

INDIAN RIVER ARC

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SPURIOUS EMISSIONS

VOLUME XLV, NUMBER 12

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DECEMBER, 2019

Merry Christmas and may Gods grace be with you. Make merry not just on this wonderful holiday but all through the year!

> Club Christmas dinner is December 5 at 6:30 PM at Red Lobster on Merritt Island.

Contests in December:

6-8	160 Meter
14-15	<u>10 Meter</u>
22	Rookie Roundup-CW

HAPPENINGS

December 11 marks the 98th anniversary of the success of ARRL's Transatlantic Tests in 1921, organized to see if lowpower amateur radio stations could be heard across the Atlantic cation between US radio amausing shortwave frequencies (i.e., above 200 meters). On that day, a message transmitted by a group of Radio Club of America members at 1BCG in Greenwich, Connecticut, was copied by Paul Godley, 2ZE, in Scotland. While

the first two-way contact would not take place until 1923, the 1921 transatlantic success marked the beginning of what would become routine communiteurs and those in other parts of the world - literally the birth of DX. To commemorate this amateur radio milestone, Maxim Memorial Station W1AW will be on the air through the day on December 11 with volunteer operators.

The goal is to encourage contacts between radio amateurs in the US and Europe while showcasing the significance of the transmissions that pioneered global communication and laid the groundwork for technology widely used today. The event will run from 1300 until 0000 UTC. Some details are still being worked out, but operation will focus on 40 and 20 meters (SSB).

SPURIOUS EMISSIONS

HAPPENINGS

SKYWARN Recognition Day will mark its 20th anniversary on December 7, 0000 to 2400 UTC. ARES, SKYWARN and other amateurs will operate from National Weather Service (NWS) forecast offices across the country in a nod to the long relationship between the Amateur Radio community and the NWS SKY-WARN program, developed by NWS and ARRL staff in 1999. Participants exchange contact information with as many NWS stations as possible on 80, 40, 20, 15, 10, 6, and 2 meters, plus 70 centimeters. Contacts via repeaters are permitted. Stations should exchange call signs, signal reports, and locations, plus a quick description of the weather at your location (e.g., sunny, partly cloudy, windy, rainy, etc.). EchoLink and IRLP nodes, including Voice over Internet Protocol Weather Net

ON THE AIR

W2W - Pearl Harbor Day Commemoration Dec 1-Dec 8, 1300Z-2200Z, W2W, Baltimore, MD. Amateur Radio Club of the National Electronics Museum (ARCNEM). 14.241 14.041 7.241 7.041. Certificate & QSL. W2W - Pearl Harbor Special Event, PO Box 1693, MS 4015, Baltimore, MD 21203

Skywarn Recognition Day Dec 7, 0000Z-2359Z, NOW, Fruita, CO. Mesa County Skywarn. 14.286 7.235 3.990. Certificate & QSL. Al Acker, WA4HND, 1685 Mae Ct., Fruita, CO 81521.

WX3MAS Special Event Dec 12 -Dec 15, 1400Z-2200Z, WX3MAS, Nazareth, PA. Christmas City Amateur Radio Club. CW and PSK31 on 20 and 40 meters; 14.265 7.270 3.850. QSL. Christmas City Amateur Radio Club, 14 Gracedale Ave, Greystone Building, Nazareth, PA 18064 Operation details at www.dlarc.org (VoIP-WX), are expected to be active as well. <u>WX4NHC</u> at the National Hurricane Center will also be on the air for SRD, 1300 -1700 UTC. Event certificates are electronic and printable from the main website at the conclusion of SRD. Please see the <u>SKYWARN</u> <u>Recognition Day website</u>.

"Big Wire Antennas" is the topic of the new (November 21) episode of the ARRL <u>The Doctor is In podcast.</u>

ARRL'S EC-001-S online "Introduction to Emergency Communication" course is now available to students in an on-demand format, allowing students to register for the course and begin work at any time. This course is designed to provide basic knowledge and tools for any emergency communications volunteer.

town Rd. W., Kershaw, SC

29067. www.grz.com/db/kl7rst

14th Annual Straight Key CW

Event Jan 2-Jan 31, 0000Z-

2359Z, K3Y, various cities.

SKCC - Straight Key Century

Club. 21.050 14.050 7.055

3.550. Certificate & QSL. SKCC

c/o Jeremy Downard, KD8VSQ,

cumseh, MI 49286. K3Y/0 thru

511 W. Pottawatamie St., Te-

9 plus KH6, KL7, KP4 and DX

member stations in six WAC

areas operating straight key,

bug and cootie keys. QSL card

confirms one QSO per area, up

to 19 for all-area sweep. See

URL for schedule, map, stats,

etc. www.skccgroup.com/k3v

In response to the great course demand and to expand access to EC-001, ARRL developed a self-guided version of the course, EC-001-S, which launched in June. This version of the course is designed for those who prefer to work independently and who do not need guidance from an online mentor. EC-001-S was previously offered only during specific sessions along with the traditional mentored version. The course opened for general enrollment on November 6. Visit the ARRL Online Course Registration page for more information and to register.

FCC seeks to clear radio amateurs out of 3.4 GHz. An FCC Notice of Proposed Rulemaking (NPRM) proposes to remove the existing non-federal allocations in the 3.3-3.55 GHz band. More details in the FCC site: Notice of Proposed Rulemaking - WT Docket No. 19-348 https:// docs.fcc.gov/public/ attachments/DOC-360941A1.pdf

The WSJT Development Group has announced the release of WSJT-X version 2.1.1. This is the free software suite that includes the FT4 and FT8 protocols. "WSJT-X 2.1.1 is a bug-fix release that addresses regressions in version 2.1.0," the announcement said. "The new version executes properly on Macintosh machines running macOS 10.15 (Catalina)." <u>Links</u> to installation packages for Windows, Linux, and Macintosh are available.

NCDXA 5th Annual Worked All RST Special Event Jan 1-Feb 28, 0000Z-2359Z, KL7RST, Anchorage, AK. North Country DX Association (K7ICE). 14.250 14.075 7.190 7.050. QSL. J. Reisenauer, 2573 Old George-

Andre, ON7YK will be active as C5YK from Bijilo, **Gambia**, until March 2020. He will operate on HF Bands, Digital modes, CW, SSB.

Heye, DJ9RR will be active again as 8R1/AG6UT from **Guyana**, starting 20 November 2019. He is working on 40 - 10m.

Karl, DK2WV will be active as 7Q7W from **Malawi**, starting 18 November 2019 for about 3 weeks. He will be 40 - 6m, SSB, FT8, CW.

AU2JCB is a special event callsign to commemorate the birth date (30 NOV) & to pay homage &to to tell about the great **INDIAN** scientist Acharya JAGADISH CHANDRA BOSE who is recognized as the "Father of Wireless

Communication" by the scientific community of our world. VU2DSI- Datta Deogaonkar will operate with this AU2JCB special event call-sign. The Details of operation----Period----23 NOV 2019 to 16 DEC 2019 Frequencies--10 M-- 28545, 28510, 28490. 21 M-21235, 21310, 21350, 20M-14210, 14250, 14310. 40 M---7040, 7150. 80 M --- 3710. IN FM MODE----- 6M -50800, 51500. 10 M---29700.

80th Anniversary of the Sikorsky VS-300 Helicopter Dec 7-Dec 15, 0000Z-2359Z, K1S, Stratford, CT. Stratford Amateur Radio Club SARC. 18.150 14.240 7.230 3.925. QSL. SARC c/o Dave Arruzza, 32 Benz Street, Ansonia, CT 06401. SASE for commemorative QSL card.

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Field Day by Armando Delgado, KN4JN

It's been six months since the last Field Day, and it will be six months before the next one. Now is a good time to reflect on the meaning and purpose of Field Day.

Field Day is the one day of the year when hams in North America set up and operate stations away from commercial power sources, and in many cases, away from modern conveniences, in an effort to simulate the emergency conditions of a disaster. During these twenty-four hours, operators try to make as many contacts as possible with as many stations as possible, testing their technical, operational, and endurance skills. It is a learning environment that repeated over the years builds teams of highly skilled operators willing and able to tackle the most adverse conditions for communications.

Although stations tally score points, the ARRL, the sponsor of Field Day, claims that it is not a contest. And indeed, there are no declared winners for Field Day. Actually, most groups compete against themselves, trying to outperform their previous year's results. The scoring actually is one of the gages that allow operators to compare their performance vis a vis their previous years. The score also gives a sense of value to the activity.

But Field Day is more than an exercise in emergency preparedness. The ARRL encourages participants to set up their stations in public places and to invite the public at large to see the stations and to educate the public on the activities of Field Day and of amateur radio in general. They also encourage operators to invite local government officials and the news media to visit the sites. In other words, Field Day is a public relations activity as well as an emergency training exercise.

Many hams take their amateur radio activities for granted. We all, at one time or another, forget that in order to transmit on the air one has to be licensed by the government. In reality, what that means is that the ability to get on the air is a privilege granted by the government. And what the government gives, the government can take away.

The radio spectrum is a very valuable commodity today, and the amateur portion of the spectrum is extremely valuable. The amateur service acquired the HF portion of the spectrum at a time when the frequencies above 1800 KHz were considered useless. Amateurs not only found a use for these frequencies, but they determined that they were the best for long distance communications. Unfortunately, for those commercial operators who later might have wanted those frequencies, by the time their value was determined, they had been assigned to the amateur service by international agreement.

Yet, we retain those frequencies because the consensus between governments and people in general is that amateur radio provides a useful societal service. We are there to provide communications in emergencies, when all other forms of communication are down. We also engage in experimentation and research at no cost to taxpayers or governments and generally provide the results of our findings to the world for free. Yet, we live in a very competitive world, where all values are relative.

If at any point in time the societal usefulness of amateur radio were to come into question, our radio spectrum would likely disappear to go into the hands of commercial, tax-paying operators. Recently, we saw the French government request the International Amateur Radio Union Region I, which encompasses Europe and Africa, to shift allocation of the amateur 2m (144MHz-146MHz) spectrum for aeronautical navigation uses. Around the world, this amateur band is the most popular and most used for repeater communications, including many emergency operations. It was only a proposal and after a strong negative response from the world amateur community it was withdrawn, but it illustrates how easily our radio spectrum can be challenged.

The World Radiocommunication Conference 2019 (WRC-19), a meeting that occurs every four years to discuss radio frequency allocations around the world, was held last month. The International Amateur Radio Union (IARU) participates in this meeting in a non-advisory capacity; that is, those representing IARU may attend meetings but may not participate unless asked by the chairman to provide information. Following a few days of contentious debate, David Sumner, K1ZZ the IARU secretary, stated: "The pressures for spectrum access to accommodate new uses for commercial purposes are intense; for an established service such as ours, any WRC that does not reduce our own useful spectrum access is a success,"

So when Field Day comes around, remember that it is more than just an emergency operations exercise: Field Day is part of the life blood of amateur radio.





W1AW CW PRACTICE TRANSMISSIONS

7 PM EST Slow CW : 5-15 WPM Mon, Wed, Fri

7 PM EST Fast CW: 35-10 WPM Tue, Thu

FREQUENCIES: 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555



Editor's Note:

Send comments about the Newsletter or to contribute information or articles to the Editor's email address:

olardelga@aol.com.

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145.350	350 SC	-600	108.5	K4OSC	St. CLOUD, OSCEOLA	KIXC	Radio Science Club, Fl Club
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146.625		-600		KE4NUZ	NW of MIMS NEAR HARRISON RD.	KE4NUZ	Limited coverage
146.775		-600		KAKSC	NW of MIMS Hog Valley , W of 195	K4KSC	
146.850		-600	None/107.2		PALM BAY- Port Malabar Rd.	PCARS	Tone Downlink Only
146.880		-600		W4NLX	ROCKLEDGE- WUESTHOFF HOSP.	RARC	FUSION Repeater replaced with Bridgecom
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Hours: MON - FRI 9 AM - 5 PM SATURDAY 9AM-3PM

TED - W4LR - GENERAL MGR.

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