

The Mike & Key

Volume 82

Summer 2018

Issue 3

Greater Cincinnati Amateur Radio Association, Inc.
81 years of service to the Greater Cincinnati Community

GCARA Picnic Blue Ash Rec Center

June 27, 2018 6:00pm

Cost: \$10.00/person



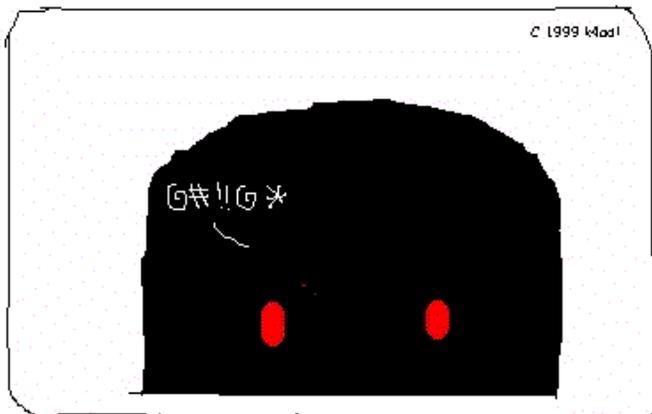
Meetings 4th Wednesday

**Maple Knoll (Breeze Manor)
11200 Springfield Pike,
Springdale, Ohio**

(Take Maple Trace Dr. off Springfield Pike)
If the Main Door to the Breeze Manor is locked, please use
the Communication Device located near the entrance to
request entrance to the building.

UPCOMING MEETINGS

• June 27...GCARA Picnic
July 25
August 22
September 26
October 24
December 12...GCARA Christmas Party
November - February...NO MEETING



AT THE EXACT MOMENT THE RARE DX STATION RETURNS HIS CALL
EUGENE ENTERS THE TWO-MILE-LONG MOUNTAIN TUNNEL.

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Submit ads and news to the editor
Deadline: forth Wednesday of the month*

Editor: David Self, K8SSN
3261 Old Oxford Rd.
Hamilton, Ohio 45013
tm&k@gcara.org

Reprinting, from *The Mike & Key* is granted to amateur
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GCARA Officers & Committee Chairs

PRESIDENT: Neal Berter, N8QFZ
nberter@cinci.rr.com
1st VICE PRES: Rick Burdick, K8WWA,
(513) 554-4662, rickburdick@yahoo.com
2nd VICE PRES: Donald Ferneding, N8LMJ
n8lmj@arrl.net
RECORDING SEC'Y: Allan M. Hale, WA9IRS
(859) 525-1761, wa9irs@arrl.net
CORRESPONDING SEC'Y: Richard Pestinger, KC8RP
(513) 829-8807 kc8rp@arrl.net
TREASURER: Gary Osborne, W8XS
(513) 675-1574, osborne@fuse.net
REPEATER Trustee: JAY PARKS - N8JP
HAM HELP/EQUIPMENT SUPPORT:
Richard Pestinger, KC8RP
513-829-8807 kc8rp@arrl.net
HISTORIAN: VACANT
THE MIKE & KEY: David Self, K8SSN,
tm&k@gcara.org
WEBMASTER: David Self, K8SSN gcara.org@gcara.org
MEMBERSHIP: Richard Pestinger, KC8RP
(513) 829-8807 kc8rp@arrl.net
SCHOLARSHIPS: Rick Burdick, K8WWA,
(513) 554-4662, rickburdick@yahoo.com
SILENT KEY COMM: Jim Benson, W8OUU,
(513) 825-1254, w8ouu@fuse.net
VE TEAM: Gary Osborne, W8XS
(513) 474-0287, osborne@fuse.net

ARRL

Great Lakes Director: Dale Williams, WA8EKF
(734) 529-3232, wa8efk@arrl.org
Ohio Section Manager: Scott Yonally, N8SY
(419) 512-4445, n8sy@n8sy.com

W8DZ 2M REPEATER :

145.27MHz -600
TONE: 123Hz
(set 123hz for recieve
to eliminate the QRM from DARA D-Star)

1936 Net

1.936 MHz, Thursdays 9:00pm

Net Control:

Jay Adrick, K8CJY / Geoff Mendelhall, W8GNM

DONATIONS TO THE GCARA may be tax deductible.
Contact the treasurer for information

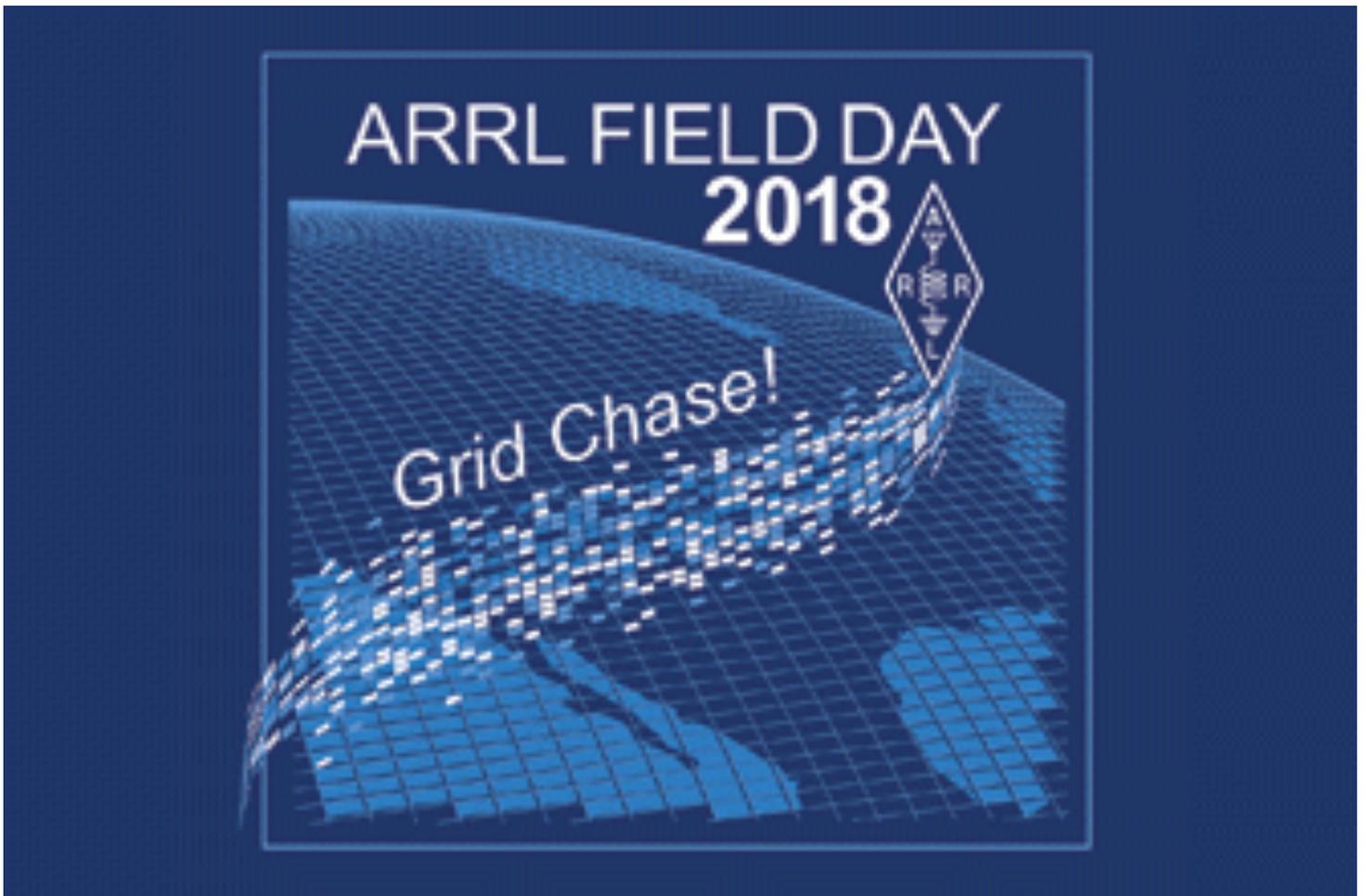
MEETING MINUTES



Subject: GCARA Membership Meeting
Date: April, May 2018
Location: Maple Knoll Village, Manor House
Opening: 7:00PM

Minutes for Available at press Time

2018 ARRL Field Day



June 23-24

FCC Denies Petition Aimed at Preventing Interference from Digital Repeaters to Analog Repeaters

The FCC has turned away a *Petition for Rulemaking* from a Michigan radio amateur that asked the Commission to amend Section 97.205 of the Amateur Service rules to ensure that repeaters using digital communication protocols do not interfere with analog repeaters. Charles P. Adkins, K8CPA, of Lincoln Park, had specifically requested that discrete analog and digital repeaters be separated either by distance or frequency and that digital repeaters be limited to 10 W output, the FCC recounted in its June 1 denial letter, released over the signature of Scot Stone, the deputy chief of the Wireless Telecommunications Bureau's Mobility Division. According to the letter, Adkins had characterized digital repeaters as "a major annoyance" to analog repeater operators.



"In 2008, we rejected a suggestion to amend Section 97.205(b) to designate separate spectrum for digital repeaters in order to segregate digital and analog communications," the FCC said in its letter to Adkins. "We noted that when the Commission has previously addressed the issue of interference between amateur stations engaging in different operating activities, it has declined to revise the rules to limit a frequency segment to one emission type in order to prevent interference to the operating activities of other Amateur Radio Service licensees." The FCC told Adkins that current Part 97 rules already address the subject of interference between amateur stations, prohibiting, among other things, willful or malicious interference to any radio communication or signal, and spelling out how interference disputes between repeaters should be handled.

DEATH OF A NAVAJO CODE TALKER



Samuel Tom Holiday, left and Peter McDonald,
U.S. Marine Corps Navajo Code Talkers

Samuel Tom Holiday, one of the last surviving Navajo Code Talkers, died in the Southern Utah Veterans Home on June 11 at age 94. He was one of hundreds of Navajos to utilize an unbreakable code during World War II - a code based on the Navajo language which the Japanese were never able to crack. According to various news reports, there are fewer than 10 Code Talkers remaining from that era.

Samuel Tom Holiday, a native of Utah, served with the United States Marine Corps. Arizona Gov. Doug Ducey called him a "true American patriot and hero" for his service to the allied forces. He had been the recipient of a Congressional Silver Medal and the Purple Heart.

He was buried on the Navajo Reservation, in Kayenta, Arizona beside his wife. His honor lives on in the library and media center of the Kayenta Middle School which was dedicated in his name last November. Thank you for your service Samuel Tom Holiday.

1936 NET



**Thursday's 9:00pm
1.936 LSB (160M)**

1936 GCARA NET CONTROL STATIONS

NCS FOR THE GCARA 1936 NET ARE AS FOLLOWS

Net Controls...TBA

CO-NET MANAGERS: Jay Adrick, K8CJY & Geoff Mendenhall, W8GNM
Don't have an antenna for 160? Check with any of the above.

NOTE: THE 1936 NET IS THE OLDEST CONTINUALLY RUNNING NET
ON SSB AND AM.

Rock-a-bye Baby



Originally titled 'Hushabye Baby', this nursery rhyme was said to be the first poem written on American soil. Although there is no evidence as to when the lyrics were written, it may date from the seventeenth century and have been written by an English immigrant who observed the way native-American women rocked their babies in birch-bark cradles, which were suspended from the branches of trees, allowing the wind to rock the baby to sleep. An alternative interpretation states that the baby is the son of King James II of England, who was widely believed to be someone else's child

smuggled into the birthing room in order to provide a Catholic heir for James. In this interpretation, the cradle represents the Stuart monarchy.



GCARA 2018 Membership

The board of directors and staff have decided that yearly dues will be due at the picnic. Current paid up members will be extended to June 2018. New members: if using PayPal, please put Name, Call address, etc in the message box or send email to w8xs@arrl.net



Is the internet, millennials or FT-8 killing ham radio?

By Dan Romanchik, KB6NU

Amateur radio bloggers love to write about the demise of amateur radio. To wit, we have:

* K0NR's Is the Internet destroying amateur radio? (<http://www.k0nr.com/wordpress/2017/11/internet-destroying-amateur-radio/>)

* N0SSC's Millennials are killing ham radio (<http://n0ssc.com/posts/583-millennials-are-killing-ham-radio>)

* PE4BAS' Is FT-8 damaging amateur radio? (<https://pe4bas.blogspot.com/2018/04/is-ft8-damaging-hamradio.html>)

* NZ0T's Did Joe Taylor K1JT Destroy Amateur Radio? (<http://www.ei5di.com/jt.html>)

Of course, none of these posts are really saying that the internet, millennials, or FT-8 has killed amateur radio. What they are saying is that all of these are changing amateur radio as we know it. Well, duh, the way we live our lives changes every day. Why should amateur radio be any different?

For example, Bob, K0NR, discusses how the operation of remote stations is changing the game of DX. Can you really claim that you worked a DX station if you rented time on a super station? I've written about that topic, too (<https://www.kb6nu.com/dx-advisory-committee-wants-to-put-the-screws-to-remote-operation/>).

There has also been much written about how FT8 is changing the amateur radio game. One blog post (<https://ve7sl.blogspot.com/2017/10/160m-ft8-end-of-era.html>), talking about the effect of FT8 on 160m operation, even goes so far to say that this is the "end of an era." On DX World, the results of the poll, "FT8 – Damaging to Amateur Radio?" (<https://dx-world.net/yes-or-no-a-poll-on-ft8/>) show more than half of the respondents think that FT8 is damaging amateur radio.

I specifically used the word "game" in the previous two paragraphs because that's exactly what's changing. The physics of amateur radio certainly isn't changing. Our transmitters are still generating electromagnetic waves like they have been for decades, and on the HF bands, anyway, those radio waves are bouncing off the ionosphere just as they have been for more than the past 100 years.

What's changing is the human component. By that I mean what's changing is how we think people should participate in the hobby. The hams that are complaining that the internet or millennials or FT8 is killing amateur radio are really just complaining that people aren't participating in amateur radio the way they want them to participate.

Here's where we talk about millennials. In his blog post, Sterling, N0SSC, suggests that setting up remote stations is

one way to engage young people. He writes, "I believe that remote operating, and other internet-assisted means of ham radio operation, are critical to youth engagement."

He's also big on an idea he calls "ham radio hackathons." He writes,

"A hackathon isn't a coding competition. It's explained well in this Medium article (<https://medium.com/hackathons-anonymous/wtf-is-a-hackathon-92668579601>). It goes even further than that, not limited to coders and engineers, but open to thinkers, doers, philosophers, system engineers, math people, teachers, students, artists, stakeholders... anyone with an interest in solving a problem with technology."

I support both of these ideas, but I think that millennials (and, to be fair, it isn't just millennials we're talking about here, but any newcomers to the hobby) need to step up and get these things going. I don't think it's my job to try to get kids interested in amateur radio. I don't even know if that's really possible. What I can do, however, is be there to encourage and support kids (and anyone else that expresses a sincere interest in amateur radio).

For example, I'm not sure how fruitful it would be to set up my station to be remotely operable and then saying to some kids, "Hey, come and operate my station." What I think would be more fruitful is to say to a kid, "Hey, come help me set up my remote control station, so that we both can use it." Then, it turns into a learning situation, and we both gain from the exercise.

The same kind of thing has to happen with ham radio hackathons. The motivation has to come from the ground up, not the top down. I do hope that this idea gets off the ground, though, and I'm standing by, ready to support this effort however I can.

I think that millennials (I'm really getting tired of that term, by the way) need to grab the bull by the horns and take amateur radio in the direction they want it to go. Feel free to kill amateur radio as we know it. Make it better!

When he's not trying to figure out how to save amateur radio, Dan builds stuff, blogs about amateur radio at KB6NU.Com, teaches amateur radio classes, and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about what you think is killing amateur radio at cwgeek@kb6nu.com.

Member's Mart

FOR SALE: HEATHKIT LINEAR AMPLIFIER, MODEL SB 220, FOR \$325. Linear Amplifier has seen only limited use. Operate the Linear Amplifier with AB8RW's station, before you buy . Local pickup only.
AB8RW@AOL.COM 513-583-8440 Ray Wiltshire

Send ads to tm&k@gcara.org. Ads are free to members and subject to editing.
Deadline: last Monday of the month. Ads will run for two issues, unless otherwise requested.

TM&K ads usually work. If they don't, consider donating to the GCARA Equipment Support Committee.
Donations may be tax deductible.

ARISS-Russia Testing Undeployed CubeSats from ISS

ARISS-Russia is making FM transmissions on June 20 and 21 from two of its *Tanusha* series of CubeSats, now aboard the International Space Station. Russia's ARISS organization has been developing the spacecraft in collaboration with Southwest State University in Kursk.

Two earlier *Tanusha* CubeSats were hand-deployed by cosmonauts last August and are performing cluster flight experiments through communication links. Plans call for hand-deploying *Tanusha* 3 and 4 this August.

On June 20, *Tanusha* 3 was to be connected to one of the ARISS antennas on the ISS *Service Module* to transmit greetings from students in several languages on 437.05 MHz.

ARISS Russia is set to repeat the process on June 21 0730 – 1200 UTC on the same frequency. The ARISS-Russia team also plans to retransmit these signals on the standard ARISS 2-meter downlink, 145.80 MHz, using the JVC Kenwood TM-D700 radio now on the ISS.

The next SSTV transmissions are planned for June 29 – July 1, with images commemorating the various satellites the ARISS-Russia team has developed and hand-deployed from the ISS.

Marathon runners with bad shoes suffer the agony of de feet.

Crypto - Quiz 1

BIANDRLVCWL...KL ALJLV OAIUDAPHE

IQLVCWLN DA NGBK C UCE CN WI HLNNLA WKL

QHLCNGVL IT IWKLVN.

And here is your hint:

B = C and L = E

Crypto - Quiz 2

OEGIO...JT EBBTLY OEGIOVG, TKNECLIPTQTKV

IKW YCFFELV VE EVJTL IQIVTCLY, OENIO NOCXY,

VJT RILC LIWRE YENRTVG RK JRY NECKVLG,

VJLECPJ AJRNJ IQIVTCL LIWRE RK JRY NECKVLG

RY LTFLTYTKVTW KIVREKIOOG IKW

RKVTLKIVREKIOOG.

And here is your hint:

R = I and T = E

Crypto-Quiz is a letter substitution game. Fill in the known letter substitutions and work out the message from there. Have fun! © 2017 WA9IRS Allan Hale



Solution found at
www.gcara.org/puzzle
or scan

DX HAPPENINGS...

July						
2018 Jul01	2018 Jul10	Azerbaijan	4K	ADOPY Direct	US5WE 20180601	By DL7ZM 4K4K as 4K6/DL7ZM fm the Nasir al-Din al-Tusi Shemakhi Astrophysical Observatory (1500m asl, LN40hs); 6m; CW SSB FT8; 100w; 7 and 3 ele yagis; noise cancellation system
2018 Jul01	2018 Jul11	Turks & Caicos	VQ5Z	VE3IKV Direct	VE3IKV 20180326	By VE3IKV VE3MMQ; fm IOTA NA-002 (FL31vs); HF + 6m (50.107 CW beacon); CW SSB FT8 MSK144 JT65a; 100w; 8-el yagi 12.1dBd gain
2018 Jul01	2018 Jul14	Greenland	OX3LX	LotW	TDDX 20180601	By OZ1DJJ fm IOTA NA-018; spare time operation, more activity on weekends; QSL also OK via OZ0J
2018 Jul01	2018 Jul26	Papua New Guinea	P29RR	LotW	TDDX 20180619	By ZL1BQD; focus on 160 80m; mainly FT8; 20w; dipoles; spare time operation; QSL also OK via ZL1BQD direct (w/ 2USD) and eQSL
2018 Jul02	2018 Jul09	Iceland	TF	LotW	TDDX 20180430	By G0POT as TF/G0POT; QRP; SOTA activations; QSL also OK via G0POT (Buro or direct) and eQSL
2018 Jul03	2018 Jul17	St Pierre & Miquelon	FP	LotW	KV1J 20180227	By KV1J as FP/KV1J fm Miquelon I (IOTA NA-032); 160-6m; mainly SSB RTTY, some CW and FT8; QSL also OK via KV1J direct and Club Log
2018 Jul05	2018 Jul10	Alaska	KH7	VE1FA	VE1FA 20180707	By VE1FA as VE1FA/KH7 and VA1YL as VA1YL/KH7 fm Round I (IOTA NA-121, A074oe); 7.150 and 14.260 MHz +/- QRM; SSB; 100w
2018 Jul07	2018 Jul14	Br Virgin Is	VP2V	N9DK	N9DK 20180326	By N9DK as VP2V/N9DK; 80-2m; all modes; offshore contacts not valid for DXCC
2018 Jul13	2018 Jul17	Fiji	3D2	LotW	WJ2O 20180422	By WJ2O as TBD; 40-15m; CW; QSL also OK via N2ZN direct; dates approximate
2018 Jul13	2018 Jul20	Botswana	A25A	LotW	TDDX 20180414	By NJ0F; 80-10m; SSB CW RTTY FT8; hexbeam, vertical; QSL also OK via NJ0F and Club Log
2018 Jul18	2018 Jul25	Vanuatu	YJ0GA	LotW	DXNews 20180227	By ZL3GA fm Efate I (IOTA OC-035); 80-6m; QSL also OK via ZL3GA (Buro or direct) and Club Log
2018 Jul19	2018 Jul24	Curacao	PJ2	LotW	DXWNet 20180323	By KM4SII as PJ2/KM4SII; all bands; all modes; focus on digital for AS VK ZL; fm PJ2T station
2018 Jul19	2018 Jul31	Micronesia	V6J	JP3AYQ	JJ3PRT 20180504	By JA team fm Ta I (IOTA OC-253); 40-6m; SSB CW FT8 RTTY; focus on EU and NA; QSL also OK via eQSL
RSGB IOTA Contest (Jul 28-29, 2018) Check here for pericontest activity too.						
August						
2018 Aug05	2018 Aug12	Albania	ZA	LotW	TDDX 20180509	By SP7IDX as ZA/SP7IDX fm Vlore (JN90rk); 40-10m; SSB + digital; QSL also OK via SP7IDX
2018 Aug15	2018 Aug25	American Samoa	KH8	M0URX	TDDX 20180525	By W5RF W5MJ VE7KW K5PI W5SJ as KH8/W5MJ; 160-6m; CW SSB RTTY
2018 Aug20	2018 Aug26	Kosovo	Z6	LotW	DXWNet 20180518	By IZ5YHD as Z6/IZ5YHD; 80-10m; SSB; 100w; inverted vee; QSL also OK via IZ5YHD (Buro or direct w/ 2 Euros) and Club Log
September						
2018 Sep01	2018 Sep10	Kyrgyzstan	EX0PL	SP9KAT	DXWNet 20180516	By SP9ONC SP9OUV SP9ETE SQ9IWS SP9AMF SQ9OUK SP9NLT SQ9MCI P9SCZ SP9IVD SP9MZH SP9DEM fm MN92ci; HF; QSL OK via Buro or direct, also Club Log
2018 Sep02	2018 Sep15	Iceland	TF	LotW	VE2DX 20180613	By VE2DX as TF/VE2DX; 40 20m, perhaps 80 15 10m; SSB FT8; QSL also OK via VE2DX Buro and eQSL
2018 Sep04	2018 Sep24	Mauritius	3B8	PA3HGT	DXWNet 20180516	By PA3HGT as 3B8/PA3HGT; 40 20 10m; mainly SSB, some CW + digital; QSL OK via PA Buro or direct; holiday style operation
2018 Sep12	2018 Oct01	East Kiribati	T32AH	DL2AH	DL2AH 20180107	By DL2AH fm Christmas I (IOTA OC-024); 80-10m; SSB FT8 RTTY; 100w; Windom; holiday style operation
2018 Sep15	2018 Sep20	eSwatini	3DA0AO	OQRS	K5GS 20180502	By HA5AO; 80-10m; CW RTTY FT8, some SSB; vertical; formerly Swaziland
2018 Sep20	2018 Sep25	Svalbard	JW	DJ2AX	DXNews 20180218	By DJ2AX fm IOTA EU-026; HF; CW SSB + digital
2018 Sep26	2018 Oct10	Rwanda	9X0T	LotW	IK7JWY 20180515	By I1HJT I2YSB IK2CIO IK2CHK IK2DIA IK2HKT IK2RZP JA3USA; 160-10m; CW SSB, RTTY on 20m only; 3 stations; QSL also OK via online OQRS and I2YSB direct (see Web)
2018 Sep28	2018 Oct14	Samoa	5W0GC	LZ1GC	DXNews 20180416	By LZ1GC in Apia (OC-097); 160-6m, focus on 160 80m; CW SSB RTTY; @5W1SA; QSL also OK via Club Log
2018 Sep29	2018 Oct06	Christmas I	VK9XT	LotW	DXNews 20180528	By A65DC A65DR SM0CXU VE7HDW fm IOTA OC-002; 160-10m; CW SSB + digital (perhaps FT8); QSL also OK via qrz.com logbook and eQSL
2018 Sep30	2018 Oct12	Nauru	C21GJ	W7GJ	425DXN 20180602	By W7GJ fm IOTA OC-031; 6m; mainly EME but some CW SSB, FT8 (50.313 MHz)

ITU officially confirms: Z6 prefix is illegal

In a repost by YT9TP (Serbia) it would appear that the International Telecommunication Union has officially confirmed use of the **Z6** prefix is **illegal**.

This from ITU Operational Bulletin No. 1149, June 1st 2018. Call sign series can be allocated only to the administrations of the ITU Member States by world radio communication conferences or, between radio communication conferences, by the ITU Secretary-General.

In this respect, the attention of the ITU administrations is drawn to the fact that ITU has not allocated call sign series Z6 to any of its Member States. Consequently, the utilization of call signs series Z6 by any entity without a formal allocation and consent of the ITU represents an unauthorized and illegal usage of this international numbering resource.

FCC Ham Exams

GCARA: September 12, December 5 :Blue Ash Recreation Center 4433 Cooper Rd Blue Ash. Registration 6:30pm. For more information contact Gary, W8XS at osborne@fuse.net. WALK INS ACCEPTED

1st Saturday each month: Cincinnati (Hartwell), CRA, at Hartwell Pres. Church. Registration 8:30am; walk-in only! All licenses classes. Dale Pritchett, KC8HJL at (513) 769 0789

2nd Monday each month: Kentucky (Edgewood) NKARA, at Turkeyfoot Middle School, 3230 Turkeyfoot Rd. Registration 6:00pm. Follow the signs. Pre-registration preferred, walk-ins accepted. Lyle Hamilton, AB8SH, (513) 315 4032. Talk-in 147.255

In all cases; tests require two Ids (preferably one with photo).
COST: \$15.00

Webpages of Importance to Members of the GCARA

Greater Cincinnati Amateur Radio Association.....www.gcara.org/home

GCARA on Facebook.....<https://www.facebook.com/groups/402853765060/>

American Radio Relay League.....www.arrl.org

Great Lakes Division-ARRL...www.arrl-greatlakes.org

Ohio Section - ARRL.....www.arrl-ohio.org

Ohio Section News.....www.arrl-ohio.org/sm/Section_News.html

Dayton Hamvention.....www.hamvention.org

Shortwave listening Guide...www.naswa.net/swlguide

Follow the GCARA on Twitter...@W8DZ

* If reading from a pdf file, clicking on the link will take you to the webpage

Silent Keys

If you know of a ham who has become a SK
please contact
please contact TM&K Editor at tm&k@gcara.org

Membership Application

JOIN
or
RENEW
GCARA
MEMBERSHIP



GCARA membership application and information update form

- () I enclose \$15 dues per club year (July. 1- June 30) x () years = \$ _____
() I request *free student membership* (licensed Hams in grades 1-12) for Jan. 1-Dec. 31.
If a free Student Membership, what is your school & grade? _____
This is a () new, () renewed membership. Member of ARRL? () yes, () no
() My yearly dues are paid. Please enter the following changes for me:
NAME _____ CALL _____
ADDRESS* _____
CITY/STATE* _____ ZIP* _____
Tel. No. with A/C* (____) _____ - _____
E-MAIL ADDRESS* _____@_____

My interests in and out of Ham radio: Public service; Working with youngsters;
On-air operations; VHF/UHF; HF; Building; Teaching; Computers;
Helping people become licensed; Repairing equipment; Helping other Hams.
*Provide specified information only if it has changed since last renewal.

Mail with dues payment to: Neal Berter, N8QFZ
68089 Peacock Dr
Cincinnati, Ohio 45239

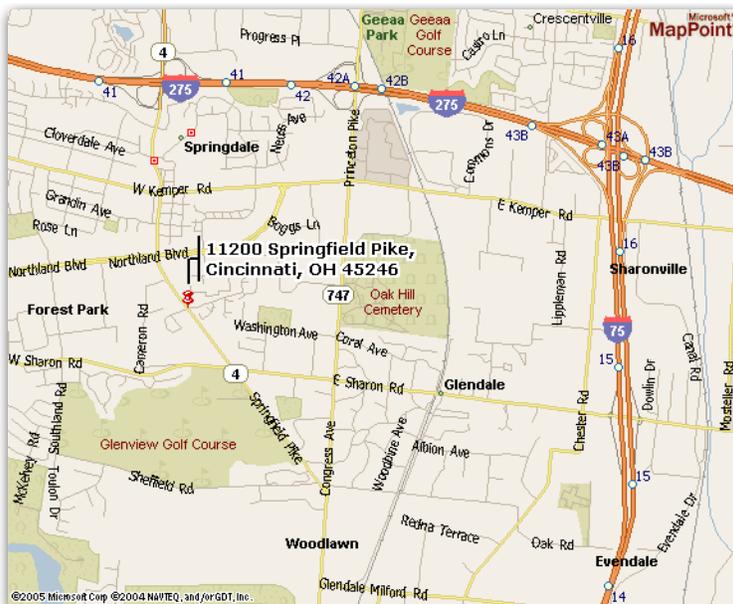
Make checks/MOs payable to GCARA
to pay with PayPal go to www.gcara.org

Send application
and \$15.00
to
Neal Berter,
N8QFZ
8089 Peacock Dr
Cincinnati, Ohio
45239

If you would like your
membership card
mailed to you, please
send a SASE with your

GCARA meets the 4th Wednesday of each month
March - October
(June -Picnic, December - Christmas Party)

Directions to GCARA Meeting location
Maple Knoll (Breese Manor)
11200 Springfield Pike, Springdale, OH
(Take Maple Trace Dr. off Springfield Pike)





TM&K Editor
3261 Old Oxford Rd
Hamilton, Ohio 45013



**TO CHANGE YOUR CALLSIGN, ADDRESS, PHONE OR EMAIL
GO TO THE GCARA WEBSITE www.gcara.org**
(link located at bottom of page)

The logo for Mr. Antenna. It features the text 'Mr. Antenna' in a large, black, sans-serif font. Above the letter 'A' in 'Antenna', there is a stylized antenna symbol consisting of a vertical line with three curved lines on each side, representing radio waves.

Jeff Hubbard
513-202-3115
513-504-4426 (cell)
Jeff@MrAntenna.com
www.MrAntenna.com

Antennas • Towers • TV Installs • Cell Phone Boosters