

FANNIN COUNTY AMATEUR RADIO CLUB



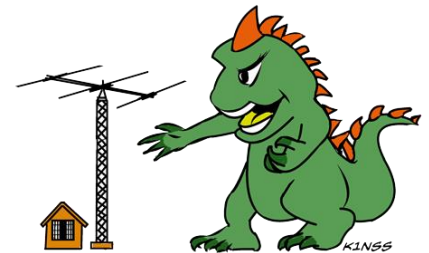
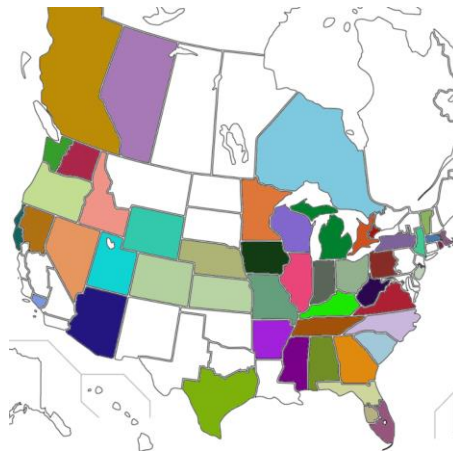
PRESIDENT Brian Heise, N0FOI
VICE PRESIDENT Mark Hetherington, KF5KUW
SECRETARY Michael Warren, KA5REJ
TREASURER Sharon McEachern, KF5FHN
TRUSTEE Mike Durbin, K5MJD

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

WINTER FIELD DAY RESULTS FROM THE LAKE GROUP

Score Statistics	
Total CW Contacts	0
Total Phone Contacts	131
Total DIG Contacts	0
Total Multipliers	4
Total Score	524



K5FRC REPEATERS

145.470 (100Hz tone; -600Khz offset)
C4FM or Analog; IRLP 3602;
ECHOLINK 143903

442.525 (100HZ TONE; +5.0 Mhz offset)

C4FM or Analog; LINKED TO 145.47

443.750 (100Hz tone; +5.0Mhz offset)

C4FM or Analog;

FCARC meets every third Saturday at 9:00 AM at the Bonham BOIS D' ARC Cowboy Church 3301 TX-121
 Nets are held every Tuesday at 8:00 PM CDT on the 145.470 Mhz repeater.

Facebook: www.facebook.com/K5FRC/

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 IRLP"

FEATURED MEMBER, K5MJD



Mike at his station



Mike's Ham Shack
Mike's Antenna Farm



K5MJD (Mike) has been a "Ham" since 1956. Formerly WA5TKC, KN3UAK, WB6BJI, DU1BSP, ET3USF, HC8PW, etc., 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 in www.k5frc.com (see the Feb 2012 FCC ARRL Newsletter for more details). If you need something, you might check with Mike).

Phonetic Alphabet

A Alfa	AL FA
B Bravo	BRA VO
C Charly	CHAR LEE
D Delta	DELL TA
E Echo	ECH O
F Foxtrot	FOX TROT
G Golf	GOLF
H Hotel	HO TELL
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

EXTRA CLASS COURSE

K5MJD (MIKE) has set up an Extra call course to be held via ZOOM starting Monday evening at 18:30. Contact Mike if you would like to join the class. Let's get more students to enroll.

TRY THIS FOR FUN

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

Check your answer with the calculator at <http://rfcalculator.mobi/vswr-forward-reverse-power.html>

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

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

MORE FUN

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 widespread usage in the United States until around 1920, after which it slowly spread to other English-speaking countries. From *Wikipedia.org*.

K5FRC December 2020 Monthly Minutes

The K5FRC Fannin County Amateur Radio Club monthly meeting was held at the Bois D' Arc Creek Cowboy Church on December 12, 2020.

President Mark Hetherington (KF5KUW) called the meeting to order at 9:07. Mark led the club in the Pledge of Allegiance while Bill Purcell (KF5GJY) said the prayer.

Those Present were: Mark Hetherington	KF5KUW
Wil House	KM5U
Mike Lindsey	KD5UNY
Jody Lindsey	KE5GIB
Jim Thomas	N5OMD
Kat McEachern	KI5FHO
Sharon McEachern	KI5FHN
Christian McEachern	KI5HGV
Bill Purcell	KF5GJY
Mike Durbin	K5MJD
Mike Warren	KE5REJ
Jerry Huffman	K3EMC
Joel Binford	W5MOY
Ralf Borgardt	KI5LVS
James Hunt	KI5DQ

President Mark Hetherington stated as we've come to the end of the year, we need to elect new officers. With all of the struggles we've faced this year, the club has been able to continue; zoom has been great. Mark thanked everyone for their support throughout the year. He and trustee Mike Durbin (K5MJD), have been working with the county's new Emergency Communication Officer to set up a radio for the county. We have a great coverage from all of our repeaters. HAMS outside of our county are commenting on how great our coverage is.

Vice-President, Wil House (KM5U), confirmed the named individuals that are running for club office.

President - Brian Heise
Vice-President - Mark Hetherington
Treasurer - Sharon McEachern
Secretary - Michael Warren

Bill Purcell (KF5GJY), withdrew James Hunt's (KI5DQ) nomination for president due to Jame's work load.

Mike Durbin moved we accept the list of officer nominees, and Jody Lindsey (KE5GIB) seconded the motion. The motion passed.

Secretary, Kat McEachern (KI5FHO), asked if everyone had a chance to read the minutes. Mike Durbin moved we accept the minutes. Jim Thomas (N5OMD) seconded the motion. The minutes were approved.

Treasurer, Sharon McEachern (KI5FHN), stated the club has a balance of \$223.65 in our savings account and a balance of \$1113.78 in checking. She also has the receipt book for those who need to pay their yearly dues.

Trustee, Mike Durbin, stated everything is working well although we do need another laptop. Bill Purcell may have one, as well as, Jim Thomas.

Mark Hetherington stated Winter Field Day is January 30-31, 2021. We have the Lake Bonham Pavilion reserved.

Officer Elections - Will House stated we need a motion to accept the slate of nominees for the 2021 club officer positions. Mike Lindsey (KD5UNY) moved that we accept those nominated and Jody Lindsey seconded the motion. The club voted and the motion passed.

The new club officers are:

President - Brian Heise
Vice-President - Mark Hetherington
Treasurer - Sharon McEachern
Secretary - Michael Warren

Bill Purcell moved that we adjourn. Christian McEachern (KI5HGV) seconded the motion. The meeting adjourned at 9:41 a.m.