

The Ancient Modulators Club CONSTITUTION



"Dedicated to the restoration and preservation of AM Radio"

ESTABLISHED 2004

"Founded by Paul Allen Schlipp KØRWU"

CLUB STATION CALL SIGN KØAMC

Original Draft March 2, 2004 written by: Paul Allen Schlipp KØRWU

This original draft of "The Ancient Modulators Club" Constitution, and By-Laws, was amended, and voted on, for approval, by the original club charter members, and signed by the appointed officers, at the club's first meeting, on March 20, 2004.

Club Approved Amendments to this Constitution, and it's by-laws

First Amendment approved	March 20, 2004	written by KØRWU
Second Amendment approved	April 05, 2004	written by KØRWU
Third Amendment approved	December 18, 2004	written by KØRWU
Fourth Amendment approved	March 11, 2006	written by KØRWU
Fifth Amendment approved	January 30, 2011	written by KDØEPA
Sixth Amendment approved	April 20, 2013	written by KDØEPA

PREAMBLE

We, the under signed, wishing to secure for ourselves the pleasures and benefits of the association of FCC licensed amateur radio operators, commonly interested in amateur radio employing AM and FM modes for repeater operations, as well as AM, FM, CW, and SSB for simplex operations, constitute ourselves "The Ancient Modulators Club", and also to be known as "The Ancient Modulators Amateur Radio Club, abbreviated, "AMC" or "AMARC", enact this constitution as our governing law.

It shall be our purpose to so conduct club programs, and activities, as to advance, and spark the general interest in amateur radio equipment, and operating modes of yester year.

It shall also be our purpose to further exchange information, and cooperation, between members, and to promote radio knowledge, fraternalism, and individual operating efficiency.

Last, but not least, to maintain amateur radio repeater systems that will be of benefit to the general amateur radio community, and as well, that can be used for emergency, and weather warning, radio communications, in and for the community.

Charter Members Attending First Meeting

KØRWU	Paul A. Schlipp	749 Tree Top Ridge Drive, Valley Park, MO 63088
KCØEOC	Robert M. Fach	1248 Crooked Creek, Saint Charles, MO 63304
KGØDG	John Berchin	1020 Clatterri Drive, Ballwin, MO 63011
K9IDB	Clark A. Johnson, Jr.	937 Barbara Ann Lane, Ellisville, MO 63021
KC9FLM	Scott B. Zerban	2613 Elmwood Court, Columbia, IL 62236
NØJNC	Arthur H. Bode, Jr	1023 Rose Hill Lane, Ellisville, MO 63021
NØLDA	Cecil F. Wesp	294 Brightfield Drive, Ballwin, MO 63021
NØMPD	Adrian A. Roybal	3954 Summer Forest, Saint Charles, MO 63304
NØWC	Andrew Ritter, Jr.	308 Adayah Drive, Arnold, MO 63010
NVØH	Robert R. Suerig	1173 Fairview Drive, Ellisville, MO 63011
WAØQQD	John J. Reed, Jr.	105 Clear Creek Dr, O'Fallon, MO 63366
WAØZPD	Richard Riley	5217 Roberta Drive, High Ridge, MO 63049

Charter Members Applications Approved, But Not Attending First Meeting

KØLXW	Lynn A. Willson	614 North Columbus, Pacific, MO 63069
KØRWW	Richard Fitzmaurice	150 Brook Hill Lane, Troy, MO 63379-3465
KBØQJX	Janis Miller	315 Meadow Ridge Lane, Pacific, MO 63069
NØPKX	David A. Miller	315 Meadow Ridge Ln, Pacific, MO 63069
WØBDR	Bernie Reese	1111 Robindale Drive, Fenton, MO 63026

NDØW Sam DeLia 6601 Fyler, St. Louis, MO 63139 Added to Charter Membership on 03-11-07 as per club vote.

Appointed First Term Club Officers For Year 2004 and 2005

PRESIDENT	NØWC	Andrew Ritter, Jr.
VICE-PRESIDENT	NØMPD	Adrian A. Roybal
SECRETARY	KCØEOC	Robert M. Fach
TREASURER	KCØEOC	Robert M. Fach
NET CONTROL	NØWC	Andrew Ritter, Jr.
STATION TRUSTEE	KØRWU	Paul A. Schlipp

Article I MEMBERSHIP REQUIREMENTS

- A. All licensed amateur radio operators shall be eligible for membership.
- B. Membership shall be by application, and election.
- C. All applicants should have some interest in FM, and AM, simplex and repeater modes of operation.
- D. An interest in operating, as well as restoration of, older AM radio equipment would be good, but not necessary.

E. All applications for new membership will only be accepted by a 100% “favorable” vote of the members present, at any meeting, (with a minimum of 6 members in attendance required, unless there are less than 6 members on the membership roster) or by e-mail ballot. In the event that there is less than a 100% favorable vote, the final decision to accept or reject the applicant will rest with an executive committee consisting of all elected officers.

F. All applicants and members are required to maintain a valid amateur radio operator license of any class.

G. Any club member may resign from membership.

***Article II* MEMBERSHIP TYPES**

***Section 1* CHARTER MEMBER**

1A. A Charter member is one of whom originated the club.

1B. A Charter member has all club privileges.

1C. A Charter member is required to pay dues.

1D. A Charter member may only be dismissed from the club for not paying dues, or causing serious harm to the club or its members.

1E. A Charter member could resign from membership.

***Section 2* REGULAR MEMBER**

2A. A regular club member must be elected to membership.

2B. A regular club member has all club privileges.

2C. A regular club member is required to pay dues.

2D. If the club so deems by election, he could be dismissed.

2E. A regular club member could resign from membership.

***Article III* DISMISSAL**

Any club member, may be considered for dismissal from membership for any of the following reasons.

***Section 1* DISMISSAL REASONS**

1A. Not maintaining their amateur radio license.

1B. Not paying dues or assessments.

1C. Not using proper procedures, or language, when using the repeaters.

1D. Not following the FCC rules and regulations.

1E. Not abiding by the Constitution, or its By-Laws.

1F. Any action by a member or members, the club officers or members considered to be

inappropriate

***Section 2* DISMISSAL ACTIONS**

- 2A. Step 1** - The Vice-President or a committee appointed by the Vice-President shall be convened to investigate any club member considered for dismissal. They shall try to resolve the problem if at all possible.
- 2B. Step 2** - All club members are notified by e-mail, of the intent, and reason, to dismiss a member.
- 2C. Step 3** - The Vice-President or committee will give a report to the membership, at the next meeting, or by e-mail.
- 2D. Step 4** - A club member may only be removed from the club by a vote of 80 Percent majority vote of the total membership in attendance, or by proxy vote, at a special meeting called for this specific purpose by the AMARC Board, with all club members having been duly notified of such vote in advance. Such meetings shall not be conducted on the air. Simple non-payment of dues shall not require such a vote.
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***Article IV* CLUB MEETINGS**

- A.** Notice shall be posted on our club web site of a designated meeting place, and date for all club meetings, and picnics, along with a brief description of the business to be transacted.
- B.** At all meetings, a minimum of 60 Percent of the membership in attendance shall constitute a quorum for the transaction of club business.
- C.** At all meetings, a minimum of six club members shall constitute a quorum for the transaction of membership applications.
- D.** All club meetings will be governed by the President's discretion.
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***Article V* CLUB MEETING TYPES**

***Section 1* REGULAR MEETINGS**

- 1A.** The President, and the officers of the club, will conduct the regular meeting.
- 1B.** A formal regular meeting is to be held at least once a year for the purpose of electing officers for the up coming term, and informing the membership of general business, treasury, club radio systems, and club web site reports.
- 1C.** Other business may also be conducted.
- 1D.** A regular meeting could be held at a club picnic.

***Section 2* NET MEETINGS**

- 2A.** Net meetings will be held on the repeater, in the form of a net meeting operation.
- 2B.** At the present time, these meetings are held on one of the clubs repeater systems as the by-laws shall provide.
- 2C.** The Net Control Officer will conduct the meeting, but the President, if present, will preside over the meeting.
- 2D.** This meeting will be to promote Amateur Radio, share information, and to conduct minor business.

2E. After all business is completed, an informal swap net may be conducted, as well as a round table chat.

2F. Any, and all, membership problems will not be discussed "On the air". If you have a problem, contact the club Vice-President for advice, or wait until the next regular meeting.

***Section 3* SPECIAL MEETINGS**

3A. The purpose of a special meeting could be for any appropriate or important reason the President so deems necessary.

3B. A special meeting may be called by the President, or if he so deems necessary, upon the request of any club member.

***Article VI* CLUB PICNICS**

A. Notice shall be given to all members of a designated club picnic place, and date, along with a brief description of the business, if any, to be transacted.

B. Members should be notified as to what food and drinks will be available, what activities will be taking place, and any items they may need to bring along.

C. A regular meeting may be combined with a club picnic.

***Article VII* DUES**

A. The club, by majority vote of those present at any meeting, may levy upon the general membership such dues or assessments, as shall be deemed in the Constitution By-laws, as necessary for the business of the club, within its objects as set forth in the preamble.

B. Non-payment of such dues or assessments shall be cause for expulsion from the club.

***Article VIII* CLUB RULES**

A. The club officers, and club members, will decide all club rules and regulations.

B. All club adopted rules and regulations will be entered into the By-Laws.

***Article IX* CONSTITUTION AMENDMENTS**

A. This Constitution, or its By-Laws, may only be amended by a 80 Percent majority vote of the total membership in attendance, or by proxy vote with a minimum of 10 members in attendance required, unless there are less than 10 members on the membership roster with all club members having been duly notified of such vote in advance.

B. Proposals for amendments may be voted on at a net meeting, a regular meeting, or by a email vote, provided all members have been notified of the intent to amend the Constitution.

C. Those club members, or club officers not able to attend the meeting, must mail, or email their proxy vote to one of the attending club officers.

***Article X* CLUB OFFICERS**

A. The officers of this club shall be:

PRESIDENT, VICE-PRESIDENT, SECRETARY, TREASURER, NET CONTROL(s), STATION TRUSTEE(s) and INTERNET WEBMASTER(s).

B. The officers of this club shall be elected to office for a term of two (2) years, by ballot of the members present, provided there is a quorum, with the exception of the Station Trustee(s) and Internet Webmaster office, which may be held indefinitely, depending on the clubs needs. There may be additional Net Control Officers, Station Trustees, and Internet Webmaster(s) elected during a given term, depending on the club needs.

C. First term officers will be elected for a term to include the remainder of the year 2004, and the following year 2005, to set the term period from January 1 to December 31 of each following year.

D. Vacancies occurring between elections must be filled by election at the next regular meeting following the officers withdrawal, or resignation.

E. A club member may hold up to two offices for a given term. He may be re-elected to any office for a second term.

F. Officers may be removed by a 80 Percent majority vote of the total membership in attendance, or by proxy vote, at a special meeting called for this specific purpose by the AMARC Board, with all club members having been duly notified of such vote in advance. Such meetings shall not be conducted on the air.

***Article XI* OFFICERS DUTIES**

***Section 1* THE PRESIDENT**

1A. The President shall preside at all meetings of this club, and conduct same according to the rules adopted.

1B. The President shall assure observance of this constitution, and its by-laws. He shall decide all questions of order; sign all official documents adopted by the club, and perform all other duties pertaining to the office of the President.

1C. At the time of his election to office, The President shall designate a quarterly meeting time and place.

1D. The President shall work with the other officers in assuring that at least one club picnic time and place is scheduled for that year.

1E. The President shall be responsible to form committees, when needed.

1F. The President shall at the expiration of his term, turn over all items, belonging to the club, to his successor.

***Section 2* THE VICE-PRESIDENT**

2A. The Vice-President shall assume all duties of the President in his absence.

2B. The Vice-President shall be responsible for observing that all club officers and committees are completing their assigned jobs.

2C. The Vice-President shall assist the President as much as possible.

2D. The Vice-President shall receive any and all complaints from members, and take action on same.

2E. The Vice-President shall at the expiration of his term, turn over all items, belonging to the club, to his successor.

Section 3 THE SECRETARY

- 3A. The Secretary shall be responsible for maintaining the cumulative records of all club meetings.
- 3B. The Secretary shall carry on all correspondence, and read communications at all meetings.
- 3C. The Secretary shall maintain the club roster, and membership applications.
- 3D. The Secretary is to keep the original club Constitution, and By-Laws, for safe keeping.
- 3E. The Secretary is to have a copy of the latest, amended Constitution with him at every meeting.
- 3F. The Secretary is responsible to maintain and preserve the club computer and its information.
- 3G. The Secretary shall at the expiration of his term, turn over all items, belonging to the club, to his successor.

Section 4 THE TREASURER

- 4A. The Treasurer shall be responsible to establish, and maintain, a club checking account.
- 4B. The Treasurer shall receive, and administer receipts, for all monies paid to the club.
- 4C. The Treasurer shall be responsible to keep an accurate and separate account of all monies received, and expended.
- 4D. The Treasurer shall pay no bills without proper authorization from a business committee, consisting of the club Officers, except for pre-approved or time sensitive bills.
- 4E. Upon request of the club officers, The Treasurer shall submit an itemized statement of all disbursements, and receipts.
- 4F. The Treasurer shall issue and receive membership applications, deposits, and record initial application fees.
- 4G. The Treasurer shall forward all completed, and paid, applications to the Secretary for voting, and safe keeping.
- 4H. The Treasurer shall submit dues, and assessment statements to the membership as required in the by-laws.
- 4I. The Treasurer shall notify the Secretary of club members failing to maintain their dues.
- 4J. The Treasurer shall at the expiration of his term, turn over all items and monies, belonging to the club, to his successor.

Section 5 THE STATION TRUSTEE

- 5A. The club station trustee shall be responsible for maintaining the club radio systems, and club station licenses.
- 5B. At the time of his election to office, the club station trustee shall affirm that the club repeaters, and equipment, are in satisfactory operating condition, and comply with current FCC rules and regulations.
- 5C. The club station trustee shall affirm that all repeater systems are co-ordinated with the Missouri Repeater Council, Inc., and submit all changes at least once a year.
- 5D. The club station trustee shall be responsible for all communication protocol used on these systems.
- 5E. Without approval from the membership, the club station trustee may, at his discretion, make changes to the following club CONSTITUTION BY-LAWS:

Technical entries appearing in the By-Laws, such as club repeaters and frequencies, CTCSS tones, Simplex frequencies, radios, and antenna systems may be altered and updated at any time what so ever, by the station trustee,

with no vote or further action required from the club or its members, in order to maintain an accurate and current representation of the status of club equipment.

5F. Notice of these changes should be submitted to the Club Membership at the next regular meeting, and posted in the Constitution and By-Laws on the club web site.

5G. Any club member not in agreement with the Station Trustee technical changes may discuss them with the Club Vice-President, and/or Station Trustee for possible corrections.

Section 6 THE NET CONTROL OFFICER

6A. At each net meeting, on the assigned date, time, and frequency, the net control officer, shall be responsible for taking the members roll, or calling for member check-ins, and conducting the meeting in an informal, but orderly manner.

6B. All check in members should be informed of any new club business, and or radio system updates, and that any member complaints will not be discussed on the air, but to submit them in writing, to the vice-president.

6C. All members should be asked for any commits, and/or suggestions for modifications, or improvements.

6D. The net control officer is responsible for conducting an on the air vote, for any un-processed membership applications. The vote requires a yes from all club members present, and at least six members to be present.

6E. A general call should be made for new check-in stations. All new stations should be informed of the club's activities, intentions, and radio frequencies used. They should be asked if they would like to join our club.

6F. The net control officer shall send to the secretary, if not present at the meeting, a list of check-in club members, a list of non-member check-in stations with interest in membership, Any new or old business transacted, and the voting results of all new applications.

Section 7 THE INTERNET WEBMASTER

7A. The club internet webmaster shall be responsible for maintaining the club internet web site.

7B. At the time of election to office, the club internet webmaster shall affirm that the club web site is in satisfactory condition.

7C. The club internet webmaster will be responsible for updating all club adopted Constitutional amendments, changes, and additions to be noted on both the internet Constitution and By-laws, and the downloadable Constitution and By-laws pages.

7D. The club internet webmaster will be responsible for maintaining both the internet web pages, the download pages, the posting of the internet Club Membership Lists, and the downloadable membership lists in a timely fashion.

7E. The club internet webmaster will be responsible for maintaining both the club membership's personal information pages, and swap shop web pages.

7F. The club internet webmaster shall be responsible to maintain the AMARC club web ring and its applications.

7G. The club internet webmaster shall be responsible to maintain all the repeater and frequency information, listed in the By-Laws as directed by the club station trustee.

THE ANCIENT MODULATORS CLUB BY-LAWS

Section 1 NEW MEMBERS

A. The Constitution and By-Laws, as well as the membership list and membership application, can be downloadable from our club web site located at: <http://www.qsl.net/k0amc>

Section 2 DUES

A. A regular yearly assessment of dues, in the amount of \$20.00 per member, will be assessed on the first of the year, in accordance with the provisions of article VII of the Constitution, for the purpose of providing funds for club expenses.

B. For new applicants, a \$20.00 assessment of dues will be assessed with the application if processed between January 1 and June 30, or a \$10.00 assessment of dues with the application if processed between July 1 and November 30, or a \$20.00 assessment of dues with the application if processed between December 1, and December 31, for the following calendar year. If the applicant is not approved, this assessed fee will be returned.

C. There is a special \$10.00 a year dues for any club member's family member, living at home, that are using the club repeaters.

D. If more dues are received than required, from any given member, the difference will apply to their next year's dues, or refunded, at the members request.

Section 3 PAYMENT OF DUES AND ASSESSMENTS

A. All payment of dues and assessments will be sent to the club Treasurer. Checks are to be made out to: "The Ancient Modulators Club"

Section 4 COMPLAINTS

A. Any club member wishing to complain about any other club member, station equipment, club policy, activities, or business transactions, should contact the club Vice-President.

B. Any complaints of great importance should be submitted in writing.

C. We encourage all members to complain of anything club related, and not to their liking, so improvements can be made.

Section 5 SUGGESTIONS

A. The club is always open to suggestions for improvement or modification.

B. If you have any good ideas, please present them at any meeting.

Section 6 MEMBERSHIP ASSISTANCE

A. This club shall enact appropriate rules to minimize interference between stations of our members.

B. It shall formulate adequate plans for disposition of any cases of interference to other radio services, where reported as caused by any amateur station in the area of club jurisdiction.

C. The club shall provide concerning equipment designs, and shall assist in frequency observance, clean signals, uniform practice, and absence of spurious radiation from club, and club member stations.

Section 7 CLUB RECORDS

The club must maintain the following records:

- A. The original Constitution and it's By-Laws.
 - B. A copy of all the past, and to include the latest, Amended Constitution's and their By-Laws.
 - C. A copy of all the past, and to include the latest, listing of all club officers.
 - D. A copy of all the past, and to include the latest, listing of all club members.
 - E. All active and inactive membership applications.
 - F. A register of all club monies received, and disbursed, showing who, why, when, and balance.
 - G. A separate register for each club member showing his payment record.
 - H. All minutes, and membership roll call, from all meetings.
 - I. All letters received, and copies of all letters sent.
 - J. All club radio licenses, and copies of all club license applications.
 - K. A current copy of the FCC and ARRL rules regarding repeater operations.
 - L. A list of all radio interference complaints, and corrective actions.
 - M. A list of all club equipment, serial numbers, and location.
 - N. A list of all membership complaints, corrective actions, and dismissals.
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Section 8 CLUB MEETINGS

REGULAR MEETINGS

- A. At the present time we have 4 Regular meetings. These meetings are to be scheduled, by the President, for the months of March, June, September and December.
- B. Elections of Officers for the upcoming term will be conducted at December meetings.
- C. Treasury reports are to be presented at Regular Meetings only.

NET MEETINGS

- A. At the present time we have a weekly net meeting, held on the Dual Band 146.925/444.550 mhz club repeater at 20:00 CST, on every Sunday evening.
- B. The Net Control Officer will conduct the meeting, and the President, if present, will preside over the meeting.
- C. The purpose of our club Net Meetings is to inform the membership of any new and/or old club business, and to conduct minor business, and vote on new membership applicants.
- D. After all business is complete, a general round table chat, as well as an informal swap net may be conducted.
- E. A Treasury Report will not be conducted "On the air" during a Net Meeting. Purchases may be discussed, and a estimate of club funds to cover the purchase only may be mentioned.
- F. Any, and all, membership problems will not be discussed "On the air". If you have a problem, please contact the club's Vice-President for assistance with such matters.
- G. Before or during a net meeting, if the 2 meter repeater goes down, please switch to 2 Meter Simplex 146.49 FM.

Section 9 CLUB ROUND TABLE NETS

- A. The club has 2 round table nets, beside the Net Meeting.
 - B. At the present time we have a weekly net, held on the 50.400/50.500 mhz AM club repeater at 19:00 CST, on every Sunday evening. That net lasts until 20:00 CST. Members are encouraged to check in on 6 meters AM first and UHF as a second choice.
- Note:** Before or during a 6 meter net, if the 6 meter repeater goes down, please switch to 6 Meter Simplex 50.350

AM or to our 2 meter repeater.

C. At the present time we have a weekly net, held on 28.350 mhz USB using the club 449.850 remote base repeater at 19:30 CST, on every Wednesday evening. That net lasts until finished. Members are encouraged to check in on 10 meters first and UHF as a second choice.

Section 10 CLUB EQUIPMENT AND REPEATER MAINTENANCE

A. Maintenance of equipment may be performed by any club member with sufficient knowledge of the equipment.

B. Any repeater or remote base station maintenance, modifications, alterations, adjustments, etc, must be done by, or under the supervision or permission of, the club station trustee officer.

Section 11 CLUB REPEATER AND REMOTE BASE SYSTEM INFORMATION

REPEATER SYSTEM 1

This is a dual repeater, or back-to-back, system operating on six meters "AM" and 70 cm FM.

This system is a split site repeater on six meters, with the six meter transmitter located in Barnhart, MO and the six meter receiver, and the 70cm repeater, located in High Ridge, MO.

The repeater out-put frequencies are 50.550 mhz "AM", and 444.750 mhz FM. The in-put frequencies are 50.400 mhz "AM", and 449.750 mhz FM.

The 6 meter receiver is carrier squelch operation, and the 70 cm repeater has a encode and decode frequency of 192.8 hrz.

Note: The six meter repeater input is 6 khz wide, and depending on how strong your signal is received, your transmitter frequency could be received between 50.393 and 50.407 mhz, but please try to use a center frequency of 50.400 mhz. This frequency information is for those operators using FT-243 crystal controlled transmitters.

This repeater has battery back-up only on the 6 AM receive and 70 cm Repeater.

REPEATER SYSTEM 2

This is a dual repeater, or back-to-back, FM system operating on two meters and 70 cm FM, and is located in High Ridge, MO.

The repeater out-put frequencies are 146.925 mhz FM, and 444.550 mhz FM. The in-put frequencies are 146.325 mhz FM and, and 449.550 mhz FM.

Both repeaters are CTCSS controlled, with a encode and decode frequency of 192.8 hrz.

This dual repeater system also has a Echo-Link internet interface, connected 24 hours, 7 days a week.

This repeater has battery back-up power on the two meter and 70 cm repeater.

REPEATER SYSTEM 3

This is a 70 cm remote base repeater system located in High Ridge, MO.

The repeater out-put frequency is 444.850 mhz. The out-put frequency is 449.850 mhz. This repeater is CTCSS controlled, with a encode and decode frequency of 192.8 hrz.

This 70 cm repeater is interfaced to a multi-band, multi-mode, remote base Yaesu FT-857D.

At the present time the remote base operates on the following bands:
1Ø meter USB, FM and AM and 2 Meter USB and FM.

Note: This remote base is user controlled, touch tone dial-up and control, and has capabilities of operating AM, FM, and SSB on up to 2ØØ User selectable, simplex and repeater frequencies on all HF bands as well as the 6 meter, 2 meter, and 7Ø cm bands. These remote base frequencies will be posted to club members as frequencies and antennas are programmed and installed.

This repeater has battery back-up power only on the 7Ø cm repeater.

Note: Only the HIGH RIDGE Remote Base repeater HF Antenna systems are not completed as of 06-25-13.

RADIO SYSTEM 4

This is a 7Ø cm remote base repeater system located in Barnhart, MO.

The repeater out-put frequency is 443.725 mhz. The out-put frequency is 448.725 mhz.
This repeater is CTCSS controlled, with a encode and decode frequency of 192.8 hrz.

This 7Ø cm repeater is interfaced to a multi-band, multi-mode, remote base Yaesu FT-857D.

Note: This remote base is user controlled, touch tone dial-up and control, and has capabilities of operating AM, FM, and SSB on up to 2ØØ User selectable, simplex and repeater frequencies on all HF bands as well as the 6 meter, 2 meter, and 7Ø cmeter bands. These remote base frequencies will be posted to club members as frequencies and antennas are programmed and installed.

At the present time the remote base operates on the following bands:
2Ø meter USB, 17 meter USB, 12 meter USB, 1Ø meter USB, FM and AM, 6 Meter USB, FM, AM, 2 Meter USB and FM.

This remote base can be used to link the Barnhart site to the High Ridge 2 meter repeater when needed.

Note: This repeater has battery back-up power only on the 7Ø cm repeater.

NOTE: IF ALL RADIO SYSTEMS GO DOWN: Please use the simplex frequency of 146.49Ø

Section 12 CLUB REPEATER ANTENNA INFORMATION

For maximum mobile coverage, all repeaters and remote bases, antenna systems, are vertical polarized.

Section 13 CLUB SIMPLEX RADIO FRQUENCY LIST

*** National Calling Frequency**

AM: 29.0ØØ - 5Ø.35Ø - 50.55Ø

USB: 28.35Ø - 28.375 - 28.4ØØ - 5Ø.125* - 5Ø.2ØØ - 145.24Ø

FM: 29.5ØØ - 29.6ØØ* - 52.525* - 52.54Ø - 146.49Ø - 146.52Ø* - 146.55Ø - 147.57Ø - 446.ØØ*
446.5Ø-192.8

Section 14 CLUB ADOPTED REPEATER RULES AND INFORMATION

- A.** All FCC, and ARRL rules and regulations regarding amateur radio operations shall apply.
 - B.** Emergency traffic shall have priority.
 - C.** Any one transmission should be limited to 10 minutes maximum.
 - D.** All stations should identify at the beginning, and must identify at the end of any transmission, and at the end of every 10 minutes of any continuous transmission.
 - E.** During QSO's, wait a couple of seconds between transmissions to allow for breaking stations, and to reset the repeater's timeout timer.
 - F.** If an Echo link station is connected, you need to pause for up to 10 seconds for them to break in, this is due to the delay they get on their internet receive end.
 - G.** Because FM is a fixed frequency operation, with squelch controlled radios, calling CQ is not necessary. When making a general call, simply say your call sign, and that you are monitoring. One time in every 3 minutes is plenty.
 - H.** Members are asked not to use the repeater input or output frequencies for simplex purposes, but to switch to a club adopted simplex frequency.
 - I.** Long tuning, constant tone signals, or testing on the repeater frequencies are not allowed.
 - J.** Un-identified transmissions are prohibited.
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Section 15 CLUB ADOPTED ECHOLINK RULES AND INFORMATION

MODULATION LEVEL

- A.** It seems that the majority of Echo Link users have trouble with their modulation level. When you connect to an echo link user, and they sound low in volume, or have distorted audio, please inform them their modulation needs to be adjusted. Sometimes just speaking closer to the mic will improve the audio.
- B.** For adjustments, the Echo Link people have put a real nice modulation bar near the bottom-middle of their screen so adjustment is easy.
- C.** The Windows mixer, microphone level control, will not make any changes to the Echo link modulation level.
- D.** The modulation adjustment controls are located on the Echo link screen. Tell them to pull down the tools window, and go to adjust volume, then click on recording. This will bring up the recording control window where they can adjust the microphone level slider control.
- E.** You need to tell Echo Link users to adjust their modulation level, while speaking close to their mic, so the blue modulation bar averages near three-fourths of the scale. Also, so it reaches the yellow mark some times, but never into the red.

CALLING CQ

- A.** Something that many hams do on FM radio frequencies, and Echo Link, is to call CQ.
- B.** We all know that a FM simplex, or repeater system, on the 10, 6, 2 meters, and above, is assigned squelch controlled RF channels, and a station is either going to be on the frequency you're on to hear you, or is not.
- C.** Calling CQ only takes up air time, and it can be annoying to a station monitoring for a call, or waiting for you to

stop transmitting "CQ" so they can answer your call.

D. A simple, to the point, single transmission is all that is needed. I suggest saying something like: "(Your Call) monitoring" or "(Your Call) monitoring the frequency", or "(Your Call) is QRZ the frequency".

E. Calling "CQ" on the CW, AM or SSB Modes on any band, is just fine, and we wish more hams would do that.

ECHOLINK TRAFFIC

A. In an effort to improve Echo Link traffic, and clean up the system, at the present time, the club has disabled some of our Echo Link functions.

B. We are not allowing in-coming connections from repeaters (-R), or link stations (-L). This is because it ties up the repeater system too much, not allowing local stations to communicate.

C. We have also set the time out period to disconnect a Echo Link station from monitoring more than 5 minutes of no repeater, or Echo Link activity. This is because we have conferencing limited to 2 stations, and if 2 stations are monitoring, it will prevent another echo link station from connecting.

D. We don't allow any stations to connect if they have their computer set to allow conferencing. This prevents them from connecting a repeater or link station to our system.

E. Maximum Echo Link station transmit key down time has been set to 5 minutes, after which the echo link station will get a warning tone, then be disconnected. This is to prevent an Echo link station from locking up the repeater system when they forget to un-key and disconnect.

F. There is no time limit set for a QSO, just for Echo link monitoring time, and Echo link key down time.

G. The Echo Link out-going node dialing system has been disabled, and at the present, we have no plans to connect it. The reason is our internet connection is remotely located, and the repeater users would have to listen to touch-tones being re-broadcasted on the repeater.
