



The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

September 2020

Toms River, NJ

Our President's Message

As summer starts to come to a close, I hope everyone is well, and planned antenna projects are underway.

Our next Zoom meeting is September 3rd.

I will send out the information for the meeting closer to time. Attendance at these meetings has been small and I would like to know why. Please let me know why you have not been attending.

I have no idea for a program for the next meeting so I am asking for ideas and someone to present it.

We shortly will be having an election of officers for the next year. The positions up for election are President, Vice President, Secretary and Treasurer. I will not be running for President. If you are interested in any of these positions please let me know.

73,
Carl
w2ptz

Happy Birthday To:

Steve Jackson N2WLH
Janice Loscalzo
Jeanne Poray



Happy Anniversary To:

Michael and Candice Larkins
Doug and Jeanne Poray

August 2020 VE Session



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

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

The candidates were:

- Danny Rossi (now KD2ULN) Technician test
- Gary Szabo (now KD2ULL) Technician & General tests
- Kieran Pillion (now KD2ULM) Technician test
- Jason Spiecker (W2XJS, ex-KD2UFR) General test
- David Cline (KD2SIN) Extra class test

The session lasted approximately one hour.

VE's participating were

- John Roberts KQ4WR Extra class license
- Steve Jackson N2WLH Extra class license
- Tony Kuzinski KD2GSO Extra class license
- Larry Puccio K2QDY Extra class license

Our Next ZOOM Meeting

Because of the Coronavirus, our September 3rd "meeting" will be a ZOOM one. Contact Carl Lee W2PTZ (see page 3) to "attend".

Ocean County ARES® News



September, 2020

The next VE Session of Ocean County ARES will be September 15th at the Ocean County EOC. An appointment is required. Contact Lead VE, N2LD for an appointment. Masks are required and the session is setup for social distancing.

At the last VE Session, Pete, K2PSG was cleaning out the county storeroom of obsolete equipment and I saw a piece of gear that caught my eye.



It is a Gonset Communicator III from the 1950's. I asked Pete if I could take it and do some restoration work on it and turn it over to a local museum. After some Internet searching I was able to obtain an operational manual and schematic for the unit. It is all tube, 2 meter AM, crystal controlled transmit (six possible frequencies – three are installed), with a power output of 6 watts. The receiver is 2 meter AM VFO with a "Spot" or beat function to be able to pinpoint the transmit frequency on the receiver dial easily. The unit

works on 120 VAC or 12 VDC, depending how you wire a 12 terminal Cinch-Jones connector on the back. It can use a carbon or crystal element microphone and has a back panel switch for proper biasing. The Communicator III also has a Public Address (PA) function if you connect an external bullhorn. This particular model is yellow since it was made for Civil Defense (CD) use. You can find a lot of Communicator III transceivers on eBay, but they are usually a tan color. After obtaining the correct connector for 120 VAC operation, I was able to energize the unit with a Variac and slowly raised the operating voltage to 120 VAC to condition the old electrolytic capacitors. The microphone cord was broken in several spots and that had to be replaced. To my surprise, the transceiver tuned right up with ample output and modulation. The receiver lacked the sensitivity of today's radios but worked. The PA function also worked fine.

My plan is to demonstrate the unit at an ARES meeting in the future before turning it over to a local museum. Now for a Paul Harvey, Rest of the Story moment.

Right after I received the Communicator III, I was contacted by a local ham, Duane Schenone - N2GIY, who had some older ham gear to donate to a club like ARES. In one of the boxes of donated gear, I found a picture of N2GIY (Then KA2YKZ) that appeared in the Daily Observer on April 1, 1967.



MESSAGE RECEIVED: – During civil defense exercises, Duane Schenone, Toms River, an Explorer Scout, is busily taking simulated problem communications relating to fallout shelters in Ocean County, stressing intra-county C-D activities implementing Community Shelter Plan. Observing from left, are Ocean County C-D personnel: Les Parker, administrative clerk; Dick Mahaffey, Chief C-D coordinator and Freeholder Robert J. Miller, department of public safety chairman. *April 1, 1967*

You will notice that Explorer Scout Duane Schenone, KA2YKZ, was using a similar Gonset Communicator during a Civil Defense exercise. The gentleman in the

background on the right, is Freeholder Robert J. Miller, who the airpark was named after and where the current Ocean County EOC is located. Small world!

The United States Air Force and Army MARS and the Department of Defense will be holding its 4th quarter communications exercise in October. The DOD COMEX 20-4 is planned to be a month long series of events including: WWV/H broadcasts, 60 meters interop with amateur radio, interop with ARRL Simulated Emergency Test (SET), and interop with ARRL National Traffic System (NTS) and culminating in support to a National Capital Region continuity of operation exercise.

Additional information will be sent via groups.io for Ocean County ARES.

73 de WX2NJ 732 269-6379

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

A Correction

Bob W2OD points out an error in our August issue:

“On the last page of the August issue, you commemorate the 75th anniversary of the atomic bomb. Unfortunately, the uranium and plutonium were reversed. The “fat man” design was for plutonium which imploded a sphere of plutonium to achieve critical mass. The “little boy” design used a gun barrel to slam a cylinder of U-235 into a sub-critical target of U-235 and was used on Hiroshima. The reason I know all of this is that I just finished a book called “Countdown 1945” by Chris Wallace that details the history between when Truman was sworn in as President (when he first learned of the Manhattan Project) and the bombing of Japan. I highly

recommend the book to anyone interested in the bomb and why it was used.”

Thank you, Bob,
I stand corrected.
John 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
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Grounding And The Ham Radio Operator

By Larry Puccio, K2QDY

Correct Bonding and Grounding is important for personal safety as well as equipment protection. Bonding is the method of interconnecting equipment so as to keep potential differences as low as possible between different pieces of equipments in the ham shack. To achieve this a copper bar or braided copper strip shall be mounted behind the ham radio desk and all the grounding wires from the ground lugs on the equipment shall be connected to this bar or strip. The ground bar or strip will bond all the equipment together to prevent accidental currents from one piece of equipment to another. This can happen if a component inside a piece of equipment comes in contact with the chassis. A fault from a power transformer to the chassis can place high voltage on the chassis. The ground bar or strip must be bonded to an external ground system. The minimum ground bonding wire shall be no smaller than a number 6 wire. The external ground system shall consist of ground rods driven into the earth. The minimum length of the ground rod shall allow at least eight feet of the bar being in contact with the ground. The ground rods shall be solid copper or can be steel with copper cladding. The ground rods must be bonded together and must also be bonded to the house AC ground rod. The spacing of the ground rods shall be no closer than the length of the rods. The bonding of the ground system should be accomplished using exothermic welding, however, crimp type copper connectors may also be used and the interconnecting bonding wire shall be no smaller than number 6 stranded copper wire. Coax connectors shall be brought into the radio room through a grounding plate that is bonded to the grounding system. There are a number of manufacturers the can supply grounding plates for coax connectors and also that have spark plug type arrestors mounted to the ground plate to accommodate open wire or ladder line transmission lines. This discussion is not a complete discussion about lightning protection and more detailed information can be found in the American Radio Relay League handbook or in the National Electrical Code

handbook. Remember these recommendations will not prevent a lightning strike but they will help minimize the damage of an induced voltage caused by a nearby strike.

Heart Attack And Water

By Joe Militano KC2QLA

From: Anthony Napoleone <twnapoleone@att.net>

Date: August 15, 2020 at 7:35:51 AM EDT

Subject: Fw: Heart Attack and Water - I never knew all of this !

One of my friends sent this to me and I thought this was good information to pass along to my friends.

Heart Attack and Water - I never knew all of this !
Interesting.....

Always talk to YOUR doctor!

Something else I didn't know ... I asked my Doctor why people need to urinate so much at night time. Answer from my Cardiac Doctor - Gravity holds water in the lower part of your body when you are upright (legs swell). When you lie down and the lower body (legs and etc) seeks level with the kidneys, it is then that the kidneys remove the water because it is easier. This then ties in with the last statement!

I knew you need your minimum water to help flush the toxins out of your body, but this was news to me. Correct time to drink water...

Very Important. From A Cardiac Specialist!

Drinking water at a certain time maximizes its effectiveness on the body

2 glasses of water after waking up - helps activate internal organs

1 glass of water 30 minutes before a meal - helps digestion

1 glass of water before taking a bath - helps lower blood pressure

1 glass of water before going to bed - avoids stroke or heart attack

I can also add to this... My Physician told me that water at bed time will also help prevent night time leg

cramps. Your leg muscles are seeking hydration when they cramp and wake you up with a Charlie Horse.

Mayo Clinic Aspirin Dr. Virend Somers, is a Cardiologist from the Mayo Clinic, who is lead author of the report in the July 29, 2008 issue of the Journal of the American College of Cardiology.

Most heart attacks occur in the day, generally between 6 A.M. and noon. Having one during the night, when the heart should be most at rest, means that something unusual happened. Somers and his colleagues have been working for a decade to show that sleep apnea is to blame.

1. If you take an aspirin or a baby aspirin once a day, take it at night.

The reason: Aspirin has a 24-hour "half-life"; therefore, if most heart attacks happen in the wee hours of the morning, the Aspirin would be strongest in your system.

2. FYI, Aspirin lasts a really long time in your medicine chest, for years, (when it gets old, it smells like vinegar).

Please read on...

Something that we can do to help ourselves - nice to know. Bayer is making crystal aspirin to dissolve instantly on the tongue.

They work much faster than the tablets.

Why keep Aspirin by your bedside? It's about Heart Attacks.

There are other symptoms of a heart attack, besides the pain on the left arm. One must also be aware of an intense pain on the chin, as well as nausea and lots of sweating; however, these symptoms may also occur less frequently.

Note: There may be NO pain in the chest during a heart attack.

The majority of people (about 60%) who had a heart attack during their sleep did not wake up. However, if it occurs, the chest pain may wake you up from your deep sleep.

If that happens, immediately dissolve two aspirins in your mouth and swallow them with a bit of water.

Afterwards: - Call 911. - Phone a neighbor or a family member who lives very close by.- Say "heart attack!" - Say that you have taken 2 Aspirins.

Take a seat on a chair or sofa near the front door, and wait for their arrival and ...DO NOT LIE DOWN!

A Cardiologist has stated that if each person after receiving this e-mail, sends it to 10 people, probably one life could be saved!

I have already shared this information. What about you?

Do forward this message. It may save lives!

"Life is a one time gift"

Together we can change. everything!

[This article is not be considered to be, or over-rule, professional medical advice. -Ed.]

Mark And Space

Have you ever wondered where those terms for the two frequencies used when transmitting RTTY messages (teletype) came from?

Sam Morse originally wanted dots and dashes written on a strip of paper by a pen, actuated by an electromagnet. So while current was flowing, it would mark the paper. And leave spaces between them when the current was off. The Marks and Spaces on the paper were then to be examined by the receiving operator and decoded by reference to a book of phrases. Morse hired Alfred Vail, who then created the first Morse Code, telegraph key, telegraph pole, etc.

When not sending messages, the operator was to close a switch shorting the telegraph key, thus completing the circuit for the other stations, and also acting as a wire burglar alarm. Many telegraph keys, like the J-38 model, still include such switches.

When transmitting telegraphy by telephone or radio, the "Mark" frequency represents current flow (key down), and another "Space" frequency means no current flow (key up).

See also <http://www.baudot.net/docs/harvey--mark-and-space.pdf>

Larry Puccio, K2QDY Worked:

Date	Time	Freq	Mode	Call sign	Entity	Loc	Miles	Dir
7/21/2020	20:53	14.019	CW	PT2IW	Brazil	GH49	3800	SSE
7/21/2020	21:05	14.017	CW	YU7QF	Serbia	KN04	4600	NE
7/21/2020	21:16	14.034	CW	OM2VL	Slovak Rep	JO80	4200	NE
7/21/2020	22:55	14.021	CW	MM0GOR	Scotland	IO75	3300	NE
7/21/2020	23:15	7.014	CW	LZ3ND	Bulgaria	KN12	4800	NE
7/22/2020	20:47	14.027	CW	I1ULJ/8	Italy	JN70	4500	ENE
7/22/2020	20:56	14.026	CW	TA7I	Turkey	KN90	5500	NE
7/22/2020	21:57	14.041	CW	DF5RF	Germany FR	JO31	3800	NE
7/22/2020	22:34	14.041	CW	9A3YT	Croatia	JN75	4300	NE
7/23/2020	00:32	7.024	CW	HB9CVQ	Switzerland	JN37	3900	NE
7/23/2020	21:09	14.015	CW	YT9M	Serbia	KN04	4600	NE
7/23/2020	21:36	14.020	CW	HA3FTV	Hungary	JN97	4400	NE
7/23/2020	22:00	14.025	CW	OH0Z	Aland Is.	JP90	4000	NE
7/23/2020	22:30	14.028	CW	CT9ABV	Madeira Is.	IM58	3400	ENE
7/23/2020	22:51	14.020	CW	YV5IUA	Venezuela	FK60	2100	SSE
7/29/2020	22:02	14.010	CW	E74UK	Bosnia-Herz	JN94	4500	NE
7/29/2020	22:42	14.160	SSB	F5RAG	France	JN18	3700	NE
7/29/2020	23:00	14.020	CW	YV5IUA	Venezuela	FK60	2100	SSE
7/29/2020	23:05	14.019	CW	S500E	Slovenia	JN76	4300	NE
7/29/2020	23:20	14.016	CW	XE1I	Mexico	DK99	2100	WSW
7/29/2020	23:49	14.016	CW	HC5AI	Ecuador	FI19	2800	S
7/30/2020	21:10	14.023	CW	SP8ARY	Poland	KO00	4300	NE
7/30/2020	21:20	14.010	CW	F5PXP	France	JN18	3700	NE
7/30/2020	22:09	14.015	CW	HA5OV	Hungary	JN97	4400	NE
7/30/2020	22:12	14.013	CW	PI75KML	Netherlands	JO22	3700	NE
7/30/2020	22:21	14.020	CW	LZ3FA	Bulgaria	KN12	4800	NE
8/08/2020	21:27	14.040	CW	IR6T	Italy	JN62	4300	ENE
8/08/2020	21:29	14.024	CW	EA3X	Spain	IN80	3600	ENE
8/08/2020	22:57	14.025	CW	F6MUX	France	JN18	3700	NE
8/08/2020	23:03	7.026	CW	UB7K	Russia Euro	KN85	5200	NE
8/09/2020	00:43	7.002	CW	DP6A	Germany FR	JO31	3800	NE

We Still Do License Exams

Yes, we do, but outdoors, under a roof, but in a park.
Call Larry Puccio at 732-349-2950 for information and an appointment (required).

Also, Ocean County ARES has a VE session scheduled for Sept 15. An appointment is required. Contact N2LD for information.

Some DX Opportunities

In alphanumeric order of Callsign

Italics if over 6000 miles

Mode codes: 8 = JT8, 9 = JT9, C = CW, D = Digital, E = EME, 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
	<i>Dec 31</i>	<i>Japan</i>	<i>8N1ABIKO</i>	<i>AS-007</i>			<i>bureau</i>	<i>QM05au</i>	<i>6766</i>	<i>NNW</i>	<i>ARLD027</i>
Aug 08	Sep 15	Ghana	9G5GS		80-10m	S	LoTW	IJ95vm	5132	E	DXNews
Sep 04	Sep 18	Malta	9H3TI	EU-023	40-6m	S C	DL2AAZ	JM75ex	4625	ENE	TDDX
Mar 01	Nov 01	Tonga	A35JP	OC-049	160-6m	C S 8	JA0RQV	AG29ma	7693	W	TDDX
Sep 28	Oct 17	Niue	E6AM	OC-040	160-6m	C S R 8	LoTW	AH56bw	7094	W	DXW.Net
Sep 08	Oct 02	Liechtenstein	HB0/DL5YL		160-6m	C s r	DL5YL	JN47sa	4026	NE	TDDX
Sep 08	Oct 02	Liechtenstein	HB0/DL5YM		160-6m	C s r	DL5YM	JN47sa	4026	NE	TDDX
Sep 24	Sep 27	Svalbard	JW/LB1QI	EU-026	160-6m	C S	LoTW	JQ75tf	3566	NNE	DXNews
Aug 24	Sep 20	Greenland	OX3LX	NA-134	40-6m		LoTW	GP38nq	2139	NNE	DXW.Net
Sep 15	Sep 23	Faroe Is	OY/DL2AQI	EU-018	80-10m	S D	LoTW	IP60oa	3133	NE	TDDX
Sep 15	Sep 23	Faroe Is	OY/DL4APJ	EU-018	80-10m	S D	LoTW	IP60oa	3133	NE	TDDX
	<i>2021</i>	<i>Antarctica</i>	<i>RI1ANM</i>	<i>AN-016</i>	<i>40-20m</i>	<i>8</i>	<i>RX3ABI</i>	<i>NC63mk</i>	<i>10540</i>	<i>S</i>	<i>ARLD027</i>
Mar 02	Dec 31	Afghanistan	T6AA		160-10m		S53R	MM44nm	6790	NNE	TDDX
Aug 21	Oct 18	Iceland	TF/DJ7JC	EU-021	160-10m	C 8 R	LoTW	IP15mm	2826	NNE	TDDX
Aug 06	Sep 14	Corsica	TK/DJ0TP	EU-014			LoTW	JN42jn	4135	ENE	425DXN
	<i>2021</i>	<i>Corsica</i>	<i>TK4VQ0</i>	<i>EU-014</i>	<i>160-6m</i>	<i>C S</i>	<i>DL8UW</i>	<i>JN411r</i>	<i>4168</i>	<i>ENE</i>	<i>ARLD027</i>
Aug 22	Sep 05	St Kitts & Nev	V47JA	NA-104	160-6m	S 8	LoTW	FK87pg	1713	SSE	W5JON
Aug 27	Sep 07	Easter I	XR0YHM	SA-001	80-10m	S D	LoTW	DG52hv	5158	SSW	TDDX
Jul 30	Nov 30	Iraq	YI/IU5HWS		40-10m		IU5HWS	LM23aa	6041	NE	DXNews
	Dec 31	Serbia	YU2020IARU					KN04gv	4557	NE	ARLD
Aug 20	Sep 30	South Sudan	Z81D		80-10m	S D	LoTW	KJ54tu	6836	ENE	OPDX
Sep 06	Sep 17	Albania	ZA/OE6TQG		"all"	"all"	OE6TQG	JN91sm	4644	NE	TDDX

Some VP8 Callsigns Cancelled

Stan Stefiej, KB2PD, sent a note that the British have cancelled the VP8 ham licenses for the South Shetland Islands, South Orkney Islands, South Georgia Islands and South Sandwich Islands.

VP8 licenses for the Falkland Islands are not affected.

This may indicate that the British have dropped their claims to those territories. At least that they are no longer considered extensions of the Falklands.

Argentina and Chile have had claims to at least some of them, "so stay tuned".

Need Help?

That's what clubs are for.

Whether you need help putting up an antenna or understanding how your radio works, or repairing a vintage radio, or whatever, just ask.

We'd love to help, or at least find you someone who can.

The Sunspots Are Coming!

The Sunspots Are Coming!

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 7:30 NBEMS net 449.825; 8:30 ARES voice net 449.825	3 HCARC ZOOM Meeting 7:00 PM	4	5 Region 1 Field Day; Colorado QSO Party
6 Tennessee QSO Party	7	8	9 8:00 Skywarn North net 449.825; 8:30 ARES voice net 449.825	10	11	12 VHF 'test; Ohio, TX, & Alabama QSO Parties
13	14	15 VE Session at Ocean Co EOC, contact N2LD for appointment	16 7:30 NBEMS net 449.825; 8:30 ARES voice net 146.835	17	18	19 NJ, low a, NH, Wisc, & Wash State QSO Parties
20	21	22	23 7:30 NBEMS and 8:30 ARES voice 449.825; 8:00 Skywarn South 146.000	24	25	26 Maine QSO Party
27	28	29	30 7:30 NBEMS net 449.825; 8:30 ARES voice net 449.825			

