



HARMONICS

1916

South Jersey Radio Association

2017



Auctions Flip-Flopped

We traditionally have an annual estate auction at this time of the year. It seems that this year we have no estate items to auction so a decision has been made to flip-flop the January and February auctions.

If you have any "*White Elephant*" gear or equipment that is no longer of use to you, please bring it to the January meeting for auction. Remember, all proceeds of the sale are donated to the club. This is a good time of year to house clean, clearing out gear you

no longer need or use, or your XYL or OM has been suggesting deserves a new home! SJRA thanks you for supporting this annual club function. Of course, if you bring something that doesn't sell it'll need to go back home with you.

If you know of any estate items for Estate Auction next month, please notify Ted, W2TAG, or Rick, W2JAZ, as we are hoping to hold this auction at the February meeting.

See you all at the January meeting.

Rick, W2JAZ
SJRA Programs Chairman

Radio Sport aka Contests

John, W2FDJ, johnd152 at verizon dot net

Member's activities

Please send your thoughts and ideas to me at johnd152@verizon.net for publication.

It's been sort of like a Radio Quiet Zone in December with hardly any major contests scheduled over many weeks due to the holidays. However, the next two months will be quite busy (see upcoming contest schedule at the end of this column).

Sam, KF3G, reported during the last 2 meter net of 2016 that he participated in the RAC contest (Dec 17). (Radio Amateurs of Canada). This was a special contest that also celebrated 150 years of Confederation. Canadians used special prefixes like CF1 instead of VO1, CG4 instead of VE4 and so on.

Members also were busy chatting about contest related items in the first two Monday night SJRA 2 meter nets of 2017. One of the topics discussed was code practice. Frank, AA2AW, was working to refresh his copy speed. Matt, N2IDW, recommended that you can listen to CNN news in CW. I found the following URL for more info on this.

<http://forums.qrz.com/index.php?threads/cnn-news-in-morse-code.214442/>

Sam, KF3G, reminded the group about the excellent ARRL code practice schedule and that mp3 files are also available for download from the ARRL (along with the text file to check your copying).

<http://www.arrl.org/code-practice-files>

And I told the group about a program

(Continued on page 8)

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 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 Room 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 K2AA Repeater or from Mary Von Lintig, KV2M, 856-772-6475

EMAIL: sjra@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

Officers

President: Ken Botterbrodt, K2WB
Vice Pres.: Jon Mac Millan, W2MC
Treasurer: Ray Golley, N3RG
Rec. Sec: Lou Priestley, N2HQL
Cor. .Sec: Dennis Cioffi, AC2FO

Directors:

Roy Herman, WB2EOD
 Rich VonLintig, KV2R
 Rick Lawn, W2JAZ
 Ira Weinstein, W2IRA
 Tony Canuso, N2ATB
 Ted Dean, KD2ARD
 Al Witner, N3AVT

Committees:

Historian: Mark Walter, KD2JPW
Membership: Alan Handley, K3WWT
Field Day: Ken Botterbrodt, K2WB
Contests: John Doran, W2FDJ
Repeater: Joe Fisher, KC2TN
Programs: Rick Lawn, W2JAZ
H&W: Roy Herman, WB2EOD; and Dara Herman, KC2THQ
Awards: Rick Lawn, W2JAZ
Hospitality: Jean Priestley, KA2YKN
Nets: John Fogleboch, WY2J
Publicity: Vacant (Please Volunteer)
Picnic: Vacant (Please Volunteer)
Ways & Means: Ray Golley, N3RG
Property: Jon Mac Millan, W2MC
Web Site: Ira Weinstein, W2IRA

Harmonics Staff:

Publisher/Editor: Ted Groke, W2TAG
Alternate Editor: Rick Stoneking, W2RDS
Circulation: Mary VonLintig, KV2M; Jim Vecchiola, KR2T

 ★ 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/sections/?sect=SNJ> ★
 ★*****

LOCAL WEEKLY NETS

Monday	K2AA, Medford	145.290 @ 8PM
Fusion on 2 ND & 4 TH Thurs. and 10M on 3 RD Thurs.	Various Locations	28.405 @ 8PM 145.290 @ 8PM, Fusion

Harmonics Deadline

Articles submitted for the next Harmonics will be accepted until Monday, February 6, 2017. Email: ted.w2tag@gmail.com

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 Board of Directors Meeting Jan. 4, 2017

Special Note !: at 1855 on this day, K2WB admitted he made a mistake.

The meeting opened at the Gibson House at 1931, with Ken, K2WB chairing the meeting.

The minutes of the December 2016 meeting were approved as printed in Harmonics, motion N2HQL/N2ATB.

Ray, N3RG made the treasurers report, 32 paid up members so far.

Membership, by Ted, KD2ARD, : he has some applications out, but none have been returned. Ken stated that all Centennial members are eligible to roll in to regular membership if they pay dues.

Centennial QSO party results: High score in each category will receive on years dues- Non-member-Steve, KZ2I, Member- John, W2FDJ. Not qualifying as a separate note, Top centennial member was W2SJ. KZ2I, Steve Sullivan was formally accepted as a regular member. Motion-KD2ARD/N2HQL.

Corresponding Secretary report,

Charles Jenkins (Former president) W2OGZ became S/K.

The repeaters are reported as working well.

Contests: Ken, K2WB discussed sending a list of Callsigns expecting to work the January VHF contest to the Packrats, and they will return the favor . motion by W2MC/N3AVT- passed.

History- Mark, KD2JPW, Thanked everyone for amateur of the year award. He presented a list of the archive items he has received so far.

Health & Welfare:,Feb Birthdays sent to harmonics. Wife of N3AVT had a heart attack the night of the Holiday Party. A sympathy card will go to the family of W2OGZ.

VE- 190 tests passed so far- (Both new hams and upgrades)

Web team- trying to get a meeting together to establish a group to bring in content.

Field day 2017 is 170 days away.

It is time for Ken to start appointing members to a nominating committee.

Adjournment at 2040.

Minutes by Lou, N2HQL, Rec. Sec.

Items for Sale

50 Foot Free Standing Tower (not heavy duty). Tower is on the ground in two pieces that bolt together at the 30 foot level. \$100.

All proceeds from the sale of this item will be donated to SJRA.

Contact Ted, W2TAG

Tabernacle, NJ

ted.w2tag at gmail dot com

(609) 268-8460

Noise Floor Report Does Not Inspire Confidence

Dan, KB6NU, *cwgeek at kb6nu dot com*

Last June, the FCC's Technical Advisory Committee asked licensed and unlicensed users of the electromagnetic spectrum to answer some questions about the noise they were experiencing and whether or not it was affecting their services. Specifically, they asked:

- ◆ Is there a noise floor problem?
- ◆ Where does the problem exist? Spectrally? Spatially? Temporally?
- ◆ Is there quantitative evidence of the overall increase in the total integrated noise floor across various segments of the radio frequency spectrum?
- ◆ How should a noise study be performed?

Well, the results are in, and Radio World recently published a summary of the responses that the FCC received (<http://www.radioworld.com/business-and-law/0009/noise-floor-where-do-we-go-from-here/338242>). The FCC received 93 replies from 73 (great number, eh?) different people or organizations, including:

- ◆ 23 companies/industry organizations
- ◆ 39 RF professionals (broadcast and wireless)
- ◆ 31 licensed radio amateurs
- ◆ 9 responders did not reply to the questions asked

Respondents included the ARRL, the Society of Broadcast Engineers, the National Association of Broadcasters, the National Public Safety Telecommunications Council, ATT, and the National Electrical Manufac-

turers Association. I found especially interesting comments from the Society of Broadcast Engineers. They include:

- ◆ Increased cooperation is needed between manufacturers of Part 15 devices and users of radio spectrum to identify noise sources and take appropriate remedial action.
- ◆ Radiated emission limits below 30 MHz in the FCC Part 15 rules for unintentional emitters should be enacted. There are presently no radiated emission limits below 30 MHz for most unintentional emitters.
- ◆ Reduced Part 15 limits for LED lights should be enacted to be harmonized with the Part 18 lower limits for fluorescent bulbs.
- ◆ Better labeling on packaging for Part 18 fluorescent bulbs and ballasts to better inform consumers of potential interference to radio, TV and cellphone reception in the residential environment.
- ◆ Specific radiated and/or conducted emission limits for incidental emitters, such as motors or power lines, should be enacted.
- ◆ Conducted emission limits on pulse-width motor controllers used in appliances should be enacted.
- ◆ Substantially increase the visibility of enforcement in power line interference cases.

Other organizations made similar comments.

While the report is encouraging, it won't mean a thing if no action is taken on these issues. Given that the FCC is cutting

(Continued on page 8)

Special Event Station K7Z will commemorate Zane Grey's birthday on January 28-31, 2017

Payson, Arizona -- Sponsored by the Tonto Amateur Radio Association, Inc. and the Northern Gila County Historical Society that operates The Rim Country Museum and The Zane Grey Cabin. Members of our amateur radio association will be active from January 28 - 31, 2017 using the call sign K7Z from their own QTHs as well as from the Zane Grey Cabin in Payson, AZ.

Preferred frequencies will be in the General band segments. Like Us? Spot Us!

An event QSL card will be available:

<https://www.qrz.com/db/k7z>

QSL Info:

Direct Only - Your Card and SASE, Sorry No eQSL, LOTW or Bureau. Non-USA, Please enclose 2 US Dollars for return Postage. Send a SASE (self-addressed stamped envelope) for a commemorative QSL card to:

Tonto Amateur Radio Assoc., Inc.
PO Box 765
Payson, AZ 85547

Zane Grey was an author and master of the American western novel. An Ohio born dentist, Pearl Zane Grey spent many years under the Mogollon Rim writing "To The Last Man" and a dozen other Westerns with Arizona settings and characters. His prolific writings popularized the American cowboy as a taciturn, romantic figure.

2016 Award Winners:

Technical Achievement – Joe, KC2TN

Gordon Kressel – Carol, K2BL

Amateur of the Year – Mark, KD2JPW

VE Team Recognition – Burton, NJ2IT

Youth, Bobby, KD2AWE

Youth – Holden, KD2JPV

Youth – Zachary (no call)

President’s Award – Holden, KD2JPV

Special Recognition – Ken, K2WB

PRINTING • DIGITAL PRINTING • WIDE FORMAT OUTPUT • LAMINATION • MOUNTING

PRINTING

SANDOVAL
Graphics & Printing L.L.P.

(856) 435-7320

Congratulations to South Jersey Radio on your Centennial

9 Minnetonka Road • Hi-Nella, NJ 08083
printing@sandovalgraphics.com



FILM OUTPUT • OFFSET PRINTING • COMPLETE GRAPHIC DESIGN • HIGH RESOLUTION • PROMOTIONAL PRODUCTS • GREENING • EMBROIDERY • SILK SCREENING



Mark and Riz - Amateur of the Year



Technical Achievement - with BOD



2016 Award Winners



2016 Party Group Shot

(Noise Floor Report from page 4)

back on its field offices, and our president-elect has said that he plans to reduce the number of governmental regulations, I'm not optimistic that we'll see the noise situation get better before it gets worse. What do you all think?

•••••

When he's not battling the noise floor at his QTH, Dan blogs about amateur radio at KB6NU.Com, writes the "No Nonsense" amateur radio study guides and teaches ham classes. You can contact him by e-mailing cwgeek at kb6nu dot com.

Charles H. Jenkins III W2OGZ SK

Charles was a past president of the SJRA (from 1957 until 1958). He loved radio controlled airplanes, camping, and traveling with his family.

Presentations Note

I'm still looking for a presentation for the march meeting. Let me know if you've got an idea or would like to present something that would be of interest to the membership.

One thought was to have a series of short video presentations by SJRA members showing their shacks. If this appeals to you and you would like to present a short video tour of your shack let me know ASAP.

Rick, W2JAZ
SJRA Presentations Chairman

(Radio Sport aka Contests from page 1)

called rufzXP that I used in the past. Dom, KD2EPM, wasted no time and in less than a week he got the program and reported that he thought it would help him.

The name of the program translates to "listening to calls" and what it does is playback actual international call signs and you type in how you copied them. The program shows you characters you missed and keeps score. The software challenges you by increasing the send speed slightly each time you get the previous call correct. Miss one and it slightly slows, miss a couple and the program keeps backing the speed down till once again you copy correctly.

The program keeps track of all your attempts so you can easily gauge your improvement. If you want you can upload your latest score to an international database (top list) to see how you compare with others. They use CPM (characters per minute - to get WPM divide by 5). The rufzXP program is used yearly in officiated high speed CW contests by the IARU (International Amateur Radio Union) since 1925 this organization has been a watchdog and spokesman for Amateurs worldwide.

RUFZXP is a free download at:

rufzxp.net. (It runs on Windows.)

Recent posted results (see arrl.org or CQ)

Please send me your summary sheet so I will be able to list your claimed score.

John/W2FDJ

- ◆ ARRL 2016 10 meter Contest (1 log filed)
- ◆ John, W2FDJ 27 QSO's 1,596 points

(Continued on page 9)

(Radio Sport aka Contests from page 8)

- ◆ ARRL 2017 RTTY Roundup (1 log filed) John, W2FDJ 209 QSO's 11,913 points

Upcoming contests (see arrl.org or wa7bnm.com for rules and more details.)

- ◆ 10-10 International Winter (10mtr Ph)
- ◆ 2/3-5, Fri 7PM EST to Sun 7PM
- ◆ CQ WW RTTY WPX 2/10-12, Fri 7PM EST to Sun 7PM
- ◆ ARRL International DX Contest CW 2/17-19, Fri 7PM EST to Sun 7PM
- ◆ North American QSO Party RTTY 2/25-26, Sat 1PM EST to Sun 1AM
- ◆ ARRL International DX Contest SSB 3/3-5, Fri 7PM EST to Sun 7PM



WORLDWIDE DISTRIBUTION



Ken Hartley
Manager
N2OHD

1509 N. Dupont Hwy. #7
New Castle, DE 19720
(302) 322-7092 • 800-644-4476
(302) 322-8808 Fax
newcastle@hamradio.com

ANAHEIM, CA • ATLANTA, GA • BURBANK, CA • DENVER, CO
NEW CASTLE, DE • OAKLAND, CA • PHOENIX, AZ • PLANO, TX • PORTLAND, OR
SALEM, NH • SAN DIEGO, CA • SUNNYVALE, CA • WOODBRIDGE, VA

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

Email Ted, W2TAG, with your
listing, ted.w2tag at gmail dot com

President's Message

Ken – K2WB

2017 is finally here, I like to wish everyone a very Happy and Healthy New Year. It is finally here and the 100th anniversary celebration has ended. Already I tried to find someone to talk to on the repeater to be the last to use /100 at the end of the call sign.

Congratulations to the participants in the SJRA QSO party. It was long week of fun.

Highlights:

- ◆ Bob, W2SJ - First Place Centennial Member.
- ◆ Ron, W5RKN - First Place in the number of contacts including 84 satellite contacts.
- ◆ John, W2FDJ - First Place overall SJRA Member.

Congratulations to all of the award winners of the SJRA awards this year.

I would like to thank the BOD and Membership for the special plaque that was giving to me at the party.

With the help of the Board of Directors and others I have compiled a list of Top 10 things to do in 2017. These are in no particular order.

- ◆ Check into the SJRA Nets (we have two).
- ◆ Help an older Member come to a meeting
- ◆ Participate in a Club sponsored contest like November Sweeps or VHF Contests
- ◆ Help a new ham get on the air
- ◆ Help with Field Day

(Continued on page 10)

(Presidents Message from page 9)

- ◆ Volunteer for a committee

Show children or someone amateur radio

Encourage someone to join the SJRA

Make a suggestion to the Board of Directors

Write an Article for Harmonics or the web site

Our treasurer Ray, N3RG, has indicated that renewals have been coming in. If you have not renewed your membership please do so soon. Don't forget to update your information such as email address and mailing address so that you can continue to receive Harmonics.

Please indicate if you want to receive Harmonics by regular mail with your renewal.

The club has an email list that is a great way to reach out to all of 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 to receive harmonics by email. If we have your email address you will be receiving an email from sjra-members-request *at* mailman *dot* qth *dot* net inviting you to join the list or you can join directly 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 *at* mailman *dot* qth *dot* net and it will go to all of the members in the list automatically.



SJRA Membership Renewal Begins January 1st, 2017.

This is just a brief reminder that DoozRdo on January 1, 2017. 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.

<http://www.sjra.org/sites/default/files/2015%20Renewal.pdf>

Thanks, Happy New Year and 73,

Ray Golley - N3RG

Treasurer, SJRA

552 Newport Rd

Millville, NJ 08332-7821



Test Session Report for January 11, 2017

The SJRA would like to congratulate the following on their recent Amateur Radio licensing achievements:

Ronnie L. Miller Jr. WA2PIG
346 Jacobstown Cookstown Rd.
Wrightstown, NJ 08562
Earned his General

William Z. Fisher
Ohio Trail
Medford, NJ 08055
Earned his Tech

	Tech	General	Extra	Total
To Date	113	53	26	192

SJRA Jackets, Shirts, Hats

Order NOW - Next order going in soon!



Spring Jacket is \$44 (S,M,L,XL), Fall Jacket is \$55 (S,M,L,XL),
Shirts are \$27 (S,M,L,XL), Hats are \$20 (*New Lower Price*, 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 second Wednesday of each month. The location is: 443 Commerce Lane, Suite 5, West Berlin, NJ 08091. Registration is at 7:00 PM and testing begins at 7:30PM. 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.

January Meeting:

Is the **Fourth** Wednesday, January 25, 2017

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

Program For January:

White Elephant Auction. Please help the club and donate something for this auction.

SJRA Member February Birthdays

Martin Conrad, WB2EHY; Ted Groke, W2TAG; Jack Imhof, N2VW; Harry Kingsmill, K1NGY; Shawn MacDonald, K2SMD; Michael McDowell, W2MHM; Riley Stoneking, N2RAS; Leonard Warren, KD2FMV; Noah Weinstein, KC2YAT.

The health and welfare committee wishes all a happy healthy prosperous new year

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

February Meeting:

Is the **Fourth** Wednesday, February 22, 2017

First Class Mail

South Jersey Radio Association
PO Box 1026
Haddonfield, NJ 08033

