



Majors Field Amateur Radio Club

Membership Meeting

MARCH 14, 2024

Agenda

- Officers for 2024
- Officer Reports
- Calendar of Events & Announcements
- New/Old Business
- Program
- Adjournment



Current Officers

- **PRESIDENT**
Larry Smith – K5XB
- **VICE-PRESIDENT**
Shawn Crossland – N6REP
- **SECRETARY**
Scott Davis – KK7JS
- **TREASURER**
Scott Joseph – AG5QQ
- **TRUSTEE (appointed)**
Jonathan Brown – WB5KSD
- **ACTIVITIES (appointed)**
David Rogers – KG5KPU



Officer Reports

- **SECRETARY'S REPORT**
 - **MEETING MINUTES**

- **TREASURER'S REPORT**
 - **BANK BALANCE**

- **ACTIVITIES REPORT**
 - **VARIOUS TOPICS**

- **PRESIDENT'S REPORT**
 - **VARIOUS TOPICS**



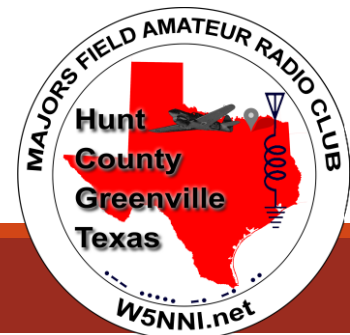
Calendar of Events & Announcements

- Rains ARA Meeting Saturday, Apr 12th, Emory VFD at 9 AM
Combined Rains/Hopkins County Net Mondays 7:30 PM 146.92(-)
(88.5Hz) 10 Meter Net 28.430 Mondays 8:00 PM
- SVARA Feb 21st at 7 PM Hunt Regional Hospital, Greenville
2nd floor conference room
- Hopkins ARC Meeting Feb 21st at 7 PM, First Church of the
Nazarene, Sulphur Springs
- Next Majors Field ARC Meeting Apr 11th at 11:45 AM on
Zoom, Weekly net Tues 11:45 AM 147.16(+)(100Hz)



Hamfest Calendar

- Upcoming Jan / Feb / Mar:
 - St. Patrick's Day Hamfest, Mar 16, Midland, TX <http://hamfest.w5qgg.org>
 - Belton Ham EXPO, Apr 12-13, Belton, TX www.tarc.org/hamexpo
 - Emory Hamfest, Apr 27, Emory, TX <http://w5ent.org>
- Long Range Planning
 - Dayton HamVention, May 17-18-19, Xenia, OH www.hamvention.org
 - San Antonio Radio Fiesta, Jul 19-20, Schertz, TX, <http://w5sc.org>
 - Texoma Hamarama, Oct 26 <https://hamarama.org>
 -



Old Business

- N5SN status
 - Yes? No?
- W5NNI repeater status
 - Working OK? Shack Temperature? Upgrades?
- Solar Eclipse Project at Rec Hall April 8
- Parks on the Air (POTA) April 20 Cooper Lake State Park
- Help for Civil Air Patrol Communications



New Business

- Morse Code Classes (Possible Lunch & Learn)
- Field Day efforts
- Skywarn Classes – Classroom and On-line sessions
- <https://www.weather.gov/fwd/skywarnmap>



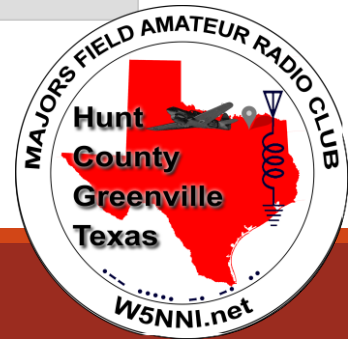
New Business

- Skywarn Classes – Classroom sessions

Dallas	Saturday, March 23 rd	In Person	9:00 am	UNT Dallas Founders Hall
--------	-------------------------------------	-----------	---------	-----------------------------

- Skywarn Classes – On-line sessions

NWS SKYWARN - Advanced	Thursday, March 21 st	Virtual	7:00 pm	Virtual
------------------------------	-------------------------------------	---------	---------	---------



New Business

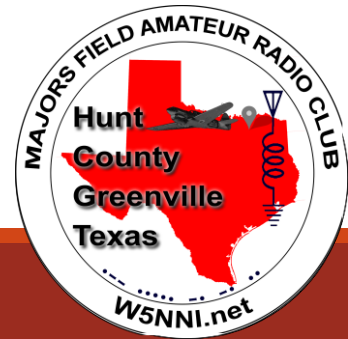
- Eclipse QSO Party

The Ham Radio Science Citizen Initiative (HamSCI) will be conducting research on the ionosphere in conjunction with the total solar eclipse on April 8. You can contribute data by making contacts in the Solar Eclipse QSO Party

<http://hamsci.org/eclipse>

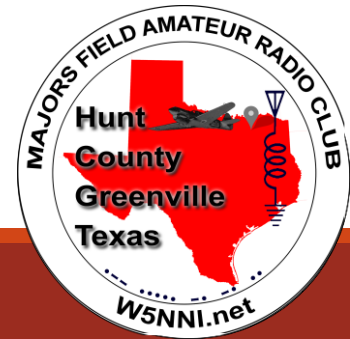
or by participating in the Gladstone Signal Spotting Challenge

<http://hamsci.org/gssc-rules>

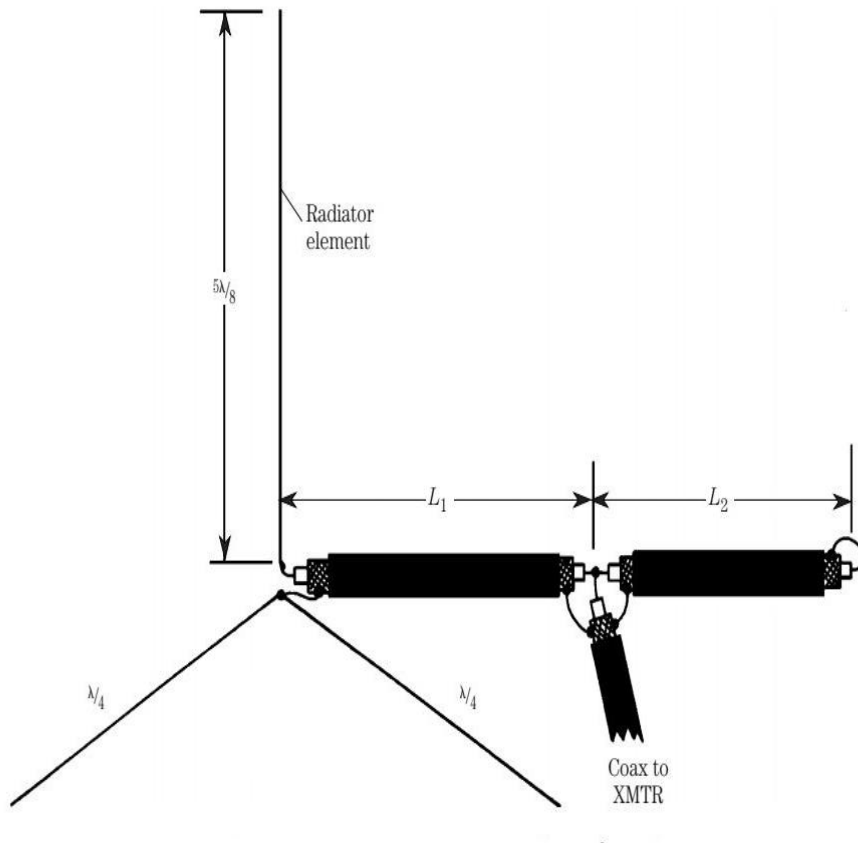


Wrap-Up

- Go Backs?
- Do Overs?
- Second Guesses?
- I Wish I Had Said...
- I Just Remembered...



Program Matching a 5/8 vertical antenna



$$L_1 = \frac{122}{F_{\text{MHz}}} \text{ ft} \quad [7.9]$$

or

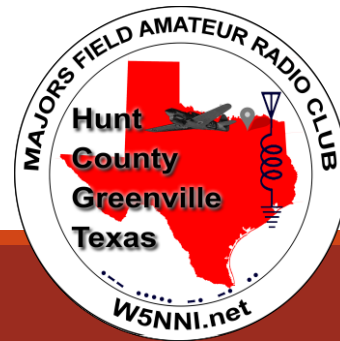
$$L_1 = \frac{38}{F_{\text{MHz}}} \text{ m} \quad [7.10]$$

and

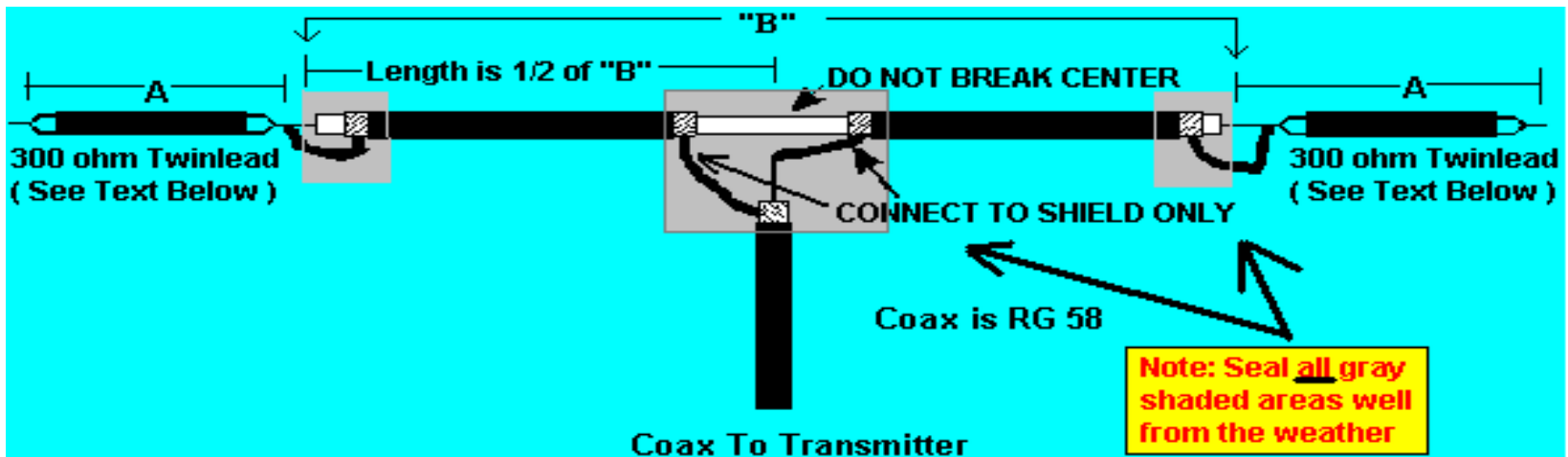
$$L_2 = \frac{30}{F_{\text{MHz}}} \text{ ft} \quad [7.11]$$

$$L_2 = \frac{9}{F_{\text{MHz}}} \text{ m} \quad [7.12]$$

From: Practical Antenna Handbook 4th Ed., J.J.Carr



Program Double Bazooka Antenna



THE MATH

1. TOTAL LENGTH OF ANTENNA: $460 / \text{FREQUENCY Mhz}$
2. TOTAL COAX LENGTH (B): $325 / \text{FREQUENCY Mhz}$
3. TOTAL TWINLEAD LENGTH A + A: TOTAL ANTENNA LENGTH MINUS TOTAL COAX LENGTH
4. TWINLEAD EACH SIDE: $1/2 \text{ OF RESULTS IN STEP \# 3}$

Example:

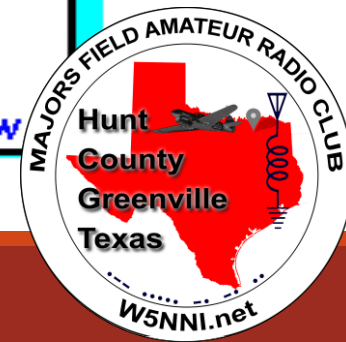
Double Bazooka cut for 3.800Mhz

1. $460 / 3.8 = 121$ feet total antenna length
2. $325 / 3.8 = 85.52$ feet total coax length (divide by 2 for each half DO NOT CUT!)
3. $121 \text{ minus } 85.52 \text{ feet} = 35.53 \text{ feet}$
4. Results of 3 above divided by 2 = 17.76 feet

Allow several inches to a foot or more on each end for any needed swr tuning and tie off of end insulators

N4UJW

12 awg wire can be substituted for Twinlead



Adjournment

See You Next Month!

