

The Framingham Circuit

Newsletter of the Framingham Amateur Radio Association

March 2009, Vol. 76, No. 3

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Thursday, Mar 5 This Month's Meeting

We are having a joint meeting with the members of the MMRA (Minute Man Repeater Assoc.). Our speaker is Miles Mann, WF1F with a presentation on SSTV on the International Space Station.

Submitting Material to the Circuit

Material may be submitted for publication by sending it directly to the editor. This can be done by US Mail, or via the Internet (preferred). The deadline for each issue is the **Wednesday**, one week before the monthly meeting.

by mail

Robert Hess, N1UVA
178 Mountain View Ave
Bristol, CT
06010

by internet

circuit@fara.org

President's Message

Our February meeting drew a great crowd of 27 people! We were all treated to a video of the Peter I DXpedition by Jim, AE1C. He also mentioned how you don't have to be a "big gun" with all sorts of power and fancy antennas to work these DXpeditions. He worked Peter I on several bands and modes, all with 100 watts and wire antennas!

By the way, during the video, we saw/heard one of the CW stations working fellow FARA member Dave, K1HT!

Our new Emergency Coordinator, Alex, KB1JYD gave us a synopsis of his plans to get FARA on board with an EMCOMM program. We will be working with the Framingham Police in this endeavor.

This month is an extremely active one for FARA. First, on Saturday, March 14 we have our tour of a new antique wireless exhibit in Carlisle on the grounds of Antique Wireless Classified magazine. This is free and would be worth taking in. Everyone is invited, including non FARA members, so spread the word. We will also have a bite to eat after the tour. Email me if you are interested.

The following week (March 21-22) is our License in a Weekend course. Ed, W1NXC tells me that enrollment is fairly light thus far, so if you know of anyone who would be interested in getting into hamming, this class is the place to start. As I mentioned last month, our pass rate is in the 90th percentile, so we must be doing something right!

The next week, Sunday, March 29 is the FARA Flea Market at Keefe Tech. This is a huge event and we will need your help to make it successful, as you have in previous years. The flea market is FARA's main source of income for our activities and scholarships. We will be looking for people to assist in moving the club table gear from the shack to the school and helping sellers unload their equipment. We also need people to set up tables, take admission money and stamp hands of the buyers. Remember, all helpers get one free cup of coffee and donut!

Thanks to the efforts of Eric, KB1PJN, we now have our IRLP node up and running. Go to the FARA website for instructions as how to use it. Also, Eric has posted an "Active Member List" on the website showing all members whose dues are paid for 2009. If you do not see your name on this list, chances are your dues are not current. So, please check this out and pay your dues to become an "active" member. At \$15, FARA dues are a real bargain as most clubs charge anywhere between \$25 to \$30.

Our meeting this coming Thursday at the Framingham Police Station at 7:30 PM will be a special one. We are having a joint meeting with the members of the MMRA (Minute Man Repeater Assoc.). Our speaker is Miles Mann, WF1F with a presentation on SSTV on the International Space Station. This sounds like a unique topic, so please make every effort to attend and meet the gang from MMRA!

2009 Scholarship Rules

1. Must be a member of FARA.
2. Applications must be turned in or post marked by April 15, 2009.
3. Must be a license radio amateur.
4. Preference will be given to graduating high school seniors.

For applications contact Richard Cosma AA1VI 508 877 8241

Or scholarships@fara.org

Technically Speaking

By Charlie, WA3ITR

Originally printed in the Wellesley ARS Sparkgap

This is the first in a series of articles. Its purpose is to be fun, to be educational, and to be a bit thought provoking. It might even encourage you to explore other aspects of amateur radio!

Answers on next page

Good Luck !

1. What is the highest percentage of modulation desirable in an amplitude-modulated rf amplifier ?

- a) 50 b) 100% c) 150% d) 200%

2. In what part of the radio spectrum is the ground wave the principal mode of propagation ?

- a) UHF B) HF C) 10-20 MHz D) Below 30Mhz E) None of the above

3. What does a facsimile transmission produce ?

- a) tone-modulated telegraphy
b) a pattern of printed characters designed to form a picture
c) printed pictures by electrical means d) moving pictures by electrical means

4. What type of emission is produced when an FFM transmitter is modulated by a facsimile signal ?

- a) F3C b) A3C c) F3F d) A3F

5. What is emission A3F ?

- a) RTTY b) Television c)SSB D) Modulated CW

6. How are FM-phone signals detected ?

- a. with a balanced modulator
b. with a frequency discriminator
c. with a product detector
d. with a phase splitter

7. What is an L-network?

- a. A network consisting of 4 inductors
b. A network consisting of an inductor and a capacitor
c. A network used to generate a leading phase angle
d. A network used to generate a lagging phase angle

8. What type of network provides the greatest harmonic suppression ?

- a) L-network b) Pi-network c) PI-L network d) Inverse Pi-network

9. What are the 2 swtable operating conditions of a silicon controller rectifier (SCR) ?

- a. Conducting and nonconducting b. Oscillating and quiescent
c. Forward conducting and reverse conducting d. NPN conduction and PNP conduction

10. What is the name given to an impurity atom that adds holes to a semiconductor crystal structure?

- a. insulator impurity b. N-type impurity
c. acceptor donor d. donor impurity

Morse Code Seminar

Date: April 11, 2009

Location: Club shack

Time: 9:00 am to 12 noon

Sponsor: Framingham Amateur Radio Assoc.

Featuring equipment displays and demonstration. Come and practice sending with straight keys, bugs and paddles. There will be receiving contests with actual FCC type exams –See if you can still copy 5, 13 or 20 wpm. Hear the clicks of Western Union telegraph sounders and try to decode them.

This seminar will be hosted by Sumner W1VIV ex-Navy Radio operator and Ed W1NXC ex-Merchant Marine radio operator. Prizes and certificates will be awarded to Participants and a special code aptitude test will be Given to non-Hams, to find out if they could learn Morse Code with little difficulty.

Everyone Welcome! No entrance fee! No age limit!

***FCC TECH LICENSE
IN ONE WEEKEND!
No Code Required!
Dates: March 21, 22, 2009***

Fee: \$42 (Includes lunch Sat & Sun, text, FCC exam fee)

Sponsored by: Framingham Amateur Radio Association

Location: Club Radio Room in basement of Danforth Museum, Lexington St Framingham Ma

Class Schedule

Saturday 9 am to 5 pm Sunday 9 am to 4 pm

FCC Technician license exam on Sunday 2 pm

Sign up Now! Call Ed W1NXC at 508-881-2301

Or e-mail W1NXC@arrl.net

PRE-REGISTRATION REQUIRED!

LIMITED FREE OPENINGS FOR BOY AND GIRL SCOUTS

Send check for \$42.00 to E.A. Weiss 40 Cutler Dr Ashland Ma 01721

Answers to Quiz on page 2:

1)B 2)E (gnd wave is useful below 5Mhz) 3)C 4)A 5)B 6)B 7)B 8)C 9)A 10)c


Scoring : 0-2 Novice / 3-5 General / 6-8 Advanced / 9-10 Extra

FARA Horizons

- March 5: Joint meeting with MMRA group at FARA;
 Speaker: Miles Mann, WF1F on SSTV on the ISS
- March 7-8: ARRL SSB DX Contest
- March 11: FARA VE Session
- March 14: Field Trip to Antique Radio Museum in Carlisle.
- March 21-22: License in a Weekend
- March 29: FARA Flea Market
- April 2: (MEETING) Dom Mallozzi, N1DM on Antennas
- April 11: Morse Code Seminar
- May 2-3: New England QSO Party
- May 7: (MEETING) Pizza Party
- June 4: Fox Hunt and talk on Fox Hunting by Kevin Paetzold K1KWP
 Election of Officers
- June 27: Field Day

This month's Circuit sponsored by:

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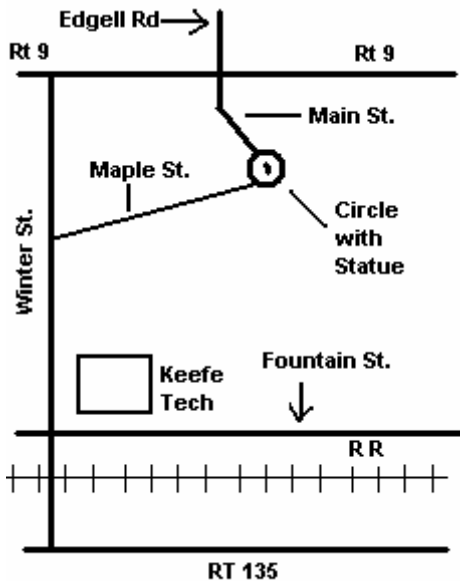
FRAMINGHAM FLEA

Sunday, March 29, 2009

Hours 9AM to 1 PM

Door Prizes - Grand Prize: NEW 2M HT!

Buyers \$5 - Under 12 free with adult!



Directions

KEEFE TECH SCHOOL (keefetech.org)

750 WINTER ST Framingham, MA

Take the FRAMINGHAM CENTRE/STATE COLLEGE exit off Rt.9, then SOUTH on MAIN St.(0.2 mile) to the circle with the statue.Turn right on Maple St.(first exit from circle).Follow Maple St.(0.7 mile) to the end and turn left onto Winter St. School parking lot is 1.2 miles on the left. Keefe is also accessible from Rt 135. Take the bridge over the R R tracks at Winter St. Cross Fountain St. and continue on Winter St. The School Parking lot is on the right (0.1 mile).

TALK-IN 147.15 +

For more info, check our web site: fara.org/flea

HAM LICENSE EXAMS

Exam Info call: Jim 508-435-6487

| | |
|---|---|
| <p>Sellers Info Bev 508-626-2012 (Before 9:00 pm) 6 foot table + 1 admission \$20 in advance, \$25 at the door Setup - 7:30 AM Free coffee and donut AC power available Load/unload assistance available</p> | <p>For advance table reservations, send this form and a check to: FARA, POB 3005, Framingham, MA 01705 Enclosed is a check for \$_____, for _____six foot tables at the FARA FLEA MARKET. Name_____Call Sign_____ Address_____ City_____State_____Zip_____ Phone(_____)_____Email_____ <p style="text-align: center;">REMAINING SPACES ARE \$25 AT THE DOOR</p> </p> |
|---|---|

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Club Information 2009

| | | | | |
|------------------------|-------------------|--------|--------------|-----------------------|
| President | Gordy Bello | K1GB | 781-891-5572 | president@fara.org |
| Vice President | Leo Cantin | WA1HAM | 508-877-3319 | vp@fara.org |
| Secretary | Steve Hewlett | KB1NIV | | secretary@fara.org |
| Treasurer | Tom Malloy | N1FTB | 508-655-0392 | treasurer@fara.org |
| Director | Bev Lees | N1LOO | 508-626-2012 | director@fara.org |
| Director of Training | Ed Weiss | W1NXC | 508-881-2301 | |
| Director of Testing | Jim Weckback | W1EQW | 508-435-6487 | testing@fara.org |
| Publicity Coordinators | Joe Weisse | W1HAI | 508-654-9999 | w1hai@arrl.net |
| Emergency Coordinator | Alex Sayegh | KB1JYD | | |
| Activities Director | Gordy Bello | K1GB | 781-891-5572 | vp@fara.org |
| Scholarship Comm. Ch. | Dick Cosma | AA1VI | 508-877-8241 | scholarships@fara.org |
| Newsletter Editor | Robert Hess | N1UVA | 860-227-9188 | circuit@fara.org |
| Webmaster | Sharon Gartenberg | KC1YR | 508-877-6692 | webmaster@fara.org |

Meeting: Club meetings are normally held on the 1st Thursday of each month at 7:30PM in the basement of the Danforth Museum, on Lexington St.

Club Nets: FARA Net: Sunday, 7:30PM, 147.75/147.15 - social/chat, ARES preparedness

Club Station: W1FY, the club station and shack, is open Saturday mornings from 8:30-12:00. Call the club number, 508-879-8097 to confirm.

Club Web Site: <http://www.fara.org>