



FANNIN COUNTY AMATEUR RADIO CLUB

PRESIDENT Mike Durbin, K5MJD
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TREASURER Bill Purcell, KF5GJY
TRUSTEE Mike Durbin, K5MJD



FANHAMNEWS

Volume 1 Issue 2 - March 2017

REPEATER CLASS

FEBRUARY MEETING

Several items were discussed including the Emergency Preparedness Exercise, the "Radio in the Park" upcoming event, the upcoming Air Race, the CERT truck, K5FRC repeaters, and the 2017 June field day that is scheduled for the last Saturday of June (24th & 25th) of this year.

The need to review liability coverage was also mentioned.

It was also noted that Marvin Arnold (K5MRA) is in the hospital with a heart problem; his wife, Charlotte (KC5TA) is in a nursing home with Alzheimer's disease. Both are former members of the club.

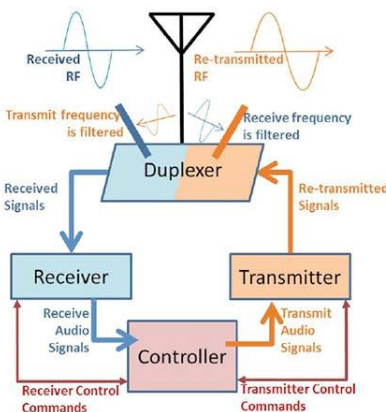
POPULAR Q SIGNALS

- QRM – man-made interference
- QRN – natural interference
- QRT – stop sending
- QRU – have you anything for me?
- QRV – I am ready
- QSL – I acknowledge receipt
- QSM – repeat last message
- QSN – I heard you
- QSO – a conversation
- QST – general call to all stations
- QSY – change frequency to

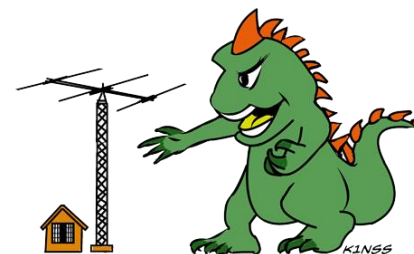


Mike, K5MJD gives a class on repeaters to Chris KE5IC1, Robin KE5DQM, Mike KE5REJ, Mark KF5KUW and Rich W5ZXG. K5MJD is looking for help to maintain the repeaters especially while he is away from home.

Here is a simplified functional block diagram of a repeater station.



There will be more technical information about K5FRC repeaters in future articles.



K5FRC REPEATERS

147.200 (100Hz tone; +600Khz offset) analog only; WIRES 21173

145.470 (100Hz tone; -600Khz offset) C4FM or Analog; IRLP 3602; ECHOLINK 143903; WIRES 21151; Tuesday Night Net 9:00 PM

442.525 (100HZ TONE; +5.0 Mhz offset) C4FM or Analog; WIRES 21174 ???

443.750 (100Hz tone; +5.0Mhz offset) C4FM or Analog; WIRES 21174 ???

FCARC meets every third Saturday at 9:00 AM at the Bonham First Presbyterian Church (corner of Center and 7th St.).

Networks are held every Tuesday at 9:00 PM CDT on the 145.470 Mhz repeater.

Facebook: www.facebook.com/K5FRC/
Mark, KF5KUW is the administrator.

Website: www.k5frc.org

FIND NEWS ON ARRL.ORG

ADD 6 HOURS TO CDT TO GET UTC

ANTENNA LENGTH CALCULATIONS

Need to calculate antenna length? Try this website:

<https://www.easycalculation.com/physics/electromagnetism/antenna-wavelength.php>

NEXT ISSUE: "What are ECHOLINK and WIRES?"

FanHamNews is published monthly by W5ZXG and is emailed to all who give Rich their e-mail address. It is also posted on the K5FRC Facebook page. Contact Rich at risummers@reagan.com or 214-738-9975 (text okay) for more information.

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FEATURED MEMBER, K5MJD



Mike at his station



Mike's Ham Shack



Mike's Antenna Farm

K5MJD (Mike) has been a "Ham" since 1958. Formerly WA5TKC, he now has an extra class vanity license (Michael J Durbin) and is president and trustee for K5FRC. Mike is an electrical engineer. Activities include working with oceanography companies, horses, farming, boating, repairing pin-ball and other game machines, hamming and playing with his grandchildren. He is active on most ham bands including satellite tracking. Most anything you want to know about amateur radio is available from Mike (if you need something, you might check with Mike).

Phonetic Alphabet

I India	IN DEE AH
J Juliet	JEW LEE ETT
K Kilo	KEY LOH
L Lima	LEE MAH
M Mike	MIKE
N November	NO VEM BER
O Oscar	OSS CAH
P Papa	PAH PAH
Q Quebec	KEH BECK
R Romeo	ROW ME OH
S Sierra	SEE AIR RAH
T Tango	TANG GO
U Uniform	YOU NEE FORM
V Victor	VIK TAH
W Whiskey	WISS KEY
X X-ray	ECKS RAY
Y Yankee	YANG KEY
Z Zulu	ZOO LOO

NUMBER CODE

WORD PRONUNCIATION

0 Zero	ZE RO
1 One	WUN
2 Two	TOO
3 Three	TREE
4 Four	FOW ER
5 Five	FIFE
6 Six	SIX
7 Seven	SEV EN
8 Eight	AIT
9 Nine	NIN ER

A ham operator says "let's QSY up 100 kilohertz." The other station responds with "QSL." What just took place?

Where did the term "ham operator" originate?

The use first appeared in the United States during the opening decade of the 20th century—for example, in 1909, Robert A. Morton reported overhearing an amateur radio transmission which included the comment: "Say, do you know the fellow who is putting up a new station out your way? I think he is a ham." However, the term did not gain

AIR RACE

Ham operators will be needed for the Air Race to be held on April 22nd. The race will start at Bonham Jones Field and proceed to Durant Airport, Madill, OK Airport, Burneyville, OK Falconhead Airpark, Gainesville, TX Airport and finish at Cedar Mills Marina Airport. Get more information on Facebook and at club meetings as the time gets nearer.

TECHNICIAN COURSE

KF5KUW (Mark) has enrolled 8 students so far for a Tech Course to begin on April 8. Contact Mark if you would like to help teach the class. Let's get more students to enroll.

EMERGENCY PREPAREDNESS

An Emergency Preparedness Fair was held at the Church of Jesus Christ of Latter-day Saints in Bonham. A hands-on amateur radio experience was had by many. Several people enrolled to participate in an upcoming Technician course. The new CERT truck was also on display.

RADIO IN THE PARK

The Club will be hosting a "Radio in the Park" event at Bonham State Park sometime in the near future.

The forward power is 50 watts and the reverse power is 4 watts. What is the VSWR?

Check your
with the
calculator at

$$VSWR = \frac{1 + \sqrt{\frac{P_{rev}}{P_{fwd}}}}{1 - \sqrt{\frac{P_{rev}}{P_{fwd}}}}$$

answer

Where P_{rev} = reverse power
 P_{fwd} = forward power

<http://rfcalculator.mobi/vswr-forward-reverse-power.html>

