide an HRI-200 and related hardware to connect K2UK to the internet for full Wires-X implementation.

Awards: The yearly awards nominations were discussed. The recipients of awards given by the board were selected. The membership will be asked to provide nominations at the November 6th meeting.

Programs: Rick, W2JAZ

Programs are set through April of 2020. Rick is now off the hook for programs. Carl, W2CSH is new the Programs Chairperson. The combination of the two auctions and the addition of a mentoring night will be announced to the membership at the November 6 meeting.

K2AA Web Site: There was no response to Ken's request the Web Team leader call a meeting of the committee. Therefore Ken is scheduling a meeting of the Web team within a month of the board meeting.

VE Team: Al, N3AVT

There will be no test dates scheduled for November and December.

Field Day: Field day results should be announced any day. When received Ken will send the results out via email.

Publicity: John, KD2RKA

There was no report from John. It was suggested during old business that John ask

if the bus can stop at the Flight 93 memorial as an added incentive and point of interest during the trip.

Old Business:

Roy, WB2EOD presented the 2020 budget estimate to the board. After a lengthy discussion of how to estimate the income from membership dues Roy was asked to revise the estimates. Club expenses were also reviewed. Liability insurance coverage for the board and officers was also discussed. Roy will ask the club's insurer if the board and officers are covered under the current policy and if not report to the board the cost of an addendum to the policy covering the same. Roy was asked to revise the budget and voting will be online to approve it.

Property: Frank, AA2AW has not as of yet received the serial numbers and information for the club's equipment installed at the repeater site. Another request will be sent.

New Business:

A new award was created by the board to recognize the contributions to the club made by new members who are also new to the hobby. Tentatively called "The Rookie of the Year" award this award recognizes those who give back to the club with enthusiastic participation in club events, encouragement to others and giving service to make the club better. Recipients were unanimously selected for the 2019 presentation.

The meeting was adjourned at 11:45pm.

Submitted by Carl Hyde, W2CSH

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.

NJ QSO Party (was Sept 21st):

SJRA received a 1st Place SNJ Rover award (see page 9 of this issue for additional details).

ARRL Sweepstakes CW (was Nov 2-4th):

Name	#QSO'S	SECTIONS	POINTS
John, W2FDJ	253	82	41,492
Dom, KD2EPM	52	36	3,744

ARRL Sweepstakes SSB (was Nov 16-18th):

Name	#QSO'S	SECTIONS	POINTS
SJRA, K2AA	177	77	27,258
John, W2FDJ	181	77	27,874
Joe, K2WJL	120	45	10,800
Dom, KD2EPM	93	44	8,370
Paul, KF2Y	14	12	308

CQ WW DX CW (was Nov 22-24th):

Name	#QSO'S	POINTS
John, W2FDJ	349	236,954
Rick, W2JAZ	195	80,352
Dom, KD2EPM	53	6,136

Upcoming Contests - see arrl.org or contestcalendar.com for rules and more details.

Every Tuesday only

Phone Frey 9:30-10pm. (yes 30 min) (ten weeks -4 times a year).

Every Wednesday only

CWops Mini-CWT test 8-9am, 2-3pm, 10-11pm (three one hr. sprints).

Every Thursday only

NCCC Sprint 9:30-10pm. (yes 30 min.).

Every Thursday only

NCCC RTTY Sprint 8:45-9:15pm. (30 min.).

ARRL 10 Meter Contest: 12/13-15, Fri. 7pm EST to Sun 7pm (36 Hr. max.) 10 Meters only; CW, Phone.

ARRL RTTY Roundup: 1/4-5, Sat. 1pm EST to Sun 7pm. HF. Modes: RTTY, Digital.

ARRL Kids Day: 1/4, Sat 1pm to 7pm HF + 17, 12, 2m. Mode: SSB

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SJRA Membership Renewal Begins January 1, 2020

This is just a brief reminder that DoozRdo on January 1, 2020. We've tried our best to make it convenient for you by going to the Club's website and following the instructions on the renewal form: <https://sjra.org/sites/default/files/2018%20RENEWAL%20AND%20NEW%20MEMBER%20FORM%20updated%203%202014%202018.pdf>

Several members have renewed so far so beat the rush and renew your membership today.



Thanks, Happy
New Year and 73,

Roy Herman,
WB2EOD
Treasurer, SJRA
19 Bryce Road
Voorhees, NJ 08043

(Radio Sport AKA Contests Continued from page 7)

North American QSO Party CW: 1/11-12, Sat 1pm to 1am Sun. HF. Mode: CW

Looking Longer Range:

North American QSO Party SSB: 1/18-19, Sat 1pm to 1am, Sun. HF. Mode: SSB

ARRL January VHF Contest: 1/18-19, Sat 2pm to 11pm Sun. 50Mhz and up. Any mode.

CQ WW RTTY WPX Contest: 2/7-9, Fri. 7pm EST to 7pm Sun. HF. Mode: RTTY.

ARRL School Club Roundup: 2/10-14, Mon. 8am EST to 7pm Fri. HF. Any mode.

ARRL International DX Contest: 2/14-16, Fri. 7pm EST to 7pm Sun. HF; CW

ARRL International DX Contest: 3/6-8, Fri. 7pm EST to 7pm Sun. HF; SSB

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NJ QSO Party

AI – KD2ST

Holden, KD2JPV and Ken, K2WB operated rover class for the NJ QSO party held on September 21st.

They were able to cover nine counties in the 12 hour period. Their efforts paid off with a 1st place award in the Southern New Jersey Rover category. Congratulations Holden & Ken!



November Sweepstakes– Phone

Ken– K2WB

SJRA was on the air for the November Sweepstakes held on November 16-17th from the new T-4 trailer. The new trailer provided a great operating environment.

Our goal was to have fun. Our second mission was to get on the air. And we did that as well.

The bad news is that we did not get the clean sweep. But we did pretty well.

In total we made 177 contacts and contacted 77 sections. K2AA was on the air for 23 ½ hours.

The following operators participated in this year's event:

Band	#QSO'S	Points	Sections	Pt/Q
3.5	65	130	29	2.0
7	57	114	23	2.0
14	52	104	24	2.0
21	3	6	1	2.0
Total	177	354	77	2.0
Score: 27,258				

- Elle, K2WB
- Carol, K2BL
- Ken, K2WB
- Tom, KD2PPA
- Karl, KD2SSE
- Al, KD2ST
- Riz, KH7JO
- Logan, K2WB
- Carl, W2CSH
- John, W2FDJ

Compared to previous years:

Year	Score	QSO'S	Sections	Rank	Solar Flux	Sunspot No.
2019	27,258	177	77	TBD	69-71	0
2018	15,738	129	61	38 th ML, 1st SNJ	72-73	13-14
2017	17,500	125	70	44 th ML, 1st SNJ	74-76	0-14
2016	24,776	163	76	40 th ML, 1st SNJ	76-77	11-22
2015	46,904	286	82	28 th ML, 1st SNJ	122-123	59-76
No Operations prior to 2015 ML = Multi-Op, Low Power						

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 org*. A calendar and more information can be found on the SJRA web site.

December Meeting:**Is the **Third** Wednesday, December 18, 2019**

The meeting commences promptly at 7:00 PM (1/2 hr. earlier) in the first floor Meeting Room of the Gibson House on Main Street, Marlton, NJ 08053. Guests are always welcome.

Program For December:

Holiday Party & Awards Ceremony.

SJRA Member January Birthdays

January Birthdays are: Ted Dean, KD2ARD; Joe Fisher, KC2TN; Jack Froehlich, W2AF; Robert Kernish, KD2ADL; Darrin Malone, KD2ALQ; Jack Mays, WA2HJG; Terry Murphy, N2JSB; Al Witner III, N3AVT

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

January Meeting:**Is the **Fourth** Wednesday, January 22, 2019.****First Class Mail**

South Jersey Radio Association
15 Pelham Road
Marlton, NJ 08053

