



The Ragchew W5NFL Newsletter



DMR # 3148669 W5NFL NFLARC

The NFL Amateur Radio Club

Meets the second Saturday of each month at 12:00 noon lunch and 1:00 PM Meeting at the NFLARC clubhouse, near Dobins Rd & CR1020 Corsicana



Sign points to Clubhouse on CR 1020

The Linked Repeaters at

- Corsicana - 2M (145.290 + with a tone of 146.2)
- Corsicana – DMR 440 (442.925)
- Buffalo - 2M (147.280 + with a tone of 146.2)
- Franklin - 2M (146.960 - with a tone of 146.2)
- Hillsboro - 2M (146.780 - with a tone of 123.0)
- Fairfield * 2M (145.110 * with a tone of 146.2)
- Lindale * 2M (145.600 simplex with a tone of 146.2)
- Mexia * 2M (145.39 - with a tone of 146.2)
- Echolink * KD5OXM-L
- We can be Monitored via
 - <http://nflarc.org/radio.html>
 - <http://www.radioreference.com>
 - Look for
 - Navarro, Freestone, Limestone and Leon Counties Repeaters”

THE DMR-MARC LINKED REPEATER AT

- Corsicana – DMR 440 (442.925+ cc9)

RX	442.925	
TX	447.925	
Color Code	9	
TS	TG	Description
1	2	Dallas Metro (Primary)
1	3	North America (PTT activated with 10 min inactivity timeout)

1	1	Worldwide All Languages (PTT activated with 10 min inactivity timeout)
1	3100	Bridge (PTT activated with 10 min inactivity timeout)
1	310	Tac 310 (PTT activated with 10 min inactivity timeout)
1	3777215	Comm 1 (PTT activated with 10 min inactivity timeout)
2	9	Local (PTT activated with 10 min inactivity timeout)
2	3148	TX Statewide (Primary)
2	3175	TX-OK Statewide (PTT activated with 10 min inactivity timeout)
2	9000	TX Statewide Brandmesiter (PTT activated with 10 min inactivity timeout)

License Training Class / Testing

TBA

Local News & Events

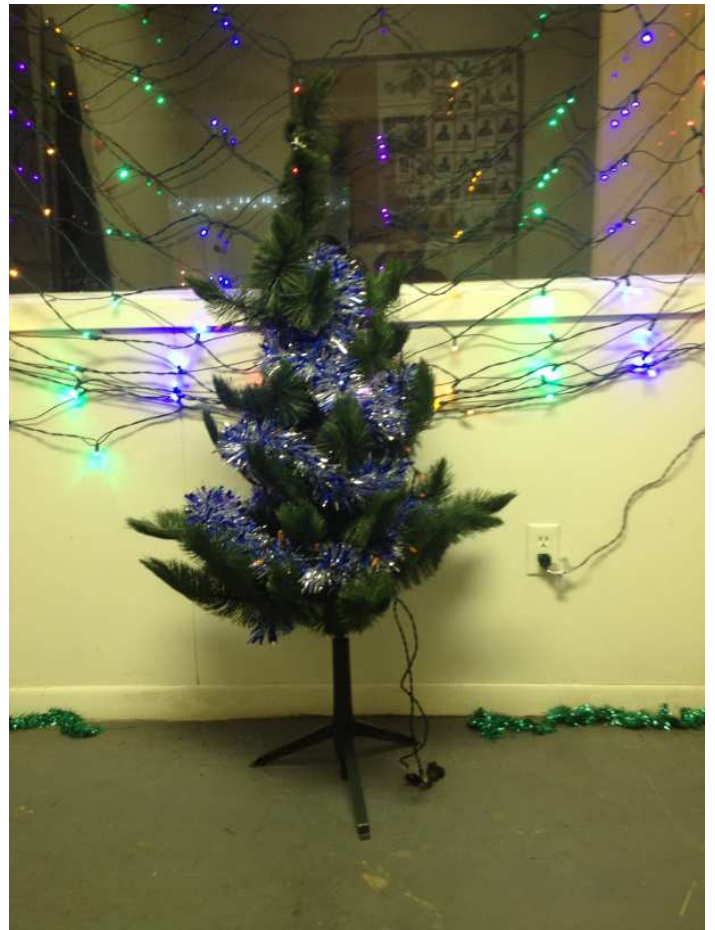
Look who's into DMR now

DMR #	Call - Name
3148591	K5RCM - Rebekah
3140265	KA5LSU - William
3148585	KD5JUM - Edward
3148505	KD5OXM - James
3148434	KE5CDK - Doug
3148590	KE5CDK - Doug
3148474	KE5FGU - Mary
3148517	KE5YPH - Joe
3148589	KW5MOS - Kevin
3140264	WA5LSH - Tracie
3148586	WB5YFX - Wil
3148669	NFLARC

Decorating for December Meeting / Party



Gate



Tree at entrance



Conference Room



Studio 1

NFLARC Weather Nets



NFLARC Weather Net Frequencies:

- Corsicana - 2M (145.290 + with a tone of 146.2)
- Corsicana - 440 (442.925 DMR CC9 TG-Local)
- Buffalo - 2M (147.280 + with a tone of 146.2)
- Franklin - 2M (146.960 - with a tone of 146.2)
- Hillsboro - 2M (146.780 - with a tone of 123.0)
- Fairfield - 2M (145.110 * with a tone of 146.2)
- Lindale - 2M (145.600 simplex with a tone of 146.2)
- Mexia - 2M (145.39 - with a tone of 146.2)
- Simplex Frequency - 146.500 MHz
- Echolink - KD5OXM-L

ARES Net



Limestone ARES Group

ARES group for Limestone Co.

List their Coms plan as follows:

- Repeaters
 - Mexia Repeater 145.39 – Primary
 - Hillsboro Repeater 146.78 – Secondary
- Simplex
 - 146.500 FM Primary
 - 146.550 FM Secondary
 - 147.550 FM Texas State Guard Freq

They will have a weekly net on Tuesday Nights 8PM on Mexia Repeater 145.39

World News & Event

SKYWARN Recognition Day On-the-Air Event is Saturday, December 3

The annual **SKYWARN** Recognition Day (**SRD**) on-the-air activity will take place Saturday, December 3, from 0000 until 2400 UTC (starts on the evening of Friday, December 2, in US time zones).

SKYWARN Recognition Day was developed in 1999 by the National Weather Service and ARRL to honor the contributions that SKYWARN volunteers make to the NWS mission — the protection of life and property during threatening weather. During the SKYWARN Special Event, hams will operate from several NWS offices. W1AW will take part in the event.

The object of the event is for all participating Amateur Radio stations to 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 will exchange call signs, signal reports, locations, and a one or two-word description of the weather at their respective locations (e.g., “sunny,” “rainy,” “partly cloudy,” “windy”). NWS stations will use various modes, including SSB, FM, AM, RTTY, CW, and PSK31. While using digital modes, special event stations will append “NWS” to their call signs (e.g., NOA/NWS).

Event certificates will be electronic and printable from the main website after the conclusion of SRD. An **online submission form** is available to submit your log summary for SRD.

SRD Webinar Set

A webinar will be offered on November 30 at 0100 UTC (the evening of November 29 in US time zones) in advance of the 18th **SKYWARN** Recognition Day (**SRD**) on December 3. **Register** for the webinar online.

The pre-event webinar will cover SKYWARN Recognition Day basics, explain how to participate, and alert participants to a few changes in store for 2016. The webinar will be recorded and posted to the ARRL YouTube channel.

Mark Twain's 181st Birthday Special Event by ARRL Staff November 28 - December 4

W1T

Primary only for: DB/W1T

225 Main St
Newington, CT 06111
USA

QSL: c/o ARRL HQ with SASE

ARRL staff will be operating as W1T from November 28 - December 4, in honor of Mark Twain's 181st birthday.

The highlight of the week will be a special event station on the grounds of the Mark Twain House and Museum on November 30, Twain's actual birthday. Activities from the Mark Twain House will be from 1400 - 2100 UTC.

November 30 will be the only day W1T will be active from the Mark Twain House and Museum; all other W1T operations will take place in the Hartford, Connecticut area, but not at the House and Museum.

Born in Missouri in 1835, Samuel Clemens, later known as Mark Twain, lived in Hartford from 1874 - 1891. He wrote many of his classic works while in Hartford, including *The Adventures of Tom Sawyer*, *Adventures of Huckleberry Finn*, and *A Connecticut Yankee in King Arthur's Court*.

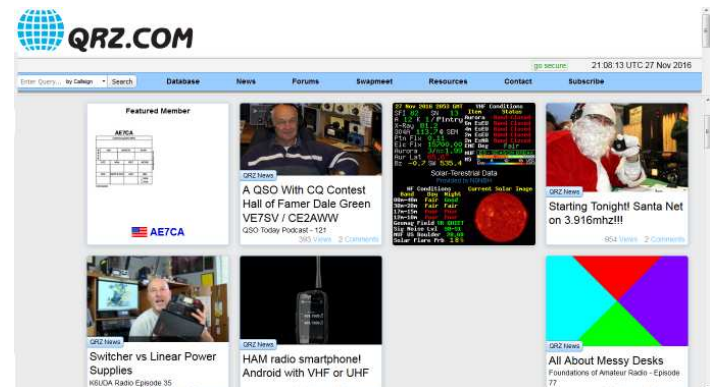
Operations will be on all bands and modes, including satellites. Staffers will be operating during non-work hours or during lunch breaks.

A special QSL card will be available for the event. All QSOs will be uploaded to Logbook of The World.

QSL via:

W1T Mark Twain Special Event
c/o ARRL
225 Main Street
Newington, CT 06111

Been to QRZ lately?



They are sporting a new look.

But a lot of hams don't like the new look!

I admit it, I too do NOT like the look, and share many critical comments on their forum about the look.

As of Nov 27, There are 612 negative comments about the new look so far since Nov 9th

<https://forums.qrz.com/index.php?threads/new-qrz-home-page.543899/>

NK2U wrote

I wrote to Fred directly via e-mail and he replied that he will not change the page back and that the users need to learn to live with it.

It kind of reminds me of the the then new ARRL web page roll out a good number of years ago. It was and still is a navigating nightmare that I can't find anything on. They were totally disinterested in any constructive criticism.

No \$ from me then ARRL.

I plan to live with it at QRZ too, I'll look up a callsign (with my ad blocker running) then leave, just like the ARRL site.

Suggestions Requested for Technician Pool

The National Conference of Volunteer Examiner Coordinators (NCVEC) Question Pool Committee (QPC) is reviewing the 2014-2018 Technician question pool for revisions and updates. The QPC will accept comments and suggestions from the Amateur Radio community via e-mail through 31st March 2017.

The NCVEC QPC will take all comments and suggestions into consideration as it updates the Technician question pool for 2018-2022. Input from the Amateur Radio community may include suggestions for new questions, changes to the topic areas, or changes to existing questions in any of the current Amateur Radio examination question pools.

More Information - <http://www.arrl.org/news/ncvec-question-pool-committee-seeks-comments-on-the-technician-question-pool>

New Greenlandic Beacon - OX4M

Launched earlier in November 2016, Bo, OX3LX/OZ1DJJ, has activated a new Greenlandic beacon OX4M on the air from Ittoqqortoormiit in HQ90AL.

The frequency is 70,047 MHz running 25 W into a dipole radiating North/South.

The beacon transmits PI4 + CW + carrier and has a sister beacon OX6M on 50,047 MHz too.

HF Antenna Tester

SOTABeams have launched a new product to help with testing, locating and monitoring antenna propagation.



WSPRlite Antenna Performance Analysis System consists of two parts, WSPRlite a WSPR beacon and DXplorer a data

analysis website. WSPRlite sends a test transmission which is received by hundreds of stations across the world. DXplorer is a web based system that gathers these reports and presents them in a whole new way, allowing the user to check the DX performance of their antenna system.

SOTABeam claim the real break-through is the ability to compare systems in real time and all over the world. DXplorer does this in a simple and intuitive way enabling you to see what difference changes to your antenna system really make to its DX performance.

WSPRlite Antenna Performance Analysis System - <http://www.sotabeams.co.uk/wsprlite>

Hara Arena items to be auctioned off starting Thanksgiving

If you want a piece of Hara Arena history, now is your chance to get it.

Items from the now-closed Dayton Hara Arena & Exhibition Center will be auctioned off online starting on Thanksgiving Day. The public can view the sale items in Hara's East Hall from noon to 3 p.m. Sunday, Nov. 27.

The family-owned arena closed its doors forever in August, after a 60-year run of sports, concerts, entertainment and special shows in the Miami Valley. It hosted its last event on late August, taking with it a \$36 million annual economic impact.

Everything But the House, an online global marketplace for estate sales, will host an online auction showcasing the eclectic assortment of Hara items and memorabilia. All items starts at a \$1 bid.

The auction will include a limited number of Hara Arena and Cincinnati's Crosley Field seats, Hara signage, photos, posters, sports and event memorabilia, sports equipment, chandeliers, catering items, tables and chairs.

An estate sale for Ralph and Edna Wampler will also run during the same time on the website. The Wampler family maintained the business for all 60 years, but problems started when founder Harold Wampler died in 1996.

His unresolved estate — under which Hara is co-owned — launched a 20 year family and legal battle that drained Hara of the resources for much-needed renovations and reorganization, according to the press release.

Vanity Call Sign Rule Changes Petition

The FCC is inviting comments on a Petition for Rule Making (RM-11775) from a Nevada radio amateur that seeks changes to the rules governing the Amateur Radio Vanity Call Sign Program.

Christopher LaRue, W4ADL, of North Las Vegas, is proposing that any licensee obtaining a vanity call sign be required to keep it for the full license term. LaRue contends in his petition that excessive and frequent vanity call sign filings are hampering the ability of other qualified licensees to obtain vanity call signs in one of the more desirable 1 x 2 or 2 x 1 formats.

“Some are changing call signs almost monthly, just to keep the newer code-free Extra class operators from obtaining a shorter call sign. I’ve even seen an older operator that said he does it all the time and has not even owned a radio in over 6 years.

When I looked him up, he has had 16 different [call signs] in 18 months.”

— Christopher LaRue, W4ADL

The Channel 5 show gave extensive airtime to completely false claims about Armando Martins amateur radio station. These falsehoods were repeated time and again throughout the show giving the impression to viewers that they might have been true. Ofcom has never found anything wrong with his station, the false health claims made in the show could cause considerable worry among viewers.

Direct link to online programme complaint form - <https://ofcomforms.secure.force.com/formentry/SitesFormCSLEStandardsComplaints>

Possible SW Radio Solution to Worldwide Web Access

For the past four years, KNL Networks, based in Oulu, Finland, have been developing a revolutionizing system that enables internet connection anywhere in the world – even in the middle of the Pacific Ocean – without using expensive satellite systems.

The group have secured more than \$10m of A round funding, enabling the group to progress with the project. Facebook and Google have been exploring the possibility of bringing internet to remote locations by relaying data through a network of balloons. KNL's technology, on the other hand, proposes the opposite: incredibly long range signals, by sending internet protocol over the radio.

KNL's technology is already being used to provide robust internet connections to ships on the Atlantic and Pacific Oceans, but can be used anywhere on the globe for many different applications. Amongst others, the company sees a future in the development of the Internet of Things and autonomous vessels,

as the internet anywhere technology will enable live-streaming of data from the most extreme locations.

Such capabilities are currently only possible with satellite networks, which are very expensive to operate. Instead, KNL's technology relies on shortwave radio transmissions, which can transmit data for thousands of kilometers, for a fraction of the cost of a satellite system. Accomplishing this has required the innovation of long-distance high frequency radio systems. In comparison with satellite internet, the radio technology offers the additional advantages of being easier to use, always on.

Amateurs Criticize UK TV Show

The Nightmare Neighbour Next Door broadcasted recently on Channel 5, has drawn criticism from radio amateurs across the UK.

The show featured radio amateur Armando Martins M0PAM who has been subjected to a prolonged campaign waged by his neighbours who wish to stop him enjoying his hobby.

“Unfortunately, the RSGB was not invited to be part of Channel 5's “Nightmare Neighbour Next Door” programme or to verify any facts. We have, of course, contacted Channel 5 about our concerns and have highlighted the positive aspects of amateur radio. We have also offered our expertise and input for future programmes where amateur radio is mentioned.”

— RSGB Statemnt

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Does Revised Driving Law Restrict Hams?

An amendment to Bill 1785 in California may have an impact on Hams within the state.

In the bill's previous version, an exception was included to allow use of Amateur Radio equipment under the law prohibiting motorists from using electronic wireless communication devices to write, send, or read a text-based communication while in motion, unless the device was configured for voice-operated and hands-free operation.

The new law, signed by Governor Jerry Brown, omits the Amateur Radio exemption, and contains the text “prohibits a motorist from driving “while holding and operating” a hand-held wireless telephone or a wireless electronic communication device, as defined by the code. “

The amended bill does “authorizes a driver to operate such devices mounted on a vehicle’s windshield like a GPS or on the dashboard or center console “in a manner that does not hinder the driver’s view of the road,” if the driver can activate or deactivate a feature or function “with the motion of a single swipe or tap of the finger.”

The new law appears to have a lack of clarity as to what is allowed.

A first offense would incur a \$20 base fine and \$50 for subsequent offenses.

ARRL General Counsel Chris Imlay, W3KD, said there are two principal ways to protect Amateur Radio in this type of legislation. “One is by sufficiently narrowly defining prohibited activity so as to exclude Amateur Radio,” he said. “The other is to create specific exemptions where the definitions are confusing. This new statute is an example of bad legislative draftsmanship. It creates a motor vehicle law with citations issued for certain activity that includes the words ‘but is not limited to’ in the language defining the violation.”

In addition to scrutinizing the language of the revision, ARRL will be consulting with Field Organization officials in California to determine its next steps.

New version of ROS data mode

Jose Alberto Nieto Ros, EA5HVK has announced the release of a new version of the ROS HF weak-signal data mode. A new error correction code have been implemented in ROS mode and improves slightly decoding in HF conditions. The new algorithm will start operating from 9th November 2016 with v7.4.0

Download ROS v7.4.0 - <https://rosmodem.wordpress.com/>

2016 ITU Radio Regulations Released

The 2016 ITU Radio Regulations have been released, available as a free download via the ITU website, in English and five other languages.

“This global treaty known as the ITU Radio Regulations, and upon which mobile communications and all other uses of the wireless technology internationally depend, is celebrating its 110th anniversary - An incredible success story!”

— ITU Secretary-General Houlin Zhao

Coming into force from 1st January 2017, the regulations are the result of the work following the World Radiocommunication Conference 2015.

An event to celebrate the 110th anniversary of the Radio Regulations will take place at the World Radiocommunication Seminar (WRS-16) being held in Geneva from 12 – 16 December 2016.

ITU Radio Regulations - <https://www.itu.int/pub/R-REG-RR-2016>

Funnies



History

New Gear

Hytera Enters the North American Amateur Radio Market

GigaParts announced today the release of five new models of amateur radios manufactured by Hytera. Highly regarded in land

mobile radio for their quality, durability and innovation, Hytera dominates the DMR and Tetra markets in the US and the rest of the world. Hytera is the largest radio manufacturer to enter the amateur radio market in North America.

With nearly 1,000 amateur repeaters already on the air in North America, DMR infrastructure is well established and is on pace to surpass D-STAR and System Fusion in 2017. DMR's growing popularity in amateur radio is due, in part, to its technical capabilities, solid reliability and compatibility across several brands. One advantage of DMR over other the other digital modes is its spectrum efficiency. By using two "time slots," DMR allows two voice transmissions to happen simultaneously on the same 12.5 kHz channel. DMR is also known for its superior audio quality and ability to maintain voice communication at the fringe of a repeater's coverage area.

For years, groups of dedicated hams have built up at least three networks of DMR repeaters primarily using decommissioned commercial repeaters and a lot of ingenuity and expertise. With no formal manufacturer or dealer support in the United States, DMR+, BrandMeister, and DMR-MARC are already serving tens of thousands of users. The entrance of Hytera and GigaParts into the amateur DMR community will bring resources to help buildout additional infrastructure and explore new features to support the unique needs of amateur radio operators.

To make this technology affordable for amateur radio operators, Hytera ham radios will be built on the same rugged and reliable platforms developed for commercial and public safety applications, with the removal of unnecessary features, like encryption, for additional savings. Prices for handheld radios will start at under \$200. All five of these new radios will transmit from 420MHz to 450MHz on either analog or digital, are built to the same quality and durability standards as their LMR counterparts, and carry a 3 year warranty.

Over the next few months, GigaParts will be soliciting feedback from hams that will be used to determine the direction of future product development and resources devoted to putting more DMR repeaters on the air. Visit www.gigaparts.com/DMR and click on the survey link to give us your opinion.

DIY



Ham Software



BUY, SELL, or SWAP

- GE EXEC TWO REPEATERS=
 - ONE IS A VHF WITH ENCODE-DECODE BOARD,HAS A T1000V CONTROL BOARD. 50 WATT UNIT.
- GE EXEC TWO REPEATER
 - ON UHF WITH ENCODE AND DECODE BAARD. HAS A T1000V CONTROL BOARD. 50 WATTS.
- Yaesu FT2800 2M mobile
- Scanners
- Yaesu 700D Duplexer 140.00

CONTACT WIL WB5YFX FOR MORE INFO.

Hamfests & Events

01/14/2017 | San Antonio Radio Fiesta
 Location: Schertz, TX
 Type: ARRL Hamfest
 Sponsor: San Antonio Radio Club
 Website: <http://w5sc.org>

01/20/2017 | North Texas Section Convention (Cowtown Hamfest)
 Location: Forest Hill, TX
 Type: ARRL Convention pending Executive Committee approval
 Sponsor: Cowtown Amateur Radio Club
 Website: <http://cowtownhamfest.com>

03/18/2017 | Swapfest
 Location: Georgetown, TX
 Type: ARRL Hamfest
 Sponsor: Williamson County Amateur Radio Club
 Website: <http://wcarc.com>

03/24/2017 | Texas State Convention (Greater Houston Hamfest)
 Location: Rosenberg, TX
 Type: ARRL Convention
 Sponsor: Brazos Valley Amateur Radio Club
 Website: <http://www.houstonhamfest.org>

08/04/2017 | South Texas Section Convention (Austin Summerfest 2017)
 Location: Austin, TX
 Type: ARRL Convention
 Sponsor: Austin ARC & Texas VHF-FM Society
 Website: <http://www.austinsummerfest.org>

NFLARC Weekly Information Net

Net meets every Wednesday night at 9:00 PM local time

- The Linked Repeaters at
 - Corsicana - 2M (145.290 + with a tone of 146.2)
 - Buffalo - 2M (147.280 + with a tone of 146.2)
 - Franklin - 2M (146.960 - with a tone of 146.2)
 - Hillsboro - 2M (146.780 - with a tone of 123.0)
 - Fairfield * 2M (145.110 * with a tone of 146.2)
 - Lindale * 2M (145.600 simplex with a tone of 146.2)
 - Mexia * 2M (145.39 - with a tone of 146.2)
 - Echolink * KD5OXM-L
- We can be Monitored via
 - <http://nflarc.org/radio.html>
 - <http://www.radioreference.com>
 - “Central Texas Amateur Repeaters”
 - “Navarro, Freestone, Limestone and Leon Counties Repeaters”

Net Control Schedule

- December
 - 07 Wil/ Jason
 - 14 Jason/Rebekah
 - 21 Rebekah/Michael
 - 28 Michael / Doug

If you would like to learn or practice being net control, contact us here <http://nflarc.org/email.html>

NFLARC Scheduled Club Meetings

Meeting & Christmas Party

December 10, 2016

NFLARC Lunch **Time:** 12:00pm - 1:00pm

NFLARC Meeting **Time:** 1:00pm - 3:00pm

Other Area Nets

- **HF**
 - 10 mtrs Tues 8:00p 28.437 + or – W5DXS net
 - 40 mtrs M-Sat 10:00-noon 1:00-2:00p Sat 10:00a-noon 7.290
 - 80 mtrs 24/7 6:30p SW Traffic Net 3.873
 - 80 mtrs 24/7 8:00p-9:00 Gulf Coast Hurricane Net 3.935
- **U/VHF**
 - **Daily-**
 - 4:00 a -an informal net on 146.580 Simplex every morning, Come and visit with the bunch!
 - **Mon-**
 - 7:00p 146.82 and Waco area 146.660 linked Temple ARC
 - 8:00p 145.150 Hotarc Bakers Dozen Training net (WX Net)
 - **Tue-**
 - 7:00p -147.180 Bosque County ARC Round Table Net
 - **7:00p BrandMeister DMR Statewide Net 3148 talkgroup - This is a Digital mode Net to participate you must use a DMR Radio on a Repeater that has BrandMeister Texas Statewide Channel Set up TG9000. All licensed radio operators are welcome to check in.**
 - 7:30p 147.180 Pink HAMster net
 - 7:30 P. M The 2-meter SSB group is using 144.200 USB on Tuesday nights.
 - 8:30p- 147.24 (97.4 tone) Slo-scan Emergency Preparedness Net
 - 9:00p- 147.140, 97.4 SlowScan-ATV Talkabout Net
 - 10:00p 147.360 PL Tone 110.9 Tarlton Area ARC
 - **Weds.**
 - **7:30 p.m. DMR-MARC DMR Texas Net - This is a Digital mode Net to participate you must use a DMR Radio on a Repeater that has Texas Statewide Channel Set up. All licensed radio operators are welcome to check in.**
 - 7:30 p.m. W5TSG Emergency Relay Net SIMPLEX . 147.550 All checkins during the 7:30 net will have an opportunity to make comments on the 8:00 p.m. net
 - 8:00 p.m. W5TSG Traffic and Training Net 147.320 with a tone of + 123
 - 8:00pm ON THE LAST WEDS. OF THE MONTH ON 145.31 TONE 123 THE W5TSG TRAFFIC AND TRAINING NET. All licensed radio operators are welcome to check in. Bud AD5SK Net Control
 - 9:00p- 146.78 Quad County net (NFLARC Linked repeaters)
 - 9:00 PM Metroplex AMSAT- Arlington ARC Repeater 147.14+, 110.9 Hz Tone
 - **Thurs.**
 - 7:00p 146.78 LWARS Training Net
 - 7:30p Texas DMR Swap net 1st Thursday of the month. This is a Digital mode Net to participate you must use a DMR Radio on a Repeater that has Texas Statewide Channel Set up. All licensed radio operators are welcome to check in.
 - 8:00p 147.14 Central Texas ARC Net (WX Net)
 - 8:00p 145.310, 123.0 Central Texas Amateur Radio Net

- DMR Tech Net
 - 0100 UTC in Summer
 - 0200 UTC in Winter months
 - North America English Talkgroup (3)
- **Sat.**
 - **Worldwide DMR-MARC Net**
 - **1600 UTC 11pm cst in Summer,**
 - **1700 UTC 12pm cst in Winter months**
 - **Worldwide Talkgroup (1)**
- **Sun.**
 - 7:30p 444.00 tone 136.5 and 145.45 tone 88.5 Johnson County ARC (Cleburne)

AREA CLUB MEETINGS

- All-Ham Breakfast
 - Every Sat.9:00am GRIFFS at China Spring Road & Wortham Bend Road in China Spring. Come join your fellow hams every Saturday morning.
- Bosque County ARC
 - 2nd Sat. 6:30pm Johnny's Café on HWY. 6 In Clifton
 - VEC team there to give a test or upgrade at 5:30 each meeting
- Central Texas ARC
 - 1st Tues. 7:00pm Belton EOC
- HOTARC
 - 4th Thurs. 7:00pm W5NCD Workshop 12772 Chapel Rd., Lorena
- Lake Whitney ARS
 - 3rd Sat. 10:00am Whitney Fire Department
- Leon County Ham Radio Club
 - 1st Tues. 7:00 p.m. at the Centerville Municipal Building, also known as the fire station. The building is located just past Lacy's Grocery Store on the right
- Temple ARC
 - 1st Thurs. 7:00pm Western Hills Church of Christ Adams & I-35, Temple
- W5TSG ARC
 - 2nd Monday 6:30pm TSGARC Clubhouse 3292 Speegleville Road, Waco
- Tarleton Area ARC
 - 1st Tuesday of each month Stephenville (also a 70cm repeater available 444.775 PL tone 88.5)
- CCARC - Cedar Creek Amateur Radio Club
 - Second Saturday of each month at the [Mabank Cafe, 301 N. 3rd. Street in Mabank.](#)
 - Their meeting room is a no-smoking area for us all morning.

CONTEST CALENDAR

December 2016	
+ NRAU 10m Activity Contest	1800Z-1900Z, Dec 1 (CW) and 1900Z-2000Z, Dec 1 (SSB) and 2000Z-2100Z, Dec 1 (FM) and 2100Z-2200Z, Dec 1 (Dig)
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 2
+ QRP Fox Hunt	0200Z-0330Z, Dec 2
+ NCCC Sprint	0230Z-0300Z, Dec 2

+ ARRL 160-Meter Contest	2200Z, Dec 2 to 1600Z, Dec 4
+ TARA RTTY Melee	0000Z-2400Z, Dec 3
+ Wake-Up! QRP Sprint	0600Z-0629Z, Dec 3 and 0630Z-0659Z, Dec 3 and 0700Z-0729Z, Dec 3 and 0730Z-0800Z, Dec 3
+ TOPS Activity Contest	1600Z, Dec 3 to 1559Z, Dec 4
+ Ten-Meter RTTY Contest	0000Z-2400Z, Dec 4
+ SARL Digital Contest	1300Z-1600Z, Dec 4
+ ARS Spartan Sprint	0200Z-0400Z, Dec 6
+ QRP Fox Hunt	0200Z-0330Z, Dec 7
+ Phone Fray	0230Z-0300Z, Dec 7
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 7 and 1900Z-2000Z, Dec 7 and 0300Z-0400Z, Dec 8
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 9
+ QRP Fox Hunt	0200Z-0330Z, Dec 9
+ NCCC Sprint	0230Z-0300Z, Dec 9
+ ARRL 10-Meter Contest	0000Z, Dec 10 to 2400Z, Dec 11
+ SKCC Weekend Sprintathon	1200Z, Dec 10 to 2400Z, Dec 11
+ International Naval Contest	1600Z, Dec 10 to 1559Z, Dec 11
+ AWA Bruce Kelley 1929 QSO Party	2300Z, Dec 10 to 2300Z, Dec 11 and 2300Z, Dec 17 to 2300Z, Dec 18
+ CQC Great Colorado Snowshoe Run	2100Z-2259Z, Dec 11
+ NAQCC CW Sprint	0130Z-0330Z, Dec 14
+ QRP Fox Hunt	0200Z-0330Z, Dec 14
+ Phone Fray	0230Z-0300Z, Dec 14
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 14 and 1900Z-2000Z, Dec 14 and 0300Z-0400Z, Dec 15
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 16
+ QRP Fox Hunt	0200Z-0330Z, Dec 16
+ NCCC Sprint	0230Z-0300Z, Dec 16
+ Russian 160-Meter Contest	2000Z, Dec 16 to 2400Z, Dec 17
+ AGB-Party Contest	2100Z-2400Z, Dec 16
+ OK DX RTTY Contest	0000Z-2400Z, Dec 17
+ RAC Winter Contest	0000Z-2359Z, Dec 17
+ Feld Hell Sprint	0000Z-2359Z, Dec 17
+ Croatian CW Contest	1400Z, Dec 17 to 1400Z, Dec 18
+ Stew Perry Topband Challenge	1500Z, Dec 17 to 1500Z, Dec 18
+ ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 18
+ Run for the Bacon QRP Contest	0200Z-0400Z, Dec 19
+ QRP Fox Hunt	0200Z-0330Z, Dec 21
+ Phone Fray	0230Z-0300Z, Dec 21
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 21 and 1900Z-2000Z, Dec 21 and 0300Z-0400Z, Dec 22
+ NAQCC CW Sprint	0130Z-0330Z, Dec 22
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 23
+ QRP Fox Hunt	0200Z-0330Z, Dec 23
+ NCCC Sprint	0230Z-0300Z, Dec 23
+ RAEM Contest	0000Z-1159Z, Dec 25
+ DARC Christmas Contest	0830Z-1059Z, Dec 26
+ SKCC Sprint	0000Z-0200Z, Dec 28

+ QRP Fox Hunt	0200Z-0330Z, Dec 28
+ Phone Fray	0230Z-0300Z, Dec 28
+ CWops Mini-CWT Test	1300Z-1400Z, Dec 28 and 1900Z-2000Z, Dec 28 and 0300Z-0400Z, Dec 29
+ NCCC RTTY Sprint	0145Z-0215Z, Dec 30
+ QRP Fox Hunt	0200Z-0330Z, Dec 30
+ NCCC Sprint	0230Z-0300Z, Dec 30

DX News



SOTA

Antarctica Expedition

German Amateur Radio Operator Felix Riess DK5XL is currently actively operating from Antarctica using the callsign DP1POL.

Felix is operating from Neumayer III, a German research base located in grid reference IB59UH, IOTA AN-016, WWFF DLFF-022

Active until February 2017, Felix will be operational on the HF bands, mainly operating using CW and Digital Modes. QSL's will be handled by Ray, DL1ZBO who will respond to all bureau and direct requests,

Facebook -

https://www.facebook.com/dl5xl?hc_ref=NEWSFEED

Amateur Satellite



Students FM transponder Satellite Launched

CAS-2T a technical verification satellite for CAMSAT CAS-2 series amateur radio satellite launched at 23:42 UT 9 November 2016 on a CZ-11 rocket

The 2U CubeSat, developed by students from Fengtai District, Xicheng and Haidian District secondary schools, carries a ham radio 145/435 MHz FM transponder. CAS-2T will not be separated from the final stage of rocket, so the orbital life may be 10 to 30 days before the final stage of the rocket re-enters the atmosphere.

Amateur radio payloads:

CW Telemetry Beacon : 435.710 MHz
 FM Transponder Uplink : 145.925 MHz
 FM Transponder Downlink : 435.615 MHz

Launch vehicle: CZ-11(Y2) solid rocket
 Launch time: 23:42, 9-Nov-2016
 Epoch time: +620.615 seconds
 Inclination degree: 97.400985 degrees
 RA of node degree:
 Eccentricity: 1.77E-4
 Perigee degree: 328.206969 degrees
 Mean anomaly degree: 198.226766 degrees
 Period: 5685.564 seconds
 Speed: 7607.496391 m/s
 Longitude: 93.693693E
 Latitude: 13.531945N

News report (in Chinese) -

<https://www.chinaspaceflight.com/satellite/fengtai-shaonian-01.html>

Mike Rupprecht DK3WN – CAS-2T seems to be Object 2016-66E - <http://www.dk3wn.info/?p=75971>

'Keps' for new satellites launched in past 30 days - <http://celestrak.com/NORAD/elements/tle-new.txt>

SO-50 Suffers 2m Interference

Amateur Radio satellite, SO-50, operating over North America, has suffered communication issues due to a terrestrial station operating on 145.850 Mhz, the same as the uplink frequency for SO-50.

The interfering station appears to be located in South-Eastern United States

As per US Band Plan, the segment between 145.800 - 146.00 MHZ is allocated for amateur satellite communication. Interference to satellites can be caused by simplex communications, repeater links, or Echolink/IRLP nodes

White House Pushes for more Tiny Satellites

NASA and other agencies are giving microsattellites the resources they need to thrive.

Being less expensive and easier to deploy than the giant satellites of old, and housing advantaged technology to increase coverage, government agencies, led by NASA have launched an initiative to provide more resources to increase the number of launches.

NASA providing up to \$30 million toward purchasing data collected by satellite groups, along with creating a Small Spacecraft Virtual Institute that will offer know-how to organizations.

Other projects see the National Geospatial-Intelligence Agency awarding Planet a \$20 million contract for a fleet of small satellites that can capture images of "at least" 85 percent of the planet every 15 days.

More inforamtion -

<https://www.engadget.com/2016/10/22/white-house-small-satellite-initiative/>

Digital Radio News



QSL Card

Web LINKS



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



<http://qrznow.com/>



<http://new.dxsummit.fi/#/>



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



<http://www.repeaterbook.com>



<http://www.southgatearc.org/index.htm>



<http://www.hornucopia.com/contestcal/index.html>



<http://icqpodcast.com/>



WIA - <http://www.wia.org.au/>

South African Radio League (SARL) - <http://www.sarl.org.za/>



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

<http://www.livefromthehamshack.tv/>



<http://www.n3fjp.com>

The Spectrum Monitor



Online magazine

<http://www.thespectrummonitor.com/index.aspx>



<http://www.lidomounts.com>

DMR Blog

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



SILENT KEYS



FYI

- NFLARC Club Dues are due every May

Ham Radio Glossary

X

X -- In electrical equations, this letter stands for "Reactance."

2015-2016 Officers

President: Doug S - KE5CDK

Vice President: Rodger W - W5UOK

Secretary: Rebekah M - K5RCM

Treasurer: James S - KD5OXM

Director (1yr): Mary S - KE5FGU

Director (2yr): Kevin M - KW5MOS

Director (3yr): Michael B - KF5KHS

Field Day Committee:

Testing Committee: Rebekah M - K5RCM

VE Team Rebekah M - K5RCM

Michael B - KF5KHS

Kevin M - KW5MOS

Mary S - KE5FGU

Doug S - KE5CDK

Wil G - WB5YFX

Bud G - AD5SK

And more...?

Public Relations Chairman Rebekah M - K5RCM

Activities Chairman Rebekah M - K5RCM

Ragchew Editor Doug S - KE5CDK

Address Book

- Staff@nflarc.org - Is sent to pres, vp, sec, tres, & board
- members@nflarc.org - Is sent to all members on the mailing list
- vec@nflarc.org - Is sent to our VEC's
- ve@nflarc.org - Is sent to the VE team
- ares@nflarc.org - Is sent to pres, vp, sec, tres,
- fd@nflarc.org - Is sent to pres, vp, sec, tres,
- ragchew@nflarc.org - is sent to the newsletter editor

If you have Questions, Comments, Links, Submissions, Corrections, Etc.

Send them to ragchew@nflarc.org

To subscribe to the newsletter, send a message to:

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73 DE W5NFL