

The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

July 2020

Toms River, NJ

The HCARC President's Message



Carl Lee W2PTZ

June 22, 2020

Here we are just 5 days before Field Day.

I hope everyone is well and staying safe.

The new knee is coming along but I am still a long way from being very active.

I will probably not be active in Field Day so for those who will participate I wish you good propagation.

Looks like the July meeting will be another Zoom meeting.

If anyone has an idea for a program please let me know.

I hope everyone has been operating during this time and getting antenna projects done.

73,

Carl

W2PTZ

Birthdays And Anniversaries For July

Happy Birthday to:

John Hann K2JWH

Carl Lee W2PTZ

Stan Stafiej KB2PD

Lucille Hann

Florence Schwab



Happy Anniversary to:

John and Lucille Hann

Larry and Grace Puccio

Islands On The Air

Islands On The Air is a world wide contest for all radio amateurs.

It's sponsored by the RSGB (Radio Society of Great Britain).

Even the islands of New Jersey are on the list.

Check out the FAQ (frequently asked questions) at:

<https://www.rsgbcc.org/hf/information/iotaFAQ.shtml>
and go collect some islands.

OUR NEXT ZOOM MEETING:
Thursday July 2nd at 7:00 PM
Due to the Pandemic, our in-person meetings have been replaced by virtual meetings on-line. Call Larry Puccio 732-349-2950 for information.

Ocean County ARES® News

July, 2020

On May 30th Ocean County ARES participated in the Red Cross Emcomm Exercise, which was a nation-wide drill. A half dozen Ocean County ARES operators acted as shelter communicators and transmitted specific Red Cross forms to WX2NJ (Ocean County EC), who then forwarded the messages to the Section Emergency Coordinator (SEC) for SNJ ARES. The messages were sent to WX2NJ either via FLDIGI/FLMSG over the 449.825 MHz repeater in Toms River or by Packet Winlink over VHF node WX2NJ-10. The messages from all six shelters were sent to WB2ALJ via FLDIGI/FLMSG over 449.825. The entire transfer took approximately three minutes, which consisted of six full pages of information. If this info had been sent by voice, the transfer would have taken significantly longer and the room for error is very great.

Once WB2ALJ had the messages, they were sent to a central Red Cross agent by NJ2N and KB2RUV via ARDOP Winlink on HF. No Internet was used during the entire transfer process, which was one goal of the exercise.



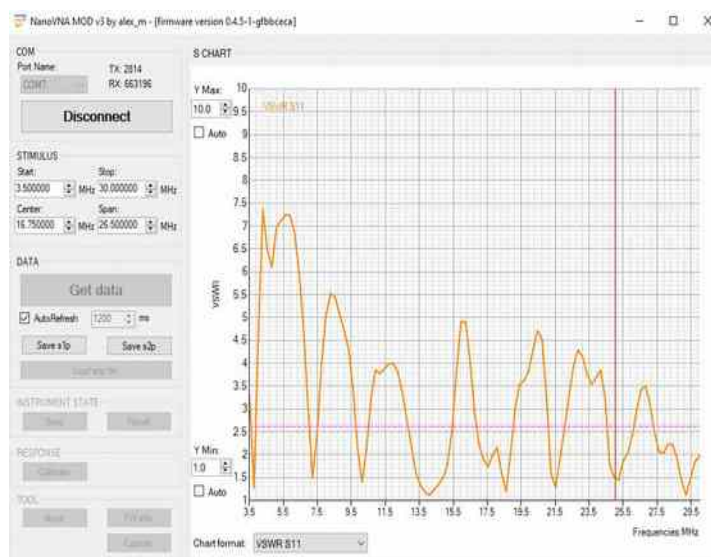
WX2NJ transferring Red Cross messages to SNJ SEC, WB2ALJ

I would like to congratulate Paul, KB2RUV, for an appointment by N2XW as SNJ Assistant Section Emergency Coordinator (ASEC), Operations – Digital.

Per N2XW: “Paul has extensive experience with digital communications and remote station operations. He will be leading the SNJ section efforts for enhancing our digital message handling protocols, such as NBEMS

and Winlink in collaboration with SEC and others.”

Looking for an inexpensive project to assist you with Amateur Radio? You may want to look into the NanoVNA device, which many operators are very excited about. The most important application of the VNA (Vector Network Analyzer) is the SWR function. The screen shot below is a trace of the SWR for a GAP Titan multiband antenna. The frequency spread chosen was 3.5 to 30 MHz. The NanoVNA can easily be paired to your PC via a USB cable and a simple Windows program can fully control the device. Commercial VNA's can sell for \$100,000, while the NanoVNA is under \$100. If you are trying to tune a gamma match on an antenna, the NanoVNA makes the job simple.



GAP Titan Multiband HF Vertical Antenna SWR

Most operators will be operating from home this year for Field day. N2XW has asked if you are operating from home for Ocean County ARES, please submit your report under the name “Ocean County ARES”. We also have permission to operate from the parking lot of the Ocean County EOC at Miller Airpark. There will be no restrooms opened and all operations need to be during daylight hours. Social distancing rules are in effect, so operators would most likely be operating from mobile setups. If you are interested in operating from Miller, please coordinate with NJ2N or KB2RUV.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

A Book Every Ham Should Have

There's always something new in Amateur Radio.

Whether you're an Old Timer at the hobby or just getting your feet wet, you can benefit from this publication. It seems like someone put the answers to almost all the questions that hams ever ask into one basic book.

It's not the ARRL Handbook, which goes much deeper into radio engineering, and has a great and proud history of its own.

It's the **ARRL Operating Manual**.

Here's a list of the eight chapter titles:

Assembling a Station

Basic Operating Procedures

HF Digital Communications

VHF/UHF FM Repeaters, Digital Voice and Data

VHF/UHF Beyond FM and Repeaters

Amateur Satellites

Image Communications

Portable and Mobile Operation

And great charts and tables like:

US Amateur Bands

IUC Table of Call Sign Allocations

Morse Code and Morse Abbreviated Numbers

Prosigns

Q Signals and CW Abbreviations

Phonetic Alphabets

RST System

Radiogram Message Form

ARRL Numbered Radiograms

General Message Form

ARES Application Form

WAS (FCC Districts) Map

North America Grid Locator Map

Application Forms for various ARRL Awards

Coaxial Cables & other Feed Lines

ARRL DXCC List (with Callsign prefix, Entity name, Continent, and ITU Zone and CQ Zone)

All that for \$24.95 is a bargain at www.arrl.org

-John Roberts KQ4WR

Our VE Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,
Urb [W1UL](#), John [KQ4WR](#), Stan [KB2P](#), Steve [N2WLH](#),
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: Marge [KD2LNT](#) pearl1122@comcast.net

Webmaster: Steve [N2WLH](#) N2WLH@yahoo.com

Programs: (open)

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

President Carl Lee [W2PTZ](#) 732 575-7558

Vice President Billy Locke [KD2MHA](#) 732 281-0151

Secretary John Perry [KD2NDY](#) 732-349-2705

Treasurer Larry Puccio [K2QDY](#) 732-349-2950

Executive Board Doug Poray [KC2TZC](#) 732-928-2316

Executive Board John Roberts [KQ4WR](#) 732-966 4665

W2HC Trustee Larry Puccio [K2QDY](#) 732-349-2950

Membership is open to all interested persons. Ham license is not required. Dues are \$25.00 per year; payable Jan 1st. 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 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.
Editor and Publisher:

John Roberts [KQ4WR](#) 7 Lincoln Ct. Whiting, NJ 08759-1505
e-mail KQ4WR@arrl.net 732 966 4665

The ITU Phonetic Alphabet

No, I don't mean the International Phonetic Alphabet (or IPA), which has an entirely different purpose.

The ITU Phonetic Alphabet (or NASA Phonetic Alphabet), was the work of the International Civil Aviation Organization, so it's really the ICAO Alphabet.

It's been in use for over 100 years (since March 1956).

It is the standard for APCO (Association of Public-Safety Communications Officials-International), ARRL, IATU (International Amateur Radio Union), IMO (International Maritime Union), ITU (International Telecommunications Union), NATO (North Atlantic Treaty Organization), and the US Federal Government including the Coast Guard, FAA, FBI, FCC, Army, Navy, Air Force and the new Space Force.

Consider how the Phonetic Alphabet's words were chosen:

Each word, of course, had to start with the letter of the alphabet it represented.

No two could sound enough alike to be confused, even under battle conditions.

Each word had to be a common word of English, French, and Spanish.

Each word had to be pronounced pretty much the same regardless of nationality.

After a lot of work, the list finally was (and still is):

Alfa, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliet ("JEW lee ett"), Kilo, Lima, Mike, November, Oscar ("OSS cah"), Papa ("pah PAH"), Quebec ("keh BECK"), Romeo ("ROW me oh"), Sierra, Tango, Uniform (either "YOU nee form" or "OO nee form"), Victor ("VIC tah"), Whiskey, X-ray, Yankee, Zulu.

For the numerals, just say the individual numerals in English, except that Five is a little more like ("FY ov"), and Nine is more like ("NINE er").

Our June VE Session

The Holiday City ARC held its VE testing session on Friday June 12th 2020 at the Whispering Pines Park located here in Berkeley Township, New Jersey. The park has a pavilion with picnic tables.

There were three candidates and four VE's. The candidates sat at their own tables and the VE's sat across from the candidates.

One of the candidates passed the Technician grade test and the other two, who had taken the Technician Class test last month, passed the General Class.

The session lasted approximately one hour.

As a result of our June VE session, the following have received new licenses:

Robert Mattson, KD2TYE. Bob, who lives in the area and has joined our club, upgraded to General Class.

Anthony Stone upgraded to the General Class and requested his father's old call WA2EDV.

David Palmertree passed the Technician Class and has the call WD2UBZ.

The VE's were:

Stan Stafiej KB2PD,

Steve Jackson N2WLH,

John Roberts KQ4WR,

Larry Puccio K2QDY.

All these VE's hold Extra class licenses.

Whispering Pines Park

Where our VE's have been giving the FCC license exams lately, is located at the end of "Selkirk Ave, Toms River, NJ 08757", but that's the mailing address. It's actually in Berkeley Township.

For a map to the park, open Google Maps and, in the "Search Google Maps" address blank, enter just "39.953, -74.231" (including the comma, space and minus sign, but without the quotation marks).

Larry Puccio K2QDY Worked:

| DATE | TIME | FREQ | MODE | CALLSIGN | ENTITY | LOC | MILES | DIR |
|-----------|-------|--------|------|----------|-------------------|--------|-------|-----|
| 5/23/2020 | 23:25 | 14.031 | CW | 9Z4Y | Trinidad & Tobago | FK90hm | 2183 | SSE |
| 5/23/2020 | 23:30 | 14.034 | CW | UD4F | Russia, European | LO23me | 5059 | NNE |
| 5/24/2020 | 23:01 | 14.012 | CW | HB9LCA | Switzerland | JN37wg | 3948 | NE |
| 5/24/2020 | 23:05 | 14.006 | CW | HC5AI | Ecuador | FI07mb | 2980 | S |
| 5/24/2020 | 23:09 | 14.006 | CW | YU7QF | Serbia | | | |
| 5/25/2020 | 22:01 | 14.013 | CW | ON4AWX | Belgium | JO21if | 3709 | NE |
| 5/27/2020 | 21:44 | 14.013 | CW | R3GG | Russia, European | K085ss | 4717 | NE |
| 5/27/2020 | 21:49 | 14.017 | SSB | YU7QF | Serbia | | | |
| 5/28/2020 | 00:45 | 10.106 | CW | HB9CVQ | Switzerland | JN47ei | 3967 | NE |
| 5/28/2020 | 00:51 | 7.027 | CW | LY100LY | Lithuania | KO15kg | 4267 | NE |
| 6/02/2020 | 21:32 | 14.012 | CW | IZ4ZZB | Italy | JN54pm | 4181 | NE |
| 6/02/2020 | 21:37 | 14.009 | CW | 404T | Montenegro | JN92gk | 4566 | NE |
| 6/03/2020 | 20:53 | 14.009 | CW | SM5DYC | Sweden | JO89hw | 3915 | NE |
| 6/03/2020 | 21:08 | 28.420 | SSB | K0EED | MN | EN16ow | 1225 | WNW |
| 6/03/2020 | 23:06 | 14.008 | CW | CT3MD | Madeira Is. | IM13tb | 3195 | E |
| 6/08/2020 | 15:37 | 28.455 | SSB | VE2CSI | Canada, NE Quebec | FO60te | 804 | NNE |
| 6/10/2020 | 15:49 | 28.400 | SSB | KW7Y | WA 98282 | CN88se | 2419 | WNW |
| 6/11/2020 | 20:44 | 14.005 | CW | OZ4UN | Denmark | JN65ux | 4235 | NE |
| 6/12/2020 | 21:12 | 14.005 | CW | LZ2HR | Bulgaria | KN33mf | 4887 | NE |
| 6/12/2020 | 21:24 | 14.012 | CW | LB6GG | Norway | JO28wt | 3586 | NE |
| 6/12/2020 | 21:33 | 14.029 | CW | RT5T | Russia, European | K085ss | 4717 | NE |
| 6/12/2020 | 21:45 | 14.029 | CW | HA7RY | Hungary | JN97op | 4402 | NE |
| 6/12/2020 | 22:00 | 14.021 | CW | DP79DARC | Germany, FedRepOf | | | |
| 6/12/2020 | 23:18 | 14.022 | CW | CT3MD | Madeira Is. | IM13tb | 3195 | E |
| 6/14/2020 | 16:13 | 28.426 | SSB | KC4TVZ | GA | EM84be | 664 | SW |
| 6/14/2020 | 19:55 | 28.058 | CW | W9SA | IN | EN71hg | 591 | WNW |
| 6/15/2020 | 18:55 | 28.375 | SSB | WA6TQT | CA | DM13qm | 2367 | W |
| 6/15/2020 | 19:03 | 28.400 | SSB | WD4PQW | FL | EM60pu | 941 | SW |
| 6/15/2020 | 19:03 | 28.400 | SSB | KY4TT | AL | EM64pr | 774 | WSW |
| 6/17/2020 | 23:22 | 28.355 | SSB | NV4H | FL | EL86ux | 1009 | SSW |

Some DX Opportunities

In alphanumeric order of Callsign

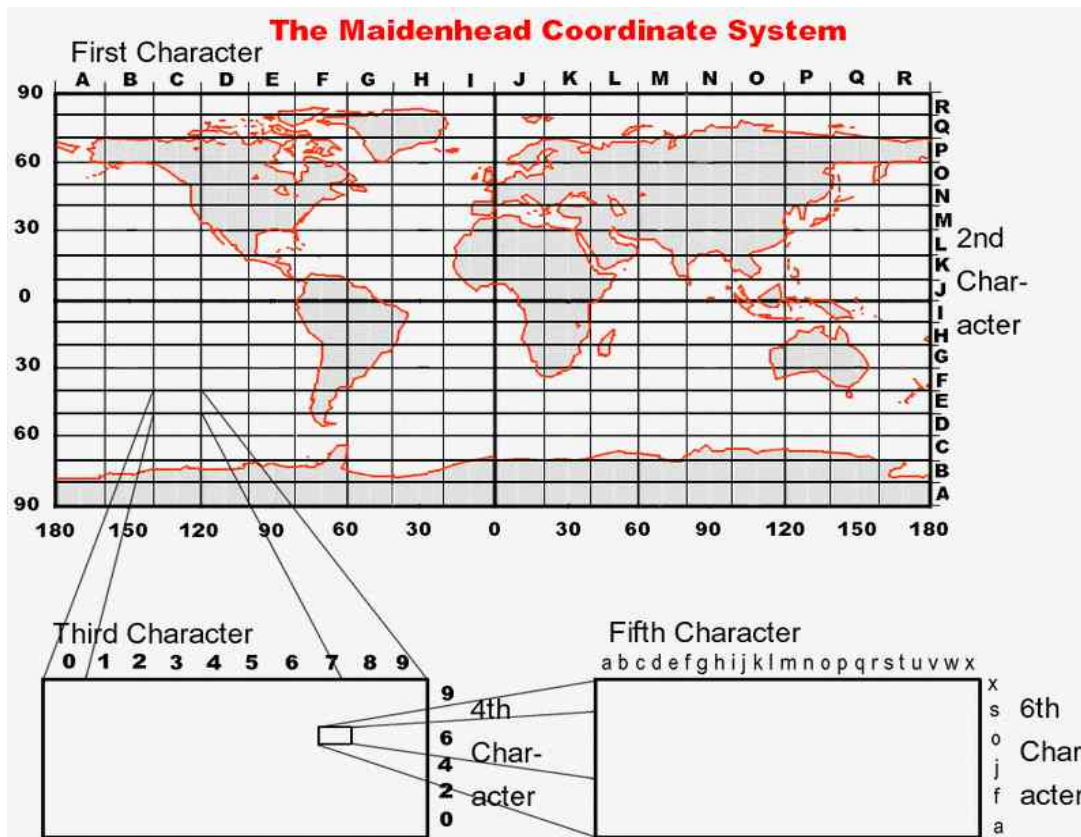
Italics if over 6000 miles

Mode codes: 8 = JT8, c = QRS CW, C = CW, D = Digital, J = JP4, P = PSK31, R = RTTY, S = SSB, T = SSTV.

Bands: "Low" usually means 160, 80 & 40m.

Many thanks to NG3K, Wikipedia, Google Maps, the ARRL, the RSGB, DXW, TDDX & QRZ.com for the data.

| START | FINISH | ENTITY | CALLSIGN | IOTA | BANDS | MODES | QSL via | LOC | Miles | Dir | Info by |
|--------|--------|---------------|------------|--------|--------|--------|------------|--------|-------|-----|---------|
| Mar 01 | Nov 01 | Tonga | A35JP | OC-049 | 160-6 | C S 8 | JA0RQV | AG29ma | 7693 | W | TDDX |
| Mar 07 | Jan 01 | St. Martin | T00A | NA-105 | | | LoTW | FK881b | 1655 | SSE | TDDX |
| Mar 02 | Dec 31 | Afghanistan | T6AA | | 160-10 | | S53R | MM44nm | 6790 | NNE | TDDX |
| Jun 15 | Jul 15 | Guantan. Bay | KG4MA | NA-015 | 80-10 | S 8 | TBA | FK29kv | 1388 | S | TDDX |
| Jul 29 | Aug 15 | Uganda | 5X1RI | | 80-10 | C S 8 | LoTW | KJ60gi | 7090 | E | TDDX |
| Jul 01 | Jul 11 | Balearic Is | EA6/DK5ON | EU-004 | 40-6 | CR 4 8 | LoTW | JM19mm | 3968 | ENE | DK5ON |
| Jul 24 | Jul 26 | Liechtenstein | HB0/HB9HBY | | 80-6 | C S 8 | EB7DX | JN47sa | 4026 | NE | DXW.Net |
| Jun 27 | Jul 03 | Svalbard | JW7QIA | EU-063 | 6 | | LA7QIA Dir | KQ26nn | 3695 | NNE | LA7QIA |



| July | | | | | | |
|--------|--------|---------|---|--|--------|-----------------------------|
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| | | | 1 OC ARES digital 7:30 voice 8:30 | 2 HCARC ZOOM Meeting 7:00 PM | 3 | 4 Independence Day |
| 5 | 6 | 7 | 8 OC ARES digital 7:30 voice 8:30 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 OC ARES digital 7:30 voice 8:30 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 OC ARES digital 7:30 voice 8:30 | 23 | 24 | 25 Islands On the Air |
| 26 | 27 | 28 | 29 OC ARES digital 7:30 voice 8:30 | 30 | 31 | |