

# The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

[www.hcarc.us](http://www.hcarc.us)

December 2017

Toms River, NJ

## HOLIDAY LUNCHEON TO REPLACE OUR DECEMBER MEETING



**We will not be meeting at the Holiday City South Clubhouse on Dec 7.** Instead, our holiday luncheon is scheduled for Thursday, December 7<sup>th</sup> at "Italy's Best" restaurant, located at 652 Route 70 in Lakehurst.

**The start time is 2:00 PM** and the menu consists of Veal, Chicken or Spaghetti with meat balls. Bread, salad, soda, water, coffee and desert are also included. A cash bar is available.

The restaurant address is 652 Route 70, located in the Lakehurst Circle Center off Route 70. Lilac Street is just before the Lakehurst plaza and Myrtle Street is just into the circle. Either street will get you into the plaza. The phone number is (732) 657-1666. We will be in a private room in the rear of the restaurant.

## License Exam Session Report



Nicholas Marrero of Manalapan, who now holder of KD2OPQ, passed Technician test at our November VE session.

At our October session, HCARC member John Perry KD2NDY passed his General Class test. Congratulations John!

The Holiday City ARC holds VE testing (FCC license exams) at Holiday City South club house located at 139 Santiago Drive (at Mule Rd), Toms River, NJ on the second Wednesday of each month at 6:30 PM in Room 1 of Building A.

The testing is done on a scheduled basis only (no walk-ins). Two pieces of identification are required and one must be a picture ID such as a driver's license. The fee is \$15.00 by check payable to the American Radio Relay League; cash will also be accepted.

If you currently have an amateur radio license, bring the original and a copy. If you have a CSCE from a previous testing session please bring that also.

For registration and to confirm a seat please contact Larry Puccio, K2QDY, at 732 349-2950.

## We All Say Happy Birthday To:

Urb LeJeune WLUL

Anthony Lipetri KD2HIT

John Sawina NA2R

Eric Schwab KD2JUL

Elaine Morton

Pat LeJeune



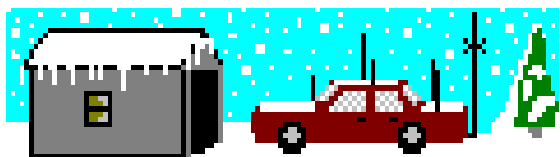
## And A Happy Anniversary To:

Dave WA2DJN and Sandy Ottenberg



**NEXT REGULAR MEETING:**  
**Thursday January 4 at 7:00 PM**  
**Bldg A, Meeting Rm. #1**  
**Holiday City South Clubhouse A**  
**Santiago Drive at Mule Road**  
**Toms River, NJ**

## Heading South For The Winter?



We wish you a pleasant trip. And we'd like to remind every HCARC member that **dues** are due on January 1. Now is a good time to pay our Treasurer, Larry Puccio, K2QDY. Dues are \$25 per year due January 1. You can see Larry in person, or mail a check, payable to Holiday City Amateur Radio Club, to:

Larry Puccio, 22 Sabinas St, Toms River, NJ 08757

## Ocean County ARES® News

December 2017



The next meeting of Ocean County ARES will be Wednesday, December 20th at 7:00 PM, Ocean County EOC, Robert J. Miller Airpark. This will also be the annual Holiday Party/Dinner. Come out and help us celebrate another successful year. All food and refreshments will be provided. Bring your appetite. I will also have ARES shirts for those who ordered and have not yet picked up.

For those operators who want to display your ham callsign on your New Jersey license plate, this is the link to the pdf application:

<http://www.state.nj.us/mvc/pdf/Vehicles/SP-23.pdf>

The instruction sheet for the application is here:

[http://www.state.nj.us/mvc/pdf/Vehicles/info\\_sheet\\_org\\_plates.pdf](http://www.state.nj.us/mvc/pdf/Vehicles/info_sheet_org_plates.pdf)

The cost is a one-time fee of \$15.00 December 2<sup>nd</sup>, 2017, is Skywarn Recognition Day and takes place from 0000Z to 2400Z. Skywarn recognition Day was developed in 1999 by the National Weather Service and the American Radio Relay League. It celebrates the contributions that volunteer SKYWARN™ radio

operators make to the National Weather Service. During the day, SKYWARN™ operators can visit NWS offices or contact other NWS offices via radio. More info is available at:

<http://www.arrrl.org/skywarn-recognition-day>

Last month I displayed some pictures of where the Berkeley D-Star antenna would be located on the Berkeley Municipal Tower. I have good news. The antenna will now be close to the top on the Southern leg of the tower with the tip of the antenna at 120 feet above ground elevation. The antenna should be in-place before the end of the year. All other electronics and cables have already been installed and a modification application has been submitted to ARCC for the new location.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

## Sidebands

In last month's issue, I showed how multiplying the instantaneous values of a wave of one frequency by the instantaneous values of a wave of another frequency produce a wave which contains two new frequencies. The new frequencies are the sum and difference frequencies. For example:

In a simple AM transmitter, such as in a CB rig, one place waveform multiplication occurs is the final RF amplifier. It's called High Level Amplitude Modulation.

The RF "carrier" frequency is the RF input, and the audio power to that stage is the other input. The output is the sum (upper sideband) and difference (lower sideband) frequencies.

Because a lot of DC is added to the audio, the output also has a strong "carrier" frequency, midway between the sidebands. (DC has a frequency of zero, so the RF output also contains the carrier frequency plus or minus zero.)

The upper sideband sub-spectrum is simply a copy of the audio sub-spectrum, shifted in frequency. The lower sideband is like a mirror image of the upper sideband, so only one sideband is really needed. The "carrier" signal is only needed by simple AM receivers.

All modes of modulation produce sidebands, and in ham radio, it's the operator's responsibility to keep them within the band limits.

## Meet Paul Dobrolovich



Paul Dobrolovich is a new member to our club having joined after a renewed interest in amateur radio. He works for the NJ Department of Corrections as a State Corrections Officer. Paul is licensed as KD2ARV and obtained his license in 2011. In September 2017, Paul upgraded to the General Class license.

Paul utilizes a Yaesu FT-60R HT and incorporates a Comet M-24 magnetic mobile mount when in his car. At the present time Paul only works the JSARS and the HCARC nets.

Even though he has been licensed since 2011, Paul's interest in amateur radio has resurfaced recently and has caused him to upgrade to General Class as well as to begin learning the technical aspects of the hobby.

A friend of Paul always spoke to him about how great a hobby amateur radio was for him. This convinced Paul to obtain his Technician License. After a period of time without being active in the hobby Paul now aspires to learn Morse Code and to learn more about electronics in general. He is also looking into purchasing a HF transceiver but is taking his time to evaluate the different options.

Paul enjoys camping, hiking, and fishing and remembers trips he took with his father to Lake Gananoque, Canada. There they stayed at Tedford's Lodge enjoying fishing vacations. Paul also traveled to Hawaii on his honeymoon in 2005 and went on an 8

day cruise spending 5 days in Maui. He has also taken cruises to Mexico and to islands in the Caribbean.

Paul lives in Toms River with his wife Julie, his daughter Shaylin, and their dogs, Harley and Lexie. He is a Freemason and belongs to the Masonic Temple on Route 37, Sunrise Lodge #288.

### Our VE Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,  
Urb [W1UL](#), John [KQ4WR](#), Stan [KB2PD](#), Steve [N2WLH](#),  
Murray [KD2IN](#), Paul [N2QXB](#), Larry [WA2VLR](#), Tony [KD2GSO](#).  
*License exams are given by appointment at 7:00pm on the second Wednesday of each month at Holiday City South Clubhouse, Bldg A, which is at the corner of Mule Rd. and Santiago Dr. Call Larry Puccio, K2QDY, at 732-349-2950 for an appointment.*

*Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Clubhouse A is the building nearest the street corner.*

### CLUB COMMITTEES

*Refreshments:* Tony [KD2GSO](#) 732-930-5779  
*Webmaster:* Steve [N2WLH](#) N2WLH@yahoo.com  
*Publicity:* Paul [N2QXB](#) 732-279-3911  
*Programs:* Tony [KD2GSO](#) 732-930-5779  
*Sunshine:* Dave [WA2DJN](#) WA2DJN3@verizon.net  
*Field Day:* Larry [K2QDY](#) 732-349-2950  
*VE Sessions:* Larry [K2QDY](#) 732-349-2950  
*Membership:* Doug [KC2TZC](#) 732-928-2316

### Holiday City Amateur Radio Club

Toms River, New Jersey

Web Site [www.hcArc.us](http://www.hcArc.us)

<b>President</b>	<b>Joe Fiorino</b>	<a href="#">KC2OAN</a>	732 512-4296
<b>Vice President</b>	<b>Billy Locke</b>	<a href="#">KD2MHA</a>	973 835-1651
<b>Treasurer</b>	<b>Larry Puccio</b>	<a href="#">K2QDY</a>	732-349-2950
<b>Secretary</b>	<b>Marge Penn</b>	<a href="#">KD2LNT</a>	732-736-0115
<b>Executive Board</b>	<b>Doug Poray</b>	<a href="#">KC2TZC</a>	732-928-2316
<b>Executive Board</b>	<b>John Roberts</b>	<a href="#">KQ4WR</a>	732-966 4665
<b>W2HC Trustee</b>	<b>Larry Puccio</b>	<a href="#">K2QDY</a>	732-349-2950

Membership is open to all interested persons. Ham license is not required. Dues are \$25.00 per year, payable Jan 1<sup>st</sup>. Members joining during the year will have the dues prorated. Family membership \$30.00 per family.

Meetings are held on the first Thursday of every month, at 7:00 pm, except December.

Location: Meeting Room #1 in the Holiday City South Clubhouse A.

Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Turn into the parking lot from Santiago Drive and park near the pool. Enter the building nearest the street corner.-

The SKYHOOK is published monthly as the HCARC's official newsletter.  
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e-mail [KQ4WR@arrl.net](mailto:KQ4WR@arrl.net) 732 966 4665

December						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 Skywarn Day
3	4 Noon Lunch at Lisa's	5 HC Net 7pm 146.655,-	6	7 HCARC Party 2:00 pm see page 1	8	9
10	11 9:00 am Breakfast at HC Diner	12 Hanukkah* & HC Net 146.655,-	13 License Exams 7:00 see page 3	14	15	16
17	18 Noon Lunch at HC Diner	19 HC Net 7pm 146.655,-	20 ARES Meeting	21	22	23
24	25 Christmas	26 HC Net 7pm 146.655,-	27	28	29	30
31		*First full day				