

XEROX**Amateur Radio NewsLetter****TO**

Distribution

FROM

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SUBJECT

General Newsletter

DATE

Mar 11, 1988

The next meeting of the Xerox Amateur radio club will be Mar 17, 1988 at 1700 hours in building 337 conference room B. The business meeting will start promptly at 1700 and Mike Poleshuck will discuss **How to convert a 49 MHz FM CB handi talki for use on 6 meters** at 1730.

Minutes of last Meeting: (Feb)

Meeting called to order at 1700.

Treasurers Report:

\$50.00..savings \$259.22..checking \$10.00..cash for a total of \$319.22.

Checks issued: \$8.61 to Emerson Ironside to initialize the coffee/cookies kitty. \$45.22 for purchase of call books.

Minutes of previous (Jan) meeting: voted not to be read as they are included in every newsletter.

Emerson Ironside provided coffee and cookies for tonights meet...thanks Emerson.

Repeater Committee report:

We are re-installing the phone answering machine and will have 2 codes to record and dump messages: to play back all messages, encode 508 --the repeater will acknowledge with Morse "r,r,r" then you encode * The messages will played back at this time. At the end of the last message, it will signal you with a Morse "e,e,e" then a 5 second pause then another "e". Then encode #50. The repeater will respond with morse "clr" to acknowledge the it is back in the normal repeater mode. You may encode #50 at any time to clear the repeater of transmitting messages, however, if the message tape has not completed, it will still continue. It is automatic in that when it senses the 3 e's, it will re-wind, you don't have to worry about it. Remember, the repeater time-out has been set for 3 minutes, so if the taped messages are longer

than that, you will miss some of them. Pete will control message growth by deleting the message tape periodically. To leave a message, encode **504** -- the repeater will respond with "*r,r,r*" you then encode * and leave your voice message. When finished, encode another *. The tape machine will send a long morse "*t*" you then clear by encoding **#50** the repeater will respond with "*clr*".

The system is not up yet, but will be shortly, Pete will inform us when it is ready.

Reminder, the outgoing message tape phone number is 423-31352.

Long range planning committee report:

Ed McKenna is getting in touch with WB2ERS to find out what is required to connect into the interplex system operating on 220/440. This is a system where you can encode a number on your hand held keypad and link to various parts of NY, NJ states and possibly to Canada. We have a lot of questions yet to be answered in terms of equipment and cost, who knows, but if all goes well, we may be linking from Watertown to Buffalo with fixed hi-gain antennas.

Packet Report: -- no report

Special Events report:

Bob Karz advises that field day is the last week in June.

The Webster Junior High School is running a novice class at this time will should have several new novices by the time field day arrives. Does the club want to invite the WJHS novices to join us? This will give us many more operators and nothing can touch the enthusiasm or energy level of a bunch of teenagers.

Bob wants us to operate the stations round the clock. Please help if you can.

Membership & Training:

Dick Germain, Lou Kohnen and Bob Freiburger have started code and theory classes Feb 22. They have 13 students. The classes meet twice a week over the noon hour and will continue for 10 weeks. The students have been advised that they can take the test anytime they feel ready, there is no waiting period and no penalty if they don't pass. They may also take the Technician class license if they choose.

Old Business:

The new call books are purchased and are now in the TIC. They are listed as reference only. The TIC also points out that they purchase a new ARRL handbook every year.

It was decided at the meeting to remove the two meter gear and connect the vertical antenna for novice and other hi freq use.

The incident in which one of our members was asked to leave the room during the noon hour has been resolved. We may use the club room whenever we want it, except when it is in use by another group. It should be noted that the LTQ people have booked the room for a few of the lunch hours. We will get their schedule so there will be no misunderstandings in the future.

New Business:

We should consider a 5 band dipole for novice use here at the 337 station.

We are going to try and run more coax cable from the station to the roof. We are also looking at the possibility of getting a telephone cabinet to be installed upstairs so we can install breakouts for various antennas and control cables for rotors and maybe VHF linear amplifiers to overcome cable losses.

We are now required to inventory all our equipment with a description of what it is, where it is located and a serial number, if any. XRA will keep a current copy of the inventory list for insurance purposes in case of theft or damage to XARC equipment.

It is imperative that we have formal documentation of all the equipment which we own including: original manuals, codes, schematics, wiring diagrams etc. This is especially important for equipment which has been modified or for equipment which has been built by members and donated to the club. Basically, this is to guarantee that club won't suffer should that person who was initially responsible for the change or modification be unable to repair the item for whatever reason. Both the inventory lists and manuals etc be turned into the club secretary. They will be put in a locked filing cabinet located on the premises. Club officers will have access to the cabinet. Any modifications to the hardware will require that whoever modifies it will be responsible for appropriate documentation in a timely manner.

Equipment which has been *loaned* to the club by individual members must also be inventoried and documented as such.

We will establish a fund in which to either replace or purchase that equipment from said individual so the club will eventually own 100% of it's equipment.

Meeting adjourned at 1745.

Mr. Jim Taylor, Xerox Corp Retired.. gave a 45 minute talk on **75 Meter Antennas..Fact and Fiction**

Jim's expertise goes back over twenty years experience. His expertise is mostly due to his wife. She made him cut back on his hobbies,so.. he cut back operation on all the bands except 75 meters. Jim has several publications regarding 75 meter antennas in various amateur magazines and has come to be an authority on the subject.

Hilites of the talk included:

75 meters is always open, which is one of the reasons he picked 75. Losses can be considerable, but not from cable, transmitter, or tuner..but from the ground.

He covered the decibel and what it means in terms of power losses (or gain). Remember if you lose 3 db, you are losing *half* your power. 10db is 90% of your power gone.

The efficiency of antennas was covered in terms of hi dipoles (60) feet.. the reference, low dipoles (12) feet ..10db down, and verticals on automobiles.. 20db down (99% of the power is absorbed into the ground).

Jim told us how to get a power advantage from a mobile antenna and his favorite, the two element phased array mounted 60 feet up.

His talk was interesting and informative, we hope he will speak to us again in the near future. ** I have copies of some of Jim's publications: "*The Mobiloop*", "*Foreshortened Balanced Loop*", "*The Basic Dipole*", "*2 Element Phased Array*", "*Vertical Phased Array*", "*COCOA -Colinear-coaxial Array*". In addition I also have a list of 24 Ham publications by Jim. If you want a copy, let me know.

We will hear a talk about the other end of the spectrum in April when Gene Parker speaks on VHF and UHF propagation links..

NEWS

A new distribution list (dl) has been set up for distribution of this newsletter, and correspondence between members or other interested groups as long as it is regarding Amateur Radio. .. **XARC:All Areas:Xerox** you may add yourself by using maintain or if you don't know how, I will add you. If you get this newsletter electronically, you are already a member of the dl.

If you should use the repeater for dialing 911 or other valid emergency, please call me (Jim Lannom) 422-2603 and let me know the details. I want to keep an informal log of emergency traffic for ammunition in case we need additional justification for the repeater, the repeater site, or the phonepatch system. I have a telephone answering machine which will answer on ring #4 so you may call anytime.

This month we welcome the XARC of El Segundo and Charles Hall, president. We will try to QSO via hi bands when we get our HF equipment in order.

SPECIAL EVENTS

WANT ADS

None this Month

DISCLAIMER;

If you have something to add to this newsletter, something to sell, complaints or flames, call me at 22603, or send me a note to 114-20D, or send me an electronic note to Jim Lannom:Wbst128:Xerox on the NS or to Lannom.Wbst on the grapevine.

73

Jim WA2IRT