

# The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

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

June 2019

Toms River, NJ

## Murray Goldberg, KD2IN, Silent Key



Dear Friends and Family,

It is with deep sadness that we want to share with you the passing away of our father, Murray Goldberg. He passed away this morning at the hospital in Toms River. He lived a long and interesting life as you all know by his many long discussions sharing his passions. He appreciated all of your love and friendships through his 98 years.

There will not be a funeral at my Dad's request. He will be buried at Beth Moses Cemetery at Pinelawn, L.I., N.Y.

Love and Peace

Dena Lynch and Judy Matthews

Editor's note:

Murray was one of our club's founders. He served the club for four years as President, three as Vice President, one as Secretary, two as Treasurer, and ten as Corresponding Secretary, and many years as a Volunteer Examiner. Until this year, he was an active amateur radio station operator, enjoying even one of the newest digital modes.

73 OM

## 75<sup>th</sup> Anniversary Of D-Day

June 6, 1944 was a major turning point of World War II, for on that day, many of the bravest men of the free nations of the world reclaimed the continent of Europe. It was a bloody battle. 156,115 US, Canadian, and British, 6939 boats & ships, 2395 aircraft, 867 gliders, and 450,000 tons of ammunition, against the German army, machine guns land mines. Many Americans, Canadians and British were wounded, and 4413 died, storming the beaches of Nazi-occupied France. It was by far the greatest battle of its kind, but it was necessary to win the Second World War.

## Updating Our Club And The FCC

If you upgrade your license or change your mailing address, be sure to let us know. To update FCC use:

<https://fcc.gov/wireless/systems-utilities/universal-licensing-system>

Then click File Online, and enter your FRN number & password. ARRL Members may find it easier to use:

<http://www.arrl.org/call-sign-renewals-or-changes>

## The Last Full Weekend In June

That's Field Day, of course. If you don't get on the air any other time, that's the time to do it. It's fun time, outdoor temporary setups, and it's sort of like a contest, but it isn't really. If you've never tried a DX contest, it's a nice gentle way to see if you'd like it.

On-the air contest style action starts at 2pm Saturday and runs all night and 'till at least 2pm Sunday. There's a lot more at <http://www.arrl.org/field-day>

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

## Ocean County ARES® News

June, 2019

On May 3, 2019 an Ocean County ARES Task Book, specific to Ocean County, was issued to all operators active in groups.io. Level 1 is relatively easy and I expect all that are signed up for ARES Connect to be able to complete the requirements over the next year. The proficiency/skill tasks will be demonstrated at upcoming ARES meetings and you will be given an opportunity to demonstrate performance of these tasks using demo gear.

I suggest printing out the task book and keeping it in a dedicated three ring binder with a copy of your license and course certifications. Bring the binder with you to each ARES meeting.

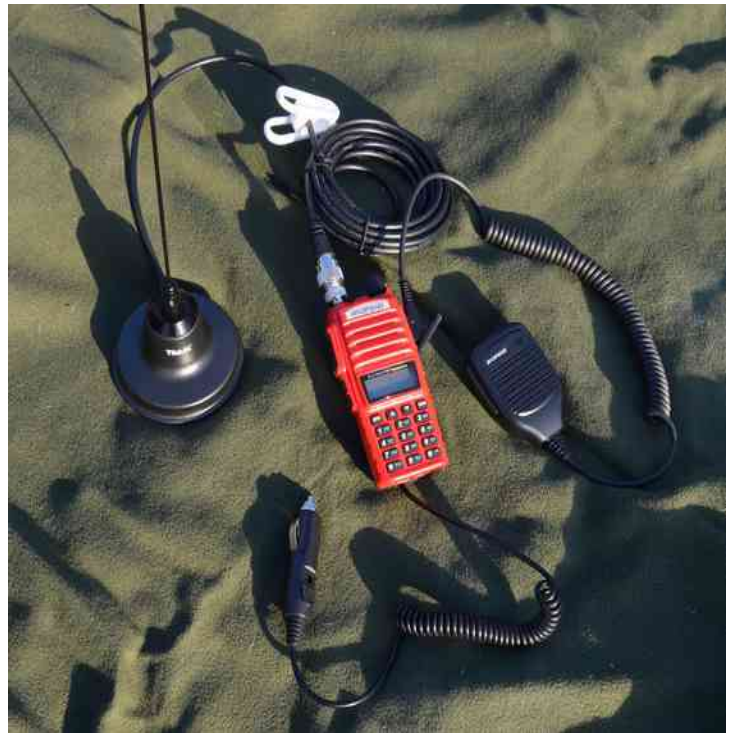
FEMA courses are easy to find by doing a simple Google search on the course number.

ARRL course EC-001 will also be presented in the near future for no charge by SNJ leadership, hopefully at our EOC or nearby.

If you are a current or past First Responder, FEMA may not have a record of the courses you took. It is best to check with the agency you served and ask for a transcript.



*Next is a picture of the Old Barney Amateur Radio Club (OBARC) CommPack contents.*



Old Barney got the radios in flaming red to make them easily distinguishable. The white clip on the coax is for strain relief when the pack is clipped to a car visor. The custom cases (\$9) keep everything nice and neat and ready for use. The foam can be trimmed to eliminate the charging cradle cut out -- being as it probably will not be issued when the pack is signed out. That would make space for the hand mic and battery eliminator in the case proper, as opposed to up in the net pocket. There is also a BTech cable in the net pocket for digital interfacing with a smartphone. The standard issue HT battery and rubber duck are also in the pack for optional use outside a vehicle.

The price runs right around \$150, as seen in the pics. A 5W HT would reduce the price by about \$40.

Contents:

UV82HP -- 8W,

Tram Dual Band Magmount w/SO239 to SMA adapter,

Baofeng Dual PTT Hand Mic,

BTech cable,

Baofeng Battery Eliminator,

Custom UV82 Case

[continued on page 3]

These packs will be issued to Old Barney Amateur Radio Club members who are also ARES members. The packs can be used for emergencies, drills or public service events. Tim - NJ2N, worked with OBARC Executive Board in getting these packs purchased. Thank you OBARC for taking the initiative!

June 1<sup>st</sup> is the start of hurricane season and it runs through November 30. The 2019 season is expected to be 75% of average activity, while the 2018 season was 120%.

Now is the time to get your gear ready and ensure you have a written plan for your family to follow.

The second Wednesday of each month will host a Skywarn net at 8:00 PM on 449.825 MHz, WA2RES/R in Toms River with a PL of 131.8. The skywarn net will precede the Ocean County ARES net at 8:30 PM on the same frequency. Echolink will be activated for both nets and check-ins will also be taken via APRS messaging by sending a message to N2XW. When checking in to the Skywarn net you will need your callsign, first name, location, Skywarn ID number and source of power. These same items should be included in an APRS message should you use this method of net participation.

The next meeting of Ocean County ARES will be on Wednesday, June 19<sup>th</sup> at 7:00 PM at the Ocean County EOC, Robert J. Miller Airpark, Berkeley Township. Refreshments will be provided. Be sure to bring your ARES Task Book. I will be demonstrating several skills and will be signing off task books for those who are ready. There will be no ARES Training Net due to the meeting.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

## FCC License Exams

We give FCC license exams on the 2<sup>nd</sup> Wednesday of each month unless there are no applicants. To take a test for a new license or upgrade, call Larry 732-349-2950 for an appointment.

### Our VE Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,  
Urb [W1UL](#), John [KQ4WR](#), Stan [KB2PD](#),  
Steve [N2WLH](#), Larry [WA2VLR](#), Tony [KD2GSO](#).

*License exams are given by appointment 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  
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>John Sawina</b>	<a href="#">NA2R</a>	908-625-5622
<b>Vice President</b>	<b>Billy Locke</b>	<a href="#">KD2MHA</a>	732 281-0151
<b>Secretary</b>	<b>John Perry</b>	<a href="#">KD2NDY</a>	732-349-2705
<b>Treasurer</b>	<b>Larry Puccio</b>	<a href="#">K2QDY</a>	732-349-2950
<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. Editor and Publisher:

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

## Morse Code's Influence On The Bar Code Invention.

By Urb LeJeune, W1UL urb@ham-cram.com

### Introduction:

Almost 70 years ago, Drexel University graduate students Norman Woodland and Bernard Silver were sitting in a lab where a local business man was asking the department head if he could come up with something to help him identify products and associated parameters such as price. The department head said it couldn't be done. Woodland and Silver looked at each other and said, "There has to be a way."

### Eureka Moment:

Some time later they were sitting on a beach in Florida, and Silver was telling Norman about Morse code, which he had learned in the Boy Scouts. To illustrate his point, he built a few words in the sand using one finger for a dot and two fingers for a dash. Folklore has it that they looked at each other and said, "Eureka." The width of the bars projected a value as did the space between the bars. They applied for a patent, which was awarded on October 7, 1952. Although the concept was sound, it took about 20 years before hardware and software development had the ability to exploit the concept.

### Epilogue:

Today bar coding is ubiquitous. When you check into a hospital, the first thing they do is fit you with a bar coded bracelet with all your vital information. You purchase a ticket to an event, and your name and seat number is bar coded. The list goes on and on.

*When not writing articles for newsletters, Urb is most likely working on his website,*

*<http://ham-cram.com>*

*The site has three distinguishing characteristics:*

- 1. Only correct answers are studied.*
- 2. Only the questions most likely to be on the test are studied.*
- 3. It's free.*

## How To Learn Morse Code

It's no longer a necessary part of ham radio, but many hams still prefer International Morse Code. There are computer programs that decipher the code and display the text. But if you really want to spend all the time and effort to learn to "read code" the traditional way, here's how. Extensive tests done in Germany by Ludwig Koch in 1935 demonstrated that:

1. Learning at a slow character rate is not only a waste of time and effort, but actually hinders progress toward more useful speeds.
2. Visual concepts such as charts of dots and dashes, are very distractive and definitely counter-productive.
3. Student should begin by learning to recognize the spaces between random characters sent as 5-character "code groups" at 12 or 15 words a minute, by simply placing a simple mark, preferably a dot, on the paper where the character would be. Do this for your very first lesson. It may take several minutes to reliably get 5 such marks written for each 5-character "word".
4. For the remainder of the course, every unrecognized character, should likewise to be shown as such a mark.
5. Next, the student should hear 5-character "words" consisting of random mixtures of two rarely encountered characters. The student should learn to write those automatically. (While you're driving a car, you shouldn't have to figure out which pedal works the brakes.)
6. Learning not to think is extremely important, as there will be no time to think when the Morse characters are short ones or the speed is increased. Code speed must be fast enough to prevent the student from thinking of dots and dashes; at least 12 words a minute, and with each "word" having the proper timing of tones and gaps. (not Farnsworth timing, for example) Speed must be high enough to prevent thinking of dots and dashes.
7. Only when 90% accuracy is achieved, can a new character be added. Characters are best introduced one at a time. The least-common characters should be learned first, so they will get plenty practice through repetition.
8. Ideally, the new character's identity should not be

revealed until the student recognises it as a new character.

9. Each practice session must include at least ten instances of each of the characters already learned, lest they be forgotten.

10. The best schedule of classes is a half hour in the morning, and a half-hour in the afternoon, every day, with at least 10 instances of each previously-learned character in each session.

11. Once all 26 letters, 10 numerals, Comma, Period, Question mark, Double-dash, Fraction-bar and End-of-message have been learned, the speed can be increased.

The target was to be able to “read” code groups at 20 words a minute, and telegrams at 25 words a minute. That took the young recruits 28 sessions, at 2 sessions a day every day for 2 weeks.

The “G4FON Koch Trainer” (available free to download at [www.G4FON.net](http://www.G4FON.net)) is the best Morse practice generator I've found, and someone wrote an Arduino version of it.

### Happy Birthday To:

Maria Fiorino

Matthew deRouville K3MR

Mike Graber KD2CDX

Tony Kuzinski KD2GSO



### Happy Anniversary To:

George WB2BNB & Joan Icenhower



## Solder

For good connections, I prefer 63/37 rosin-core solder.

“Sixty three thirty seven”, sometimes called "eutectic" tin/lead solder, is ideally about 63.446% tin, 36.554% lead, by weight.

Because lead atoms, on average, weigh 63.446/36.554 as much as tin atoms, 63/37 alloy has one tin atom neatly paired with each lead atom.

That alloy has the lowest melting point (183C) of any tin/lead mix, so there's less chance of damaging the item you're soldering.

Another advantage is that it solidifies quickly, without going through a mushy stage, during which a slight movement might weaken the joint.

Unfortunately for those of us who like the benefits of 63/37 solder, we're often stuck with substitutes which are not as quite nice to work with.

I would not use any solder with less than 60% tin.

-John Roberts KQ4WR

## Solder Flux

Solder flux is any substance that prepares the surface of metal to accept solder. Most fluxes used by plumbers may corrode copper or at least leave a conducting film on nearby insulating materials, so use only flux that's intended for electronics.

The flux core of any "rosin core" solder should be sufficient for normal hand soldering. Violin rosin should work as a substitute.

Flux that may have found its way onto switch contacts can be removed with rubbing alcohol, but 91% works much better than 70%.

-John Roberts KQ4WR

**Russ Young WA2VQV Worked:**

CALLSIGN	DATE	UTC	FREQ	MODE	ENTITY	GRID	MILES	DIR
AM70E	10-May-19	1946Z	20m	CW	SPAIN	IN80	3705	ENE
AM70C	10-May-19	1951Z	20m	CW	SPAIN	IN80	3705	ENE
UA5C	15-May-19	2111Z	20m	CW	EUROPEAN RUSSIA	KO85	4819	NNE
LZ116RF	15-May-19	2123z	20m	CW	BULGARIA	KN12	4892	NE
CS7AMH	15-May-19	2133Z	20m	CW	PORTUGAL	IM58	3512	ENE
TC1919ATA	15-May-19	2256Z	20m	CW	TURKEY	KM69	5427	NE
PA1CC	18-May-19	0007Z	20m	CW	NETHERLANDS	JO22	3810	NE
LZ497OM	19-May-19	1949Z	20m	CW	BULGARIA	KN12	4892	NE
P4/DL5RMH	19-May-19	2312Z	20m	CW	ARUBA	FK52	1849	S
KP2M	20-May-19	2230Z	20m	CW	U. S. VIRGIN IS.	FK74	1595	SSE
WB2TQE/KL7	23-May-19	0108Z	20m	CW	ALASKA	BP54	3463	NW

**Larry K2QDY Worked:**

Call	Date	Time	Freq	Mode	Entity	Grid	Miles	Dir
WF2T	5/25/2019	14:53	21.026	CW	US	FN30	106	ENE
KP2M	5/25/2019	14:51	21.022	CW	US Virgin Is.	FK78	1625	SSE
PJ4G	5/25/2019	14:49	21.019	CW	Bonaire	FK52	1949	S
CK3AT	5/24/2019	23:26	21.016	CW	Canada	FN04	405	NW
UR7GO	5/24/2019	22:48	14.011	CW	Ukraine	KO50	4732	NE
CK3AT	5/24/2019	22:38	14.008	CW	Canada	FN04	405	NW
YU73BFG	5/24/2019	21:25	14.017	CW	Serbia	KN04	4557	NE
LZ2HR	5/24/2019	21:15	14.006	CW	Bulgaria	KN12	4757	NE
YU7QF	5/23/2019	23:30	14.017	CW	Serbia	KN04	4557	NE
OG0C	5/23/2019	00:43	14.028	CW	Aland Is.	KP34	4068	NNE
E77A	5/22/2019	21:49	14.018	CW	Bosnia-Herzego.	JN94	4485	NE
S57V	5/21/2019	22:23	14.025	CW	Slovenia	JN76	4269	NE
IQ2XZ/8	5/21/2019	21:59	14.025	CW	Italy	JN62	4343	ENE
OK2AN	5/21/2019	21:55	14.020	CW	Czech Republic	JO70	4127	NE
YL3CW	5/21/2019	21:47	14.028	CW	Latvia	KO27	4277	NE
5B4AJC	5/21/2019	21:35	14.011	CW	Cyprus	KM65	5497	NE
UR3HC	5/21/2019	20:28	14.024	CW	Ukraine	KO50	4732	NE
E78IW	5/19/2019	00:28	7.024	CW	Bosnia-Herzego.	JN94	4485	NE
GS0NWM	5/19/2019	23:49	7.016	CW	Scotland	I075	3266	NE
P4/DL5RMH	5/19/2019	23:07	14.031	CW	Aruba	FK52	1915	S
PA1CC	5/18/2019	00:02	14.003	CW	Netherlands	JO22	3687	NE
LZ116RF	4/20/2019	21:19	14.014	CW	Bulgaria	KN12	4757	NE
AM70E	4/20/2019	21:05	14.019	CW	Spain	IN80	3620	ENE
UR7VB	4/20/2019	00:41	7.018	CW	Ukraine	KO50	4732	NE

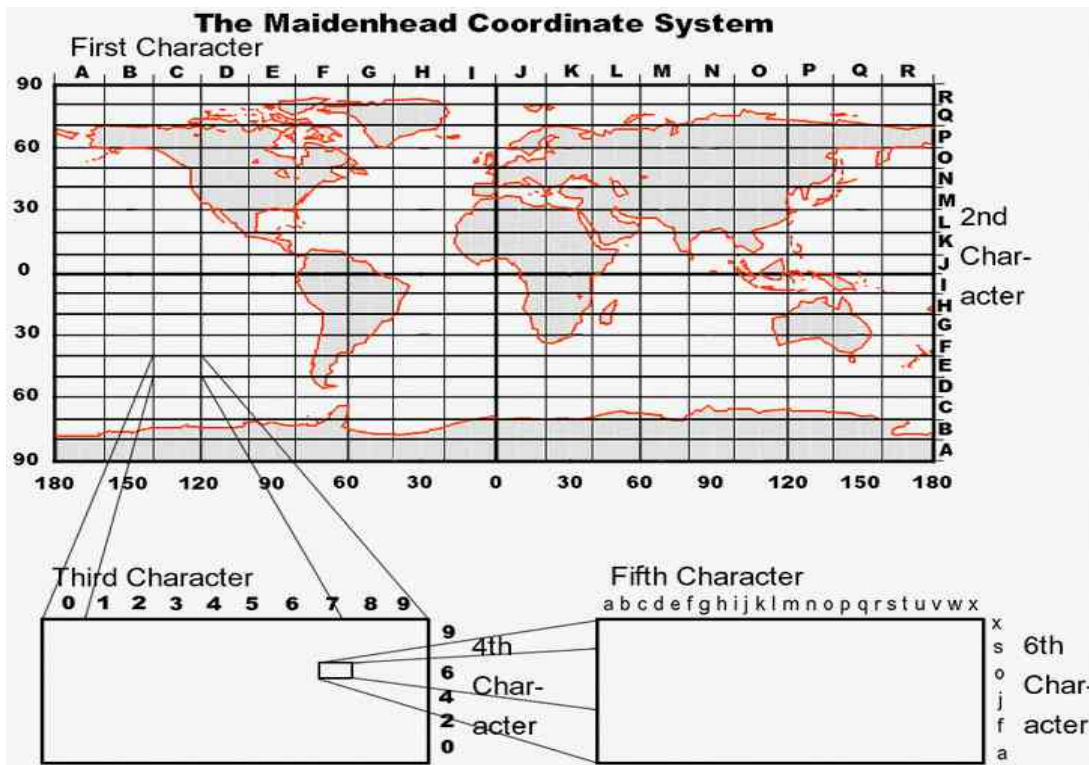
## Some DX Opportunities

Callsigns shown in alphanumeric order

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

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

Start	Finish	Call	Entity	IOTA	Bands	Modes	QSL Via	Grid	Miles	Dir
May 25	Jun 02	4L9S	Georgia		80-10m		OE1ZKC	LN21mm	5646	NE
Jun 01	Jun 10	5W0H	Samoa	OC-097	80-6m	C,S	EB7DX	AH47aa	7200	W
Jun 26	Jun 28	6Y3Y	Jamaica	NA-097	80-10m	8	LoTW	EK92dm	1951	SSW
	Jun 05	9A/PA4JJ	Croatia	EU-016	40-10m	8	PA4JJ	JN75sd	4341	NE
Jun 07	Jul 02	9G5GS	Ghana	AF-084	160-6m	8,s	LoTW	IJ84sx	5036	E
	Feb 14	9G5ZS	Ghana	AF-084	80-10m	8	ZS6EGB	IJ87ta	4950	E
May 22	Jun 04	9N7BN	Nepal		80-6m	S,8	JH1NBN	NL27mm	7592	NNE
	Oct 31	DM460DA	Germany				??	J031aa	3768	NE
May 25	Jun 03	E31A	Eritrea	AF-038	160-6m	C,S,8	JH1AJT	KK95kh	6701	ENE
	Jun 02	EG1FAS	Spain				EA1ADP	IN80dj	3620	ENE
Jun 15	Jun 18	FS/AG5CR	St Martin	NA-105	40-17m	8	LoTW	FK88lb	1655	SSE
	Jul 31	HS10KING	Thailand	AS-053			??	OK03gt	8711	N
Jun 12	Jun 16	JW/EA3NT	Svalbard	EU-026	80-10m	C,S,D	Club Log	JQ75tf	3566	NNE
Jun 12	Jun 16	JW/OJ0Y	Svalbard	EU-026	80-10m	C,S,D	Club Log	JQ75tf	3566	NNE
May 25	Jun 01	LX/GM4UYE	Luxembourg		40-6m	S,C,R,8	LoTW	JN39ga	3842	NE
	Aug 02	NA1WJ	United States of America				NA1WJ	EM97kv	396	WSW
Jun 09	Jun 16	PJ2/VA3ZC	Curacao	SA-099	40-20m	8,qrs	LoTW	FK52jf	1941	S
Jun 25	Jul 02	PJ5/W9DR	Saba & St Eustati	NA-145	6m	S,C,8	W9DR Dir	FK87ml	1695	SSE
Jun 13	Jun 15	PJ8SK	Sint Maarten	NA-105	40-17m	8	LoTW	FK88lb	1655	SSE
Jun 06	Jun 18	S9A	Sao Tome & Princip	AF-023	80-10m	C,S,8	EB7DX	JJ30hf	5729	E
May 25	Jun 14	SV5/DL3DRN	Dodecanese	EU-001	80-10m	C,S,R	LoTW	KM36ck	4723	NE
Jun 01	Jun 15	SV9/UR3WA	Crete	EU-015	40m	C	LoTW	KM25hj	5116	ENE
May 24	Jun 13	TG9BBV	Guatemala		80-12m	C,8,s	LoTW	EK44qk	2019	SW
Jun 14	Jun 25	T01T	Guadeloupe		80-10m		F6HMQ	FK97aa	1748	SSE
Jun 17	Jun 24	V6K	Micronesia	OC-010	40-10m	C,R,8	LoTW	RJ15lh	7655	WNW
Jun 01	Jun 15	XV9DXB	Vietnam		20m	C,S	EB7DX	OK42og	8826	N
Jun 23	Jun 25	ZF2CJ	Cayman Is	NA-016	80-10m	8	LoTW	EK99sm	1460	SSW



## June

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
"D Day" was 75 yrs ago June 6						1
2	3 9:00 Breakfast at Holiday City Diner	4 NJ Primary Election Day	5	6 <b>HCARC Meeting 7:00 PM</b>	7	8
9	10 Noon Lunch at Holiday City Diner	11	12 FCC Lic. Exams (by appointment) See page 3	13	14 Flag Day	15
16 Fathers Day	17 9:00 Breakfast at Holiday City Diner	18	19 Ocean Co. ARES 7PM See page 2	20	21	22
23	24 Noon Lunch at Lisa's	25	26	27	28	29 <b>FIELD DAY</b> See page 1
30 <b>FIELD DAY Continues</b>						