

# Majors Field Amateur Radio Club

February 26, 2015

Regular Business Meeting

# Agenda

- **Announcements**
- **Officer Reports**
- **Old Business**
- **New Business**
- **ARES / S.E.T. / Skywarn presentation**
- **Adjournment**

# Announcements

- NWS Skywarn Training – Hunt County – Basic only  
Feb 26<sup>th</sup> 6:30pm TONIGHT!  
F. Warren Civic Center – Moulton Rd. and Jack Finney
- SVARA Technician License Class & VE session (1-day)  
March 7<sup>th</sup>  
Commerce EOC: corner of Sycamore St. and Pecan St.  
RSVP required for testing.  
hamtechreviewsession@gmail.com
- Irving Hamfest / Convention  
March 7<sup>th</sup> [www.irvingarc.org](http://www.irvingarc.org)

# Announcements

- Hunt County ARES S.E.T.  
March 17<sup>th</sup> 10am till late afternoon.  
Aircraft Crash scenario – Volunteers needed
- Sabine Valley Amateur Radio Association meeting  
March 19<sup>th</sup>  
Hunt Co Regional Hospital 7:00pm
- Weatherford Hamfest  
March 21<sup>st</sup>  
<http://w5pc.org>

# Announcements

- MFARC meeting  
March 26<sup>th</sup> 11:45am  
Presentation on WSPR by Mark Rice – KK5MR.
- Ham-Com  
Jun 12<sup>th</sup> ~ 13<sup>th</sup>  
[www.hamcom.org](http://www.hamcom.org)

# Announcements

## Work Study Group on SDR announced

Sign up for this group at:

<http://gvlweb2k3.gvl.is.l-3com.com/WorkStudyGroups/>

### Topic Information:

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**Topic:**

Implementing Software Defined Radio

**Term:**

2015 - Spring

**Description:**

Practical implementation information for engineers who develop, design, and test SDRs. See [http://www.amazon.com/Implementing-Software-Defined-Eugene-Grayver/dp/1441993312/ref=tmm\\_hrd\\_title\\_0](http://www.amazon.com/Implementing-Software-Defined-Eugene-Grayver/dp/1441993312/ref=tmm_hrd_title_0) and [https://books.google.com/books?id=GmjxoQEACAAJ&dq=software%20defined%20radio&source=gbs\\_book](https://books.google.com/books?id=GmjxoQEACAAJ&dq=software%20defined%20radio&source=gbs_book)

**Book Title:**

Implementing Software Defined Radio

**Book Author:**

Eugene Grayver

**Book ISBN:**

978-1441993311

# Officer Reports

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

# Old Business

- **Club Projects:**
  - **Remote HF Station – 10 meters initially**
    1. Committee has been formed:  
Victor Paul – Jae Stutzman – Mark Stites  
and Stephen Denison.
    2. Chairman needed to organize first meeting.
    3. Any comments – questions?



# Old Business

- **Club Projects (continued):**
  - **VE Technician Class and exam**
    1. We now have 5 new VEs with Laurel VEC thanks to Stephen Denison – W5SMD
    2. Need to schedule VE sessions & class
    3. Proposed having classes in PD North Conf.
    4. Need to check with GVL Library as VE local.
    5. Any questions – comments?

# Old Business

- **Club Projects (continued):**
  - **Technology Fair participation (Hamfest)**
    1. Need more information and ideas.

# Old Business

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

# New Business

- **Club Membership Dues**

- According to meeting minutes on 3/28/2013, Dues are \$10.00 E-Club and \$31.00 Non E-Club members.
- No dues were collected in 2014
- Dues will resume for 2015
- A Membership Registration form will be put up on the web site soon.
- Everyone will get an email with link to Form.
- After filling out the form, send dues payment to John Nelson – NØDFW directly or mail to:

**P.O. Box 8294    Greenville, TX 75404-8294**

# New Business

sym·po·si·um

/sim'pōzēəm/

*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...

# New Business

- **“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**

# New Business

- **“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?

# New Business

- **147.16 Repeater Upgrade**
  - Jim Brown – W5ZIT has another repeater
  - This repeater is a slight upgrade
  - Club ordered rack enclosure for Controller
  - Only duplexer, antenna, coax and cabinet to remain.
  - Will need volunteers to install new equipment when it arrives from New Mexico. No date yet.



# New Business

- **Club Web Site**
  - Site in “Beta” stage for a while. Do we need a domain name?
  - **<http://mfarc.ketchums.info>**
  - **Step 1 – Buy a domain name for this site**  
wd5gsl.net \$12.50/yr wd5gsl.org \$11.50/yr
  - **Step 2 – Migrate to hosting service.**  
This step may not happen right away.  
Club is welcome to hosting for as long as it takes.

# New Business

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

# PRESENTATION

## Chris Vaughan – AF50

- Retired Commerce Volunteer Fireman (20years)
- Retired Officer with Commerce Police Department
- Hunt County EOC – Commerce
- ARES EC District 3 – Hunt County
- Laurel VEC Region 5 Sub-coordinator for Texas

# ARRL NTX Section ARES

Section Manager for ARRL NTX  
**Section Emergency Coordinator**  
Assistant Section EC NTX  
Assistant Section EC NTX  
District 3 District EC

## **Hunt County EC**

Collin County EC  
Cooke County EC  
Denton County EC  
Fannin County EC  
Grayson County EC  
Montague County EC  
Wise County EC

Chris Brewer – N5GMJ  
**John Galvan – N5TIM**  
Dave Martin – K5YFO  
Dale Finley – KB5NFT

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## **Chris Vaughan – AF50**

Fred Varian – WD5ERD  
Gary Burchett – KD5QFB  
Guy Story – KC5GOI  
David F. Reeder – WA0URJ  
Rick Summons – K5ECX

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Clay Walker – KC5MK

# ARRL NTX Section ARES Links

ARRL NTX Section Web:  
<http://arrlntx.org>

Hunt Co ARES yahoo group:  
[https://groups.yahoo.com/neo/groups/Hunt\\_County\\_Texas\\_ARES/info](https://groups.yahoo.com/neo/groups/Hunt_County_Texas_ARES/info)

Sabine Valley Amateur Radio Association (SVARA)  
<http://www.k5gvl.org/>

SVARA Yahoo Group is K5GVLTX

<https://groups.yahoo.com/neo/groups/k5gvltx/info>

(If you are a member of MFARC (L-3) and wish to subscribe to K5GVLTX yahoo group, in the notes section, when you request to join, just mention you are a member of L-3 club)

# Adjournment