

HAM CHATTER



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Iranian Radars Showing Up on 10 Meters

While 10 meters has not been the hottest band in the Amateur Radio toolkit of late, Iran apparently has found it an ideal spot to operate various radars. The interference was audible in International Amateur Radio Union Region 1 (IARU R1) and perhaps elsewhere in the world.

“Iranian radars were very active on our 10-meter band every day [in May],” reported IARU Monitoring System (IARUMS) Coordinator for Region 1 Wolf Hadel, DK2OM, in the IARUMS newsletter. “On 28.860 MHz, we could daily receive the strong and long-lasting signals. Other frequencies were used in [frequency hopping] mode.”

The list of additional Amateur Radio intruders on 10 meters included — or in some cases, no longer included — some of the usual suspects. Hadel reported that FM signals from Russian taxi dispatchers, driftnet fishery buoys, and Citizens Band “abusers” in Brazil have been operating on various 10-meter frequencies, “as usual.”

Meanwhile, some chronic intruding signals have disappeared. Among the missing is the 14,295

kHz harmonic from Radio Tajik on 4,765 kHz. Radio Hargeysa in Somaliland on 7,120 kHz is said to have been off the air for several weeks due to a transmitter failure. “We did not miss the transmissions,” quipped Hadel, who also expressed the hope that the broadcast battle between Radio Eritrea and Radio Ethiopia on 40 meters may now be at an end. For some time now, Radio Eritrea contended with Ethiopian “white noise” interference on 7,140 and 7,180 kHz. This month, Ethiopia announced that it would accept a peace deal with Eritrea to end a bloody 20-year-old dispute.

Hadel reported a “hybrid modem” signal for a few days in May on 14.000 MHz from the Israeli Navy, consisting of six pre-carriers — PSK4 parallel and MIL-188-110A modified. Just below 20 meters, on 13.998.0 MHz, transmissions of MFSK-16 from Russia were observed on May 31. The signal was heard up to 14.001.165 MHz in the amateur band.

via ARRL@ <https://bit.ly/2y2eJEO>

Next Meeting June 12, 2018

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM Tuesday, June 12, at VFW Post 7032 on 1108 Mumford Road in Greenville. The program will be by Bernie Nobles, WA4MOK, Field Day Chairman. Field Day will be June 23/24 and he will be discussing plans for BARC. BARC will be at the Oakwood School on 4000 MacGregor Downs Road. Setup will be at 8 AM, June 23. [Field Day locator.](#)

All members, families and guests are invited to attend.

BARC Board Meeting

The next board meeting will be Tuesday, June 26th at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

Brightleaf 2018 Dues

Membership dues for BARC are due **January 1**. Those who have not paid their dues will not be listed on the roster and will be removed from the Ham Chatter mailing list starting in April. Membership dues are the same as they were in 2015 and are as follows:

Regular Member

\$20.00

Family Member

\$2.00

Associate Member (Non-Licensed)

\$5.00

Honorary Member

\$0.00

New Hams: 18 and younger (1st year)

\$5.00

New Hams: 19 and older (1st year)

\$10.00

Please mail your dues, along with the member application form if there are any changes to:

**Brightleaf Amateur Radio Club
P.O. Box 8387
Greenville, NC 27835**

We are requesting that you send the application form in so that we can have your correct information on file.

The form can be downloaded from <http://www.w4amc.com/application.pdf>.

If anyone has any questions concerning their membership status or their dues, please email Jeff Meyer, K4DKW, BARC Treasurer, at [jeffreymeyer55 @ gmail.com](mailto:jeffreymeyer55@gmail.com) (remove spaces in email address).

Thank you for your support and participation in BARC.

Next VE Session

Exams will be held on Tuesday, June 19, 2018 at VFW Post 7032 on 1108 Mumford Road in Greenville, NC. Exams will start promptly at 6:30 PM. For more info email Gary, KK4GC at [ve @w4amc.com](mailto:ve@w4amc.com). (remove spaces) Study material at <http://www.arrl.org/coursestraining>. Walk-ins welcome.

Please bring the following required:

- Photo ID (drivers license)
- Original Amateur Radio License
- Copy of Amateur Radio License
- Original CSCE's
- Copy of CSCE
- Test fee is \$15.00 .
- Proof of Tech Plus if before 3/21/87 and doing paper upgrade to General.
- SS Number will be needed if you don't have an FRN number. *

* More info at <http://bit.ly/1FOhE1S>.

NC ARES Internet

<http://www.ncarrl.org/ares/>

**Pitt County ARES
EC needed!**



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*Happy
Birthday*

Brightleaf Amateur Radio Club members birthdays in **June**.

11 WA4SLC Bill Dawson
12 Lindalee Hanrahan
27 W4JNC Richard Campbell

Well Wishes

Thoughts and Prayers go out to the following:

Please inform Joe Jeansonne, KB4JOE, of any changes.

Additions or corrections to KB4JOE

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FIELD DAY June 23/24

Everyone new to Amateur Radio should go to at least some of Field Day to help setup and operate the radios. It's an outstanding time for new and future Amateur Radio licenses to learn and gain experience in the great hobby. For more information, contact Bernie Nobles, WA4MOK, Field Day Chairman.

New licensees

New hams should get a receiver (or transceiver) that covers the high frequency (HF) bands and listen in on the conversations and stations working DX and the nets. It should get you wanting to join in on the fun. You can also learn the procedures for operating. It's not like CB. Also, many club members will help getting your equipment set up and answer any questions. GO TO Field Day, June 23/24.

With the possibility of Technicians getting some privileges on several HF bands, it's a great time to increase your knowledge of operating and finding that you really want to get in there and join in on the fun. Chasing stations for new awards, working contests, satellites, public service, special events, portable operations or just rag chewing may be what you may be interested in. You may get interested in working DX, emergency communications, digital, CW, exper-

imenting with antennas, mobile operations or many other activities that Amateur Radio provides. If you get a 2 meter radio, also get something for the HF bands. Using 2 meters is great for local communications but to hear the world, you need HF. New or recent hams that don't have a station set up yet, should participate in the club Field Day in late June. There you can learn and help in setting up a station, erecting antennas and operating during the contest. Even if you don't have a license yet, you can operate since there will be licensed hams with you. That should get you more interested in getting active or more active on the air.

I had listened to hams on 75 and 20 meter AM phone for approximately 5 years before I got my license. The closest hams to me were 30 miles away and I didn't know them. I started listening when I was about 13 on a Philco radio that tuned up to 22 MHz and finally got my code speed up to 5 words per minute. I took the FCC test a few days after my 17th birthday. I found a picture on <http://philcoradio.com> that looks exactly like the radio I used in the late 40s. My dad brought it in the late 30s. It stood about 3 feet high and retailed for \$69.95. I still remember vividly late in the afternoon standing next to the Philco radio on December 7, 1941 listening to the news broadcast reports with my dad about the raid on Pearl Harbor. Where was Pearl Harbor? I was in the first grade and too young at the time to know the full meaning of the impact of the broadcast.

A few months before I got my license, I ordered a Hallicrafters SX-71 from Allied Radio in Chicago so I could listen to W1AW for CW practice. I had that radio until 1957, when I sold it to **K4QDQ** (Quacky-Dee-Quack). You should have heard us on the air together using our phonics! I got a Collins 75A-4 because I was getting ready to add SSB to my station.

Collins station for sale

I plan to put my Collins station up for sale in the near future. I have not set any prices so will consider offers in the meantime. Following is a list of the equipment. The equipment includes a KWM-2 transceiver, 512F-2 power supply, 312B-3 VFO, Power meter, and phone patch, 30L-1 amplifier, CP1 Crystal Pack (109 crystals) for KWM-2/2a and a 62S-1 VHF Converter Instruction book. Also have a set of spare tubes and other Collins spare parts listed for over \$500 on the internet. Anyone interested can send me an email and I will send a file with all the details of the equipment. - W4YDY



ARRL Drone Transmitters Complaint Spurs Proposed \$2.8 Million

FCC Penalty

In the wake of an investigation resulting from a 2017 ARRL complaint, the FCC has proposed fining HobbyKing and associated entities \$2.8 million for apparently marketing non-compliant RF devices and failing to comply with Commission orders. According to a June 5 FCC Notice of Apparent Liability (NAL), HobbyKing appears to have sold audio/video transmitters (A/V) intended for use with unmanned aircraft, such as drones, marketing them as Amateur Radio equipment in some instances.

“The Enforcement Bureau previously issued a Citation notifying HobbyKing of its legal and regulatory obligations and ordering it to cease and desist from marketing noncompliant equipment,” the FCC said in the NAL. “Additionally, the Bureau issued a Citation against HobbyKing for failing to fully respond to a Letter of Inquiry. Despite these Citations, HobbyKing has continued its apparently unlawful practices.”

HobbyKing had denied that it was marketing its drone transmitters to US customers, but ARRL’s January 2017 complaint pointed out that ARRL Laboratory Manager Ed Hare, W1RFI, was able to purchase two drone transmitters from HobbyKing and have them shipped to a US address for testing in the Lab.

In his 2017 letter to the FCC Spectrum Enforcement Division, ARRL General Counsel Chris Imlay, W3KD, described the transmitters as “blatantly illegal at multiple levels,” and noted that they used frequencies

intended for navigational aids, air traffic control radar, air route surveillance radars, and global positioning systems and not Amateur Radio frequencies, as the marketer had purported.

ARRL told the Enforcement Bureau in 2017 that the devices “represent a real and dangerous threat to the safety of flight, especially when operated from a drone platform that can be hundreds of feet in the air.” Hare and ARRL Lab staffers Mike Gruber, W1MG and Bob Allison, WB1GCM, tested the units. Imlay credited ARRL Central Division Director Kermit Carlson, W9XA, and the Electromagnetic Compatibility Committee he chairs, for calling attention to the issue and prompting ARRL’s action.

In a related news release this week, the FCC said that while HobbyKing represented that its transmitters operated in designated Amateur Radio bands, the Commission’s investigation uncovered that 65 models could also apparently operate outside of the ham bands. The FCC noted that Amateur Radio equipment used to telecommand model craft are limited to 1 W (1,000 mW), but three transmitters included in the NAL “apparently operate at significantly higher power levels of 1,500 mW and 2,000 mW.”

“The Commission generally has not required amateur equipment to be certified, but such equipment must be designed to operate only in frequency bands allocated for amateur use,” the NAL said. “If such equipment can operate in amateur and non-amateur frequencies, it must be

certified prior to marketing and operation.” The FCC also said in its NAL that consumers who own such HobbyKing devices “should cease using them immediately or risk enforcement action.”

The FCC this week also issued an Enforcement Advisory cautioning that drone transmitters must comply with FCC rules in order to be marketed to customers in the US, and that operators must comply with FCC rules.

“However, many A/V transmitters that purport to operate on amateur frequencies also operate on frequencies that extend beyond the designated amateur frequency bands,” the advisory said. “If an A/V transmitter is capable of operating outside of the amateur frequency bands, it cannot be advertised, sold, or operated within the United States without an FCC equipment certification. Individuals without an amateur license may not use such radio equipment, if it is designed solely for use by amateur licensees.”

Imlay said the FCC action addressed “another of many instances in which unscrupulous importers import and market products in the US touted as Amateur Radio equipment but actually marketed to the general public, and which, in this case, have a high potential for abuse and interference to other radio services and to radio amateurs.” Imlay characterized the FCC NAL as an important “line in the sand” aimed at keeping companies from encouraging the general public to use the amateur bands without a license.

via ARRL @ <https://bit.ly/2l1rojz>

Ham Ads

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**Send ads to:
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Greenville, NC 27835, ATTN: Joe Jeansonne
or email to: hamchatter@w4amc.com(no spaces)**



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Short Wave & Reference Books

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The first authoritative and easy-to-understand book on 5 Meter communication—your guide to a new and fascinating aspect of radio. Written by Frank C. Jones, designer of the 5 Meter Transceivers now used in the construction of the world's largest bridge at San Francisco. Supplementary chapters by Kruse, Hawkins, Haight,

and Hart, all acknowledged 5 Meter authorities. This book is written so that you can get started right in the 5 Meter band which offers practical voice communication over short range for police cars, airplanes, construction work, camping trips, office to office calls, etc. The 5 Meter band will soon be invaded by Television also. "5 Meter Radiotelephony" shows how to build 12 types of 5 Meter receivers, transmitters, and transceivers, including the popular and inexpensive ALLIED Knight Transceiver. Also contains full details on 5 Meter antennas, operating notes, design data, etc. Get this book and be among the first in this thrilling new field.

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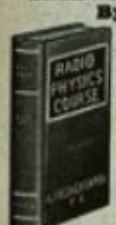
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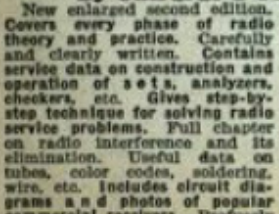


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G7079. NET... \$1.10

BELOW TEN METERS



Describes the history of Ultra S.W. Radio, with valuable data on Generation, Radiation, and measurement of Quasi-Optical and Infra-Red Rays, Commercial Applications, use of 3 and 5 meter amateur band, Ultra S.W. for television, etc. 68 valuable pages. Over 120 illustrations.

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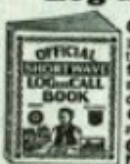
G5200. NET... 38c

HOW TO BECOME AN AMATEUR OPERATOR

Tells what apparatus is required, how to obtain a license, how to build and operate transmitters and receivers, etc. Complete and easy to understand. 72 pages. 150 illustrations.

G5201. NET... 38c

Official Short Wave Log and Call Book



Published by Short Wave Craft. Contains the most complete list of Short Wave Stations in the world; has sections for listing calls; distance chart; meter to kilocycle conversion chart; complete Continental Code; international abbreviations, etc.

G5205. NET... 25c

16 Most Popular Short Wave Receivers

Fully illustrates and describes 16 excellent Short Wave Radios. Easy to build. All new type receivers and fine performers.

G5202. NET... 25c

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G5203. NET... 25c

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The books listed below are selected from the Technical Series compiled and edited by the Headquarters staff of the American Radio Relay League. They are the outstanding books for the Ham; modern and up-to-the-minute.

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All the accumulated knowledge of Amateur Radio has been considered and condensed into the 259 pages of this book. Filled with essential data on Amateur Radio Fundamentals. With valuable data appendix. It is 6 1/2" x 9 1/2" and contains 223 illustrations. The "Ham's" bible.

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The standard guide for the prospective amateur. Describes the construction and operation of a simple, inexpensive transmitter and receiver. Contains other information of extreme value for those who wish to enter this fascinating field. Describes steps in obtaining a license; gives important hints. Over a hundred illustrations.

G2176... 25c

RADIO AMATEURS LICENSE MANUAL

Completely covers all Amateur License requirements. Will help you pass the government examinations. Gives 198 frequently asked questions and answers. An essential guide for the prospective "ham" that will save you time and money.

G2177. NET... 25c

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G7590. RCA-Victor Service Notes for 1933. G7591. RCA-Victor Service Notes for 1931-1932. YOUR PRICE, EACH... \$1.00

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G7081. YOUR PRICE... \$3.92

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.

"You have not demonstrated any changed circumstances or other reason that would warrant revisiting this decision," the FCC concluded. "Consequently, we dismiss your petition."

The FCC did not assign a rulemaking petition (RM) number to Adkins' petition nor invite public comments.

Read more @ <https://bit.ly/2y8SPQe>

**NETS
VHF/UHF**

- ◆ BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆ Newport SkyWarn Tues. nights 2100E Grifton-146.685-88.5 tone
- ◆ Newport-145.450..... IRLP 8561 links to Columbia
- ◆ Jacksonville-147.000- 88.5 tone
- ◆ Oriental-147.210-151.4 tone
- ◆ 444 Newport-444.825- 88.5 tone
- ◆ Swansboro-146.760- 88.5 tone
- ◆ Grantsboro-145 230 - 85.4 tone.
- ◆ Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆ Eastern North Carolina Traffic Net, Every night, 2030 on 146.685 MHz.
- ◆ Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 146.88 MHz.
- ◆ Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz.
- ◆ Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25

HF

- ◆ Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

NTS CW Nets

- ◆ 3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆ 3.573 1900 hours, high speed (20wpm)
- ◆ 3.573 2200 hours, slow speed (12-14 wpm), South Carolina/ North Carolina

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

BARC - 2018 CALENDAR OF EVENTS

SARL 80M QSOP Apr 05
 SP DX Apr 07
 Club Meeting Apr 10
 JIDX CW Apr 14
 Oakwood Topics Apr 14
 VE Apr 17
 Holyland DX Apr 20
 ES OPEN HF Apr 21
 CQMM DX Apr 21
 YU DX Apr 21
 Board Meeting Apr 24
 ARI Intl DX May 05
 CQ-M Intl DX May 12
 Club Meeting May 08
 Oakwood Topics May 12
 Board Meeting May 22
 CQ WW WPX CW May 26

Asia Pacific Sprint SSB Jun 09
 GACW WWSA DX CW ... Jun 09
 Club Meeting Jun 12
 Oakwood Topics Jun 16
 All Asian DX CW Jun 16
 VE Jun 19
 ARRL Field Day Jun 23
 Board Meeting Jun 26
 RAC Canada Jul 01
 Marconi HF Jul 07
 Club Meeting Jul 10
 Oakwood Topics Jul 14
 IARU HF Jul 14
 Jakarta DX 40M Jul 21
 Board Meeting Jul 24
 RSGB IOTA Jul 28
 European HF Aug 04

Southern Africa HF SSB .. Aug 05
 WAE DX CW Aug 11
 Club Meeting Aug 14
 Oakwood Topics Aug 16
 NA QSOP SSB Aug 18
 VE Aug 21
 YO DX HF Aug 25
 SARL HF CW Aug 26
 Board Meeting Aug 28
 All Asian DX SSB Sept 01
 WAE DX SSB Sept 08
 Club Meeting Sept 11
 Oakwood Topics Sept 15
 Scandinavian CW Sept 15
 UK/EI SSB Sept 22
 Board Meeting Sept 25
 SARL 80M Oct 04

Oceania SX SSB Oct 06
 Club Meeting Oct 09
 Oakwood Topics Oct 13
 Oceania DX CW Oct 13
 VE Oct 16
 Asia Pacific CW Oct 21
 CQWW SSB Oct 27
 Board Meeting Oct 23
 Club Meeting Nov 13
 Oakwood Topics Nov 17
 Board Meeting Nov 27
 Club Meeting Dec 11
 Oakwood Topics Dec 15
 VE Dec 18
 Board Meeting Dec 25

To:



June 2018
 Next Meeting
 June 12, 2018



Ham Chatter
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