



Full Quieting

The Official Journal of The Bellbrook Amateur Radio Club



July 2026 — Issue 59

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From the Editor

Happy 250th Birthday America!!! It's a very exciting time we're living in. I recall the Bicentennial in 1976, I was a teenager at the time. It's wild to think of the things that have changed from those times—and that's only going back 50 years. I wonder what our forefathers of 250 years ago would have thought of the things we enjoy today, especially ham radio.

I'm recovering from BARC's Field Day, it's a great time for the club members to get together and work towards a common goal—to get a working system of radios up and running, make some contacts, and educate each other and the community at large of what amateur radio is all about.

This issue is a little light on detail, but there are a *lot of pictures*. Sometimes we need a mental break, July and August are all about that. The pictures in this issue capture a couple of things, first—the Field Day experience we all just went through and second — the installation of our hexbeam antenna which Tim N8NQH observed perhaps signifies the completion of our move into our new clubhouse. At least our initial phase, anyway.

I did provide another update on the two competing HamClock backend server replacements that will give you information to help you decide which of these to settle in on—or maybe use both?!

In the next month or two, I may be reaching out for some ideas for articles that some of you would want to write to spread out the contributors to our Newsletter to make it more diverse and higher quality. Thanks in advance for your help.

Oh, and stay cool!

73, Ray Hitt, [N8VMX](#)

Full Quieting Editor



Happy 250th Birthday America!!!

2026 BARC Officers and Directors

President: Geoff Kline, [KI5VNB](#)

Vice President: Eric Bramini, [KC8OPY](#)

Secretary: Jim Gifford, [N8KET](#)

Treasurer: Thomas McClory [KE8FWZ](#)

Senior Director: Don Macon, [KE8WVJ](#)

Junior Director: Glenn Rodgers, [WI8O](#)

2026 Coordinators

Antennas: Ray Hitt, [N8VMX](#)

Clubhouse: Jim Lusk, [KC8EFD](#)

Comm Center: John Westerkamp, [W8LRJ](#)

Community Service: Don Parker, [KB8PSL](#)

Contesting: Ken Gunton, [W8ASA](#)

Education: Bob French, [AC8ZU](#)

Emergency Preparedness: Jim Lusk, [KC8EFD](#)

Field Day: Eric Bramini, [KC8OPY](#)

Full Quieting Editor: Ray Hitt, [N8VMX](#)

Hospitality & Librarian: Natinka Siwecki, [KD8NUA](#)

IT: John Westerkamp, [W8LRJ](#)

Lunch Bunch: Jim Totten, [WA8HUB](#)

Membership: Jeff Pursel, [KJ6XC](#)

Net: Paul Sharp, [WS8R](#)

QSLs: vacant

Repeater: Russ Roysden, [N8NPT](#)

Tech Night: Bob French, [AC8ZU](#)

Webmaster: Doug Hayward [K8DRH](#)

BARC Net: Every Sunday, 8 PM Local

147.045 (+) (118.8 PL enc and dec) [Alt = 443.675]

Directions to BARC Clubhouse and Radio Room

St. Pierre Education Center

3757 Upper Bellbrook Rd

Bellbrook, OH 45305

[Map Link](#)

Park in front of building, enter in front-right door.

Conference room: Take first hallway to the left, conference room is on the right. **Radio Room:** Straight down hallway, left turn into gym. Door on left.

Member Interviews

BARC wants to hear from you!

Whether you're a long-time BARC member or a brand new one, young or old, please tell us about yourself. Here are some simple guidelines, although you're free to use whatever format you're comfortable with.

This page is all about you. It's your chance to let BARC members to get to know you better.

Here's are a few sample questions to help get you started, but you can write whatever you want.

Please send us some pictures of anything you want BARC to see (you, station, antennas, pets, family, anything)

- When you were first licensed?
- How did you learn about Ham Radio (HR)?
- Why did you become a Ham?
- What are your current HR interests?
- What are you most passionate about regarding HR?
- Tell us about your stations (past, present, and future)
- What was the most exciting thing that happened to you in HR?
- What do you do for a living?
- Would you like to say something about your family?
- Do you have other hobbies or interests?
- Any other comments for BARC?



President's Corner

Field Day was a lot of fun this year, and it was great to see so many people operating through the overnight hours. We had several newer operators make a QSO with Hawaii around 1:00 a.m., and seeing their excitement made the late night well worth it. It was also impressive to see all four stations in use at 2:30 a.m.—a testament to everyone's enthusiasm and teamwork.

I'm sure the story of the ants deciding to take up residence in the Field Day trailer will become one of those club stories that's retold for years to come! Unfortunately, one of our members was injured during the Field Day preparations. We wish him a speedy and complete recovery.

Looking ahead, we have a busy few months. In August, we'll have the Cincinnati Hamfest and the Lions Club Summer Parade, followed by our Special Event Station in September.

If you're looking to try something a little different in July, the Warren County Amateur Radio Club will be holding its Fox Hunt on Saturday, July 11, from 10:00 a.m. until noon. As an added bonus, there's a great BBQ restaurant right next door, making it a fun morning outing.

Stay safe, have fun on the air, and don't forget to work the 13 Colonies Special Event this month!

Geoff Kline, [K1SVNB](#)

President, Bellbrook Amateur Radio Club



WARREN COUNTY AMATEUR RADIO FOX HUNT!
SEARCH FOR A TRANSMITTER

SATURDAY JULY 11, 2026
10:00 AM – 12:00 PM

CLASS AT 10:00 AM
FOX HUNTING 101
A 10-15 MINUTE BEGINNER'S GUIDE FOR ALL AGES!

- NO LICENSE REQUIRED
- RECEIVE ONLY EVENT
- BRING YOUR PORTABLE 2M / 70CM RADIO (EXTRA RADIOS AVAILABLE)
- OPEN TO ALL AGES
- PARK IN FRONT OF THE MAIN ENTRANCE AND WALK IN
- RAIN OR SHINE – WE HUNT!

TALK-IN / HELP / ARRIVAL
Warren County Primary Repeater
146.865- (118.8)

1572 ROADHOUSE BAR-B-Q

JOIN US FOR LUNCH!
1572 ROADHOUSE BAR-B-Q IS ON-SITE AND A GREAT PLAN AFTER THE HUNT!

RENAISSANCE PARK EVENT CENTER
HOME OF THE OHIO RENAISSANCE FESTIVAL AND CELTIC FEST OHIO
10542 OH-73, WAYNESVILLE, OH 45065

THIS IS A FUN AND EDUCATIONAL ACTIVITY!
A small, low power transmitter will be hidden and it is up to you to track it down! Learn direction finding skills, have fun, and enjoy the outdoors!

QUESTIONS?
Jason, KD8BNR
513-617-9637
information@wc8ema.org

ALL OPERATORS AND THE PUBLIC ARE WELCOME!



What's Up BARC?

Ray Hitt, [N8VMX](#)

Announcements regarding any member news including: new equipment, antennas, grandchildren, children, pets, operating news, etc.

What's Up BARC?



BARC Participates in ARRL Field Day 2026 — On Saturday and Sunday 27-28 June 2026, BARC members set up, operated, and tore down our Field Day operation. Located at Sackett Wright Park just south-east of Bellbrook on OH-725, BARC has used this site for years, except those instances where either high water or high heat index values made it impossible to operate there. This year it all came together, separate organized teams set up power, networking, antennas, radio stations, food, and education. We had all four stations occupied for most of the event. Rain did come and dampen our spirits (and coax) overnight, but all in all it was a great event and everyone enjoyed it. And, don't forget our Pot Luck Social complete with Dot's Chicken. Smashing! Now, enough talking, here are some photos of another excellent Field Day!



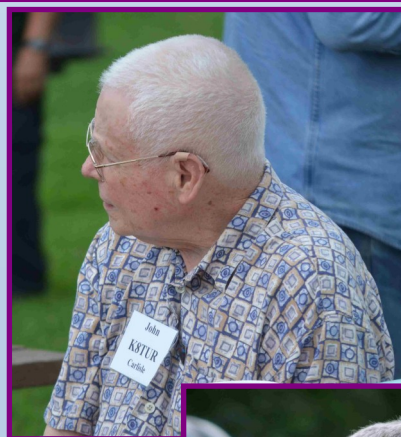
What's Up BARC? (continued)

BARC Participates in ARRL Field Day 2026 (continued)



What's Up BARC? (continued)

BARC Participates in ARRL Field Day 2026 (continued)



What's Up BARC? (continued)

BARC Participates in ARRL Field Day 2026 (continued)



What's Up BARC? (continued)

BARC Participates in ARRL Field Day 2026 (continued)



Welcome, New Members

Doug Kuntz, **KB8MRC**, General
Patrick Kee, **K8OWB**, Extra



What's Up BARC? (continued)

BARC Hexbeam Installed and Operational—On Monday June 15th, the hexbeam was installed at our new clubhouse location. Tim N8NQH and Ray N8VMX showed up a little early to get items up onto the roof and unboxed and were joined by John W8LRJ, Geoff KI5VNB, and Fred KE8ZPN. Laying the wire elements out, and separating the fiberglass spreaders helped to keep us organized. We did have a couple of small setbacks that we overcame — 1) one of the wires had a bit too much tension as we were adjusting it and a poor rope-to-wire splice separated. Tim was able to resplice it on the roof. 2) Ray noticed 6 extra hose clamps in the bottom of the tool pail after we were done for the day. Ray and Geoff went back onto the roof on Thursday just before the Membership Meeting to put the hose clamps on the ends of the 6 fiberglass spreader arms. Crisis averted!

Good news is that this antenna tunes up well on 20 meters up through 6 meter bands. It rotates so that you can put the energy where it needs to be. Enjoy!



What's Up BARC? (continued)

BARC Swag from Emerio KE8JNQ

In the April 2025 planning meeting, the club officers approved Emerio KE8JNQ to offer a variety of items for sale all in Blue BARC Color. These items complement the other items being offered for sale from other vendors. Notice that the logo is a larger size so other Amateur Radio Operators can see it better. All BARC members get this discount price. If you need more information or would like to order, contact Emerio KE8JNQ. His telephone number is 937-546-9477.



BARC Swag from Parrot Promo Essentials

We have polo shirts, sweat shirts, hoodies, t-shirts, ball caps, and softshell jackets from Parrot Promo Essentials. You can order them directly from our website, at <https://bellbrookarc.org/wp/order-barc-gear/>. These shirts are a little more expensive than those offered by Emerio, but they match the ones you've seen many of us wearing already.

BARC Mugs from Chris Hanselman, AD8OM

For those of you wanting 20 oz insulated BARC mugs, please contact Chris Hanselman, AD8OM, at deeremt@gmail.com. They are offered in Blue with silver print and Black with copper print. Look for some new designs to be unveiled soon to add to your collection!



Officer, Director, and Coordinator Inputs

Secretary: Jim Gifford, N8KET: In addition to Planning Notes and Meeting minutes the secretary applied for and obtained the W8O call sign for the September special event. Also contacted Russ N8NPT and had him set up a special email for the special event [wrightflight@bellbrookarc.org]. In addition, as POTA Coordinator, added names to the POTA mailing list and arranged for a POTA-specific email address [POTASIG@bellbrookarc.org] for those interested in being on the mailing list. The secretary also sent out news releases to the Dayton Daily News, Xenia Gazette, and WHIO and WDTN TV stations about the upcoming Field Day event.

Treasurer: Tom McClory, KE8FWZ: Expenses this month totaled \$772 including the recurring \$162 monthly internet services expense to Spectrum, a one-time expense of \$389 to replace the internet router at the repeater site, and \$221 for Field Day food. Income this month was \$306 consisting of \$115 for club memberships, a \$57 donation from Kroger, and \$134 from the refreshment donation jar (includes \$109 donations from Field Day). The club ends the month with \$8,428 bank balance. Planned expenses for July is the recurring \$162 internet services expense.

Repeater: John Westerkamp, W8LRJ: The Cisco VPN router has been installed at the KAS Tower site and is working great. The site is now more secure and can be administered remotely over the VPN. We did discover that the battery backup for the 2m repeater is not able to support repeater operation when the power is out. We will be considering some replacement options soon.

Communication Center: John Westerkamp, W8LRJ: The rooftop Hexbeam and HDTV antennas have been installed and are working great! We calibrated the Hexbeam and connected the rotator controller on Station #2 and verified its operation. The new big screen TV was able to scan all the live digital TV channels and is ready to go. Field Day equipment has been returned to the clubhouse and we will finish setting things back up soon.

BARC Net Manager: Paul Sharp, WS8R: Every Sunday at 8:00 PM you can listen to and participate in the exciting BARC Net, on 147.045. For the 4weeks in April 2025 there were approximately 72 check-ins lasting 194 exciting and informative minutes. Topics ranges from Open Mike, Parks on the Air, Hamvention, and Field Day,

Our faithful Net Controllers are, Larry Darner KD8RER, Connie Gifford W8CSG, Jim Gifford N8KET, Tink Siewicki KD8NUA, Eric Bramini, KC8OPY, and Paul Sharp WS8R. Joe Menchaca, KE8UUA as a trusty alternate.



BARC July 2026 Event Calendar

Thu Jul 2, 2026

7pm Planning Meeting Where: BARC Clubhouse

Sun Jun 5, 2026

8pm Weekly Net Where: 147.045+ (118.8 Hz tone)

Tue Jun 7, 2026

6:30pm POTA SIGWhere: BARC Clubhouse

Sun Jul 12, 2026

8pm Weekly Net Where: 147.045+ (118.8 Hz tone)

Tue Jul 14, 2026

11:15am Lunch Bunch..... Where: [Butterbee's](#)

Thu Jul 16, 2026

7pm Membership Meeting Where: BARC Clubhouse

Sat Jul 18, 2026

9am BARC 1st Saturday POTA Experience Where: TBD

Sun Jul 19, 2026

8pm Weekly Net Where: 147.045+ (118.8 Hz tone)

Tue Jul 21, 2026

6:30pm Tech NightWhere: BARC Clubhouse

Thu Jul 23, 2026

7pm Dessert & Movie Night..... Where: BARC Clubhouse

Sun Jul 26, 2026

8pm Weekly Net Where: 147.045+ (118.8 Hz tone)

Tue Jul 28, 2026

11:15am Lunch Bunch..... Where: [Mr. Shawarma](#)



BARC Upcoming Events (Aug-Nov 2026)

Sat Aug 15, 2026

Bellbrook Lion's Club Parade Where: Bellbrook

Sat Aug 15, 2026

Cincinnati Hamfest (BARC Award) Where: [Clermont County Fairgrounds](#)

Sat Aug 15, 2026

North America QSO Party Where: BARC Clubhouse

Sat Aug 22, 2026

Ohio QSO Party Where: BARC Clubhouse

Sat Sep 19, 2026

Wright Brother's Special Event Station Where: Carillon Park

Fri-Sun Oct 23-25, 2026

CQ WW Contest Where: BARC Clubhouse

Sat-Sun Nov 21-22, 2026

ARRL Sweepstakes Where: BARC Clubhouse

Please send upcoming events to: editor@bellbrookarc.org or
hittra@gmail.com



BARC Movie and Dessert Night

July 23rd 2026!

What better way to watch a movie than on a big screen TV. Thanks to our guys at BARC we now have a great way to watch movies on the 4th Thursday of each month! *Alita Battle Angel*, our movie for May, was a great way to break in our new screen. In June our next film was *Now You See Me, Now You Don't*. In the past we have seen the first two movies in this series; *Now You See Me & Now You See Me 2*. Number three was just as entertaining. In July and August we have a couple back to back comedies that are oldies but goodies.

Date	Title	Genre	Actors
✓ January 22, 2026	Groundhog Day	Comedy	Bill Murray
✓ February 26, 2026	Aqua Man & the Lost Kingdom	Adventure	Jason Momoa
✓ March 26, 2026	The Italian Job	Adventure	Mark Wahlberg
✓ April 23, 2026	Rental Family	Comedy/Drama	Brendan Fraser
✓ May 28, 2026	Alita Battle Angel	Action	Rosa Salazar
✓ June 25, 2026	Now You See Me/Now You Don't	Action	Woody Harrelson
July 23, 2026	For Richer or Poorer	Comedy	Tim Allen/Kirstie Alley
August 27, 2026	Cool Runnings	Comedy	John Candy
September 24, 2026			
October 22, 2026			

BARC movie nights are held on the **Fourth Thursday** of each month **January** through **October** at **7:00 PM in the BARC Clubhouse**. We take November and December off for the holidays. At each movie night we pop up, *fresh*, BARC's famous popcorn and you never know what we will come up with for dessert! We welcome movie recommendations.

Our BARC 2026 Movie Season continues in our new clubhouse with a great mix of fun movies, great people and a new big screen TV!

We'll see you in July at the Movies!

Tink
KD8NUA



The 1130 DMR Net—Statistics for 2026

Ray Hitt, [N8VMX](#)

The **1130 DMR Net** meets Monday through Friday on the DMR talk group **310557**. This is Tim, N8NQH's East repeater talk group. Details to connect to it are on the last page of every Newsletter.

I started taking statistics in 2026, and here are the results for **January through June**.

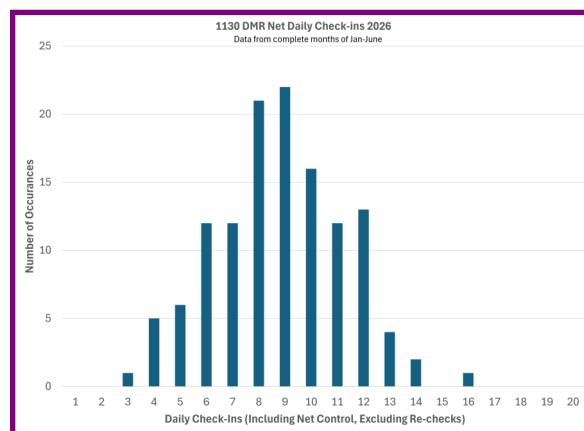
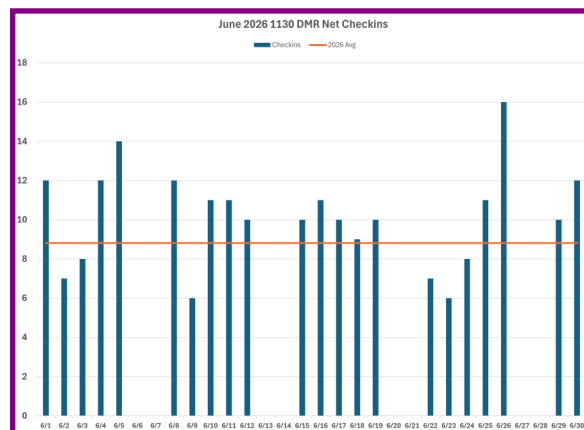
Since January, we've had **1119** check-ins. The average number of check-ins per day shot up from **9.29** in May to **10.14** in June, a substantial change. The month to month percentage growth from the previous month is shown in the chart (below left). The number of check-ins in June rose **14.36%** from May. The number of daily check-ins has ranged from **3-16**. Our record number of check-ins of **16** was reached in June. We have folks around the US, UK, Canada and even Indonesia checking in!

We're up to a list of **56** hams who have checked in from Jan-Jun at least once. We picked up **8** new hams in June. Word of mouth is spreading across the DMR and DSTAR nets, so hopefully this net will continue to grow in popularity. It's nice to make new friends around the world!

Net Control Stations are: **Ray** N8VMX (Monday), **Kevin** KF8BHL (Tuesday), **Jim** WA8HUB (Wednesday), **Brian** AA4BK (Thursday), and **Ian** M6PBY (Friday).

If any of you need help programming your DMR radio to get on the net, please contact Ray [N8VMX](#), we can meet at the clubhouse and set you up.

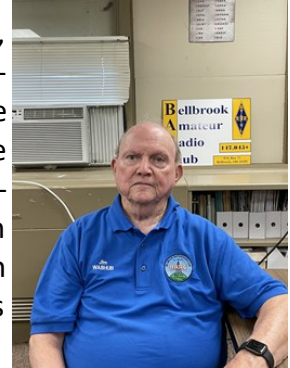
	Check-ins	Average Daily Check-ins	% Increase
Jan-2026	127	6.35	—
Feb-2026	169	8.45	33.07%
Mar-2026	200	9.09	18.34%
Apr-2026	205	9.32	2.50%
May 2026	195	9.29	-4.88%
June 2026	223	10.14	14.36%
2026 Total	1119	8.61	



Lunch Bunch

Jim Totten, [WA8HUB](#)

Hello my fellow lunch lovers. We had some great lunches in June. On June 9th, we had lunch at Submarine House on North Fairfield Rd. Good attendance; Henry Ruminski, Richard Clark, Paul Sharp, Ruth and Don Macon, Tim and Yvonne Procnuiar, and myself. This Submarine House has much better food and service than any of the other Submarine Houses. Here is a gathering of ham radio operators and as Ruth remarked our conversation mostly dealt with food. Ruth, Don and Yvonne all had special salad bowls. I had their PISTOL. A six inch version which was enough for lunch and dinner. I don't know what Tim had but it was sizable sloppy sandwich. Quarter sandwiches were popular.



On June 23rd, we had lunch was at Rooster's Wings. It's further north on Fairfield from the Submarine House. They have a menu much broader than wings. The menu has several pages — appetizers, soup, salads, pizzas, burgers and even chicken. Don, Ruth and Yvonne had robust looking salads. Two of us had Italian Subs. Leftover for dinner. We had 9 for lunch.

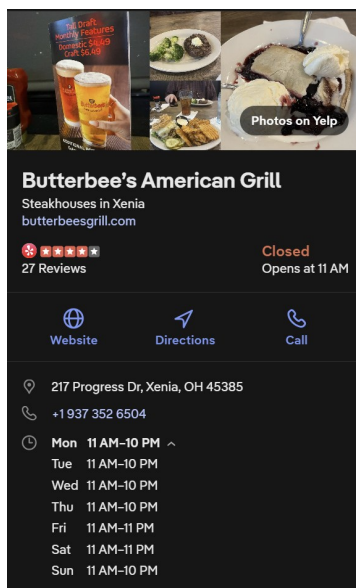
Now comes July. Summer is here and we should have good weather(?). In my copy of the chart we are near the top. Our July lunches still have some of the most wonderful food. Our first lunch in July is on Tuesday July 14th and we will be eating at Butterbees, 217 Progress Dr., Xenia, OH. A quote from a luncher: "It's all good — from their ribs, steaks, pork chops, chicken, burgers, baked potatoes — even their coleslaw is tasty." We last ate there in October 2025.

Our next July lunch is on July 28th at The Shawarma Grill. The address is 2844 Colonel Glenn Hwy., Fairborn, OH. Don't be fooled by that address. The restaurant actually faces Presidential Drive, the parallel street just south of Colonel Glenn near Wright State. This is currently our only Mediterranean restaurant. They have a marvelous buffet (all I ever have) and a menu. One of our regulars gets non-alcoholic beer.

That's a wrap for this month. Happy eating.

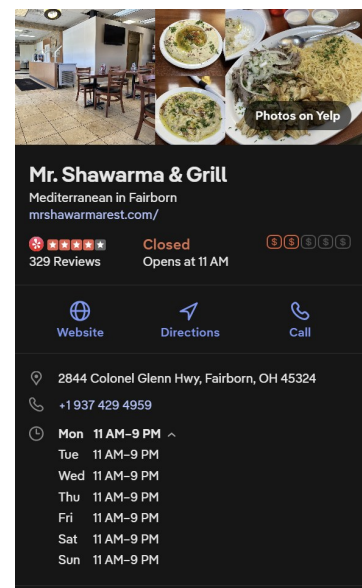
73, Jim, [WA8HUB](#)

[Tuesday, July 14th, 11:15am](#)



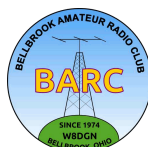
Click picture or hyperlink
for more info and maps

[Tuesday, June 23th, 11:15am](#)



(Continued on next page)

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Lunch Bunch List

Jim Totten, [WA8HUB](#)

Date	Restaurant	Address	City	Phone Number
01/13/26	Culp's Cafeteria	1000 Carillon Blvd	Dayton, OH 45409	(937) 293-2841
02/10/26	City Barbecue	2001 E. Dorothy Lane	Kettering, OH 45420	(937) 200-1006
02/24/26	Marion's Piazza	1320 N Fairfield Rd.	Beavercreek, OH 45432	(937) 429-3393
03/10/26	Red Robin	2671 Fairfield Commons Blvd.	Beavercreek, OH 45431	(937) 320-9800
03/24/26	Beavercreek Pizza Dive	4021 Dayton-Xenia Rd.	Beavercreek, OH 45432	(937) 431-8669
04/14/26	Cherry House Cafe	1241 Meadow Bridge Dr	Beavercreek, OH 45434	(937) 320-6200
04/28/26	Another Broken Egg Cafe 7:00 am to 2:00 pm	2453 Esquire Dr.	Beavercreek, OH 45431	(937) 912-5074
05/12/26	China Garden Buffet	112 Woodman Dr. Airway Shopping Center	Dayton, OH 45431	(937) 781-9999
05/26/26	First Watch 7:00 am to 2:30 pm	5245 Cornerstone North Blvd	Sugarcreek Twp, OH 45440	(937) 732-9013
06/09/26	Submarine House	3195 Dayton-Xenia Rd.	Beavercreek, OH 45434	(937) 429-8650
06/23/26	Roosters Wings	2430 N. Fairfield <i>The Shoppes at FC</i>	Beavercreek, OH 45431	(937) 702-9500
07/14/26	Butterbee's	217 Progress Dr.	Xenia, OH 45385	(937) 352-6504
07/28/26	Shawarma Grill	2844 Colonel Glenn Hwy	Fairborn, OH 45324	(937) 429-4959
08/11/26	Chic-Fil-A	5301 Cornerstone N Blvd	Sugarcreek Township, OH 45440	(937) 439-1700



July HamClock Update

Ray Hitt, [N8VMX](#)

Well, July is almost here as I am writing this and **clearskyinstitute.com** still (mostly) works as a HamClock backend server. Time will tell how long this will be the case.

I want to talk about the future though. There are two competing developments that completely match the look and feel of the original HamClock – **Open HamClock Background (OHB)**, available at [ohb.works](#); and **HamClock.com** available at [hamclock.com](#). I have been comparing these two developments since March and thought it would be useful to compare these two efforts with a table and some follow-on discussion.



	Open HamClock (OHB)	Hamclock.com
Support for version 4.22	Full Support	Largely Supported ¹
Backend Server	<i>ohb.hamclock.app:80</i>	<i>hamclock.com:80</i>
Host your own backend server	Yes (optionally)	No
Support for ESP8266 Huzzah	Full	Largely Supported ²
New HamClock client features	Yes	No
Open-Source Software	Yes	No
Current client software version	4.27b03.0 (beta 3)	4.22

¹ VOACAP REL maps sometimes fail to generate – server loading or other problem. Also, Satellite TLE (two-line elements) are not being refreshed so there is no satellite tracking capability

² VOACAP REL maps will not download from backend server, ESP8266 cannot handle the zip compressed BMP files that are provided by hamclock.com

Here are some detailed findings as I was comparing HamClocks connected to **ohb.hamclock.app:80** and **hamclock.com:80** in late June 2026.

Maps:

1. Tropo Map failed for HamClock (not implemented)
2. HamClock.com hasn't yet implemented VOACAP TOA maps, instead shows VOACAP REL maps for both VOACAP REL and VOACAP TOA. OHB properly displays both VOACAP REL and VOACAP TOA maps.
3. All other maps were comparable between the two.



July HamClock Update (continued)

ESP8266 Huzzah Feather

On *ESP8266 Huzzah Feather* (hardware HamClocks), *OHB* correctly implemented VOACAP REL maps and VOACAP TOA maps. On *hamclock.com*, there is no support for sending VOACAP REL or VOACAP TOA maps. The ESP8266 design lacks enough memory to provide the decompression routines to decompress the compressed maps sent to more modern HamClocks (version 4 and higher) running on Raspberry Pis. *OHB* and *Hamclock.com* are supposed to detect the *ESP8266 Huzzah Feather* HamClock running version 3.10, (the last version of HamClock client software the ESP8266 can run), and then send all maps uncompressed.

Panes:

1. Storms doesn't report any information from *HamClock.com*
2. VOACAP sunspot number (SSN) in *OHB* matches SSN Pane, *Hamclock.com*'s SSN does not

Other:

1. *HamClock.com* does not display envelope containing system broadcast messages
2. *HamClock.com* does not perform automatic updates as of yet. *HamClock.com* does run with *OHB* updated software but ignores or provides errors on those features not yet implemented on *HamClock.com*. *OHB* does continue development beyond the last *clearskyinstitute.com* version 4.22; they are developing version 4.27 right now, and adding new features as they go. For example, the version I am using, version 4.26, has added tropical storm tracks that you can call up on the main map, and a new Tropo (tropospheric) propagation map that will be interesting if you want to try tropo. It looked interesting Monday when we entered this heat dome—but I had no time to investigate the band conditions due to working on this newsletter!

Backend Server:

1. *OHB* allows you to download your own backend server that your HamClocks would point to instead of using their own backend server at *ohb.hamclock.app:80*. Most people don't feel the need to do this, plus if everyone did, it might put too much additional pressure on the data sources that are feeding the existing backend servers. *HamClock.com* has a backend server at *hamclock.com:80*, but doesn't release the software as something you could run on your own.

So, in summary, both hamclock.com and ohb.works are functional HamClock replacement backend servers for your HamClock client software, but *OHB* has a definite advantage at the moment in terms of maximum compatibility, frequent software updates, and ESP8266 support. They also provide their own backend server software for you to use, which keeps the software in the open source community and is a good failsafe from losing HamClock the way we nearly did last January. RIP, Elwood, and thanks for HamClock.



Special Event Stations for July

Paul Sharp, [WS8R](#)

Here are a 2 links you can follow to find many SES that suit your varied interest. I may repeat and update some of these links as there are only a few sites focused on SES.

http://www.arrl.org/special_events/search/page:2/model:Event.

https://www.qsl.net/va3rj/spevents_dx.html. This link list has a lot of SES in Europe and Russia.

Here is my pick of the litter of SES that I think will be of interest to my fellow BARC members. We really hit the jackpot this month with lots of interesting and varied SES. There are SES commemorating: 13 Colonies, the world largest rubber duck, lots of celebration for our counties 250th anniversary, Union Pacific Big Boy steam engine here in Ohio, Scopes Monkey Trail, the EAA Airventure World's Largest Airshow (This is the Hamvention for aircraft enthusiastic.), the Brickyard 400 race and my favorite the MINNESOTA MOSQUITO CHALLENGE.

07/01/2026 | 13 Colonies Special Event. Jul 1-Jul 8, 1300Z-0400Z, N2C, Johnston, RI. 13 Colonies Special Event. 14.220 14.230 14.240 14.250. Certificate. 13 Colonies Special Event, 1 Ludlow Street, Johnston, RI 02919. <https://13colonies.us>

07/03/2026 | World's Largest Rubber Duck - USS Little Rock. Jul 3-Jul 5, 1400Z-2000Z, W2D, Buffalo, NY. Radio Association of Western New York. 7260 14260. QSL. Jim Collins, RADIO ASSN OF WESTERN NEW YORK W2PE, 24 Via Donato West, Depew, NY 14043. This Independence Day Weekend, join the Radio Association of Western New York aboard the historic USS Little Rock at the Buffalo and Erie County Naval and Military Park as we operate special event station W2D — celebrating 250 years of independence and the exciting arrival of the giant Mama Duck and her son Timmy at nearby Canalside. The world's largest rubber duck and her duckling will be visiting Buffalo's waterfront just steps from the Naval Park, creating a unique backdrop for this special event operation. Be sure to visit with us and learn about amateur radio on your tour of the ships. Amateur radio operators should look for W2D on the air through the holiday weekend (Friday-Sunday, 1400-2000 UTC) as we combine ham radio and naval history with a little duck-themed fun for this memorable on-the-air event! We'll spot our activity to pota.app as W2D at US-6532 Erie Canalway. <https://w2pe.com>

07/04/2026 | USS Orleck Amateur Radio Society (OARS) Jul 4, 1300Z-2100Z, WJ4DD, Jacksonville, FL. USS Orleck Amateur Radio Society (OARS). 14.250 14.320 7.190 7.250. QSL. Kenneth Krull, 6143 Winding Bridge Dr, Jacksonville, FL 32277.

07/04/2026 | 250 Years as a Country. Jul 4-Jul 5, 1200Z-0000Z, AL7NS, Lakeland, GA. N4LAL. 14.266 21.278 28.450 7.028. QSL. American Legion Milltown Post 336, PO Box 7, Lakeland, GA 31635. The American Legion Milltown Post Amateur Radio Club will be holding a Special Event station to commemorate the 250 years of freedom.



Special Event Stations for July (continued)

07/04/2026 | America250 - Point Blank. Jul 4, 1616Z-2323Z, K5P, Pointblank, TX. ULLWA. 14.260. QSL. Mark Wood, P.O. Box 479, Pointblank, TX 77364. www.usa250-pb.com

07/04/2026 | Ashtabula 250 Celebration. Jul 4, 1200Z-1800Z, KC8OH, Jefferson, OH. Amigos Radio Cub Ashtabula. 28.350 7.275 14.300 3.850. QSL. David Nemo Sicking, 3577 Bulah Road, Jefferson, OH 44047.

07/04/2026 | Colonial Williamsburg Special Event. Jul 11, 1400Z-2000Z, K4RC, Williamsburg, VA. Williamsburg Area Amateur Radio Club. 7.265 14.265. Certificate. Williamsburg Area Amateur Radio Club, P.O. Box 1470, Williamsburg, VA 23187. <https://www.k4rc.net>

07/04/2026 | Oscar zero Ronald Reagan Minuteman Missile Museum. Jul 4, 1300Z-1800Z, N0WWT, Niagara, ND. N0wwt. 14.245 7.250. QSL. Thomas O'Neill, 403 Ransom ave, 403 Ransom ave, Niagara, ND 58266. SASE please

07/04/2026 | Theodore Roosevelt Presidential Library Dedication. Jul 1-Jul 8, 1500Z-0000Z, K0ND, Medora, ND. Theodore Roosevelt Amateur Radio Club. 28.430 21.375 14.340. QSL. Theodore Roosevelt ARC, PO Box 1854, Dickinson, ND 58602-1854.

07/05/2026 | 250 Years of America! . Jul 5, 1700Z-2100Z, WE7GV, Sahuarita, AZ. Green Valley Amateur Radio Club. 14.242 14.246 14.248. Certificate & QSL. Tom Lang K7VOA, 1085 W EL TORO RD, 1085 W EL TORO RD, Sahuarita, AZ 85629.

07/11/2026 | Independence Day (07-04-1776). Jul 11, 1700Z-2359Z, NI6IW, San Diego, CA. USS Midway Museum Ship CV-41 COMEDTRA NI6IW. 7.250 14.320 14.070 PSK31 DStar on PAPA System Repeaters. QSL. USS Midway Ship Museum CV-41 COMEDTRA NI6IW, 910 N Harbor Drive, San Diego, CA 92101.

07/12/2026 | Union Pacific Big Boy 4014. Jul 12-Jul 13, 1400Z-2000Z, K8R, Struthers, OH. Struthers Regional Operators of Amateur Radio - W8RAR. 14.270 7.240 14.074 7.074. QSL. Struthers ROAR, 9011 Market St. Suite G, North Lima, OH 44452. The Union Pacific Big Boy 4014 is expected to stop in Struthers approximately: 11:30 AM – 12:00 PM Eastern Time The K8R Special Event Station will be located immediately adjacent to the train stop location, allowing visitors to experience both the historic locomotive and amateur radio operations. <https://www.qrz.com/db/W8RAR>

07/13/2026 | SCOPES "MONKEY" TRIAL . Jul 13-Jul 27, 0001Z-2359Z, W4B, Dayton, TN. K4DPD. 14.265 14.040 21.265 21.040. QSL. Rob Frailing, 920 Lone Mountain Dr., Dayton, TN 37321. Celebrating the 101st year of the legendary "Scope's 'Monkey' Trial" held in Dayton, tn, in July 1925.

07/17/2026 | W3A Commemoration of Apollo 11 Live TV From the Moon that Allowed the World to See Mankind's First Steps on the Lunar Surface . Jul 17-Jul 21, 1300Z-2200Z, K3NEM, Middle River, MD. Amateur Radio Club of the National Electronics Museum (ARCNEM). 14.269 14.069 7.269 7.069. Certificate & QSL. ARCNEM, c/o Fred Heath AI3Z, 202 Baltimore-Annapolis Blvd., Severna Park, MD 21146-1368. WW-2.us



Special Event Stations for July (continued)

07/18/2026 | CEDAR POINT LIGHTHOUSE ON THE AIR. Jul 18, 1000Z-1400Z, K3HKI, Lexington Park, MD. St. Mary's County Amateur Radio Association. 7.205 Mhz 14.230 Mhz 21.300 Mhz 28.335 Mhz. QSL. SMCARA, P.O. Box 364, California, MD 20619.

07/18/2026 | NS Savannah Launch Anniversary. Jul 18, 1330Z-2100Z, K3S, Port of Baltimore. Nuclear Ship Savannah ARC. 7,14,18,21,28 MHz. QSL. Ullis Fleming, 980 Patuxent Road, Odenton, MD 21113. qrz.com/db/k3s

07/20/2026 | EAA Airventure Worlds Largest Airshow . Jul 20-Jul 25, 1300Z-2000Z, W9ZL, Oshkosh, WI. Fox Cities Amateur Radio Club. 7.250 14.275 50.150. Certificate. FCARC W9ZL special event station, PO Box 2346, Appleton, WI 54912. FCARC.club

07/20/2026 | The Brickyard 400 - Race Three. Jul 20-Jul 26, 0000Z-2359Z, W9IMS, Indianapolis, IN. The Indianapolis Motor Speedway ARC. 3.840 7.245 14.245 18.140. Certificate & QSL. Indianapolis Motor Speedway Amateur Radio Club, P.O. BOX 30954, Indianapolis, IN 46230. <https://w9ims.org>

07/25/2026 | MINNESOTA MOSQUITO CHALLENGE. Jul 25, 1300Z-2300Z, W0ALX, Alexandria, MN. RUNESTONE ARC. 21.270 14.230 7.190. Certificate. WILLIAM KLUNDT, 509 PINE ST SO, Sauk Centre, MN 56378.

07/30/2026 | Carnation Festival Special Event. Jul 30-Aug 9, 0000Z-2359Z, W8LKY, Alliance, OH. Alliance Amateur Radio Club. 7050 7220 14050 14250. Certificate. Alliance Amateur Radio Club, PO Box 94, Maximo, OH 44650. <https://www.w8lky.org/activities/special-event-operations>



Answers to Amateur Radio Test Questions on pages 34-36

[Technician \(pg. 23\)](#)

T1B03 (B) [97.301(a)]

T6B03 (C)

T3C09 (A)

T7D05 (A)

[General \(pg. 24\)](#)

G4A02 (C)

G9B01 (B)

G9D01 (A)

G7A07 (A)

[Amateur Extra \(pg. 25\)](#)

E5C07 (D)

E8C07 (A)

E1F01 (B) [97.305]

E6E09 (D)



Amateur License Test Questions

[Answers are on page 22](#)

Technician

NOTE: THIS IS A NEW QUESTION POOL

T1B03

Which frequency is in the 6-meter amateur band?

- A. 49.00 MHz
- B. 52.525 MHz
- C. 28.50 MHz
- D. 222.15 MHz

T6B03

Which of these components can be used as an electronic switch?

- A. Varistor
- B. Potentiometer
- C. Transistor
- D. Thermistor

T3C09

What is generally the best time for long-distance 10-meter band propagation via the F region?

- A. From dawn to shortly after sunset during periods of high sunspot activity
- B. From shortly after sunset to dawn during periods of high sunspot activity
- C. From dawn to shortly after sunset during periods of low sunspot activity
- D. From shortly after sunset to dawn during periods of low sunspot activity

T7D05

How does an ohmmeter measure the resistance of a circuit or component?

- A. By applying a small current and measuring the resulting voltage
- B. By placing a variable resistor in parallel with the circuit
- C. By placing a variable resistor in series with the circuit
- D. By applying a variable voltage and measuring the resulting current change

(Continued on next page)



Amateur License Test Questions (continued)

[Answers are on page 22](#)

General

G4A02

What is the benefit of using the opposite or “reverse” sideband when receiving CW?

- A. Interference from impulse noise will be eliminated
- B. More stations can be accommodated within a given signal passband
- C. It may be possible to reduce or eliminate interference from other signals
- D. Accidental out-of-band operation can be prevented

G9B01

What is a characteristic of a random-wire HF antenna connected directly to the transmitter?

- A. It must be longer than 1 wavelength
- B. Station equipment may carry significant RF current
- C. It produces only vertically polarized radiation
- D. It is more effective on the lower HF bands than on the higher bands

G9D01

Which of the following antenna types will be most effective as a near vertical incidence skywave (NVIS) antenna for short-skip communications on 40 meters during the day?

- A. A horizontal dipole placed between $1/10$ and $1/4$ wavelength above the ground
- B. A vertical antenna placed between $1/4$ and $1/2$ wavelength above the ground
- C. A horizontal dipole placed at approximately $1/2$ wavelength above the ground
- D. A vertical dipole placed at approximately $1/2$ wavelength above the ground

G7A07

What is the output waveform of an unfiltered full-wave rectifier connected to a resistive load?

- A. A series of DC pulses at twice the frequency of the AC input
- B. A series of DC pulses at the same frequency as the AC input
- C. A sine wave at half the frequency of the AC input
- D. A steady DC voltage



Amateur License Test Questions (continued)

[Answers are on page 22](#)

Amateur Extra

E5C07

Where is the impedance of a pure resistance plotted on rectangular coordinates?

- A. On the vertical axis
- B. On a line through the origin, slanted at 45 degrees
- C. On a horizontal line, offset vertically above the horizontal axis
- D. On the horizontal axis

E8C07

What is the bandwidth of a 4,800-Hz frequency shift, 9,600-baud ASCII FM transmission?

- A. 15.36 kHz
- B. 9.6 kHz
- C. 4.8 kHz
- D. 5.76 kHz

E1F01

On what frequencies are spread spectrum transmissions permitted?

- A. Only on amateur frequencies above 50 MHz
- B. Only on amateur frequencies above 222 MHz
- C. Only on amateur frequencies above 420 MHz
- D. Only on amateur frequencies above 144 MHz

E6E09

Which of the following component package types have the least parasitic effects at frequencies above the HF range?

- A. TO-220
- B. Axial lead
- C. Radial lead
- D. Surface mount



Editorial Policy and Style Guidelines for *Full Quieting*

Editorial Policy

Full Quieting welcomes articles from BARC members on any ham radio subject that is relevant to BARC. Our focus is our BARC members. We will not reprint items or articles that are easily available by other means (web, magazines, etc.).

Most articles will be “how to” or “what I did” articles that focus on technical or operational subjects such as a construction (antennas, equipment, stations, etc.), the use of hardware or software, operating in unique/challenging circumstances, or a memoir.

Full Quieting will also consider an occasional article on policy issues regarding the various national licensing/regulatory agencies and/or amateur radio associations so long as the article is relevant to BARC members and constructive in tone and recommendations.

Although all *Full Quieting* articles represent the experiences and points-of-view of their authors and not BARC, articles that focus on policy issues will be specifically labeled as a reflection of the author’s opinion.

Regardless of subject, when you submit an article you acknowledge that you are the original author or creator and you grant publication rights to BARC. Anything you submit remains your property and you may have it published elsewhere without the need for permission from *Full Quieting*.

Style Guidelines

Language: English is the official language of *Full Quieting* and all articles should be submitted in English. Don’t be concerned if English is not your first language: just tell your story in your own voice and use translating tools such as Google Translate to help if necessary.

File format: Submit your article as a Word, Word Perfect, OpenOffice or text file attachment to an email. A shared document available for download (such as a Google Doc) is also okay. **Do not submit as an email or PDF file.**

Pictures and other graphics: Do not embed pictures or tables in the article. Please submit as an email attachment or a shared image available for download. Please reduce the file size of the images before you send them to *Full Quieting*. Large files can be attached to a series of emails. Keep file size in mind regarding publication quality: for example, a half page image in the final PDF version of *Full Quieting* should be at least 400 pixels wide. If a photograph or graphic was taken or created by someone else, you should have their permission to use it and the permission of anyone identifiable in the image. **If you capture images from the web, provide a citation (URL) for that source and make sure the source does not prohibit use of the image in *Full Quieting*.**

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Editorial Policy and Style Guidelines for *Full Quieting*

(Continued from previous page)

Use these style conventions

- We are hams, not Hams, and our hobby is ham radio This is a change to our original format
- The name of our organization is: Bellbrook Amateur Radio Club or BARC
- The code we use is Morse (capitalize the M)
- We use Yagi antennas (capitalize the Y)
- Q codes should be capitalized: QRM, QSB QSY
- The plural of QSO is QSOs, not QSO's
- Modes should be capitalized: CW, SSB, FT8, RTTY
- Bands are written as 10 m, 15 m etc.
- The abbreviation for a Silent Key is SK.
- You might have had an Elmer, not an elmer

Bruce N7RR has provided a [two-page check list](#) of common International System of Units (SI) formats and abbreviations.

Use these formatting conventions:

- Set all borders to 1 inch. The preferred font is Calibri, 12 point.
- Do not use tabs or spaces at the beginning of a paragraph
- Use only a single paragraph or carriage return at the end of each paragraph
- To enhance readability, use two spaces after the period at the end of a sentence.



Miscellaneous BARC Info

REGULARLY SCHEDULED NETS

Daily (Sunday through Saturday) 1030, 1615 and 1845 Ohio Single Sideband Net (OSSBN) Primary: 3972.5 KHz LSB Alternates: 3968 & 7272 KHz LSB

Weekdays (Mon-Fri) 1130 DMR Net Brandmeister Talk group 310557. Accessible via hotspot, 147.390 (+) CC13 TS2(Dayton East), 444.4375 (+) CC11 TS2 (Dayton West)

Sundays 1900 Newcomers & Elmers Net (Cincinnati) 146.670 (-) (123.0 PL)

Sundays 2000 BARC Weekly Net 147.045 (+) (118.8 PL) [Alt 443.675 (+) (118.8 PL)]

Sundays 2100 Miami Co. Voice & Data Net (Data Net follows Voice Net) 145.230 (-) (no PL)

Winlink Tuesdays GCARES Winlink Net Any time on Tuesdays Eastern Time Send To: W8LRJ, Cc: KE8FMJ W8GCA-10 445.010 (S), W6CDR-10 145.010 (S)

Tuesdays 1900 Dayton Veterans Admin Amateur Radio Club Net (W8DVA) 443.850 + 107.2 pl

Tuesdays 1915 Ohio ARES HF Net W8SGT Net Control at OEMA HQ Primary: 3902 KHz LSB (+/- QRM) Alternate: 7240 KHz LSB (+/- QRM)

Tuesdays 1945 Ohio Digital Emergency Net Primary: 3584.5 KHz USB (1500 WF) Alternate: 7072 KHz USB

Tuesdays 2000 MoCoARES Weekly Net 146.640 (-) (123.0 Hz PL) (Except—No Net on last Tuesday of even months (MoCoARES meeting) (Except—On 2nd Tuesday: Voice and Data Net on 444.250 (+) (123.0 PL)

Tuesdays 2100 GCARES Net (Voice & Data) 146.910 (-)(no PL) [Alt = 442.725]

Ohio Winlink Wednesdays OH ARES Winlink Net Any time on Wednesdays Eastern Time Send To: K8EAF, Cc: W8LRJ, KE8FMJ W8GCA-10 445.010 (S), W6CDR-10 145.010 (S)

Wednesdays 2000 Ohio District 3 ARES Net (West Central Ohio Regional Net) Primary: 145.110 (-) (67.0 PL) Alternate: 146.820 (-) (77.0 PL)

Wednesdays 2000 Beginners Net (Dayton Area) 444.875 (+) (94.8 PL)

ZOOM-Basic Setup & Configuration

Here's a link to the Zoom Video Tutorials: [Zoom how-to video tutorials – Zoom Help Center](#)

Also see: "Join a Meeting" and the "Joining & Configuring Audio & Video" tutorials for new users. Send questions or problems to John, [W8LRJ](#) ASAP but BEFORE the next meeting.

BARC Fundraising Opportunity — Kroger's Rewards Program Please use your Kroger Card when shopping at Kroger's and support BARC. If you haven't signed up and need help, bring your Kroger Card to the next BARC meeting, and we'll help you get registered (contact the [BARC Treasurer](#)).

ARRL Discounted Membership Offer One of the benefits of club membership is the opportunity to become an ARRL member at a discounted price. BARC is an ARRL affiliated club and receives a commission for new first-time ARRL memberships transacted through the club. BARC passes on this commission (discount) as a club membership benefit to promote ARRL membership. BARC members currently receive a \$15 discount on a NEW first year ARRL membership cost when placed through the Club. Please contact the [BARC Treasurer](#) for details.



Directions to BARC Clubhouse and Radio Room

St. Pierre Education Center
3757 Upper Bellbrook Rd
Bellbrook, OH 45305

[Map Link](#)

Park in front of building, enter in front-right door.

Conference room: Take first hallway to the left, conference room is on the right. **Radio Room:** Straight down hallway, left turn into gym. Door on left.

