

SMARC TELEGRAPH

Connecting People!

Inside this issue:

FINES LEVIED/FCC	2
ASK SMARC	3
ROUTE 66 OTA!	4
SOMEWHERE IN TIME	5
LAST MONTH/SMARC	6
LOST BANDS/OZARKS	7



SMARC READY FOR RT. 66

Route 66 OTA special event is set to begin for SMARC on September 12th-13th at Gay Parita Sinclair station in Ash Grove, MO beginning at 11 AM. This is the first leg of the two weekend event that will end with a trinity of events the following weekend on the 19th with the SMARC Rt. 66 / Tech day / meeting day big event.

EDITOR:
Billy Dalton
NOSRO

**LOCAL
NEWS**

24 HOUR NEWS LINE
SEE IT—REPORT IT!
417-520-7324



FEATURE

FCC LEVY'S FINES

WASHINGTON—The Federal Communications Commission today fined HobbyKing \$2,861,128 for marketing drone transmitters which did not comply with FCC licensing rules. HobbyKing markets devices that provide a video link between transmitters mounted on unmanned aircraft systems and users flying drones. An FCC investigation found that dozens of devices marketed by the company transmitted in unauthorized radio frequency bands and, in some cases, operated at excessive transmission power levels.

Radio frequency-emitting devices that can operate outside of radio frequency bands designated for amateur use must obtain FCC certification. The FCC's investigation found that 65 models of devices could operate outside those bands – in addition to using designated amateur radio bands – yet the devices were not certified by the Commission. Following complaints to the FCC, the Commission's Enforcement Bureau opened an investigation into the company's marketing of radio frequency devices to American consumers. In response to these complaints, the FCC issued a formal citation to warn the company that it must comply with these requirements.

Following further complaints, the Commission ordered the company to provide information on its marketing of AV transmitters, yet HobbyKing provided no further response, as required by law. The Commission thus proposed this fine in 2018 and adopted it today. Such unlawful transmissions could interfere with key government and public safety services like aviation systems and weather radar systems. If HobbyKing does not pay this fine within 30 days, this matter will be referred to the Department of Justice for collection.

ASK SMARC

Q: How long does it take to get a call sign issued by the FCC?



A: That depends. If it is filed electronically with the FCC it can take 1-4 days before issuance, possibly a day or two longer. Most send the paperwork in still which means it can take an average of 7-10 business days before it appears in the FCC ULS license system. Although I have had reports of up to 18 days. For a vanity license it takes approximately 21 days give or take one or two. I know you want it now but those are the time frames and a lot depends on your VEC.

The Uncertain Future of Ham Radio

Software-defined radio and cheap hardware are shaking up a hobby long associated with engineering

Will the amateur airwaves fall silent? Since the dawn of radio, amateur operators—hams—have transmitted on tenaciously guarded slices of spectrum. Electronic engineering has benefited tremendously from their activity, from the level of the individual engineer to the entire field. But the rise of the Internet in the 1990s, with its ability to easily connect billions of people, captured the attention of many potential hams. Now, with time taking its toll on the ranks of operators, new technologies offer opportunities to revitalize amateur radio, even if in a form that previous generations might not recognize.

READ THE FULL ARTICLE HERE > <https://spectrum.ieee.org/telecom/wireless/the-uncertain-future-of-ham-radio>

(Article too large to fit in this edition, press control and click link to read)



ROUTE 66 ON THE AIR & TECH DAY!

This year's **Route 66 on the air special event** will take place September 12-20, 2020 all across the United States, including right here in Springfield.

Amateur radio clubs using special 1×1 callsigns operate from cities on or near the route from coast to coast. Hundreds of operators worldwide aim to contact as many radio operators as possible who would like to take part in this annual event.

In Springfield we are W6R for the week long event that is held at Gay Parita in Lawrence County just outside Springfield on the 66 bi-way. People travel from around the world to visit Gay Parita Sinclair station, enjoy refreshment and many visit our station.

Come and work the W6R station at 21116 Old 66, Ash Grove, MO 65604. Dates are: 12-13th at Gay Parita Sinclair Station.

Also the second weekend (19th) from Jordan (NORK) house at 4094 N. FR 157 in Springfield.

You can also sign up to work from home if you can't make it out by going here <https://smarc.org/rt-66-on-the-air-2020/>

SOMEWHERE IN TIME

The year was 1927 when the easiest way to have a conversation with someone thousands of miles away was by shortwave radio. Also known as *ham* or *amateur* radio, it was all the craze. To boot, Robert E. Henry saw it as a huge business opportunity that could be based right here in Butler, Mo.

The first Henry Radio shop was opened primarily selling parts and equipment for the growing hobby of ham radio. Brothers Ted and Walter joined him in the venture, as they were equally fascinated that someone could push a button and speak with someone in Germany. Or Uruguay. Or beyond.

In 1941, Ted branched out by opening the second Henry Radio shop in Los Angeles on the Westwood Boulevard strip, which proved to be a prime location. Things continued to improve for Ted; his first employee, Meredith Manley, became his wife just a few years later.

The Henry bothers hit a big obstacle December 7, 1941. During wartime, the hobby of ham radio was suspended, due to security concerns. Sales dropped sharply and now there was a glut of unused ham radio equipment as operators could not even turn it on- so many opted to sell it. Cheap.

Flipside, this posed an opportunity to the Henry brothers- buy equipment from hams and resell it to MARS ([Military Auxiliary Radio System](#)) facilities around the world. The plan worked.

The war came with yet another chance to expand business for Henry Radio. A key piece of equipment needed for radios was a crystal oscillator, and the brothers promptly opened a crystal manufacturing company that boasted two locations, one in California and one in Butler, Mo.

In the years to follow, the company kept growing as the Los Angeles store expanded and new products were put on the shelf in both locations. Established radio manufacturers such as Hallicrafters and Collins had been a mainstay for Henry Radio and new lines by Drake, Swan and others were added. The company, as a whole was busier then they had ever been.

While business was already thriving, in 1962, Ted Henry took on a new project of making vacuum tube type amplifiers. As the market changed, the amplifier business finally closed down in 2005 after selling some 40,000 units to ham enthusiasts around the world in their tenure.

By the mid 1960's, Walter had opened yet another location, this time in Anaheim, California. It was around this time the stores had added consumer electronics such as televisions and household radios to their inventory. The company sold consumer electronics some 30 years, until heavy competition from discounters forced them to drop out of that market. CONTINUED ON PAGE 7 >>>>

LAST MONTH AT SMARC

3 new technicians passed their exams last month.

Treasurer Report: Little change except for a few membership and name tag sales going to general funds.



Telegraph reports directions and info for Rt 66 & tech day are in current issue with addresses.

\
The 444.400 is on the air live now with low power coverage in Springfield.

RT 66 OTA at Gay Parita 12-13th and the next weekend at Jordan's house with Rt 66, Tech Day AND meeting day!!!

HOW TO CONTACT US

(417) 520-7324

info@smarc.org

<https://www.facebook.com/SouthwestMissouriAmateurRadioClub/>

<http://smarc.org/contact-us/>

Views reflected may not be that of the Board or all members. Intellectual property ©2020 SMARC, Inc. All Rights Reserved.

CONTINUED FROM PAGE 5.....

The 1970's saw change, mostly from vacuum tube type to transistor based equipment. Henry Radio didn't miss an opportunity with this monumental transition either- They were the first company in the United States authorized to sell the now famous Kenwood line, made in Japan.

In it's heyday, Henry Radio employed more than a handful of local folks who repaired units, did shipping/receiving and handled the day to day operations at the Butler store. Some included were George Ray, Mike McGrath, Shirley Umstatt, Bob Hawkins, Bobby Henry, Marge Rutledge, Helen DeArmond, Doris Hutchinson, Julie McGuire and Dorothy Linard.

The Butler location was closed in 1985, shortly after the passing of Robert E. (Bob) Henry.

During the 1990's, the company started the construction and management of a multi-site 470 MHz trunking radio communication system to service dispatch type business in Southern California.

Today, Henry Radio continues to sell the Bird line of RF test equipment, boasting they are the oldest dealer, selling millions of dollars of Bird equipment. Henry Radio is also a premier seller of Toitsu coaxial relays from Japan. The company also still manages the trunked radio system and market an assortment of radio accessories and specialized RF parts and equipment.



LOST BANDS OF THE OZARKS

The Forgotten Bands Network of the Ozarks is a linked system intended to link together “forgotten bands” in the Springfield Metro area. It allows hams to experiment with these “crazy” bands that we rarely use. The system is mainly funded by James Atkins (KB0NHX) with support for 1 repeater by the Nixa Club. The 4 repeaters are linked together via the 444.875 MHz “hub”. They even play weather warnings and a weather tone every 5 minutes when we are under a warning. Give this new system a try, if you can!

Repeater Output	Repeater Input	Offset	Enc PL	Dec PL	Location	Owner
444.875	449.875	+ 5 MHz	162.2 Hz	162.2 HZ	Cox South Springfield	KB0NHX
927.0125	902.0125	-25 MHz	162.2 Hz	162.2 Hz	NE Springfield	K0NXA
927.1125	902.1125	-25 MHz	162.2 Hz	162.2 Hz	Crane	KB0NHX
1285.050	1273.050	-12 MHz	162.2 Hz	162.2 Hz	Cox South Springfield	KB0NHX