



The Ragchew W5NFL Newsletter



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



The Linked Repeaters at

- Corsicana - 2M (145.290 + with a tone of 146.2)
- Corsicana - 440 (442.925 - 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>
 - Look for
 - "Central Texas Amateur Repeaters"
 - or
 - Navarro, Freestone, Limestone and Leon Counties Repeaters"

License Training Class / Testing

TBA

Local News & Events

Here comes the sun...



Sunrise at the clubhouse



3 am wake up alarm?
NFLARC

<https://youtu.be/k1pWRfzOIMg>

Early morning QRM/N on Crocket repeater?

DFW Area DMR Repeater Timeslot & Talkgroup Assignments

Written by [jape](#) on March 31, 2016 ·

With the expansion of more and more DMR Repeaters in the Dallas / Ft. Worth area, as well as Texas and in the USA, I decided to write an article that details all the DMR Repeater Timeslot & Talkgroup Assignments for all the repeaters in the DFW area.

Also, there is a list of all DMR repeaters in Texas that I maintain, that only lists locations, frequencies, callsigns and color codes.

[You can find that list at this link.](#) I also keep it updated in real-time, as best I can.

Any questions or updates to this list can be sent to [kc5hwb AT grapevinehamradio DOT com](mailto:kc5hwb@ATgrapevinehamradio.DOT.com)

- **Anna, Texas – 440.525MHz, CC1**

Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	Worldwide	1	Yes
1	North America	3	Yes

Timeslot	Talkgroup Name	Talkgroup ID	PTT?
2	Texas Statewide	3148	No
2	DFW Metro	2	No
• Aubrey, Texas – 443.450MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	DFW Metro	2	No
2	Texas Statewide	3148	No
• Colleyville, Texas – 443.2625MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	Local 1	3181	No
1	DFW Metro	2	No
1	TRBO6 Comm1	3777215	No
1	Wisconsin Statewide	3155	Yes
1	Illinois Statewide	3117	Yes
1	UA English 1	113	Yes
1	California Statewide	3106	Yes
1	Massachusetts Statewide	3125	Yes
1	Michigan Statewide	3126	Yes
1	Minnesota Statewide	3127	Yes
1	Ohio Statewide	3139	Yes
1	Tennessee Statewide	3147	Yes
1	Texas Statewide	3148	No
1	Washington Statewide	3153	Yes
1	Allstar Link	3167	Yes
1	Northeast Regional	3172	Yes
1	Southeast Regional	3174	Yes
1	Southwest Regional	3176	Yes
1	Mountain Regional	3177	Yes
1	South Plains Regional	3175	No
1	Echolink/IRLP Link	63951	Yes
2	Local 2	3166	No
2	TRBO6 Comm2	3777216	No
2	TAC1	8951	Yes
2	TAC310	310	Yes
2	TAC311	311	Yes
2	DCI Bridge	3100	Yes
2	Parrot	9998	Yes
2	Audio Test	9999	Yes
2	Midwest Regional	3169	No
2	North America	3	Yes
2	Worldwide English	12	Yes
2	Worldwide	1	Yes
2	UA English 2	123	Yes
2	USA	1776	Yes

- **Dallas1, Texas – 440.6375MHz, CC1**

Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	DFW Metro	2	No
2	Texas Statewide	3148	No

- **Dallas2, Texas – 442.5MHz, CC1**

Timeslot	Talkgroup Name	Talkgroup ID	PTT?

Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	North America	3	No
1	Worldwide	1	Yes
2	Cactus (TX/AZ/CA)	3185	No
• Denton, Texas – 440.6625MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
2	DFW Metro	2	No
2	Texas Statewide	3148	No
• Denton, Texas – 927.6625MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
2	DFW Metro	2	No
2	Texas Statewide	3148	No
• Ft Worth, Texas – 441.625MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	DFW Metro	2	No
1	North America	3	Yes
1	Worldwide English	13	Yes
1	Worldwide	1	Yes
2	Texas Statewide	3148	No
2	DCI Bridge	3100	Yes
• Saginaw, Texas – 441.975MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	Local Repeater	2	No
1	Tarrant County Metro	10	No
1	Texas Statewide	3148	No
2	DFW Metro	2	No
2	Cactus (TX/AZ/CA)	3185	No
2	South Plains Regional	3175	Yes
• Southlake, Texas – 440.500MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
1	DFW Metro	2	No
1	North America	3	Yes
1	Worldwide	1	Yes
1	TAC310	310	Yes
1	Local Repeater	9	No
2	Texas Statewide	3148	No
2	South Plains Regional	3175	Yes
2	TAC311	311	Yes
2	DCI Bridge	3100	Yes
• Venus, Texas – 441.725MHz, CC1			
Timeslot	Talkgroup Name	Talkgroup ID	PTT?
2	DFW Metro	2	No
2	Texas Statewide	3148	No
2	South Plains Regional	3175	No
2	Cactus (TX/AZ/CA)	3185	No
1	TAC310	310	Yes
1	DCI Bridge	3100	Yes
1	North America	3	No
1	Worldwide	1	Yes

NFLARC Weather Nets



NFLARC Weather Net Frequencies:

- Corsicana - 2M (145.290 + with a tone of 146.2)
- Corsicana - 440 (442.925 + 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)
- Simplex Frequency - 146.500 MHz
- Echolink - KD5OXM-L

ARES Net



Limestone ARES Group

ARES group for Limestone Co.

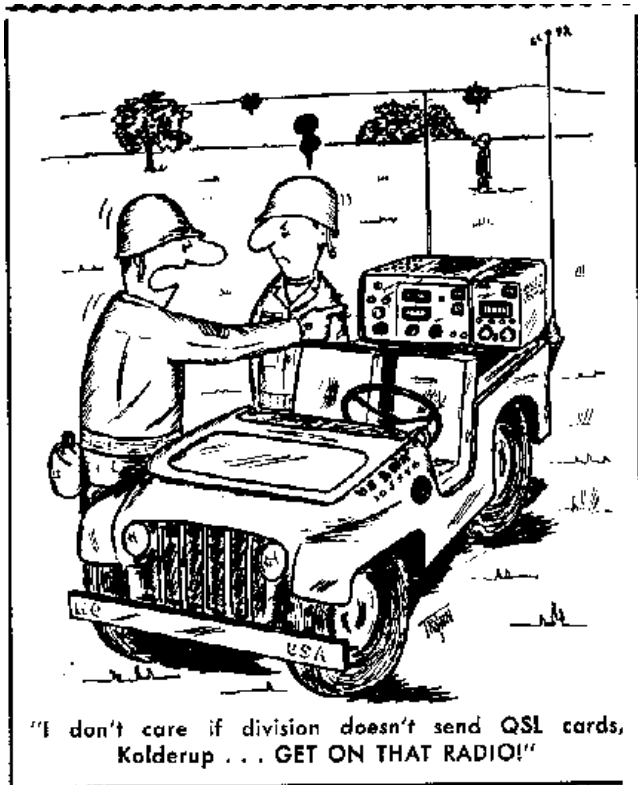
List their Coms plan as follows:

- Repeaters
 - Mexia Repeater 145.39 – Primary
 - Corsicana Repeater 145.29 – 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

History



New Gear



Announcing the Tytera MD-9600 DMR Digital Mobile Radio!

Tytera shook the world of digital radio in 2015 with the introduction of the MD-380, a portable handheld capable of both DMR and analog operation at an analog radio price.

Digital radios were outrageously expensive, and were priced out of the hands of many.

Then the MD-380 came along. It changed everything. For the first time, DMR was truly available to the masses, so to speak. Amateur radio operators on a Baofeng budget could experiment within the digital realm without spending hundreds of dollars on digital equipment, and because the UHF version was Part 90 type accepted for commercial use, small businesses could afford to keep up with their competitors and migrate to digital without the exorbitant cost. The MD-380 was a game changer, and turned Tytera into a respected brand in the DMR marketplace almost overnight.

Now they are about to do it again. Get ready for the Tytera MD-9600 Digital Mobile Radio!

Yes, that's right, the long-awaited announcement is here. Tytera has introduced a new mobile two way radio capable of operation in both digital and analog modes.

According to Tytera, the MD-9600 operates on 400-480MHz frequencies at up to 45 watts (UHF model) or 136-174MHz VHF at up to 50 watts (VHF model). As a DMR radio, It uses Time Division Multiple Access (TDMA) technology and is compatible with MotoTRBO Tier I and II.

The MD 9600 boasts 1000 channels and 250 zones with 16 channels for each zone. Features include Private Call, Group Call, All Call, a lone worker mode, ANI function, encryption, short text messages, CTCSS/DCS encode and decode, power save mode, low power alarm, an emergency alarm and VOX capability. The console features a color LCD display and four programmable function keys. The hand mic also has four programmable keys, in addition to the two built-in LEDs and full DTMF keypad.

The MD-9600 is also quite versatile. it's not only PC programmable, it's firmware upgradeable as well, a flexibility most other portable and mobile transceivers lack.

The expected release date is sometime in May 2016. No price point has yet been set or announced. For more specs, download the [Tytera MD-9600 product sheet](#).

TYT MD-9600

Frequency Range:

VHF model: 136-174 MHz

UHF model: 400-480 MHz

PLL Channel Spacing: 6.25/25/12.5/25KHz

RF Power Output:

VHF 25/50W

UHF 25/45W

- Analog and digital combined
- Single call, group call and all call
- ANI function
- Encryption function
- Remote kill/stun and activate
- Short text message function
- Call log check and edit function
- Short text message check and edit function
- Contacts check and edit function
- PC programmable function
- CTCSS/DCS encoding and decoding function
- PC password protection function
- Draft message edit function
- 250 zones, 16 channels for each zone
- 1000 channels
- Color LCD display
- Programmable functional keys
- Voice prompt
- Low voltage prompt
- Upgradeable by firmware
- Battery saving function
- TOT
- Emergency alert SQL setting
- Scanning function and priority scanning
- Monitor function
- VOX transmitting
- Lone worker
- Time and zone setting

- Added Application Program Interface (API) functionality (Settings > Application Program Interface).

- Added CW PTT to key linear amplifiers (Settings > Transmit > CW).

- Added ability to temporarily disable band and mode updates from rig interface (press Ctrl + Shift + R).

- Added Audio alert of unworked or unconfirmed DX Spots, who are LoTW users in AC Log (press CTRL + Shift + L). Remember, to use this feature, please first set up the ID of LoTW users from AC Log's LoTW form.

- Modified contesting software Cabrillo file address label tags, in conformance with the latest Cabrillo specifications.

By far, the greatest emphasis (and largest amount of work) of this release has been the addition of the Application Program Interface (API) functionality. I often receive requests from folks who would like to interface their digital or logging programs with my logging software. To accommodate those requests, I have added easily implemented API functionality, to enable any other program to do just that!

This API provides a way for other programs to connect with my software, write data to N3FJP Software text boxes, read data from text boxes and call functions like Enter, Dupe check, etc. Now it is up to either the authors of those programs to write code to connect to my software directly, or for anyone to code the necessary bridge to complete the interface.

All the API related work I've done so far won't be evident until other software developers add this API in their software, so that they can connect to N3FJP Software. If you have a program that you would like to see interfaced with my software, please contact the developer now and refer them to this page!

<http://www.n3fjp.com/help/api.html>

Ham Software



Hi All,

Amateur Contact Log 5.4 and upgrades for all the contesting software (except for the state QSO party programs - I still have those to finish) are now on the web site! As always, these upgrades are free to registered users!

Enhancements include:

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.

CONTACT WIL WB5YFX FOR MORE INFO.

Hamfests & Events

04/16/2016 | HamEXPO
 Location: Belton, TX
 Type: ARRL Hamfest
 Sponsor: Temple Amateur Radio Club
 Website: <http://tarc.org/hamexpo/>

08/05/2016 | Texas State Convention (Austin Summerfest 2016)
 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)
 - Corsicana - 440 (442.925 - with a tone of 146.2)
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 - Echolink * KD5OXM-L
- We can be Monitored via
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 - <http://www.radioreference.com>
 - “Central Texas Amateur Repeaters”
 - “Navarro, Freestone, Limestone and Leon Counties Repeaters”

Net Control Schedule

- March
 - 02 Michael / Doug
 - 09 Rebekah / Wil
 - 16 Bud / Wil
 - 23 Michael / Doug
 - 30 Jason / Wil
- April

- 06 Wil / Rebekah
- 13 Michael / Doug
- 20 Jason / Wil
- 27 Wil / Bud

- May
 - 04 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

April 9, 2016

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

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

May 1, 2016

NFLARC Dues **Time:** Untimed event

May 14, 2016

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

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

June 11, 2016

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

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

July 9, 2016

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

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

August 13, 2016

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

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

September 10, 2016

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

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

October 8, 2016

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

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

November 12, 2016

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

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

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
 - 7:30p 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 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
 - 8:00p 147.14 Central Texas ARC Net (WX Net)
 - 8:00p 145.310, 123.0 Central Texas Amateur Radio Net
 - **Sun.**
 - 7:30p 444.00 tone 136.5 and 145.45 tone 88.5 Johnson County ARC (Cleburne)

- **HOTARC**
 - 1st Tues. 7:00pm Belton EOC
 - 4th Thurs. 7:00pm W5NCD Workshop 12772 Chapel Rd., Lorena
- **Lake Whitney ARS**
 - 3rd Sat. 10:00am Whitney Fire Department
- **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
- **Tarlton 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

April 2016

± LZ Open 40m Sprint Contest	0400Z-0800Z, Apr 2
± SP DX Contest	1500Z, Apr 2 to 1500Z, Apr 3
± SARL 80m QSO Party	1700Z-2000Z, Apr 7
± JIDX CW Contest	0700Z, Apr 9 to 1300Z, Apr 10
± SKCC Weekend Sprintathon	1200Z, Apr 9 to 2359Z, Apr 10
± Georgia QSO Party	1800Z, Apr 9 to 2359Z, Apr 10
± Hungarian Straight Key Contest	1500Z-1700Z, Apr 10
± Holyland DX Contest	2100Z, Apr 15 to 2100Z, Apr 16
± TARA Skirmish Digital Prefix Contest	0000Z-2359Z, Apr 16
± ES Open HF Championship	0500Z-0859Z, Apr 16
± CQ Manchester Mineira DX Contest	1200Z, Apr 16 to 2359Z, Apr 17
± Michigan QSO Party	1600Z, Apr 16 to 0400Z, Apr 17
± Ontario QSO Party	1800Z, Apr 16 to 1800Z, Apr 17
± YU DX Contest	2100Z, Apr 16 to 1700Z, Apr 17
± Run for the Bacon QRP Contest	0100Z-0300Z, Apr 18
± 10-10 Int. Spring Contest, Digital	0001Z, Apr 23 to 2359Z, Apr 24
± SP DX RTTY Contest	1200Z, Apr 23 to 1200Z, Apr 24
± Helvetia Contest	1300Z, Apr 23 to 1259Z, Apr 24
± SKCC Sprint	0000Z-0200Z, Apr 27
± Florida QSO Party	1600Z, Apr 30 to 2159Z, May 1

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

DX News**V85/OE9SBD Brunei**

Bernhard, OE9SBD will be active from Brunei 18 - 22 April 2016 as V85/OE9SBD.

FT4JA Juan de Nova Island

2016-04-01 20:33:11

FT4JA Juan de Nova - F5UFX, F5CWU, F4BKV, F4FET, F6BEE, F1NGP, F2DX, F5PTM, F4HAU, EA3NT will be active from Juan de Nova Island (IOTA AF-012) 29 March - 11 April 2016 as FT4JA.

8Q7NT Embudu Island Maldives

Ben, DL1RNT will be active again from Embudu Island, Maldives (IOTA AS-013) 5 - 17 April 2016 as 8Q7NT.

3V8SM Djerba Island

3V8SM. Ash 3V/KF5EYY, Ali 3V8SM, Ali 3V/F4HJD and Ahmed 3V8CB will be active from Djerba Island (IOTA AF-083) 1 - 3 April 2016 as 3V8SM.

TK9C Corsica

TK9C. IK2AHB, IW2MZX, IW2NAP, IW5ELA, IZ2AJE, IZ2GMT will be active from Corsica Island (IOTA EU - 014) 22 - 25 April 2016 as TK9C.

VP5/KA3CNC Turks and Caicos Islands

VP5/KA3CNC. Joe, KA3CNC will be active again from Turks and Caicos Islands 16 - 24 April 2016 as VP5/KA3CNC.

Amateur Satellite**School SSTV CubeSat to Deploy from ISS**

A Slow Scan TV (SSTV) CubeSat developed by students at Saint Thomas More Cathedral School (STM) in Arlington, Virginia, was deployed from the International Space Station on March 7 between 8-10am EST

STM is thought to be the first Elementary school to build their own satellite, which included Pre-Kindergarten, Kindergarten, and First Grade students in the project.

The satellite, called STMSat-1, will transmit an SSTV signal on 437.800 MHz.

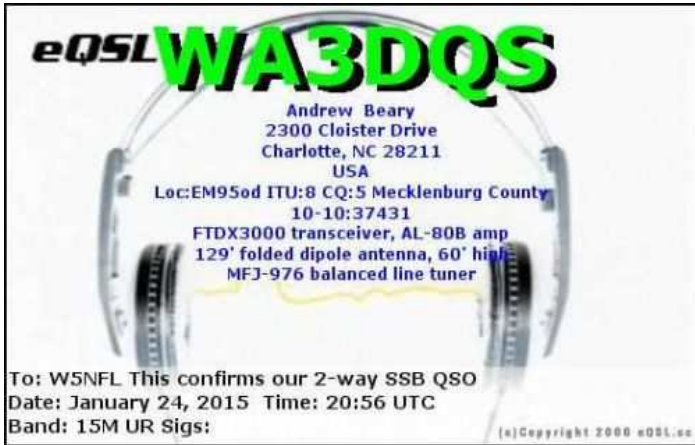
How Did 400 Grade School Students Built A Nano-Satellite? - <http://jewelbots.tumblr.com/post/134465599599/how-did-400-grade-school-students-built-a>

STMSat-1 - <http://www.stmsat-1.org/>

STMSat-1 Twitter - <https://twitter.com/STMSAT11>

STMSat-1 Facebook - <https://www.facebook.com/stmsat1/>

QSL Card



eQSL WA3DQS
 Andrew Beary
 2300 Cloister Drive
 Charlotte, NC 28211
 USA
 Loc:EM95od ITU:8 CQ:5 Mecklenburg County
 10-10:37431
 FTDX3000 transceiver, AL-80B amp
 129' folded dipole antenna, 60' high
 MFJ-976 balanced line tuner

To: W5NFL This confirms our 2-way SSB QSO
 Date: January 24, 2015 Time: 20:56 UTC
 Band: 15M UR Sigs:

(s)Copyright 2000 eQSL.ca



SANTIAGO · CHILE · CQ 12 · ITU 14
CE3PCG

CHILEAN PACIFIC DX GROUP
<http://www.cpdxg.cl> · contacto@cpdxg.cl

CPDXG

To: W5NFL This confirms our 2-way SSB QSO
 Date: July 13, 2013 Time: 16:31 UTC
 Band: 10M UR Sigs: 59

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>

SILENT KEYS



FYI

- NFLARC Club Dues are due every May

Ham Radio Glossary

P

Packet radio -- A system of digital communication whereby information is broken into short bursts. The bursts ("packets") also contain addressing and error-detection information.

Parallel circuit -- An electrical circuit in which the electrons follow more than one path in going from the negative supply terminal to the positive terminal.

Parasitic beam antenna -- Another name for the beam antenna.

Parasitic element -- Part of a directive antenna that derives energy from mutual coupling with the driven element. Parasitic elements are not connected directly to the feed line.

Peak envelope power (PEP) -- The average power of a signal at its largest amplitude peak.

Pecuniary -- Payment of any type, whether money or other goods. Amateurs may not operate their stations in return for any type of payment.

Phone -- Another name for voice communications.

Phone emission -- The FCC name for voice or other sound transmissions.

Phonetic alphabet -- Standard words used on voice modes to make it easier to understand letters of the alphabet, such as those in call signs. The call sign KA6LMN stated phonetically is Kilo Alfa Six Lima Mike November.

Pico -- The metric prefix for 10⁻¹², or divide by 1,000,000,000,000. PL (see CTCSS)

PNP transistor -- A transistor that has a layer of N-type semiconductor material sandwiched between layers of P-type semiconductor material.

Polarization -- The electrical-field characteristic of a radio wave. An antenna that is parallel to the surface of the earth, such as a dipole, produces horizontally polarized waves. One that is perpendicular to the earth's surface, such as a

quarter-wave vertical, produces vertically polarized waves. An antenna that has both horizontal and vertical polarization is said to be circularly polarized.

Portable device -- A radio transmitting device designed to have a transmitting antenna that is generally within 20 centimeters of a human body.

Potentiometer -- Another name for a variable resistor. The value of a potentiometer can be changed over a range of values without removing it from a circuit.

Power -- The rate of energy consumption. We calculate power in an electrical circuit by multiplying the voltage applied to the circuit times the current through the circuit ($P = IE$).

Power supply -- A circuit that provides a direct-current output at some desired voltage from an ac input voltage.

Priority traffic -- Emergency-related messages, but not as important as Emergency traffic.

Procedural signal (prosign) -- One or two letters sent as a single character. Amateurs use prosigns in CW contacts as a short way to indicate the operator's intention. Some examples are K for "Go Ahead," or AR for "End of Message." (The bar over the letters indicates that we send the prosign as one character.)

Product detector -- A device that allows a receiver to process CW and SSB signals. Propagation -- The study of how radio waves travel.

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

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