



KEY KLIX

Amateur Radio Club of Savannah

May 2007

Volume 3

Issue 5

The next meeting of the Amateur Radio Club of Savannah will be held, Tuesday, May 8, 2007, 7:30pm, at Memorial Health University Center, in the Hoskins Building Classroom "5." The Hoskins building is on the South Side of the hospital near Parking Garage "C." Enter the Hoskins Building on the side that faces the Parking Garage "C." There will be a short program following the business portion of the meeting.

FIELD DAY IS COMING SOON

The Annual ARRL Field Day exercise is rapidly approaching. Plan to take part in this emergency preparedness-training event June 23-24, 2007.

We as families/individuals should also have plans in the event of a disaster. With hurricane season rapidly approaching, it would be a good idea to begin today making evacuation plans. Have important documents, i.e. drivers license, bank records, insurance policies, deeds, birth certificate, cash, etc. ready to take with you. It's time to prepare NOW!!!...Not Later!!!

BUY, SWAP, OR SELL

FOR SALE: Dual Band HT BNC conn antenna, a MFJ 9030 30m CW tx/rx, 256 mb stick of PC2100 ram. Make Offers. Also if there is someone out there with an older 2m fm mobile with PL they don't need and want to swap, I can use it at the house for 2m FM operations. I am also looking for a good size power supply and 2m/440 Mobile ant.
James Markwith
w1jrm@coastalnow.net

FOR SALE: #1. Kenwood TS-520 HF with desk and hand mics, manuals.\$200
#2. Packet Controller MFJ 1270C / TNC-2 w/Manual and book by WA1LOU. Missing 3 DIN plug cables (RS has them)...\$40
Pete Cooley, K4JAC, Ph. 912 355-049
E-Mail: cooley3892@bellsouth.net

FOR SALE: MFJ493 Memory Keyer w/manual \$75
Andy Blackburn, WD4AFY
Ph. 912 238-4676 Email: andy@g-net.net

STRAYS



Andy Blackburn, WD4AFY's, (not quite completed) station, which includes a Kenwood TS-850S HF, TS-790A 2m/70cm/1296, TS-680 HF/6m, and a Kenwood TM 731A dual band. More equipment is to be added soon.

HURRICANE MONITORING

With Hurricane Season upon us, it is a good time to gather monitoring information on monitoring communications related to the response to a storm. The purpose of this month's article is to provide some basic hurricane monitoring information for both Savannah area amateur radio and government response to a hurricane. Many thanks to David Delamater, K4DJD, Steve Jonas, K4SDJ, and Doug Rowland, KF4EFP for providing amateur radio frequency information for this article.

Amateur Radio Monitoring

In the event of a hurricane, Amateur Radio would of course play a large part in the response to the storm. Georgia Amateur Radio Emergency Service (ARES) would activate to support state and local emergency management. Other organizations would activate to respond to the hurricane in other capacities.

ARES, when activated will use several 2-meter repeaters for local area, point-to-point traffic. HF frequencies would be used for more long distant communications including communications with statewide ARES and emergency management stations.

146.970	Chatham County ARES Ops Primary
146.880	Chatham ARES Ops Secondary
147.105	Georgia ARES Southeast District Ops
146.745	Effingham County Repeater (97.4 PL)
146.520	National Calling Frequency
3.975 LSB	Georgia ARES Primary HF
7.277 LSB	Georgia ARES Secondary HF
5.3305 LSB	Georgia ARES Section Emergency Net

The American Red Cross will also make use of local repeaters during their hurricane response operations. Secondary Red Cross Repeaters will be assigned usage depending upon the nature and size of the response.

146.850	American Red Cross Primary
146.700	American Red Cross Secondary
147.210	American Red Cross Secondary
147.330	American Red Cross Secondary

Other organizations that might activate to assist in response and relief efforts are the Salvation Army Team Emergency Radio Network and Georgia Baptist Disaster Relief teams.

7.265 LSB	SATERN (Salvation Army Team Emergency Radio Network)
14.265 USB	SATERN (Salvation Army Team Emergency Radio Network)

151.625	Georgia Baptist Disaster Relief (VHF Itinerant)
147.550	Georgia Baptist Disaster Relief
147.555	Georgia Baptist Disaster Relief
3.865 LSB	Georgia Baptist Disaster Relief
7.238 LSB	Georgia Baptist Disaster Relief
7.251 LSB	South CARS Net
7.262 LSB	Southern Baptist Convention Net

A good way to keep track of and to gather information on a hurricane is the venerable Hurricane Watch Net, which has been around since 1965. This net will activate whenever there is a hurricane within 300 miles of a populated land mass or when activation is requested by the National Hurricane Center. The purpose of the net is to gather information from the storm for the National Hurricane Center and to pass on National Weather Service advisories on the storm. Information on hurricanes can also be heard on the Maritime Mobile Network. They also collect information for the National Weather Service and pass weather service advisories.

14.325 USB	Hurricane Watch Net
14.300 USB	Maritime Mobile Network

Government Monitoring

Local public safety agencies would be in the front lines of hurricane response. A listing of agency frequencies and Chatham-Effingham Trunked Repeater System (TRS) talkgroups would be too long to list here, but there are emergency management, mutual aid, and common frequencies and talkgroups that would be good to include in scanner programming. These would be used by a wide variety of agencies during any multi-agency response. A full listing of agency talkgroups for the Chatham-Effingham TRS can be found on the Radio Reference website (see list of links below).

Conventional Frequencies:

123.025	Airborne Operations, Air-to-Ground
123.100	Airborne Operations, Air-to-Air
154.280	Fire Mutual Aid
155.340	HEAR (Hospitals, EMS)
155.475	Law Enforcement National Emergency
853.6375	Chatham County 800 Conventional
866.0125	I-Call
866.5125	I-Tac 1
867.0125	I-Tac 2
867.5125	I-Tac 3
868.0125	I-Tac 4

Chatham-Effingham TRS Talkgroups

6224	Chatham County Emergency Management Agency (CEMA) 1
6256	Chatham County Emergency Management Agency (CEMA) 2
6288	Chatham County Emergency Management Agency (CEMA) 3
6320	Chatham County Emergency Management Agency (CEMA) 4
6352	Chatham County Emergency Management Agency (CEMA) 5
33456	Police Common
37072	Fire Common
2416	Medical Common
50320	Savannah City Common
50352	Chatham County Countywide Common
1648	Chatham County Common
4240	Chatham County Westside Common
4272	Chatham County Eastside Common

Both Hunter Army Airfield and Savannah International Airport and the military units based there would be involved in relief operations in the event of a hurricane striking the coastal Georgia area. B-169 Aviation of the Georgia Army National Guard at Hunter AAF would likely support local operations while the 165th Airlift Wing at Savannah IAP would be able to help provide an air bridge for the Savannah area. The United States Coast Guard would also assist in the response to a hurricane with both aircraft from Air Station Savannah and surface assets from Sector Charleston and it's subordinate unit Station Tybee (and beyond).

133.550 AM	Hunter AAF Control Tower
279.575 AM	Hunter AAF Control Tower
126.200 AM	Hunter AAF Base Ops
38.150 AM	B-169 AVN "Hurricane Ops"
139.400 AM	B-169 AVN "Guard Operations"
242.400 AM	B-169 AVN Air-to-Air
119.100 AM	Savannah IAP Control Tower
257.800 AM	Savannah IAP Control Tower
225.750 AM	165 Airlift Wing, Georgia Air National Guard Command Post
237.000 AM	Air National Guard CRTS Command Post
156.800	Marine VHF Ch. 16, Calling/Distress
157.050	Marine VHF Ch. 21, Sector Charleston Primary Operating
345.000 AM	USCG Air Station Savannah Ops

Charleston Air Force Base is involved in relief operations not only nationwide but worldwide. Aircraft inbound to Charleston AFB from the south can easily be heard from the Savannah area.

134.100 AM Charleston AFB Command Post
349.400 AM Charleston AFB Command Post

Another agency that would support hurricane response efforts would be the United States Air Force auxiliary, the Civil Air Patrol. The Civil Air Patrol is in the midst of frequency changes, so it would be prudent to keep both their old and new frequencies in mind. The CAP also uses repeater output frequencies as simplex frequencies.

148.150 Civil Air Patrol Primary Repeater Output
148.125 Civil Air Patrol Repeater, Coastal Georgia Area

148.175 New Civil Air Patrol Repeaters
148.775 New Civil Air Patrol Repeaters

There are many lists on the Internet that list HF frequencies for the “Hurricane Hunter” aircraft. For the most part, these lists are obsolete; the “Hurricane Hunters” now use satellite communications, including military SATCOM, instead of HF for their primary means of communications with ground stations.

Reference Links

Georgia ARES:

<http://www.gaares.org/>

SATERN (Salvation Army):

<http://www.satern.org/>

Hurricane Watch Net:

<http://www.hwn.org/>

Maritime Mobile Service Network:

<http://www.mmsn.org/>

Radio Reference:

<http://www.radioreference.com/>

Information compiled by:
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YOU KNOW THAT YOU ARE HAM IF:

- You buy electrical tape in ten packs.
- You've stripped wire with your teeth.
- You've told your son that, "One-day, all this will be yours", and he doesn't respond.
- You'd rather help a buddy put up a new tower than mow the lawn.
- You've grabbed the wrong end of a soldering iron.
- You start giving out RST reports when you are on the telephone.
- The propagation forecast means far more to you than the local weather forecast.
- The microphone or visual aids at a meeting don't work and you rush up to the front to fix it.
- You tell the XYL, when she notices a new rig in the shack, why that has been there for years.
- Your watch is set only to UTC.
- At night, when you pray, it starts off something like: CQ CQ CQ GOD DE (your call sign).
- You ever had to patch your roof after an antenna project.
- Ham radio magazines comprise more than 50% of your bathroom library.
- You ever put a GPS tracker in the XYL's car, just so you could watch her on APRS.
- You ever tapped out HI in Morse on your car horn to another ham.
- You ever had an antenna fall down.
- Your teenager refuses to ride in your car because it looks like a porcupine.
- You know the Latitude and Longitude of your home QTH.
- You go into the local Radio Shack store and the clerk asks you where something is.

HAM RADIO ON TV

--Info Gleaned from the Internet

ALF (1986-1990) An Alien Life Form -- ALF -- crash lands at the Los Angeles home of Willie Tanner, by following the signal from his ham radio.

Fleksnes (1970s) A Norwegian TV series about a ham who can't figure out what "mayday" means, and continuously hangs up on a man in emergency

The French Atlantic Affair (TV, 1979) A 3-part miniseries from the Ernest Lehman novel (1977). A hijacked cruise ship story where a smuggled-aboard ham radio (referred to as the "Atlas" most of the time; it is an older Atlas Radio 210x) is the only independent contact with the outside world.

In episode 9F11 of **The Simpsons**, Selma laments that she has a lot of love to give but her only outlet is her ham radio. A foreign voice is then heard over her radio saying "I have a ham radio", perhaps implying that Selma's outlet isn't the most appropriate avenue for engaging and romantic discourse. In episode *Mountain of Madness*, Mr. Burns decides to use the telegraph to send an S.O.S. The telegraph signal only manages to reach a telegraph machine stored inside a museum exhibit of Samuel Morse. Episode *Missionary Impossible* Homer the missionary used ham radio to talk to his family (frequency on radio was in 15-meter phone band). *Homer's Paternity Coot*, where Seymour is a ham, using WA3QIZ as a callsign (WA3QIZ was the callsign of executive producer David Mirkin. That call expired in 1998. On February 4, 2006 it was granted to the Savant DX Group in Ruckersville, VA.)

The Star Wars Holiday Special(1978)

Chewbacca's son Lumpy uses what seems to be a space-age amateur radio to get the guards out of the house.

There was an episode of the **Munsters** wherein Grandpa Munster, used an Army surplus BC-654 field radio as a ham station. In another episode, Herman is a ham (W6XRL4) contacting kids on "walkietalkies" in the neighborhood, and they are playing Martians, thus Herman thinks he has talked to Mars invaders.

An episode of **Father Knows Best** featured the son, Bud, building a short wave radio receiver as an assignment for shop class. The radio picks up a distress call from a family quite similar to the Anderson family on a pleasure boat, which the Andersons can hear clearly but the Coast Guard can't. This episode was inspired by a true incident, in which the Coast Guard was guided to a boat by listeners hundred of miles inland.

In an episode of **The Loretta Young Show**, Loretta Young is snowed in at the ski chalet of a friend who becomes deathly ill. She takes to a ham station at the chalet to summon assistance.

In a 2 episode of **The Waltons** (Season 6 Episodes 12 & 13), Jim-Bob uses ham radio to help two young guests to speak to their mother in England.

In one episode of **The Jetsons** Elroy uses an interstellar version of ham radio.

In a season 3 episode of **M*A*S*H*** called "Springtime", Henry uses Ham radio so Father Mulcahy can marry Klinger to his girl back in the USA. The other "ham" that gets in the middle of

the QSO with her recipes is Mary Kay Place!

On the **Tonight Show** with Jay Leno that aired May 13th, 2005 they held a showdown between Morse code ops Chip, K7JA of Yaesu USA and Ken, K6CTW and "the fastest text messagers in the country" to see who could transmit the message "I just saved a bunch of money on my car insurance" faster. The Morse code operators won by completing the message first..

On the *The Monsters are Due on Maple Street* (1960) episode of **The Twilight Zone**, one of the characters is accused of playing with a "strange radio set" apparently to talk to alien invaders. The wife then says is a ham radio set.

On the *Black Leather Jackets*(1964) episode of **The Twilight Zone**, a family experiences interference with their television and radio reception, the man of the house blames it on the new "Amateur Radio Operators" who moved in next door.

An episode of **BAA BAA Black Sheep** ends with a birthday surprise for Boyington -- the chance to talk with his mother, via a linkup arranged with MARS (Military Affiliate Radio Service) ham operators back in the States. Such linkups were difficult but often attempted during WWII.

Highway to Heaven episode Close Encounters of the Heavenly Kind Jonathon and Mark are assigned to help UFO watcher Harvey Milsap gain custody of his recently orphaned grandson, Adam. Harvey's across-the-street neighbor Mildred Kelsey, who is furious when Harvey fools with his radio

equipment while her soap is on, slowly but surely falls in love with him. The Grandfather tries to use ham radio to talk to U.F.O.'s.

In a episode of *Futurama*, Fry makes the following comment about Bender's antenna: "But it's a useless antenna, it's not like he's a ham radio or something."

Starsky and Hutch episode shows a male teenager operating his amateur radio equipment, getting in trouble from his mother for using it, eventually saving one of the programs leads in a car accident by hearing his radio signal.

In an episode of *McHale's Navy* one of McHale's crew finds out about the birth of his baby back home via a phone patch from a Stateside Ham radio op.

In *The Addams Family*, Gomez is often shown sending Morse code over shortwave radio. In one episode, the presumably encrypted transmissions result in a visit by curious federal agents.

In the 2006 series *Jericho*, one of the main characters, Robert Hawkins is an amateur radio operator. The opening sequence features a string of Morse Code characters which are different for each episode.

STRAYS

EC APPOINTMENT

Congratulations go to Todd Hargrave, KD6RYQ for his appointment as EC for Effingham County, GA. Todd replaces Val Ashcraft, AF4VH.

SHERI NEIDLINGER IN ARRL AD

A photo of Sheri Neidlinger, KG4KTW, XYL of Philip Neidlinger, KA4KOE, is being featured in a ARRL Member Collection advertisement. You can see her picture on the following URL: <http://www.mastercraftawards.com/arrl/>

TRIVIA QUESTION

What part of the early Model T Ford was used by hams in their CW transmitter?

- A. The steel running boards
- B. The spare tire holder
- C. The matching rear bumpers
- D. The wood encased ignition coil

See answer at the bottom of this page.

That's it for this month's Key Klix. Thanks go to everyone who submitted material for this issue of Key Klix. If you have any articles, items for swap or sale, etc., to submit for the next issue, please send them to andy@g-net.net Deadline for articles is June 1.

73,

Andy Blackburn, WD4AFY

Trivia question answer: D



AMATEUR RADIO CLUB OF SAVANNAH



ARCS Elected Officers for 2007:

President: Doug Rowland, KF4EFP, (912) 826-7299, jdrowland@windstream.net

Vice President: Mac McCormick III, KF4LMT, kf4lmt@comcast.net

Secretary: Andy Blackburn, WD4AFY, (912) 238-4676, andy@g-net.net

Treasurer: David Delamater, K4DJD, k4djd@comcast.net

Activities Manager: Philip Neidlinger, KA4KOE, ka4koe@arrl.net

Trustee: Kurt Hoffman, N4CVF, n4cvf@arrl.net

The Amateur Radio Club of Savannah, was founded in 1938, and is a non-profit 501(c)(3)(a) organization dedicated to:

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.
- (c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.
- (d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.
- (e) Continuation and extension of the amateur's unique ability to enhance international goodwill.