



# HARMONICS

1916

South Jersey Radio Association

2019



## Field Day Issue

Nice weather, good turnout with a number of new members, awesome food and great camaraderie highlighted this years Field Day.



Ken, K2WB going over guying and tower installation.



Burlington County's Emergency Communications Trailer.



Towers to go!

# 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](http://www.sjra.org) or from Alan Handley, K3WWT, 610-532-5407 Email: [sjra@sjra.org](mailto:sjra@sjra.org) SJRA's web page: [www.sjra.org](http://www.sjra.org)

SJRA VE Team: [ve@sjra.org](mailto:ve@sjra.org) is the SJRA/ARRL VUCC card checker

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

### 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, KD2JPW  
 Matt Grohgans, N2IDW  
 Rick Lawn, W2JAZ  
 Frank Longbottom, AA2AW  
 Al Witner, N3AVT

### Committees:

**Historian:** Mark Walters, KD2JPW  
**Membership:** Art Arnold, N2CPR and Alan Handley, K3WWT  
**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:** Jim Higgins, KC2SZ  
**Hospitality:** Jean Priestley, KA2YKN  
**Nets:** Matt Grohgans, N2IDW  
**Publicity:** **Vacant (Please Volunteer)**  
**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 Editors:** Ted Groke, N8MP  
**Circulation:** Jim Vecchiola, KR2T

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 ★ 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> ★  
 ★ \*\*\*\*\*

### LOCAL WEEKLY NETS

|  |                         |                       |
|--|-------------------------|-----------------------|
| Mondays FM Net; Swap Net every 4th Monday          | K2AA Repeater, PL: 91.5 | 145.290 @ 8PM         |
| Fusion on 2 <sup>ND</sup> & 4 <sup>TH</sup> Thurs. | K2AA Repeater, DN mode  | 145.290 @ 8PM, Fusion |
| 6M SSB on 1 <sup>st</sup> Thurs.                   |                         | 50.150 MHz USB @ 8PM  |
| 2M SSB on 3 <sup>RD</sup> Thurs.                   |                         | 144.260 MHz USB @ 8PM |

### Harmonics Deadline

Articles submitted for the next Harmonics will be accepted until Monday, August 12, 2019. Email: [harmonics@sjra.org](mailto: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.

## Minutes of June 5th BOD Meeting

**Time:** 1930

**Facilitator:** Ken, K2WB

### In Attendance

Carl W2CSH, Al N3AVT, John W2FDJ, Frank AA2AW, Holden KD2JPV, John W2MC, Roy WB2EOD, Burton NJ2IT, Art N2CPR, Al KD2ST, Tony N2ABT, Rick W2JAZ Matt N2IDW Ken K2WB

### Approval of Minutes

The minutes of the June meeting were approved.

### Board

Ken, K2WB opened the meeting with encouraging comments on the highly successful field day results and performance.

### Treasurers Report – Roy, WB2EOD

Roy presented the treasurer's report which is attached to these minutes. There was a motion to accept which was seconded and the motion carried.

### Membership – Art, N2CPR

New Member Matt Wilson, K2MFW was presented for approval. Motion to approve by Al, N3AVT seconded by Tony, N2ABT and approved.

### New Members

It was then discussed that the Honorary Member list should be vetted as many of the five-year membership contracts were expiring. The discussion was tabled to be presented to the general membership.

### Harmonics – Al, KD2ST

Al reported that the July issue will cover Field Day with photos and articles by new members commenting on their experience of a first field day. The issue will also thank Lou and Jon for their years of dedicated service to the club. The issue will also introduce the new board members to the club.

There will also be a solicitation to form a publicity committee. It is hoped a committee can be formed to assist the club in gaining more exposure and increase membership.

### Repeater – Ken, K2WB

Ken gave the status of the K2UK repeater move. Small progress K2UK should be up and on the air at the end of July. Bob had a death in the

family which has delayed the remaining equipment installation at the new location.

### History - No Report

### Contests - John, W2FDJ

John reported that the rules for the K2AA sponsored QSO party scheduled for October 19 have been revised with the counting of contacts per band removed. Dennis AC2FL will promote the contest to the ARRL for inclusion in the calendar. The certificates for the contest will be printed by the contest committee. The files will be provided to John from Ken.

### Health and Welfare- Roy, KC2EOD

July Birthday cards were sent out. It was suggested that a sympathy card be sent to the Susquehanna Valley Amateur Radio Club for the loss of one of their members in a tower accident. A card was sent to Bob Applegate, K2UT to let him know that the members are thinking of him. Roy stated that this will be followed up with phone calls.

### Nets – Matt, N2IDW

The monthly nets continue to be well supported. The 2- meter sideband net has the lightest participation.

### Awards

Plaques were presented to Lou and Jon for their service to the club at the June meeting.

### Programs - Rick, W2JAZ

Rick has programs lined up for the remainder of the year. Joe Taylor, K1JT has accepted an invite to present at the November or the March meeting depending on his schedule. This fills the 2019 schedule and there is a backup if JT cannot make November. Carl, W2CSH will take over programs from Rick in the future.

### K2AA Web Site

Emails were sent to Ira, W2IRA asking if he desires to stay on as the Web Team chairman. Alternative plans are ready if he declines to stay on.

### Field Day - Ken, K2WB

Ken stated that we made field day great again. The club totaled 15,646 points, slightly less than last year due to poor propagation. The turnout was outstanding, more than 70 people were on site. The GOTA station was very successful. In the future this station will be enhanced with bet-

*(Continued on page 9)*



Phone Trailer



Chef Extraordinaire, Dom, KD2EPM kept us all well fed.



CW Trailer



GOTA Rig



Evesham Township Mayor Jaelyn Veasy and SJRA Member and ARRL State Gov. Liaison Chris Cannatella, KC2GNQ. The SJRA would like to thank them and Evesham Township and Burlington County for their support.

| <b>2019 Field Day Final Score Submitted</b> |               |
|---|---------------|
| Total QSO Points                            | 13,300        |
| Total Bonus Points                          | 2,230         |
| Total GOTA Pts.                             | 116           |
| <b>2019 Total</b>                           | <b>15,646</b> |
| Our 2018 Score was:                         | 15,964        |

## **New Members' Thoughts on Field Day**

I am a new HAM and a new member of the SJRA, so this was my first Field Day. I mistakenly thought that the sole focus of the club would be on making contacts. What I discovered was that there were other priorities such as community outreach, mentoring inexperienced HAMs, safety training, and simply enjoying the outdoors, each other's company, and some great food. As a newly licensed HAM, I was most excited by the opportunity to work with equipment, software, and modes that I had only read about online. That hands-on experience is invaluable to a new HAM working to equip his/her shack.

**John Jones, KD2RKA**

Being new hams this year, we were very interested to see what field day looked like and we wanted the whole experience including setup, operating, and take down. Our first impression was that it was chaos....but organized. The SJRA club members could not have been more friendly

and helpful, and we truly felt welcomed and included.

We could tell that there was lots of thought and preparation by the leadership for this event. But there were still challenges: where are the rest of the elements for that antenna, how will the guy stakes hold in the rain soaked soil, the tower motor won't work because it's full of water and so on. And where did all of that equipment come from? We lost track of how many towers, antennas, radios, trailers, and tents that just seemed to materialize on that soggy Friday morning.

GOTA was fun! It was a little challenging trying to make a contact in the pileups with the background noise of the generators and onlookers in the tent, but I think all of us newbies were amazed when we finally made our contacts. Many thanks to Burton, NJ2IT and Art, N2CPR for their patience and guidance getting us on the air.

With those long days, we didn't stay for any of the overnight fun... maybe next year.

73's

**Robin, KD2RGI**

**Gary, KD2RGG**

## New Members

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

- William DeCuzzi, KD2KZW
- Matthew Wilson, K2MFW

## Member News

Jon MacMillan, W2MC and Lou Priestley, N2HQL were recognized for their long term service to the club at the June general meeting.

Jon was Vice President and board member for a number of years and is retiring and moving to Pennsylvania in the near future.

Lou has been on the Board Of Directors since 1990 and recording secretary for at least 20 years.

We would like to thank both for their time and commitment in help making the SJRA such a great club and we wish them all the best going forward.



## VE Report for June 19, 2019

The SJRA would like to congratulate the following on their recent achievements.

**Wesley L. Metcalf, KN4VGR**  
3704 Naamans St.  
Hope Mills, NC 28348  
Earned his Tech

**Mauro Costa, Jr, KD2SHM**  
17 Windmill Drive  
Clementon, NJ 08021  
Earned his Tech

**Susan E. Nagy, KD2QBV**  
101 Sherwood Lane  
Westampton, NJ 08060  
Earned her General

**Donna R. Reed, N2QED**  
1 Auriga Ln.  
Sewell, NJ 08080  
Earned her General

### Total New or Upgrades to Date

| Tech | General | Extra | Total |
|------|---------|-------|-------|
| 164  | 76      | 38    | 278   |

### WORLDWIDE DISTRIBUTION



**Ken Hartley**  
Manager  
N2OHD

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## 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.

**Update from June Harmonics: CQ-WPX** - somehow I missed Jack, N2VW's great contribution to SJRA in this contest. Jack had a whopping 316,440 Points in this contest and credited it to SJRA.

### ARRL June VHF Contest (was June 8-9)

This contest is a favorite of many of our members as an opportunity to work each other on VHF/UHF modes and frequencies other than the regular SJRA nets.

Congrats to all those who energized the bands.

| Name         | Qso's | Grids | Points |
|--------------|-------|-------|--------|
| Bob, N2SCJ   | 144   | 41    | 7,134  |
| Dara, KC2THQ | 118   | 39    | 5,499  |
| Roy, WB2EOD  | 118   | 39    | 5,499  |
| Ken, K2WB    | 101   | ?     | 4,028  |
| John, W2FDJ  | 56    | 21    | 1,562  |
| Dom, KD2EPM  | 51    | 30    | 1,530  |
| Art, N2CPR   | 16    | 6     | 126    |

Next chance for the VHF Contest is Sept 14-15<sup>th</sup>.

**Upcoming Contests** - see [arrl.org](http://arrl.org) or [contestcalendar.com](http://contestcalendar.com) for rules and more details.

### WEEKLY EVENTS:

**Every Tuesday only**

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

**Every Wednesday only**

**CWops Mini-CWT test** 9 -10 AM, 3-4 PM,  
11-12 PM (three one hr. sprints)

**Every Thursday only**

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

**Every Thursday only**

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

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**North America QSO Party:** 7/20-21, Sat 2 PM EDT to Sun 2 AM. HF, RTTY

**North America QSO Party:** 8/3-4, Sat 2 PM EDT to Sun 2 AM. HF, CW

**North America QSO Party:** 8/17-18, Sat 2 PM EDT to Sun 2 AM. HF, SSB

**50 Mhz Fall Sprint:** 8/24, Sat 7 PM EDT to Sat 11 PM; 6 mtr. Mode not specified.

**ARRL Sept VHF Contest:** 9/14-15, Sat 2 PM EDT to Sun 11 PM. 50 Mhz and up. All modes.

**New Jersey QSO Party:** 9/21-22, Sat 2 PM EDT to midnight Sun. HF- CW, SSB.

**144 Mhz Fall Sprint:** 9/23, Mon 7 PM EDT to 11 PM. 2m only. Mode not specified.

**CQ WW DX Contest RTTY:** 9/27-29 ,  
Fri 8 PM EDT to Sun 8 PM. HF - RTTY

## Items for Sale

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For sale ranch - style home in Cherry Hill (Barclay). Comes with 40' tower with Moseley TA-33 Jr Tri-Bander, 5-element, 6-meter Telrex and 8-element, 2-meter Telrex antennas. For more information please contact **Martin Conrad**, WB2EHY at (856) 354-1892.

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**SPE Expert Linear 2K-FA Amplifier** for sale locally- I prefer not to ship. This is SPE's flagship amp and is in perfect condition. Specs can be found at: <http://expertlinears.com/2k-fa.html>

\$5,500. Please contact Joe by email: **kc2tn at comcast dot net**

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**Kenwood TS-440SAT HF Transceiver** covering 160 thru 10 meters. >100 watts all bands. Auto antenna covers 80 thru 10 meters including 60 meters.

Has been modified to show 100 kHz readout. Mars capable. 60 meters has been open up full power out. General coverage 100 kHz to 29.999 MHz. Modes: AM, FM, SSB, CW, FSK. Included factory hand mike. Narrow SSB filter (1.8 kHz) soldered in. Filter switch- 1.8, 2.4 & 6 kHz.

Power cord uncut. **TS 50** power supply with power cord attached. Matches radio. Good condition.

All for \$450. or make a reasonable offer. Please contact Art by email: **artarnold at yahoo dot com**. Also have **ICOM 706 MK2G**. Serial number starts with 150. Updated model from factory with new finals. With HM 103 hand mike. Power cord, 1.9 SSB Filter. General coverage from 100 kHz to 200 MHz All mode- AM, FM, CW & SSB.

Ham bands 160 thru 10 meters plus 6 & 2m and 440 MHz. \$550.

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### 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 available before the end of June. They will be disassembled and marked for easy reassembly and transportation.

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

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**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.

## Upcoming Regional Hamfests August 2019

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August 3rd: **Reading Radio Club Hamfest** 8:30 am at Heritage Park in Sinking Spring, PA. Website: <http://www.readingradioclub.org/>

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August 18th: **RMARC- 40TH Annual Hamfest** Open 8AM at St. Cathernine's RC Church Parish Center, 112 Erskine Rd, Ringwood, NJ. Website: <https://www.qsl.net/rmarc/pdf/hamfest2018.pdf>

## President's Message

Ken—K2WB

Field Day 2019 is now a fond memory, much kudos to the band captains and members for their tireless efforts in keeping the club call sign of K2AA on the air for 24 hours. Field Day would not be field day without help. It takes a lot to setup, operate and breakdown the equipment for Field Day. This year we had more help than last year, and it really made a difference. We can always use more help. Congratulations to all that participated. I already look forward to Field Day 2020, it is already less than a year away, are you making plans?

This year our GOTA operation had two operators who made 20 QSO's each. Thank you John, KD2RKA and Bill, KD2MPC for your effort. In addition to the 20 QSO's each generated another 40 bonus points. In our class of operation, the 20 QSO's are worth 2pts each. So, each got us 80 additional points. Great job guys.

With some of the activities of Field Day, it reminds us to be safe while working on our antennas or equipment. Accidents come without warning. Towers, antennas and equipment can be replaced easily, but injuries or worse are not so easily remedied.

The new Board of Directors is getting organized for the next two years of operating the SJRA.

After the last General Membership meeting the consensus was the SJRA would be providing a student from the Storm Robotics team with a SJRA scholarship. In order to make this happen, I am looking for a committee chairperson to take on the challenge. This would include developing fund-raising projects to support the program as well as creating the criteria for the award. Please contact me if you are interested.

As the heat of the summer continues, everyone should be mindful of staying hydrated. The other bad side of the heat is severe weather. Summer also brings thunderstorms, so it is important to monitor the weather especially if you have outside antennas.

Be safe and check on our elderly friends.

Thank you for being a member of the South Jersey Radio Association, encourage others to do the same. 73's Ken K2WB President

*(Meeting Minutes Continued from page 3)*

ter equipment. We will have to wait until December to see the club's placement overall. Ken again sends a thank you to all who supported and participated in field day.

### VE Team, Al, N3AVT

The VE team has tested and passed 164 technicians, 76 generals and 38 extra class operators. This brings the total to 278. Ken, K2WB expressed his appreciation for the VE group's success. Al stated that there is also an interest in getting formal training or having classes provided to new hams. It was asked that anyone interested in teaching classes contact the board.

### Old Business

The club property has not been inventoried in some time. The new repeater equipment has added to the club assets. Frank, AA2AW has volunteered to become the Property Chairman. Old inventories will be used to start then physical inventories of all the club assets will begin. Thanks to Frank for volunteering his time for this effort

The donation to the Storm Robotics group was discussed at the June general meeting. Support was split between giving the award to a single student selected by the advisors or giving the award to the whole group. The group has members from two high schools. The group also has corporate sponsors. Funding the award will be the challenge for the club. The next step is to form a committee to study the methods of fund raising and to whom the award is presented.

### New Business

The new storage location for the club trailer was discussed. It was discussed that commercial storage prices would be approximately \$550.00 per year. This amount should be included in the club budget as a line item.

Holden, KD2JPV relayed a question from John, KD2RKA if the club would be willing to sponsor a trip to the Hamvention in 2020. Ken, K2WB stated the club would most likely be willing to support this trip. A chairman and committee would need to be formed to organize the transportation and accommodations. John has been extended an invitation to the next meeting to discuss the details.

The meeting was adjourned at 21:09

## Installation of 2019-2021 SJRA Officers & Directors

Jon, W2MC, conducted the installation of the new Officers and Directors at the June General Meeting.



Front Row (left to right) Roy, WB2EOD, Treasurer; Carl, W2CSH, Recording Sec; John, W2FDJ, V. Pres; Ken, K2WB, Pres. Back Row (Directors) Matt, N2IDW; Tony, N2ATB; Al, N3AVT; Art, N2CPR; Frank, AA2AW & Holden, KD2JPV. Not in photo – Dennis, AC2FO (Cor. Sec.) & Rick, W2JAZ, Director.

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 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.

**July Meeting:****Is the Fourth Wednesday, July 24, 2019**

The meeting commences promptly at 7:30 PM in the first floor Meeting Room of the Gibson House on Main Street, Marlton, NJ 08053. Guests are always welcome.

**Program For July:**

Our program for July is a presentation by Joe, KC2TN on this year's Hamvention.

**SJRA Member August Birthdays**

August Birthdays are: Alfred Chai, KD2ELG; Jim Higgins, KC2SZ and Lou Priestley, N2HQL.

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

**August Meeting:****Is the Fourth Wednesday, August 28, 2019.****First Class Mail**

South Jersey Radio Association  
15 Pelham Road  
Marlton, NJ 08053

