

The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

July 2017

Toms River, NJ

July Presentation



Tony Kuzinski KD2GSO will be giving this month's presentation. Ebay Kits, old Heathkits and useful electronic tools will be discussed.

If you have any Heathkits or tools that you find useful in electronics work that you still use, please bring them in.

Al Harbord K2ALF has equipment that he will bring to the July meeting for FREE if anyone is interested in them. If 2 or more members are interested in the same piece of equipment, we will use the 50/50 tickets to decide. See Page 5 for list of equipment.

Happy Birthday To:

John Hann K2JWH

Paul Hansen N2QXB

Carl Lee W2PTZ

Lucille Hann

Florence Schwab



Happy Anniversary To:

Maria and Joe Fiorino

Lucille and John Hann

Debra and Bernie Klocko

Grace and Larry Puccio



FCC Part 97 Ham Radio Changes



FCC WRC-12 Implementation Report and Order has recently been published in the US Federal Register.

The Federal Communications Commission has implemented allocation changes from the World Radiocommunication Conference (Geneva, 2012) (WRC-12) and updated its service rules.

The Commission took this action to conform its rules, to the extent practical, to the decisions that the international community made at WRC-12.

Among the changes are:

- Part 97 - Allocation of 472-479 kHz and 135.7-137.8 kHz bands to the Amateur Service on a secondary basis.
- Part 15 - § 15.113 Power line carrier systems - An electric power utility entity shall not operate a new or modified power line carrier (PLC) system in the 135.7-137.8 kHz and/or 472-479 kHz bands if a previously coordinated amateur station pursuant to § 97.301(g)(2) of this chapter is located within one kilometer of the transmission lines conducting the PLC signal.
- Part 80 to authorize radio buoy operations in the 1900-2000 kHz band under a ship station license.

Editor's notes:

The new allocations are kilohertz not megahertz, so they are "below" the AM broadcast band.

15.113 is supposed to keep "carrier current" control and monitoring systems, used by power companies, from interfering with hams in those bands.

The Part 80 change allows radio bouys to interfere with hams on the upper half of the 160m band.

NEXT MEETING:
Thursday July 6 at 7:00 PM
Bldg A, Meeting Rm. #1
Holiday City South Clubhouse A
Santiago Drive at Mule Road
Toms River, NJ

Joe Cuff W2KWP, Silent Key



It's our sad duty to record the passing of another HCARC member and fine friend.

The following is from the Kedz funeral home on Hooper Ave:

Joseph J. Cuff, Jr., 86 of Toms River, passed away Friday, November 4, 2016. Joseph was an electrical engineer and worked for SIHI Pumps of Canada as a sales representative. He was a proud veteran having served in the US Navy. Born and raised in Newark, he lived in East Brunswick for over 30 years, moving to Toms River in 2000. Joseph was a member of the

Elks, Knights of Columbus and the Friendly Sons of the Shillelagh. He was a Ham Radio operator and enjoyed boating, golfing, coaching and had a love for all aspects of shuffleboard. Joseph loved music and played the piano and the ukulele. He was the band manager for the Irish group Wild Colonial Boys and belonged to a Barber Shop Quartet. He was predeceased by his beloved wife Marion in 1984.

Surviving are his son, Joseph Cuff, III; two daughters, Patricia Coll and Carol Cuff; five grandchildren and one great grandson.

Ocean County ARES® News

There was an Ocean County ARES meeting on Wednesday, June 21. I would like to thank K2PSG for presenting RERP 2017 and KC2OON for presenting a digital training session. Food and beverages were also supplied by RERP funding. Thanks to all that attended.



Pete, K2PSG, presenting RERP 2017 Training

We have been experiencing periodic sensitivity dropout of the 145.170 receiver in Manchester. A damaged duplexer is highly suspected of being the culprit and needs to be tuned/repared/replaced.

I recently found out that the Manchester water tank, where the 145.170 repeater is located, will be painted this fall and all gear has to be off the tank by September 1st, 2017. There will be a temporary monopole at the site for cell antennas only. We are not permitted to use the monopole. Sometime in the immediate future, the repeater will be temporarily moved to a location close to the tank site and this will give us a chance to rework the duplexer. Until the 145.170 repeater can be moved back to a permanent location, the 145.170 nets will be suspended. The repeater will remain available for regular amateur use and ARES emergency use. Be aware, the range may be severely limited due to a temporary location.

All Ocean County ARES weekly nets will be held on 449.825 MHz, WA2RES/R in Toms River. The ARCC has finally granted us full coordination for this machine in the FM analog and Fusion digital modes. The ARCC database should be updated after the annual July business meeting to reflect this coordination.

[continued on next page]

I would also like to thank the following operators who volunteered to support a county wide CERT drill on June 25th (second day of field day, no less):



Keith, KC2OON, Presenting Digital Training

WX2NJ, N2LD, K2PSG, KC2OON, KD2NAV, KD2FFR, W2TET.

73 de Bob Murdock, WX2NJ

Ocean County Amateur Radio Emergency Service® EC

Try Our 2-meter Net Tuesdays At 7:00 PM.



WA2JWR Repeater 146.650 (-.6, no PL req'd), linked to 146.880 (-.6, PL 94.8) in Brick,

also 445.575 (-5, PL 94.8), and Echo link 330923.

Many thanks to Lee Kissel for the use of his repeater system.

Lee Kissel has kindly allowed us to use this repeater for our net on Tuesdays at 7:00 PM.

For anyone not familiar with a net, just listen in and you will get the hang of it, but ours is now an informal

one anyway.

Please remember to give your callsign at the end of each transmission.

Join in and help make this a weekly occurrence.

-Tony

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 7pm 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 information.
 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 intersection.

CLUB COMMITTEES

Refreshments: John Rogers & Tony Kuzinski
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

President	Tony Kuzinski	KD2GSO	732-930-5779
Vice President	Paul Hansen	N2QXB	732-279-3911
Treasurer	Larry Puccio	K2QDY	732-349-2950
Secretary	Marge Penn	KD2LNT	732-736-5953
Executive Board	Doug Poray	KC2TZC	732-928-2316
Executive Board	John Roberts	KQ4WR	732-350-1162 ext 33
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.
Location: Meeting Room #1 in the Holiday City South Clubhouse.
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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Meet Joe Fiorino KC2OAN

A Meet the Members feature by Doug Poray KC2TZC



Joe Fiorino has recently joined our club and has taken an active interest in amateur radio.

He has spent his career in the realty field and was first licensed in 2005.

After passing the Technician Grade License, Joe quickly upgraded his license to General.

He has the call sign KC2OAN and uses both a Baofeng H/T for 2 meter operation and an Alinco DX-SR8 for HF. As his favorite bands are 2 meters and 10 meters, Joe has a vertical antenna for 2 meters and a dipole for 10 meters.

The dipole is installed in his attic and performs well. Joe has recently become interested in the digital portion of amateur radio and is rapidly climbing the learning curve.

Joe frequently speaks of his brother Fred, KA2DZT, who is very knowledgeable in the electronics field. Joe consults his brother often and regards him as a very helpful Elmer.

Joe became interested in amateur radio when he was an army radio operator and looks back on his first Field Day as a most memorable experience.

President's Corner



This month I would like to talk about the weekly Tuesday night net.

I have enjoyed hosting this net (along with Paul Hansen) and there have been some very good discussions.

One week we had 2 amateurs check in with "no traffic".

You may have noticed that I no longer send out reminders as this net has been active since November 2016.

I would like this net to evolve to the next step to becoming an informal meeting place for HCARC members as well as any other amateurs that would like to join in the conversation.

Since July 4th is a Holiday I will not be hosting the net (but this in no way prevents you from using this time slot to talk).

On July 11th, at 7:00 pm, the only thing you will hear from me is "KD2GSO listening".

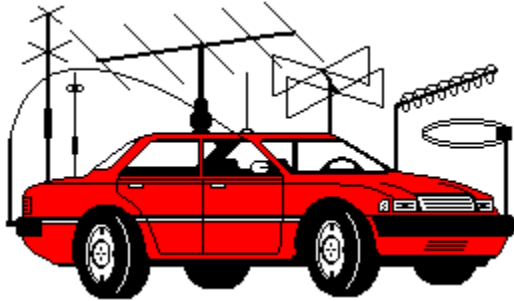
The transition from formal to informal net will give more people the chance to start topics that they are interested in, involve more people, and the opportunity to ask the more experienced members of the club technical questions we may have.

Thank you to the members that have taken time out of their schedules to participate in the weekly net and hope that you continue to participate.

73,

Tony

Fox Hunting, Anyone?



One of the fun games of ham radio is searching for a hidden transmitter. It's called a **fox hunt**.

Besides being a game, the practice comes in handy when you're trying to locate the source of a strange signal or noise on your favorite band, or even an emergency beacon frequency.

Fox hunting doesn't require speed, physical effort, technical knowledge, or special equipment (although a directional antenna will help).

A ham, designated as the Fox, goes to some reasonably accessible location like a parking lot, with a transmitter, while the hunters wait in their cars in a designated parking lot. There's usually two in each car, one as a driver, the other as a navigator.

The hunt begins with a transmission from the Fox, and all hunters use various methods to take bearings.

Then, they all drive off hopefully toward the source, maintaining radio silence (so as not to give away your plan). More bearings are taken, preferably on hilltops, along the route.

As each car arrives at the Fox, the Fox acknowledges the hunters, records their callsigns and the time, and sends them away to hopefully mislead the other hunters.

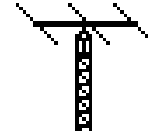
After an hour or two, the hunt is over, and all have

returned to the starting place. The first one to find the Fox gets to be the next hunt's Fox.

There are all sorts of variations, but that's the way we did it in Huntsville.

John, KQ4WR

Free Ham Equipment



Al Harbord K2ALF has the following equipment that he will bring to the July meeting for FREE if anyone is interested in them. If 2 or more members are interested in the same piece of equipment, we will use the 50/50 tickets to decide. Al will bring the following equipment.

Heathkit digital frequency counter IM-2420 (512 MHz) –As any piece of test equipment it should be calibrated annually. There is a way to calibrate it using the internal 10 MHz time base. Sadly I cannot find the manual.

Kenwood TM-701A Dual band (2 meter/440) mobile radio. The 440 side works but the 2 meter has no RF out anymore. Without doing any troubleshooting I suspect it needs a new power module on the 2 meter side. I don't want to put any money into the radio since I do not want it anymore. I do have the user manual.

Realistic Highball-2 Dynamic Microphone. I used this on HF with a footswitch on my Heathkit HW-101 and then later on the Yaesu FT107M. If you're doing a lot of HF SSB operating, especially contesting, that's the way to go because you have both hands free. Still has the original price sticker on it, \$21.95.

Thank you Al.

Russ Young WA2VQV DX Report

Russ reports that his indoor (2nd floor attic) MFJ Super High Q Loop is back in operation, and doing about as well as a dipole, even on 40m. He sent us a copy of his WPX Contest Cabrillo file which shows 100 contacts. All were made with the indoor loop running 75W on 40m CW. Total time was about 4 hours and 10 minutes.

Entity	Location	Miles	Dir.
Aruba	FK52am	1853	SSE
Austria	JN88de	4362	NE
Belarus	KO34sa	4568	NE
Belgium	JO20ev	3799	NE
Bosnia-Herzeg	JN94aa	4581	NE
Bulgaria	KN12pq	4851	NE
Can: Ontario	E074ma	1139	NNW
Can: P E I	FN86mg	812	NE
Can: Quebec (2)	F053aa	1011	NNE
Can: other (4)			
Croatia (2)	JN75sd	4435	NE

Cyprus	KM65ma	5591	NE
Czech Rep. (3)	JO70ec	4223	NE
Germany	JO31aa	3863	NE
Hungary (4)	JN97nm	4498	NE
Ireland	IO63uh	3318	NE
Italy (2)	JN62ma	4435	NE
Luxembourg	JN39ga	3937	NE
Macedonia	KN06um	4638	NE
Mexico	EL14aa	1673	WSW
Poland (3)	KO00aa	4445	NE
Russia (3)	KO97xp	4798	NNE
Serbia (5)	KN04gv	4652	NE
Slovak Rep.	JO80ac	4288	NE
Slovenia (3)	JN76hc	4364	NE
Spain (2)	IN80dj	3707	ENE
Sweden	JO99bh	4077	NE
Turks & Caicos	FL42aa	1184	S
Ukraine	KO50mm	4829	NE
U S A (48)			
US Virgin Is.	FK78sa	1585	SSE

Some DX Opportunities

Begin	End	Call Sign	Entity	QSL via	C ITU CQ	Grid Miles Dir	IOTA	Modes*	Bands
Jul 13	Jul 20	4L/DL7ZM	Georgia	AD0PY dir	AS 29 21	LN21mm 5646 NE			6m
Jun 27	Jul 08	4V1G	Haiti	W3HMK	NA 11 8	FK49aa 1454 S	NA-096		6m
Jul 18	Aug 01	8Q7PW	Maldives	G4PWO	AS 41 22	MJ64qj 8752 NE	AS-013	SD	40-15m
Jun 26	Jul 06	8Q7RN	Maldives	LotW	AS 41 22	MJ64qj 8752 NE	AS-013	C	
Jun 28	Aug 14	CP1XRM	Bolivia	LotW	SA 12 10	FH75ea 3838 S		SD	
Jun 19	Jul 10	CT8	Azores	DC8TM dir	EU 37 14	IM69jq 3470 ENE	Note 3	S	20-17m
Jul 04	Jul 18	FP/KV1J	St Pierre & Miquelon	LotW	NA 9 5	GN17sa 1014 NE	NA-032	CSRD	160-6m
Jun 29	Jul 09	GD4SKA	Isle Of Man	M0OXO	EU 27 14	IO74sa 3285 NE	EU-116	R	HF
Jun 21	Jul 16	J68GD	St. Lucia	LoTW	NA 11 8	FK94ma 1966 SSE	NA-108		80-10m
May 15	Jul 15	JG8NQJ/JD1	Minami Torishima	JA8CJY	AS 45 27	QL07mm 7256 NNW	AS-030	CR	80-6m
Jun 24	Jul 01	JW7QIA	Svalbard	LA7QIA	EU 18 40	JQ78wo 3526 NNE	EU-026	CSD	6m
Jul 06	Jul 09	LX/PA5X +	Luxembourg	direct	EU 27 14	JN39ga 3842 NE		CS	160-10m
Jul 01	Jul 07	OJOV	Market Reef	ON5TC	EU 18 15	JP90mh 3980 NE	EU-053	CS	80-10m
Jul 20	Jul 24	RI0C	Russia (Asia) note 2	Club Log	AS 34 19	QO16qj 5429 NNW	AS-069	CSD	40-10m
Jul 01	Jul 09	SX9VK	Crete	LotW	EU 28 20	KM18ua 4965 NE	EU-187	CSR	80-6m
Jun 28	Jul 04	T32AZ	E. Kiribati	KH6QJ	OC 61 31	BI50aa 5925 WSW	OC-024		80-10m
Jun 28	Jul 02	T88TJ	Palau	Auto Buro	OC 64 27	PJ77bi 8704 NW	OC-009	SR	40-10m
Jul 29	Aug 06	TX5EG	MARQUESAS	LotW	OC 63 31	BI91we 5379 WSW	OC-027	CS	80-12m
Jun 29	Jul 17	TX5EG	FRENCH POLYNESIA	LotW	OC 63 32	BH52bk 6271 WSW	OC-067		80-12m
Jul 23	Aug 07	V29SH	Antigua & Barbuda	LotW	NA 11 8	FK97cb 1571 SSE	NA-100		30-17m
Jul 01	Jul 09	V4/KE1B +	St. Kitts & Nevis		NA 11 8	FK87qh 1713 SSE	NA-104		40-10m
Jul 12	Aug 05	V47JA	St. Kitts & Nevis	LotW	NA 11 8	FK87qh 1713 SSE	NA-104	S	160-6m
Jun 24	Jul 01	VK9AA	CHRISTMAS I	LotW	OC 54 29	OH29tm 10406 N	OC-002	CSRP	80-6m
Jul 03	Jul 14	XW4XR	Laos	LotW	AS 49 26	OK18ga 8430 N		CR	40-6m
Jul 07	Jul 13	YJ0GA	VANUATU	LotW	OC 56 32	RH42aa 8469 W	OC-035		30-20m
Jul 08	Aug 04	YN2RP	Nicaragua	LotW	NA 11 7	EK72aa 2060 SSW		CSRP	40-10m

*Note 1: MODES: C=CW, D=Digital, F=FM, J=JT, P=PSK, R=RTTY, S=SSB

*Note 2: AS-069 Iony Island (rare)

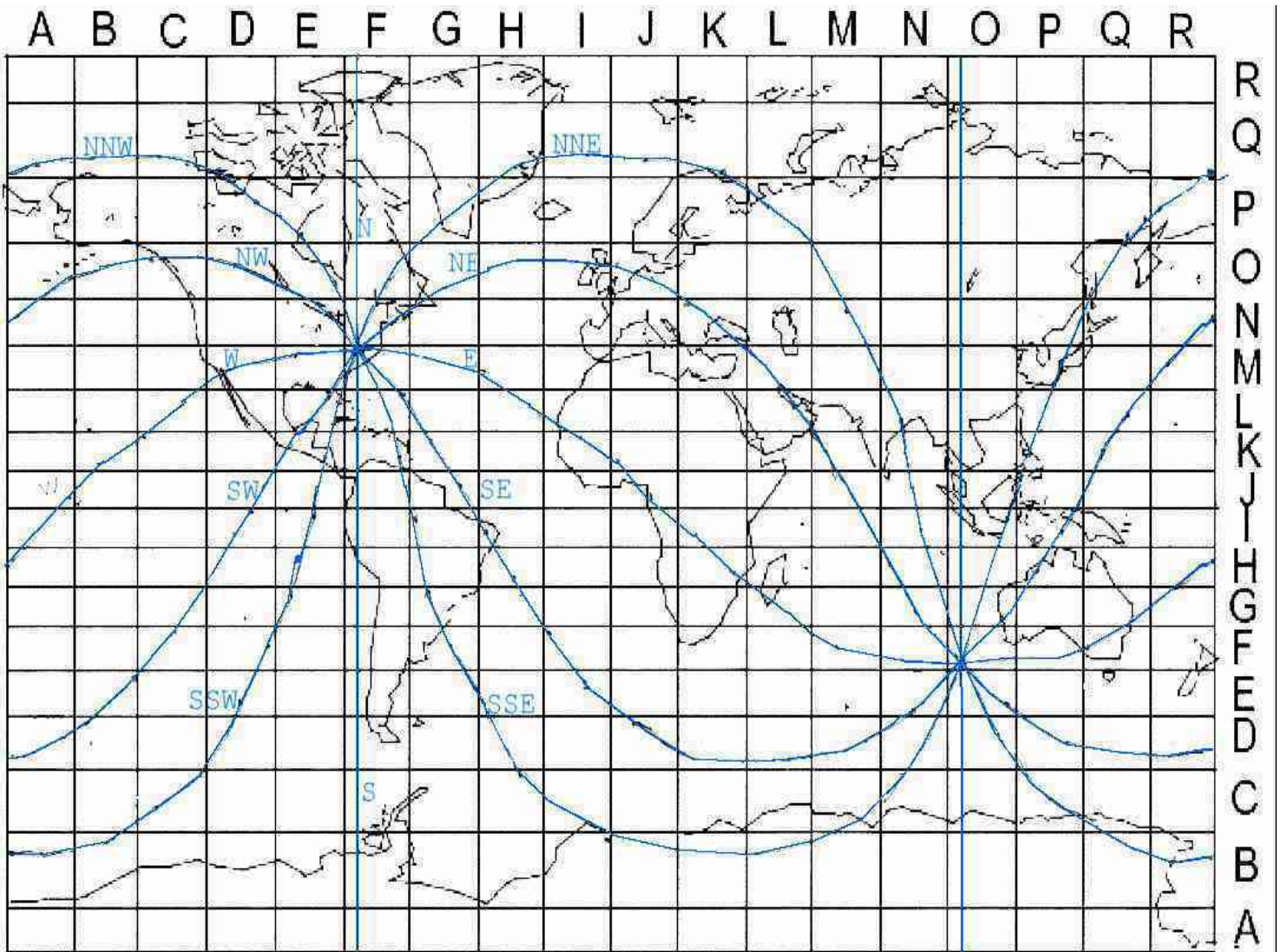
*Note 3: EU-175, EU-089, & EU-003

Field Day Report

HCARC merged with Old Barney ARC for Field Day again this year. Turnout from HCARC was light, but those who did attend enjoyed the good weather and lots of activity. We operated Field Day class 4A, which means four "contesting" stations running simultaneously, on non-commercial power. John Sawina NA2R and Urb LeJeune W1UL could be seen operating SSB, with Keith Yodice KC2OON running digital and Bob Schenck N2OO easily "reeling 'em in" on CW. That's just a few of the many operators who participated. In addition, there was a GOTA (Get-On-The-Air) station, and an extended picnic.



Five stations ready to operate at Wells Mills Park



Wednesday Evening CW Practice

There are six members in our CW study group and they are progressing very well. This week they will finish all the letters of the alphabet and most of the numbers.

I am very proud of the group and can see them on CW very soon.

We practice at 15 words per minute with spacing that gives them time to write the letters and words down.

You would be surprised at how many words you can put together with a just few letters and how they can be constructed into sentences. We practice listening for particular words like "the", "and" and "him."

We have been putting together verbiage for QSO's. For example: calling CQ and giving a call sign, then "your signal report is 599", and "my QTH is Toms River" and "my name is Larry".

This is a new adventure that will have the group on CW very soon.

Larry Puccio

K2QDY

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Noon Lunch at HC Diner	4 Independence Day	5	6 HCARC MEETING 7:00pm	7	8 IARU World Championship
9 IARU World Championship	10	11 9:00am Breakfast at HC Diner	12 6:30 License exams & Morse class	13	14	15
16	17 Noon Lunch at Lisa's Restaurant	18	19	20	21	22
23	24	25 9:00am Breakfast at HC Diner	26 6:30pm Morse Code Class	27	28	29 IOTA Contest
30 IOTA Contest	31 Noon Lunch at HC Diner					