# Majors Field Amateur Radio Club

April 30, 2015

**Regular Business Meeting** 

## Agenda

 Announcements Officer Reports Old Business New Business Remote HF Committee Discussion Adjournment

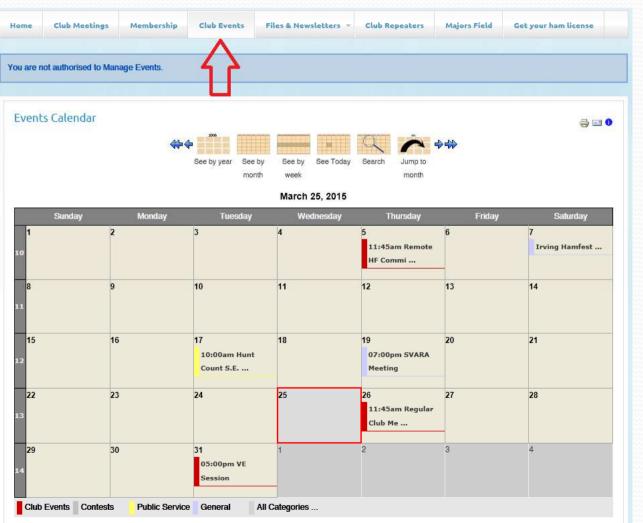
#### Announcements

- Technician License Classes
   April 7<sup>th</sup> ~ May 12<sup>th</sup> each Tuesday night at 5:30pm
   Classes held at PD North Conference Room.
- VE Session sponsored by MFARC May 19<sup>th</sup> 5:30pm RSVP to classes@wd5gsl.org Location: HRMC Hospital second floor conference room
- SVARA Meeting May 21<sup>st</sup> 7:00pm HRMC Hospital second floor conference room

### Announcements

 MFARC Meeting May 28<sup>th</sup> 11:45am PD North Conference Room

#### Announcements CHECK OUT ALL THE LATEST EVENTS AT: http://wd5gsl.org Click on "Club Events" as seen here:



**Rev - A** 

## **Officer Reports**

- President
   Michael Ketchum K5MDK
- Vice President Stephen Denison – W5SMD
- Secretary Treasurer John Nelson Jr. – NØDFW

#### Club Project Updates:

#### Remote HF Station

- 1. Planning phase is complete.
- 2. Vertical HF multi-band antenna purchased.
- 3. Will need USB to CAT cable for Kenwood. {\$40}
- 4. Phone and Intranet port are operational.
- 5. Committee working with IT to get HRD installed.
- 6. Committee working with EHS to move our station to next room at Fire Station and get combo lock.
- 7. First version will be Digital Modes Only, no Phone/CW.

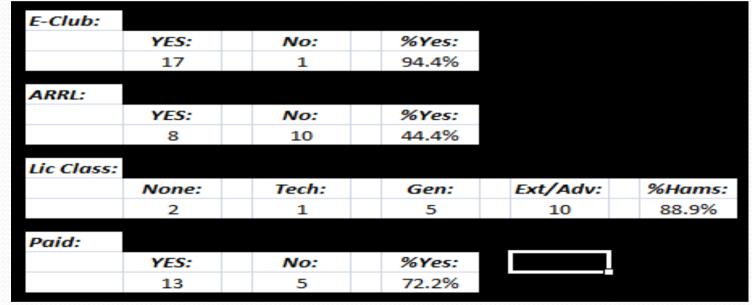
- Club Project Updates (continued):
  - VE Technician Class and exam
    - 1. First VE session on 3/31 @ 5:00pm in the Rec Hall had zero candidates.
    - 2. Classes going well. We have 2 students.
    - Second VE session setup for hospital May 19<sup>th</sup>.

#### • Club Project Updates (continued):

Technology Fair participation (Hamfest)

1. Need more information and ideas.

#### Club Membership Drive Results



 After filling out the form on web site, send dues payment to John Nelson – NØDFW directly or mail to:
 DO Bey 8204 Creenville TX 75404 8204

#### • 147.16 Repeater Upgrade

- Upgrade complete.
- Need to replace two coax cables
- Need keys to the new cabinet.
- Need to reprogram announcements

• Are there any items of old business that must be brought before the club?

/simˈpōzēəm/

sym·po·si·um

noun

a conference or meeting to discuss a particular subject.

- a collection of essays or papers on a particular subject by a number of contributors.
- **"Radio Frequency Communication" Series** 
  - Mark Bushnell AE5FG proposes this idea.
  - MFARC to host to entire L-3 population
  - Symposiums held once a month
  - Presenters will be hams and non-ham SMEs
  - List of topics has been proposed...

#### "Radio Frequency Communication" Series continued

Radio frequency basics

•COURSE OVERVIEW This course emphasizes the concepts behind RF Systems theory and operation. Topics include basic radio transmitters and receivers, RF propagation, modulation, antenna systems, transmission lines and data-communications.

•COURSE OBJECTIVES After completing this course, the student will be able to:

•Describe electrical principles, including direct and alternating current.

•Describe the basic structure of radio transmitters and receivers.

•Describe the operation of the antenna system.

•Identify different types of transmission media.

•Describe RF propagation and understand system gains in a link budget. •Modulation and information communication

- Analog and digital modulation
- •Radio receiver fundamentals
- Radio transmitter fundamentals

#### "Radio Frequency Communication" Series continued

•RF propagation

Around the world

•25 miles for less than 25 bucks?

Voice communications

Data communications

•Frequency Coordination (authorized frequencies for use)

•Frequency band plans

Encryption

•Wireless networks

Antennas

Software defined radio

•Electromagnetic Compatibility/Interference

•... More topics?

#### • Green Tag for HT

•We are considering a one-time group HT Green Tag Authorization.

If you have an HT that you would like to get a GREEN TAG for, you can participate.What is required:

•The FCC ID#, Model # and Serial # of your HT

•A copy (PDF) of the FCC Grant of Equipment Authorization for the HT model

•Your NAME, Clock #, E-Mail and Phone

•We will send this info to the Frequency Coordinator for approval. •We will get the approval and forward to you and Security •To complete the process:

•You will be required to bring your HT into security.

•You will show the Frequency Coordinator approval (e-mail)

•Security will install the green tag on your HT.

#### • Who Is Interested?

• Are there any items of new business that must be brought before the club?

### **Remote HF Station Committee**

### **HF Antenna Build**

### Next Steps...

# Adjournment