

The eKilo - What

Monthly Newsletter of the San Angelo Amateur Radio Club

May 2013



PRESIDENT'S MESSAGE

As Tom/K4OTM has been out of town for a time, SAARC Vice President Joe/W5UI has directed the club's affairs and chaired the May 9th meeting. The items discussed in that meeting pertained primarily to the upcoming ARRL Field Day planning. A summary of the items discussed in the minutes below.

We look forward to Tom's safe return. *-Ed.*

Meeting called to order by Joe Kent, W5UI at 7:31.

The meeting was opened with the pledge.

Matt Healy, W5MAT made the motion to accept the minutes as presented in the Kilo-What, the motion carried with no errors or corrections.

Bob Freeman - KD5PIX presented the financial report,

Matt Healy, W5MAT made the motions to accept the report as presented. The motion carried.

Hughbert Robison, KC5NPC went over field day and reviewed the areas that needed to be handled as we moved forward. The following is a partial list of that information:

1. Hughbert Robison, KC5NPC reviewed the Donations to date.
2. The Field Day signup sheet was passed.
3. Gary Chaffin - W5ETJ will check the generator
4. Matt Healy - W5MAT said the club could use his call sign for the GOTA Station.
5. Glenn Miller - AA5PK will be working sats if there is a fly over.
- 6 Gary Chaffin - W5ETJ will be notifying ARRL of our location.
7. Les Roblin - K7PTZ will be working Mars and Civil Air Patrol during the Field Day.
8. Matt Healy - W5MAT will notify Ft. Concho we will be using a different location this year.
9. Mike Dominy - WD5URW will supply fire extinguishers for the event.
10. Gary Pittman - KE5TXL will supply the ice.
11. We will set up on Friday and put all trailers in one area so Jack Roberts KB5TMY will be able to watch over the site.
12. David Lewis - W5DLL will have the educational table set up for Code and learning pamphlets.
13. Hughbert Robison, KC5NPC will handle all promotions for field day.

New Business: The club will looking into another utility provider to see if we can get a better rate. We are currently with WTU and it was suggested to look at "Dinowatt."

Ron Mecklenburg- WD5WXJ won split the pot and donated it back to the club.

Marcus O'Quin - KF5GKC made the motion to adjourn, motion carried.

The meeting was adjourned at 8:30 pm.

Matt Healy, W5MAT



What now? See Page 11.

Club News

**Results of the May 12, 2013, SAARC
Amateur License Examination Session**
by: Glenn Miller/AA5PK

SAARC sponsored and administered ARRL/VEC's amateur license examination on May 12, 2013, at the clubhouse at the Mathis Field airport, 5513 Stewart Lane, following the 3-day Technician License class.

Members of the VE Exam Team were:

Glenn Miller/AA5PK
Marcus Oquin/KF5GKC
Joe Kent/W5UI
Bob Heiser/W7IKT
Jack Roberts/KB5TMY

Eight (8) candidates were administered eight (8) examination elements with the following results: Five (5) new Technician licensees and two (2) General class upgrades.

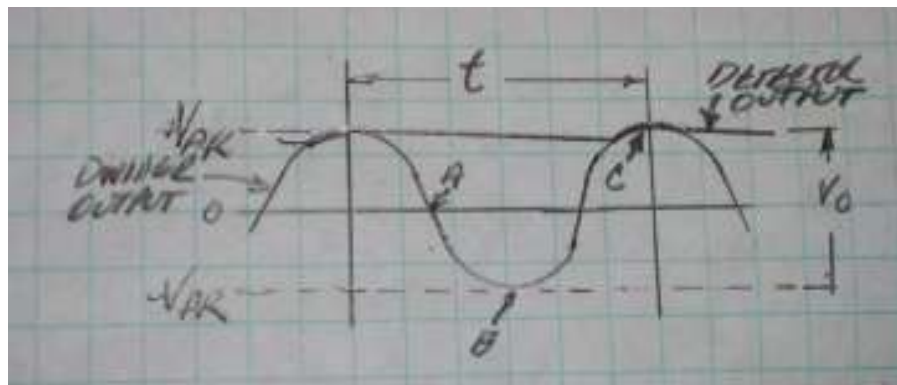
Thanks to the VE Team members who volunteer their valuable time and efforts. - Ed.

Oooops!

Carol Heiser is N5CBQ and holds the General Class license. Sorry Carol!

David/W5DLL won the Split-the-Pot and donated it to the club. Thanks David!

Figure 2, Page 6 was omitted in the April issue:



ARRL NEWS

The Brazos Valley Amateur Radio Club will again participate in this year's Museum Ships Weekend. June 1-2, 2013. Our call sign, KK5W will be credited as a contact with both WW II Submarine USS Cavalla and Destroyer Escort USS Stewart. representing the USS Cavalla and USS Stewart. Visit our web page for more information, www.bvarcmsgwe.org. We will be operating from, Seawolf Park in Galveston, Texas, NA-143.

WE will have four stations set up, two located in the park, aboard the Cavalla and aboard the Stewart. Weather permitting these stations will be on the air continuously.

We need operators. Amateur radio operators in the Galveston - Houston area are cordially invited to participate. You can sign up on the web page if you would like to operate KK5W during the event at Seawolf Park.

Frequencies as follows:

SSB

7.260 MHz

14.260 MHz

21.360 MHz

28.360 MHz

CW

7.039 Mhz

14,039 MHz

21.039 KHz

28,039 KHz

Operation on OSCAR satellites is planned for daytime passes on Saturday, June 1.

KK5W will host two VHF Nets for Houston-Galveston amateurs to contact the local museum ships using the WA5CYI repeater 146.94 (-) PL 167.9 on Saturday and Sunday from 11AM - 1 PM Local time. We are anticipating the USS Texas (NA5DV), Elissa (N5E), and the Grandcamp/High Flyer Memorial (AC0TX) will be on the net.

A balloon launch is scheduled for Saturday morning, APRS trackers will use N5BPS (the Cavalla's wartime call sign was NBPS).

Once again, we will be offering the Texas Navy Award.

This year's Texas Navy Fleet is expanded to include:

USS Cavalla and USS Stewart - KK5W

USS Texas - NA5DV

Tall Ship Elissa - N5E

USS Lexington - W5LEX

SS High Flyer and SS Grandcamp Memorial - AC0TX

National Museum of the Pacific War - N5P

For KK5W and AC0TX, one contact counts for both ships. Provide evidence of two way communication (log extract) with at least four of the call signs during MSWE 2013 to earn the 2013 Texas Navy Certificate. Work all six to earn the coveted "Clean Sweep" endorsement.

73, Ron, K5HM Event Coordinator

k5hm.ron@gmail.com

www.qrz.com/db/k5hm

ARRL West Texas Section

Section Manager: Billy D Roberts, W5NPR

w5npr@arrl.org

ARRL NEWS

ARRL Field Day - June 22-23, 2013

NOTES

ARRL Field Day 2013 Rules

1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, and may submit entries as check-logs.

2. Object: To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

3. Date and Time Period: Field Day is **always the fourth full weekend 22-23, 2013.**

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire 27-hour Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No class A or B station may begin its set-up earlier than 0000 UTC on the Friday (Thursday afternoon or evening local time) preceding the Field Day period. Cumulative set-up time shall not exceed a total of 24 hours.

4. Entry Categories: 4. **Entry Categories:** Field Day entries are classified according to the maximum number of *simultaneously* transmitted signals, followed by a designator indicating the nature of their individual or group participation. The minimum number of transmitters that must be claimed is one (1). Twenty (20) transmitters maximum are eligible for the purpose of calculating bonus points (2,000 points maximum). However, additional transmitters which may legitimately be used simultaneously will determine your entry category classification, but will not earn additional bonus points (i.e. 22 transmitters = 22A). The use of switching systems that allow for lockouts in order to use multiple transmitters (i.e., an "octopus") in an attempt to enter a lower-number-of-transmitters class are prohibited (i.e. using 2 transmitters that can transmit simultaneously, with two operators, and a lock-out system and entering class 1A). The use of simulcasting devices that allow a single operator to key and transmit on more than one transmitter at a time, is prohibited. **Bonus stations, such as the GOTA station and satellite station do not count towards determining the number of transmitters for the class and do not qualify for transmitter bonus points.**

4.1. (Class A) Club / non-club portable: Club or a non-club group of three or more persons set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). To be listed as Class A, all contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately as Class A-Commercial.

4.1.1. Get-On-The-Air (GOTA) Station. Any Class A (or F) entry whose transmitter classification is two or more transmitters may also operate one additional station without changing its base entry category, known as the GET-ON-THE-AIR (GOTA) station. **This GOTA station may operate on any Field Day band, HF or VHF, but is limited to one GOTA station transmitted signal at any time.**

4.1.1.1. This station **must use** a different callsign from the primary Field Day station. The GOTA station must use the same callsign for the duration of the event regardless if operators change. **The GOTA station uses the same exchange as its parent.**

4.1.1.2. **The GOTA station may be operated by any person licensed since the previous year's Field Day, regardless of license class. It may also be operated by a generally inactive licensee. Non-licensed persons may participate under the direct supervision of an appropriate control operator. A list of operators and participants must be included on the required summary sheet to ARRL HQ.**

4.1.1.3. **As per FCC rules, this station must have a valid control operator present at the control point if operating beyond the license privileges of the participant using the station**

NOTES

4.1.1.4. The maximum transmitter output power for the GOTA station shall be **150 watts**. If the primary Field Day group is claiming the QRP multiplier level of 5, the maximum transmitter output power of the GOTA station may not exceed 5 watts.

4.1.1.5. A maximum of 500 QSOs made by this station may be claimed for credit by its primary Field Day operation. In addition, bonus points may be earned by this station under rule 7.3.13.

4.1.1.6. The GOTA station may operate on any Field Day band. Only one transmitted signal is allowed from the GOTA station at any time.

4.1.1.7. The GOTA station does not affect the additional VHF/UHF station provided for under Field Day Rule 4.1.2. for Class A stations.

4.1.1.8. Participants are reminded that non-licensed participants working under the direction of a valid control operator may only communicate with other W/VE stations or with stations in countries with which the US has entered a third-party agreement.

4.1.1.9. The GOTA station does not qualify as an additional transmitter when determining the number of transmitters eligible for the 100-point emergency power bonus under Rule 7.3.1.

4.1.2. Free VHF Station: All Class A entries may also operate one additional transmitter if it operates exclusively on any band or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the clubs Field Day period and all contacts count for QSO credit. It is operated using the primary callsign and exchange of the main Field Day group and is separate and distinct from the GOTA station.

4.2. (Class A - Battery) Club / non-club portable: Club or non-club group of three or more persons set up specifically for Field Day. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A. Class AB is eligible for a GOTA station if GOTA requirements are met; however if a GOTA station is used in this class it must meet the 5-Watt or less power requirement of this category.

4.3. (Class B) One or two person portable: A Field Day station set up and operated by no more than two persons. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B entries will be listed separately.

4.4. (Class B - Battery) One or two person portable: A Field Day station set up and operated by no more than two persons. All contacts must be made using an output power of 5 Watts or less **and** the power source must be something other than commercial mains or motor-driven generator. Other provisions are the same for Class A except it is not eligible for a GOTA or free VHF station. One and two person Class B - Battery entries will be listed separately.

4.5. (Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile. If the Class C station is being powered from a car battery or alternator, it qualifies for emergency power but does not qualify for the multiplier of 5, as the alternator/battery system constitutes a motor-driven generating system.

4.6. (Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. Class D stations may only count contacts made with Class A, B, C, E and F Field Day stations.

4.7. (Class E) Home stations - Emergency power: Same as Class D, but using emergency power for transmitters and receivers. Class E may work all Field Day stations.

4.8. (Class F) Emergency Operations Centers (EOC): An amateur radio station at an established EOC activated by a club or non-club group. Class F operation must take place at an established EOC site. Stations may utilize equipment and antennas temporarily or permanently installed at the EOC for the event. Entries will be reported according to number of transmitters in simultaneous operation. Class F stations are eligible for a free VHF station. At Class 2F they are also eligible for a GOTA station.

4.8.1. For Field Day purposes, an Emergency Operations Center (EOC) is defined as a facility established by:

- a) a Federal, State, County, City or other Civil Government, agency or administrative entity; or,
- b) a Chapter of a national or international served agency (such as American Red Cross or Salvation Army) with which your local group has an established operating arrangement;

4.8.1.1. A private company EOC does not qualify for Class F status unless approved by

4.8.2. Planning of a Class F operation must take place in conjunction and cooperation with the staff of the EOC being activated.

4.8.3. Other provisions not covered are the same as Class A.

4.8.4. A Class F station may claim the emergency power bonus if emergency power is available at the EOC site.

4.8.4.1. The emergency power source must be tested during the Field Day period but you are not required to run the Class F operation under emergency power.

NOTES

5. **Exchange:** Stations in ARRL / RAC sections will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter class A station in Connecticut which also has a GOTA station and the extra VHF station would send "3A CT" on CW or "3 Alpha Connecticut" on Phone. DX stations send operating class and

the term DX (i.e. 2A DX).

6. Miscellaneous Rules:

6.1. A person may not contact for QSO credit any station from which they also participate.

6.2. A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day. Family stations are exempt provided the subsequent callsign used is issued to and used by a different family member.

6.3. Phone, CW and Digital (non-CW) modes on a band are considered as separate bands. A station may be worked only once per band under this rule.

6.4. All voice contacts are equivalent.

6.5. All non-CW digital contacts are equivalent.

6.6. Cross-band contacts are not permitted (Satellite QSOs cross-band contacts are exempted).

6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited. Exception: a dedicated GOTA station may operate as prescribed in Rule 4.1.

6.8. No repeater contacts are allowed.

6.9. Batteries may be charged while in use. Except for Class D stations, the batteries must be charged from a power source other than commercial power mains. To claim the power multiplier of five, the batteries must be charged from something other than a motor driven generator or commercial mains.

6.10. All stations for a single entry must be operated under one callsign, except when a dedicated GOTA station is operated as provided under Field Day Rule 4.1.1. it uses a single, separate callsign.

7. **Scoring:** Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

7.1. QSO Points:

7.1.1. Phone contacts count one point each.

7.1.2. CW contacts count two points each.

7.1.3. Digital contacts count two points each.

7.2. Power multipliers: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

7.2.1. If all contacts are made using a power of 5 Watts or less *and* if a power source other than commercial mains or motor-driven generator is used (batteries, solar cells, water-driven generator), the power multiplier is 5 (five).

7.2.2. If all contacts are made using a power of 5 Watts or less, but the power source is from a commercial main or from a motor-driven generator, the power multiplier is 2. If batteries are charged during the Field Day period using commercial mains or a motor-driven generator the power multiplier is 2 (two).

7.2.3. If any or all contacts are made using an output power up to 150 Watts or less, the power multiplier is 2 (two).

7.2.4. If any or all contacts are made using an output power greater than 150 Watts, the power multiplier is 1 (one).

7.2.5. The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event. (Example: a group has one QRP station running 3 Watts and a second station running 100 Watts, the power multiplier of 2 applies to all contacts made by the entire operation).

Field Day score. Bonus points will be applied only when the claim is made on the summary sheet and any proof required accompanies the entry or is received via email or normal mail delivery.

7.3.1. 100% Emergency Power: 100 points per transmitter classification if all contacts are made only using an emergency power source up to a total of 20 transmitters (**maximum 2,000 points.**) **GOTA station and free VHF Station for Class A and F entries do not qualify for bonus point credit and should not be included in the club's transmitter total.** All transmitting equipment at the site must operate from a power source completely independent of the commercial power mains to qualify. (Example: a club operating 3 transmitters plus a GOTA station and using 100% emergency power receives 300 bonus points.) **Available to Classes A, B, C, E, and F.**

7.3.2. Media Publicity: 100 bonus points may be earned for attempting to obtain publicity from the local media. A copy of the press release, or a copy of the actual media publicity received (newspaper article, etc.) must be submitted to claim the points. **Available to all Classes.**

7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (i.e. shopping center, park, school campus, etc). The intent is for amateur radio to be on display to the public. **Available to Classes A, B and F.**

NOTES

- 7.3.4. Public Information Table:** 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. A copy of a visitor's log, copies of club handouts or photos is sufficient evidence for claiming this bonus. **Available to Classes A, B and F.**
- 7.3.5. Message Origination to Section Manager:** 100 bonus points for origination of a National Traffic System (NTS) style formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a fully serviced copy of it must be included in your submission, in standard ARRL NTS format, or no credit will be given. The Section Manager message is separate from the messages handled in Rule 7.3.6. and may not be claimed for bonus points under that rule. **Available to all Classes.**
- 7.3.6. Message Handling:** 10 points for each formal NTS style originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). Properly serviced copies of each message must be included with the Field Day report. **The message to the ARRL SM or SEC under Rule 7.3.5. does not count towards the total of 10 for this bonus. Available to all Classes. All NTS messages claimed for bonus points must leave or enter the site via amateur radio RF.**
- 7.3.7. Satellite QSO:** 100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period. "General Rules for All ARRL Contests" (Rule 3.7.2.), (the no-repeater QSO stipulation) is waived for satellite QSOs. Groups are allowed one dedicated satellite transmitter station without increasing their entry category. Satellite QSOs also count for regular QSO credit. Show them listed separately on the summary sheet as a separate "band." You do not receive an additional bonus for contacting different satellites, though the additional QSOs may be counted for QSO credit unless prohibited under Rule 7.3.7.1. The QSO must be between two Earth stations through a satellite. **Available to Classes A, B, and F.**
- 7.3.7.1** Stations are limited to one (1) completed QSO on any single channel FM satellite.
- 7.3.8. Alternate Power:** 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum driven generator. This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural means (not dry cells). The natural power transmitter counts as an additional transmitter. If you do not wish to increase your operating category, you should take one of your other transmitters off the air while the natural power transmitter is in operation. A separate list of natural power QSOs should be submitted with your entry. **Available to Classes A, B, E, and F.**
- 7.3.9. WIAW Bulletin:** 100 bonus points for copying the special Field Day bulletin transmitted by WIAW (or K6KPH) during its operating schedule during the Field Day weekend (listed in this rules announcement). An accurate copy of the message is required to be included in your Field Day submission. (Note: The Field Day bulletin must be copied via amateur radio. It will not be included in Internet bulletins sent out from Headquarters and will not be posted to Internet BBS sites.) **Available to all Classes.**
- 7.3.10. Educational activity bonus:** One (1) 100-point bonus may be claimed if your Field Day operation includes a specific educational-related activity. The activity can be diverse and must be related to amateur radio. It must be some type of formal activity. It can be repeated during the Field Day period but only one bonus is earned. For more information consult the FAQ in the complete Field Day packet. **Available to Classes A & F entries and available clubs or groups operating from a club station in class D and E with 3 or more participants.**
- 7.3.11. Site Visitation by an elected governmental official:** One (1) 100-point bonus may be claimed if your Field Day site is visited by an elected government official as the result of an invitation issued by your group. **Available to all Classes.**
- 7.3.12. Site Visitation by a representative of an agency:** One (1) 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (American Red Cross, Salvation Army, local Emergency Management, law enforcement, etc.) as the result of an invitation issued by your group. ARRL officials (SM, SEC, DEC, EC, etc) do not qualify for this bonus. **Available to all Classes.**
- 7.3.13. GOTA Bonus. Class A and F stations operating a GOTA station may earn the following bonus points:**
- 7.3.13.1. When a GOTA operator successfully completes 20 QSOs, they receive 20 bonus points. Upon reaching an additional 20 QSOs the same operator receives a second 20 bonus points, up to a maximum of 100 Bonus points per GOTA operator. An operator may make more than 100 QSOs but the QSOs over 100 do not qualify for an additional bonus.**

7.3.13.1.1. Additional GOTA operators may earn the GOTA bonus points under this rule, up to the maximum of 500 bonus points. (Remember that there is a 500-QSO limit for the GOTA station. But no single GOTA operator may earn more than 100 of the GOTA bonus points except as provided in 7.3.13.2.)

7.3.13.1.2. A single GOTA operator must complete all 20 QSOs required before the bonus is earned. There is no “partial credit” for making only a portion of the 20 QSOs or “pooling” QSOs between operators.

7.3.13.2. If a GOTA station is supervised full-time by a GOTA Coach, the bonus points earned for each 20 QSOs completed under Rule 7.3.13.1. will be doubled.

7.3.13.2.1. The GOTA Coach supervises the operator of the station, doing such things as answering questions and talking them through contacts, but may not make QSOs or perform logging functions.

7.3.13.2.2. To qualify for this bonus, there must be a designated GOTA Coach present and supervising the GOTA station at all times it is being operated.

7.3.14. Web submission: A 50-point bonus may be claimed by a group submitting their Field Day entry via the www.b4h.net/cabforms web site. **Available to all Classes.**

7.3.15. Field Day Youth Participation:

7.3.15.1. A 20-point bonus (maximum of 100) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO.

7.3.15.2. For a 1-person Class B station, a 20-point bonus is earned if the operator is age 18 or younger. For a 2-person Class B station, a 20-point bonus is earned for each operator age 18 or younger (maximum of 40 points.) Keep in mind that Class B is only a 1 or 2 person operation. This bonus does not allow the total number of participants in Class B to exceed 1 or 2.

8. Reporting:

8.1. Entries may be submitted to the ARRL in one of three ways:

8.1.1. Via Field Day Web Submission Applet site at www.b4h.net/cabforms/;

8.1.2. Via email to fieldday@arrl.org; or

8.1.3. Via land postal or delivery service to Field Day Entries, 225 Main St, Newington, CT 06111.

8.2. Entries must be postmarked, emailed or submitted by July 23, 2013. Late entries cannot be accepted.

8.3. A complete Field Day Web Applet Submission site entry consists of:

8.3.1. An official ARRL summary sheet which is completed on the site;

8.3.2. Supporting information must be emailed to fieldday@arrl.org or submitted by land service. Supporting information must include:

8.3.2.1. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.3.2.2. Proof of all bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.4. A complete non-applet email submission consists of:

8.4.1. An electronic copy of an ARRL summary sheet completely and accurately filled out;

8.4.2. An attached list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.4.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.5. A complete land postal or delivery non-electronic submission consists of:

8.5.1. A complete and accurate ARRL summary sheet;

8.5.2. An accompanying list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode); and

8.5.3. Proofs of bonus points claimed (copies of visitor logs, press releases, NTS messages handled, photographs, etc).

8.6. Complete station logs are not required for submission. The club should maintain log files for one year in case they are requested by ARRL HQ.

8.7. Cabrillo format log files are not required for Field Day entries. They will be accepted in lieu of the dupe sheets but do not substitute for a summary sheet.

8.8. Digital images of proof of bonus points are acceptable.

8.9. Electronic submissions are considered signed when submitted.

9. Miscellaneous:

9.1. The schedule of bulletin times for W1AW is included in this announcement. While W1AW does not have regular bulletins on weekends, the Field Day message will be sent according to the schedule included with this announcement. The W1AW bulletins will be transmitted on the regular W1AW frequencies listed in *QST*. The PSK31 bulletin will be transmitted on the W1AW teleprinter frequencies. The special Field Day bulletin will be transmitted from station K6KPH on the West Coast as included in the bulletin schedule.

NOTES

9.2. See "General Rules for All ARRL Contests," "General Rules for All ARRL Contests on Bands Below 30 MHz," and "General Rules for All ARRL Contests on Bands Above 50 MHz" for additional rules (www.arrl.org/contest-rules) that may cover situations not covered in these Field Day rules. Decisions of the ARRL Awards Committee are final in adjudicating Field Day problems.

9.3. Remember that the national simplex FM calling frequency of 146.52 MHz should not be used for making Field Day contacts.

9.4. The complete Field Day information package may be obtained by:

9.4.1. Sending a SASE with 5 units of postage to: Field Day Information Package, ARRL, 225 Main St., Newington, CT 06111; or

9.4.2. By downloading from the Contest Branch home page at: www.arrl.org/field-day

9.5. For more Field Day information/questions contact: fdinfo@arrl.org or phone (860) 594-0232.

Revised: February 2013

The above is from [www.arrl.org/files/file/Field Day 2013/2013%20Rulespdf](http://www.arrl.org/files/file/Field%20Day%202013/2013%20Rulespdf), with some format editing. -Ed.

OF INTEREST

Bill/WB5ZAM wrote: Here's a site to add to the next Kilo-What. Maybe someone is interested in operating from there. Lots of neat pics of Hams in St. Lucia. <http://slarc.dageekz.com/>

On May 16th, we went to Abilene to hear the Wylie ISD Junior High and High School Jazz Bands. Wayne Bergeron flew in from Los Angeles to play his trumpet with both bands. Good music was made that evening. The performance was in the Paramount Theatre which reminded me of the Majestic in San Antonio sixty five years ago!

While in Abilene, I wanted to explore electronic parts houses. The only listing in the phone under "Electronic Equipment & Supplies -Dealers", besides Circuit City and Radio Shack, was one business with the unlikely name of Abilene Electric Motor Service and Sales. As I found out, they do stock electronic stuff and seem to have a fair selection of NTE parts, connectors, cables and other components. They are located just off S. Treadaway Blvd. on the southeast side of town at the intersection of Butternut and S 22nd. The address is 2202 Butternut and the phone number is 325-676-0310.

I am sure many knew of this store but I thought I would mention it anyway.

Pete/KJ5SS



Scanner Jack's Corner

New scanner frequency data is being updated and will be available soon.

In the meantime Scanner Jack encourages you to call him for help with any scanner problem you may be experiencing. Jack, KB5TMY, is available at (325) 651-4840.

OPERATING

Radiosport

The contents of the following appeared in the Brazos Valley ARC Newsletter in the February, March and May, 2013, issues and were prepared by Ron/K5HM. His work has been edited for the *eKilo-What* and will appear in this and following issues with Ron's permission. Thanks Ron. –*Ed.*

Part 1

The following tips were compiled to help enhance your enjoyment, success and operating skills. Some suggestions may seem obvious but some may not.

- **Create or Set a Goal** - The more time spent in a contest, the harder it becomes. Effort is required to copy signals in the midst of contest noise. Operating takes focus and attention, especially at 3 AM. A goal gives you a reason for operating when the going gets tough.
- **Work a “tune up” contest one month before the “real” contest** – As the sun turns once a month, the sunspots at the end of one period will probably be there at the end of the next period. Propagation will be very similar to the previous month.
- **Have a Plan:**
 - Plan the operating/off time.**
 - Plan band changes.**
 - Planning gives you a comparison to current operating.**
 - A plan gives you data points for the next contest.** (This reality check can be used for future planning.)
- **Read the contest rules** - Rules change. How are the multipliers counted or how points are exactly constructed?
- **Test Equipment before the Contest:**
 - Each antenna on each band.**
 - Each rotor.**
 - Each radio can receive.**
 - Each radio can transmit.**
 - Each computer** – Make sure software comes up and can see radios and rotors.
 - Each macro** – Make sure CW/SSB/RTTY/PSK messages work as advertised with the function keys, including transmitting.
 - Each sound card.**
- **How well is your station laid out for comfort and efficiency** – Operating for 24 or 48 hours will answer this question.

To be continued.

TECHNICAL

A Simple Field Strength Meter

by Pete Norris/KJ5SS

The Field Strength Meter is a pleasure to see respond to a transmitted signal. Many are available from the many vendors such as MFJ. Referring to the MFJ catalog, the meter described is probably like the MFJ-802 without an earphone jack. The design described here is ground independent but certainly not insensitive to the “influence of surroundings”. The MFJ-801 uses a single whip antenna. Grabbing one whip on the model described has the same effect as “Finger contact on side increases the sensitivity when needed”.

The schematic for this homebrew meter is shown in Figure 1. This is the same detector described in the April issue of the *eKilo-What*. The diodes (D1, D2) are the same (1N6263) although most any fast diode will do as the voltages and currents encountered by the meter are usually very low. If the components shown are not available, refer to the previous article.

The telescoping antennas can be salvaged from old FM radios, low frequency wireless telephones, TV rabbit ears or Radio Shack. Figure 2 and 3 show the meter and internal construction.

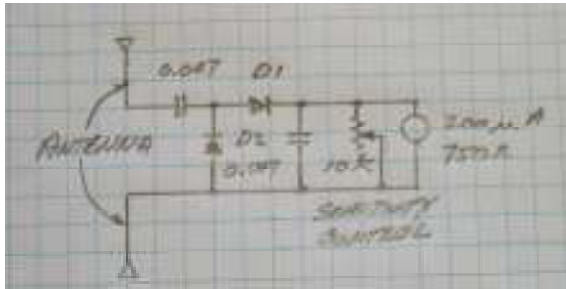


Figure 1. Field Strength Meter Schematic

This meter is “wide open” to all signals. Adding earphones and perhaps adjusting the output filter capacitor makes it an untuned crystal set. Adding a parallel tuned circuit across the detector would provide some selectivity.



Figure 2. Modified Meter face with Sensitivity Control at lower right.

Figure 3. Meter internal construction with Sensitivity Control at upper right.

Comments or questions? Contact Pete/KJ5SS, norrispeter26@gmail.com.

Free

I have the following free items for anyone interested:

1: diplexer set for 1090 MHz with 5 pole tuned cavity filter on transmit and 7 pole tuned cavity on receive. Tunable, should tune to 1200 MHz or 900 MHz with a screwdriver;

2: signal monitor probe 2 ports 30 db attenuation, about 6 n connectors appear to be silver plated for 1080 MHz;

3: 2 meter Yagi 100 feet long on two pieces of 200 pound nylon line. about 44 elements and 19 db gain. This antenna is really ugly but it works. I made it out of aluminum ground wire so the elements are flexible and sort of droop a lot.

James Fisher -kd6iwd@gmail.com

For Sale

NEW ITEMS

Kenwood TS 430S with matching Power Supply - \$326.00. Hubert/KC5NPC, tbum@aol.com.

Coleman Powermate Generator, 6,250 Watt, excellent condition. Used one time for Field Day (approximately 36 hours). With wheel kit—\$400.00; Yaesu FT-736R UHF/VHF Base Station w/new tone board —**SOLD**; Kenwood 2000—\$1200.00; Yeasu FT736R—\$450.00; ICOM IC910H all mode transceiver—**SOLD**; Heathkit Station monitor SV-614 —**SOLD**. Contact Joe Kent/W5UI at joew5ui@gmail.com or (325) 896-2038.

Kenwood TS-930SAT HF transceiver—**SOLD**; Mirage KS-1/440 70 cm preamp—**SOLD**; Icom AG-25 mast mount 2 meter preamp—**SOLD**; Cushcraft AP-8 8-band trap vertical with radial —**SOLD**. Contact Glenn Miller/AA5PK at aa5pk@outlook.com or (325) 949-4775 (evenings).

18HT Hy-Tower for \$150. Rohn 60' tower with winch, \$250. Both are located in Christoval.
Grady, K5EP, [325-716-0450](tel:325-716-0450)

Upcoming Hamfests

Date	Event	Location	Information
6/7-8/2013	Hamcom	Plano, TX	http://hamcom.org
5/11/2013	Hamfest	Benton, LA	http://www.qsl.net/nwlam/arcos.htm
6/29/2013	Big Spring ARC Hamfest	Bug Spring, TX	http://www.gsl.net/w5aw/
7/13/2013	ARRL Hamfest	Texas City, TX	http://www.tidelands.org

RECENT PROGRAMS

Dec '12	Christmas Dinner—Eatin Meetin
Jan '13	Scanner Jack/KB5TMY—Scanners
Feb '13	Tom/K40TM—Flying
Mar '13	Tom Dufresne/WB5MTR - High Voltage Safety
Apr '13	Repeater Relocation Discussion
May '13	Field Day Planning

HF Nets of Note de Gary Chaffin/W5ETJ

NET	DAYS	LOCAL TIMES	DIAL
Concho Valley Ragchew	M-T-W-T-F	1800 - 1900	3825
Texas Traffic Net	S-M-T-W-T-F-S	0830 - 0930	7285
7290 Traffic Net	M-T-W-T-F-S	1000 - 1200	7290
7290 Traffic Net	M-T-W-T-F	1300 - 1400	7290
Texas Traffic Net	S-M-T-W-T-F-S	1830 - 1930	3873
Central Gulf Coast Hurricane Net	S-M-T-W-T-F-S	1900 - 2000	3935
Texas ARES Net	Monday	1930 - 2000	3873
Big Bend Emergency Net	Sunday	0830 - 0930	3922
Texas Trader's Net	Sunday	0900 - 1000	7245

Emergency Communications

de Mike Dominy/KD5URW - Emergency Coordinator

Tom Green County ARES Net

Meets every Monday night at 8:30 CST (2030 hr) on the 444.350 MHz (PI 162.2) (N5SVK). The net can also be reached by EchoLink at WB5VRM-R or Node 412402. Other frequencies are announced on the Concho Valley Net at 8:00 pm.

ARES Net Report

Date	Net Ctrl	Check-ins	Time	Freq
4/22	KD5URW	11	16	444.350
4/29	KD5URW	12	15	444.350
5/6	KD5URW	10	14	444.350
5/13	KD5URW	8	12	444.350
5/20	KD5URW	12	18	444.350

Concho Valley Two Meter Net

Date	NCS	Check-ins	Duration
2/11	KB5TMY	17	16 min
2/18	KB5TMY	15	16 min
2/25	KB5TMY	15	15 min
3/11	KB5SBE	17	18 min
3/25	KB5SBE	11	9 min
5/6	KB5FNK	23	20 min
5/20	KB5SBE	15	15 min

This net meets every Monday night at 8 p.m. on the club's 146.94 repeater. All amateurs licensed to operate on that frequency are invited to par-

Concho Valley Open FM Repeat-

2 Meter		70 centimeter	
145.27-	San Angelo PL 88.5	441.750+	San Angelo PL 162.2
or PL 100.0 for local transmit		442.250+	San Angelo PL 162.2
146.72-	Eldorado PL 100.0	444.225+	Robert Lee PL 162.2
146.88-	San Angelo PL 88.5	444.350+	San Angelo PL 162.2 (Echo-Link Node)
146.94-	San Angelo PL 103.5	444.875+	Brady PL 162.2 Linked to 444.225+
147.06+	San Angelo PL 103.5		
147.34+	Robert Lee PL 88.5	147.30	San Angelo PL 88.5
146.90-	Brady PL 162.2		
147.30	Brady PL 114.8 (Echo-Link Node)		

Membership Renewal

Membership renewals are due in January 2013. Prices are as follows:

- Regular memberships: \$20
- Each additional family member: \$5
- Seniors (age 65+) and Juniors (under age 19): \$10
- Renewal package deal: 5 years for \$80
- Associate members: \$20



P.O. Box 4002
San Angelo, TX 76902-4002

Get all the latest club news on the World Wide Web
at www.w5qx.org

2013 SAARC Officers:

President - Tom Austin/K4OTM
 Vice President - Joe Kent/W5UI
 Secretary/Treasurer - Bob Freeman/KD5PIX
 Emergency Coordinator - Mike Dominy/KD5URW
 Activities Manager - Hughbert Robinson/KC5NPC
 Grounds Chairman - Marcus O'Quin/KF5GKC
 W5QX Trustee - Charlie Campbell/KC5EZZ

SAARC Monthly Meetings: 2nd Thursday,
1930, Clubhouse, 5513 Stewart Lane

Annual Dues: \$20, Sr. & Jr. \$10

The Kilo-What: Edited by Pete Norris/KJ5SS
325-617-4387, norrispeter26@gmail.com

Article submission deadline: Ten days prior
to monthly club meeting.



NEXT MEETING: 6/13/2013
PROGRAM: TBD

MATHIS FIELD CLUBHOUSE