

Yankee Clipper



Contest Club

Scuttlebutt

No. 50 April 1984

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Captain's Cabin

John Yodis, K2VV

Well, it looks like we managed to squeeze another pretty good contest season out of this sunspot cycle. It was nice to see 10m open up for both ARRL weekends. I, for one, don't look forward to the coming years of everyone piling onto 20m. Again the Northeast was well represented on the bands: it was good to hear new members Shirley, KA1X, and Bill, KN2Q, slugging it out with the veterans.

I think everyone should write a note of gratitude to the British Post Office recognizing their unleashing of a few thousand more G4's to keep 15m busy. My dupesheet was the messiest in years.

April means YCCC elections. Please come to the meeting with some idea of who you want to take the reins for the next year. And, while you're thinking, let me remind you that the officers would appreciate any input that would make their jobs easier. Help is wanted with meeting sites and programs. Any cheap, or, even better, free, meeting hall would be seriously considered. In the area of programs, we would love to have volunteers step forward to share operating and construction

tips. Anyone with a desire for enlightenment in a particular area is invited to make his wishes known and we'll try to find someone with the answers. If anyone knows how to get DX stations to ID in a contest I'd love to hear it. Maybe if we all called every guy who says just "QRZ?" we could fill their logs with dupes; then again maybe it's already been done.

To those of you who didn't make the ENY meeting, we passed the hat for Everett's family, in particular his girls' education, and came up with \$124. This will be turned over to the Billerica club's memorial fund.

Time for a Change

Tom Frenay, K1KI

John Dorr, K1AR

Once upon a time the YCCC was a struggling young club, fresh from the conquest of the two-headed Murphy's Marauders-Northeast Contest Club monster. Back in the dawn of time a number of compromises had to be made to allow YCCC to get out of the cradle, such as scheduling only a limited number of meetings per year. While there are several areas that could be debated, we would like to focus on the question of meeting frequency and location.

There were rumors of a few people grumbling about the most recent meeting held in the Albany area, and frankly we might have had some reservations ourselves. Thinking through the problem, the conclusion we came to is that not only was a meeting in the Albany area an entirely reasonable plan, but it was something that should not cause any grumblings among other club members. After all, the large contingent of YCCC members in the Albany area produce points for the club from almost every member for each mode in major contests.

The problem is that there are only four meetings a year, and one of those is a "convention" meeting where the official part of the meetings is brief at best. Even the best juggling of the other three meetings makes it impossible to satisfy the club needs for convenient meetings prior to major contests, and for meetings outside the central area of the club which are more convenient to those living farther away. In addition, four meetings a year is hardly enough to realistically make the club a living, breathing, working machine that routinely wins the ARRL and CQ Contests, and attracts all of the top contesters in the Northeast. It may be helpful to note that we have been forced to maintain a limited meeting schedule because of the club rules existing at ARRL resulting from the old "fear of paper clubs" days. In spite of this, we are the only major club that bothers to take attendance at meetings not to mention provide eligibility lists for the CQ WW (even though all of the major clubs have attending members outside of the 50 mile limit).

The solution to the problem is not as simple as having more meetings. The meetings have to be scheduled well in advance, so there is enough time for people to make plans to get there, and so that potential members will know about them. A good case could be made for having most meetings at one central place so that getting to a meeting won't be an experience in reading poorly written or drawn instructions, however our preference is for them to be rotated between Hartford-Springfield-Worcester. Four of the six meetings should be in the central area (within 50 miles of the club's center), and the others within 100 miles of the club center (note that 100 miles from the club center touches Albany and Poughkeepsie, New York, Norwalk, Connecticut, Buzzard's Bay, Massachusetts, and Concord, New Hampshire!!!).

The specific proposal for change requires six meetings per year and that four of those meetings must be within 50 miles of the club's center, with the details of where and when being a secondary item, not part of the Constitution or Bylaws.

Remember, regardless of the number of meetings, ultimately success depends on how involved the membership becomes (not only during meetings but also in their planning) as well as how we meet the needs of those attending!

YCCC QSLs

John Dorr, K1AR

- o Orders will be accepted beginning at next meeting
- o Pay in advance
- o 2000 minimum order
- o \$32/2000, plus postage (if not delivered at YCCC meeting or in person)
- o Provide K1AR with exact details for QSL (name, address, call, 5BDXCC, etc.)

Contest Calendar, 1984-1985

Tom Frenaye, K1KI

1984

Apr	7-8	
	14-15	YCCC Meeting
	21-22	
	28-29	Dayton convention
May	5-6	
	12-13	CQM
	19-20	
	26-27	CQ WPX cw
Jun	2-3	
	9-10	VHF QSO Party
	16-17	All Asia ssb
	23-24	Field Day
Jul	30-1	
	7-8	
	14-15	IARU Radiosport
	21-22	ARRL Convention NYC
	28-29	
Aug	4-5	UHF Contest
	11-12	WAE cw
	18-19	
	25-26	All Asia cw
Sep	1-2	
	8-9	VHF QSO Party/WAE cw
	15-16	Sprint cw
	22-23	Sprint ssb
	29-30	Boxboro Convention
Oct	6-7	
	13-14	
	20-21	
	27-28	CQ WW ssb
Nov	3-4	SS cw
	10-11	
	17-18	SS ssb
	24-25	CQ WW cw
Dec	1-2	ARRL 160
	8-9	ARRL 10
	15-16	
	22-23	
	29-30	

1985

Jan	5-6	
	12-13	VHF SS
	19-20	
	26-27	CQ 160 cw
Feb	2-3	Sprint cw
	9-10	Sprint ssb
	16-17	ARRL DX test cw
	23-24	CW 160 ssb
Mar	2-3	ARRL DX ssb
	9-10	
	16-17	
	23-24	
	30-31	CQ WPX ssb
Apr	6-7	
	13-14	
	20-21	
	27-28	Dayton convention
May	4-5	
	11-12	CQM
	18-19	
	25-26	CQ WPX cw
Jun	1-2	
	8-9	VHF QSO party
	15-16	All Asia ssb
	22-23	
	29-30	Field Day
Jul	6-7	
	13-14	IARU Radiosport
	20-21	
	27-28	
Aug	3-4	UHF Contest
	10-11	WAE cw
	17-18	
	24-25	All Asia cw
Sep	31-1	
	7-8	VHF QSO party
	14-15	Sprint cw/WAE cw
	21-22	Sprint ssb
	28-29	
Oct	5-6	ARRL Convention Louisville
	12-13	
	19-20	
	26-27	CQ WW ssb
Nov	2-3	SS cw
	9-10	
	16-17	SS ssb
	23-24	CQ WW cw
Dec	30-1	
	7-8	ARRL 160
	14-15	ARRL 10
	21-22	
	28-29	

Proposed Bylaws Change

This is a proposal for an amendment to the Bylaws of the Constitution of the Yankee Clipper Contest Club, and according to Article VIII should be voted upon at the next regular YCCC meeting after being published in the Scuttlebutt.

Proposed Bylaw 3:

MEETINGS. Regular meetings shall be held six times each calendar year at such places as the President shall order pursuant to Article V of the Constitution. Four of the six meetings shall be within 50 miles of the club center and as near as possible to the Interstate Highway system. The remaining two meetings shall be held in locations no farther than 100 miles from the club center. Meeting dates and locations shall be announced at least three months in advance.

Respectfully submitted.
Tom Frenaye, K1KI
John Dorr, K1AR

Floating

Paul Young, K1XM

It is fortunate that the contest season had ended before last week's snowstorm. From what I have heard, it was worst in Eastern Massachusetts. There was heavy snow, and very high winds. The snow stuck to the antennas increasing the wind load, and wreaking havoc with various people's hardware:

	/	—
K1XM	K1MM	K1AR
mast	mast	mast

Moral - Don't put those big antennas on schedule 80 water-pipe. Buy a good mast (mine is Telrex) if you want to put antennas 9 feet above the tower.

Those of you who have already looked through this issue (you read my column first? What are you, crazy?) have undoubtedly noticed a proposal for a

bylaws amendment. After giving the matter a lot of thought, I have decided that I am in favor of it. This is not because I am near the club center: When I was a member of Murphy's Marauders I was the furthest member from the center, and I attended almost all of the twelve meetings per year. I've looked at our ARRL eligibility lists, and have concluded that with our current meeting schedule we will probably never win an ARRL DX contest. Since extra meetings only affect ARRL contests, I don't see where we have much to lose. Those who think of YCCC as an excuse to get together and drink beer four times a year will probably be in favor of the amendment. But I will be much more interested in what the serious YCCC contesters have to say about it.

This issue of the Scuttlebutt also contains information on the new USSR call signs. Study it carefully. You'll be tested later.

Many of the pages of this Scuttlebutt are printed one column wide, and do not have borders. Doing it this way saves me an immense amount of past-up time (last issue took over six hours just for taping pages). Also, I lost a couple days because the power fluctuations damaged the computer I normally use for typesetting. One of these days I am looking forward to editing a Scuttlebutt with no time constraints!

One last note - It's time to elect officers. The bylaws do NOT say that you cannot nominate someone who is not at the meeting, so you might as well come anyways. But think about who you want for your next president.

Op-Swap

Looking for operators to join in the ARRL June VHF QSO Party multioperator effort from Mount Wachusett under K1TR. Contact Ed Parsons, K1TR, at home: 603-898-5781, or at work: 617-681-6298.

You Know You Have Been Contesting Too Long....

Tyler Barnett, N4TY (reprinted from NCJ)

When you smoke the plate transformers in your SB220.

When you smoke the Pater Dahl replacement in the next contact.

When you finally break down and replace the SB-220 with a reliable Alpha.

When you exercise the extended warranty on your Alpha.

When you stumble out of the shack, and this strange woman is sitting in front of the TV. Upon close examination, you discover it's your wife.

When the neighborhood lynch mob shows up at your front door to persuade you to shut down during the Super Bowl.

When your headphone muffs start cracking from dry rot or fungus.

When you can't find an empty spot in the ashtray.

When your wife asks you a question, and you respond "QRZed?"

When you start ordering sweep tubes by the gross.

When Eimac sends you a get-well card because you didn't send in an order last month.

When you enter the Bermuda contest to win.

When you check the work schedule Friday afternoon and discover the boss has already marked you sick on Monday.

When you have trouble convincing your electrician to install 96 electric outlets on one wall.

When the local electric company sends a stock prospectus along with the month's utility bill.

When you take a bathroom break, and the chair won't let go.

When the preacher at your church greets you Christmas morning with, "Would you like to join our church?"

When you turn down your wife's amorous intentions Friday night, turn down a golf game Saturday morning, and a poker game Saturday night, for the chance to stare at a radio for 24 hours.

When you install a fridge next to the operating table.

When you seriously consider putting in a urinal under the table to relieve the side effects of the above.

When you drop from 40 to 80 the first night, and your rate drops to 10 an hour. It takes about that long to realize you left the rig on the dummy load.

When the next morning you go from 40 to 20, and the rate drops to zero. Remembering last night, it takes you 30 minutes to figure out the exciter is still on LSB.

When you realize you forgot to change dupe sheets an hour ago.

When your last Weller soldering gun tip opens up an hour before the start of the Sweepstakes. You were putting the last PL-259 on the 40 meter beam coax at the time.

When conditions were so punk, you start looking in the Novice bands for Q's instead of multipliers.

When you're invited to guest-op at a big-gun multi-multi, and then discover your anniversary is that weekend.

When faced with above matrimonial disaster, you resolve it by taking her on a trip for your anniversary. To the multi-multi.

When your wife decides to join 'em rather than fight 'em. She runs a better rate on 40 sideband than you do because EVERYONE wants to QSO the gal.

Et tu?

SECRETARY'S REPORT

YANKEE CLIPPER CONTEST CLUB

The February YCCC meeting was held on 11 February 1984 at the American Legion post in East Greenbush, New York, with 38 members attending.

Everyone welcomed back Jeff deTray, WB8BTH.

The unfortunate death of Everett Hudson, AJ1I, on New Year's Day was announced, and we were all reminded of the many large and small things Ev did for the club. Some radio items from his estate are for sale, but no list was available yet. John Dorr, K1AR, has taken over printing club QSL cards, at the same price (\$32/2K). John and friends suggested sponsoring an ARRL plaque in Ev's memory (not to be sponsored by the club), perhaps to a handicapped person, a young person, or a new ham, in memory of Everett's many efforts in these areas. The Billerica Radio Club (BARS) is setting up a fund for Everett's family. YCCC members generously contributed \$124 at the meeting.

Scott Lieberman, N1EE, proposed that the next meeting be held at the ARRL convention in New York in July instead of in April as we normally do. This motion was defeated.

Top band operators were reminded to please send in logs, large or small, for the CQ 160 CW contest, which YCCC won last year.

Three new members were voted in to the club: NC2R, Bob Barry, KN2Q, Bill Michne, and KB2R/I, Len Kay.

A Dayton room signup sheet was passed around to reserve lodging through K1AR.

Ted Gamlin, K1OX, is looking for amplifier parts, particularly vacuum variables.

W1GKK is selling a Drake remote VFO, speaker, and power supply.

Saul Abrams has phased 8 element Telrex 2m beams for sale.

Fred Lass, K2TR, has the headphones and boom mikes that K1GQ recommended for sale at \$105.

Joe Krone, WA2SPL, is moving and will be selling some equipment, but does not have a list yet.

Bill Pedersen, KM1C, is looking for a 160m amplifier.

Joe Krone, WA2SPL, talked about 160m, including tapes of DX signals heard within the last two weeks.

Fred Lass, K2TR, talked about two-transmitter multis for the ARRL DX tests, and talked about coax stub filters to reduce inter-station interference.

The meeting adjourned for pizza and beer.

Respectfully submitted,

Charlotte L. Richardson, KQ1F
Secretary/Treasurer
13 February, 1984

Contester's Code of Ethics Revisited Bob Clarke, N1RC

As most of you know by now, the ARRL Board of Directors is considering a "Contester's Code of Ethics." I consider this an attempt by the Board to "legislate morality." As testers, we constitute the most active and visible group in amateur radio, and, indeed, the largest percentage of any "special interest group" among ARRL members. (For more information, see K1GQ's "Testers ARE Better Hams," The Scuttlebutt, June 1981, or QST, March, 1981.) As we are the most active group of hams, it stands to reason that we ought to be the most listened to - but we're not. Now each of the more than 100 YCCC members is usually a member of one or more local radio clubs and/or repeater associations and the ARRL. Lobby your local clubs to write to our ARRL Division Directors to oppose the "Code of Ethics." If each member can influence fifteen other ARRL members, that's 1500 votes come reelection time for our Division Directors (New England, Hudson, etc.). If, after hearing our opposition, the Directors persist in their course and pass the "Code of Ethics," let me repeat a slogan from Boston politics - "You don't forget, you get even!" In other words, if the "Code of Ethics" is passed, we vote the rascals out of office.

Hopefully the other testing clubs with which we exchange newsletters will pick up on this and we will have a national lobbying effort going. As for my part, the next letter I write will be addressed to W1HHR!

Inventory of Amateur Radio Equipment Owned by AJII
For Information or Purchase, call K1OJH or WAIUQA at (617)663-9386

1. Transceivers, Receivers, Linear Amplifier, etc.

item # Description and value

- 1.4 Heath SB-634: SWR bridge clock, phone patch, manual - \$100
- 1.8 Hy-Gain/Galaxy Electronics GT-550A Transceiver, S/N 8551282, 10-80M SSB/CW; with SC-550A S/N 0008802386 power supply and speaker, and RV-550A S/N 0012BE1459 VFO, with all manuals - \$250
- 1.10 Heath HW-2036 2-meter FM, with Micronta 12V power supply and manual - \$100
- 1.11 AEA CK-1 memory keyer with manual, 1228 115V adapter, and Brown Bros. Mach. Co., Model BTL-A, iambic key, heavy brass base - \$100
- 1.15 D-104 microphone, model G - \$15
- 1.16 Patrolman 9 multiband receiver
- 1.18 Heath HM-102 SWR/Power meter - \$25 with manual
- 1.19 Drake W-4 wattmeter S/N 13702 with manual - \$50
- 1.20 Realistic CTR-56 recorder
- 1.21 Repeater, rack mounted, GE (refer to K1NZQ for data)
- 1.22 Magnacorder PT6-AH
- 1.23 Magnacorder PT-R, with parts
- 1.24 Wollensak tape recorder, reel
- 1.25 TKS Electronics Model PA 1-10 2-meter power amplifier - \$20
- 1.26 Quadraphonic headphones
- 1.27 Headset, Kenwood HS-4, white - \$10
- 1.29 Kraco Deluxe 150036-9 CB Xcvt with microphone

2. Antennas, Towers, Rotators, Coax, Tuners, Etc.

- 2.1 3 Cushcraft Jr. Boomers, 13-element 2-meter beams, two in boxes - \$40 each
- 2.2 Tripod with Alliance 73 Rotor with HD-73 Control Box - \$50
- 2.3 Rotor, unidentified, with two Radio Shack masts on it
- 2.5 Ringo Ranger
- 2.7 2-element 30M beam, homebrew - \$35
- 2.8 Cushcraft 10-4CD, 4-el, 10M - \$60 another new, in box \$90
- 2.9 80-meter dipole with coax - \$20
- 2.10 10-foot mast - \$10
- 2.12 Classic 36 Tri-bander, yagi, with manual - \$175

- 2.15 3 straight sections, Rohn 25 \$30 each
- 2.16 3/4 of Mosley 2-el 40M beam \$75
- 2.17 2 rolls, 1/4" EHS guy cable, 500 feet, guesstimate - \$50
- 2.20 Short top section Rohn 25G - \$20
- 2.21 3 Rohn guy anchors - \$5 each
- 2.24 CDR HAM-M antenna rotator, with manual - \$75
- 2.25 Heath SA 2040 tuner with manual
- 2.26 Dentron 160-10AT Transmatch - \$100
- 2.28 Antenna switch, 6 pos., on panel - \$15
- 2.29 Heath dummy load, tested, no PCB - \$15
- 2.33 Coax switch, 6-pos., type "N" - \$25
- 2.34 2 Hard-line connectors, 1 1/2"
- 2.38 Speaker, 10", wooden case
- 2.39 Realistic power horn speaker
- 2.40 Cushcraft 15-4CD 15M beam, new- \$100
- 2.41 Coax cable, used ??
- 2.42 450-ohm ladder & dipole
- 2.43 450-ohm ladder line, about 50-75' - \$5
- 2.44 Hygain 264 2-meter antenna mobile, 5/8-wave, new, carries price of 25.95 - \$15
- 2.45 Rohn 25G stand-up service platform - \$30
- 2.46 Station Master antenna, 2-meter - \$50

3. Instruments

- 3.1 US Signal Corps multimeter
- 3.2 Keltron MPC-3576C power supply
- 3.3 Hickok 535 tube tester, manual
- 3.4 Signal Generator, Technical Material Corp, Model VOX, S/N252
- 3.5 Hewlett-Packard 712A power supply, 500V @ 200mA
- 3.6 2 Variacs and meter on panel
- 3.7 Heathkit SB614 scope - \$100
- 3.8 Heathkit SB610 scope with manual - \$75
- 3.9 Digital voltmeter, homebrew
- 3.10 Lab signal generator, Federal Model 605-CS 10kHz-50MHz, with power supply
- 3.11 EICO Variable AC Supply #1078, 7.5A, metered
- 3.12 Ramsey Electronics DM-700 3 1/2 digit digital voltmeter
- 3.13 Waters Associates +-15V power supplies, models 97125, 97225
- 3.14 Ramsey CT-50 8-dig Freq counter with manual
- 3.15 Navy audio oscillator w/schem
- 3.16 Triplett Model 630 Multimeter
- 3.17 Micronta Voltmeter (new)

- 3.19 Power supply, 12V, 1.5A
- 3.20 Power supply, Lambda LND-X-MPU
- 3.21 Power supply, Sorenson QSA
12-13, S/N0948, 8-14V, 15A
- 3.22 Power meter, PV-115C

Also components, wire, and drafting supplies

Zero Beating

Scott Lieberman, N1EE

After years of twiddling transceiver RIT knobs whilst CQing in contests I've decided to let YCCCers in on a pet peeve I've kept to myself for a long time - CW contest participants who are totally unskilled at zero-beating. This causes much pain to my fingers as I struggle to find errant callers with the RIT control - sometimes so far out of my CW filter's passband that they are calling on an adjacent CQer's frequency! Although I'm sure all of you reading this are always zero-beat +/- 1 hz, let me tell you about my own way of preventing myself from the above mentioned obnoxious behavior. Before the contest, I simply use another receiver to listen to my signal while attempting to zero-beat a CW signal on the air. If I am zero-beat, I know I will be heard by anyone I call (if I'm loud enough!). If my tone does not match the tone of the signal I'm listening to, I adjust the RIT control and try again. By tweaking the RIT control until I am matching tones in my monitoring receiver, I am adjusting the effective transmit offset of the transceiver to the tone that I like to listen to CW to (manufacturers set it at the 700-1200 range (with the RIT off)). After I locate this spot on the RIT I mark it so I can return to it after each QSO. By following this simply procedure you might be surprised when CQing to find out how many hams think +/- 3 khz is good enough for zero-beating!

Those of you with TS930s are spared this rigamarole because adjusting your pitch control changes both the actual offset and sidetone, so all you have to do is (with the RIT off) adjust the pitch control until the sidetone matches the pitch that you use to listen to incoming CW (though it wouldn't hurt to use the above procedure to check).

Better Amplifier Performance with

Upper/Lower/Both Switching Systems

Fred Lass, K2TR

Last October I put up the Wilson 40 meter beams from the W2PV estate. They are 3 full-size elements on a 40 foot boom. They perform well, but are somewhat narrow spaced, and the SWR rises rapidly between 7250 and 7300. The amplifier tunes them well, but it required retuning when switching between single antennas and both in-phase. A look at impedance characteristics of upper/lower/both switching systems showed that in my system, as the antennas were rising in impedance when selected singly, the combined impedance was falling and that the reactance was also changing sign when switching. My system looked like figure 1.

The system described in Bill Orr's "Antenna Handbook", reproduced in figure 2, does not have this problem. This unique system uses a stub of 50-ohm coax to provide isolation between antennas. Bill, K1GQ, has measured 35dB isolation in this system. It is this extra quarter wavelength of 50-ohm coax that changes the phased antennas impedance back to almost identical to the single antenna impedance. The logical thing to do is use this system, but the old system was already in place - so a simple modification was made.

Figure 3 shows how the old system was changed to have the favorable impedance characteristics of Bill Orr's design. All I did was to cut a quarter wavelength of 50-ohm coax, attach a "tee" connector, climb up to the upper/lower/both switching system, and install it, leaving an open connector on the box. Like the Bill Orr system it will work with either 50-ohm or 75-ohm feedlines. Now my amplifier doesn't care which antennas I'm using.

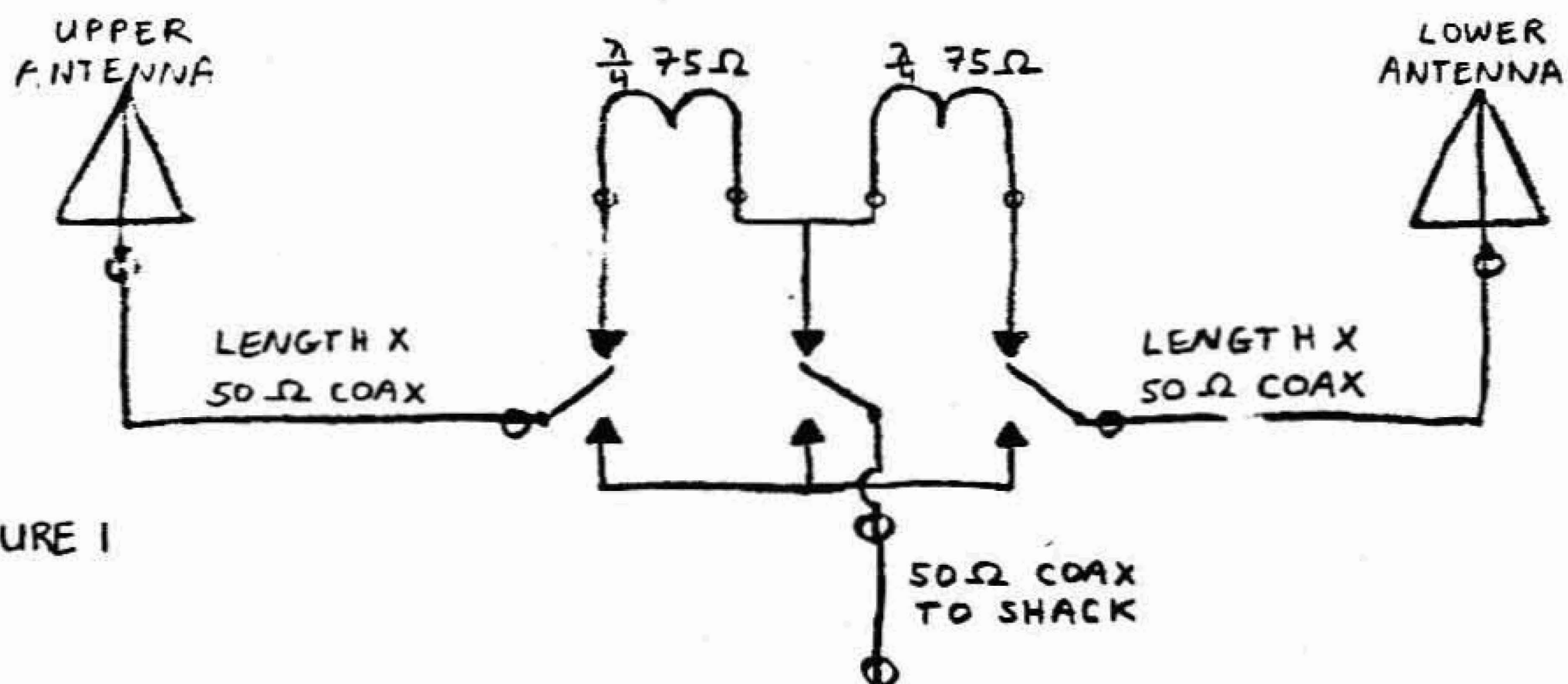


FIGURE 1

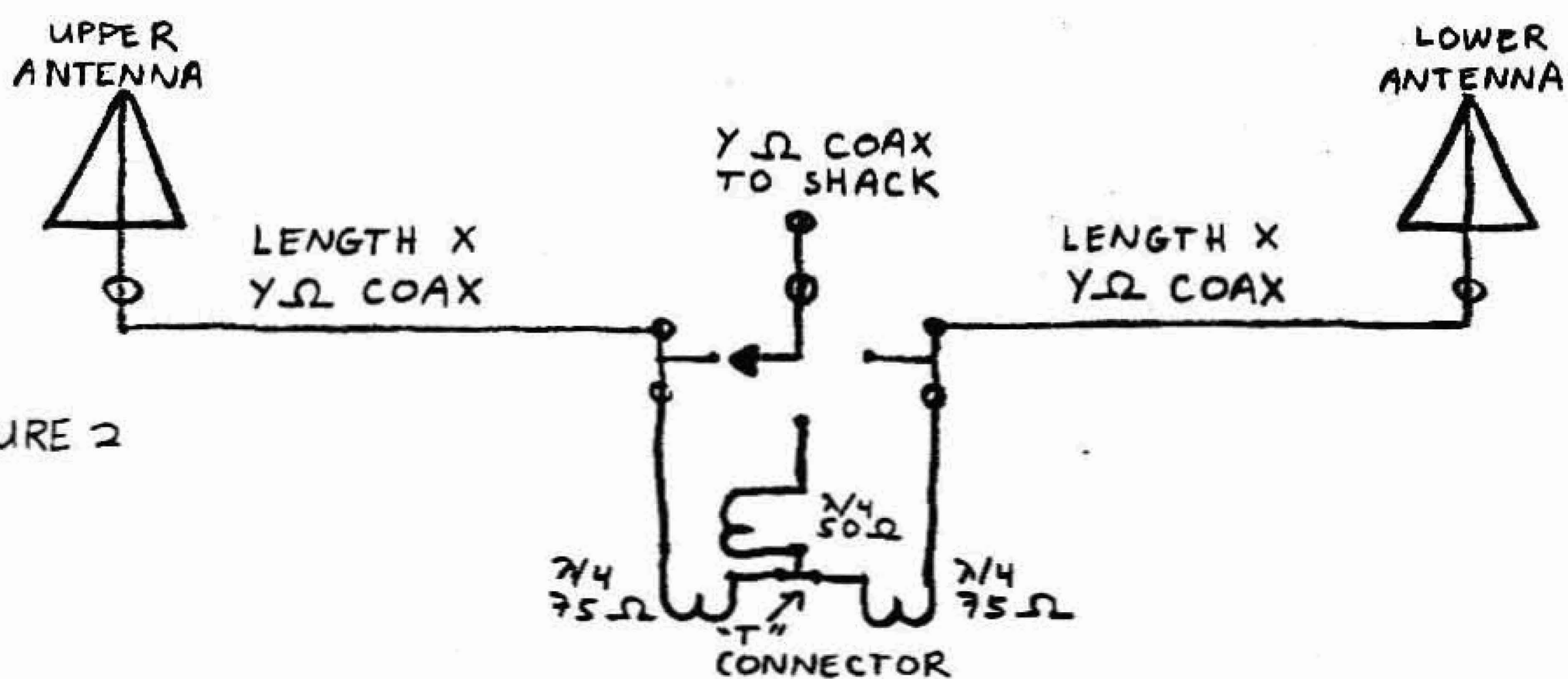


FIGURE 2

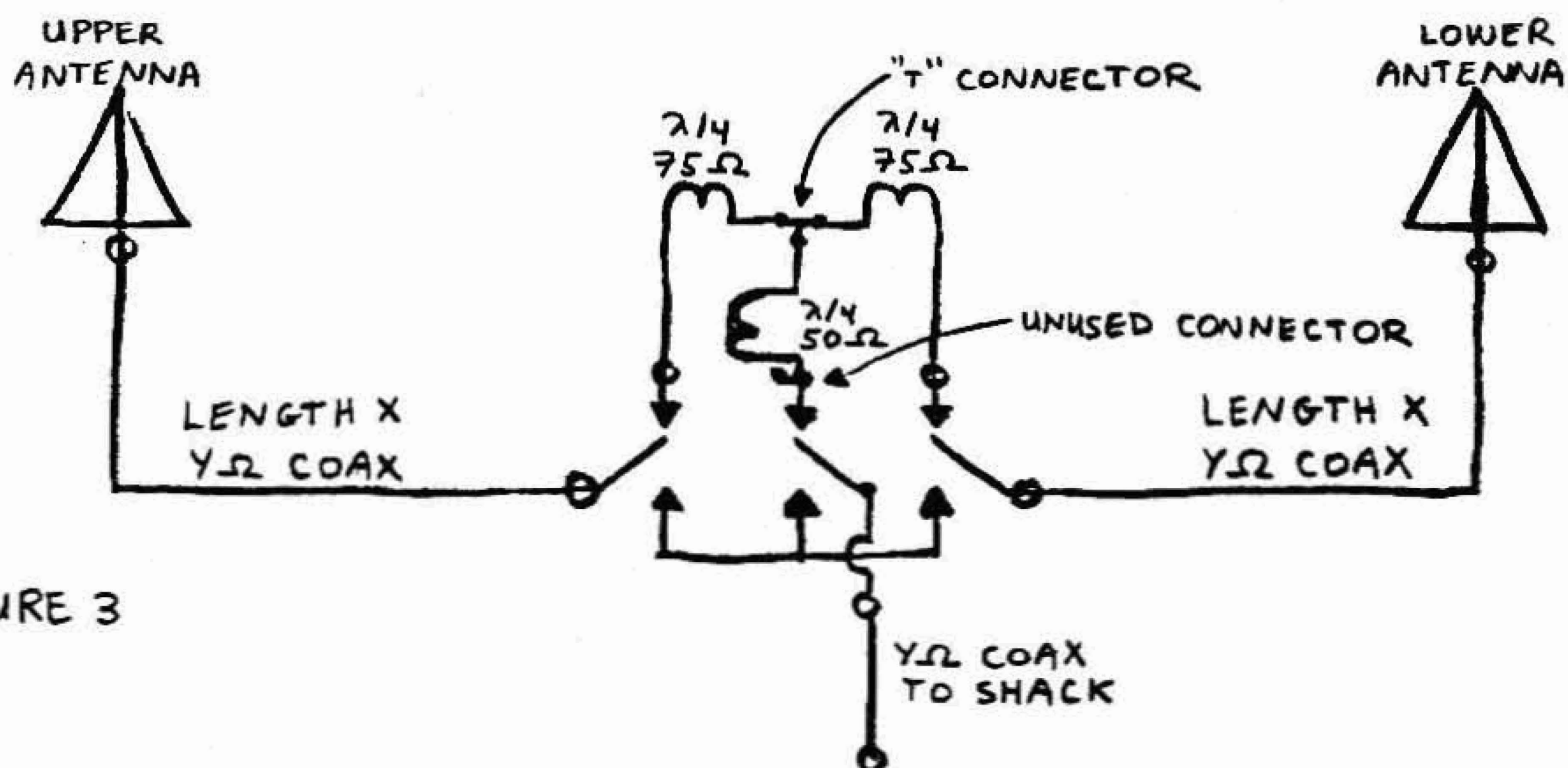


FIGURE 3

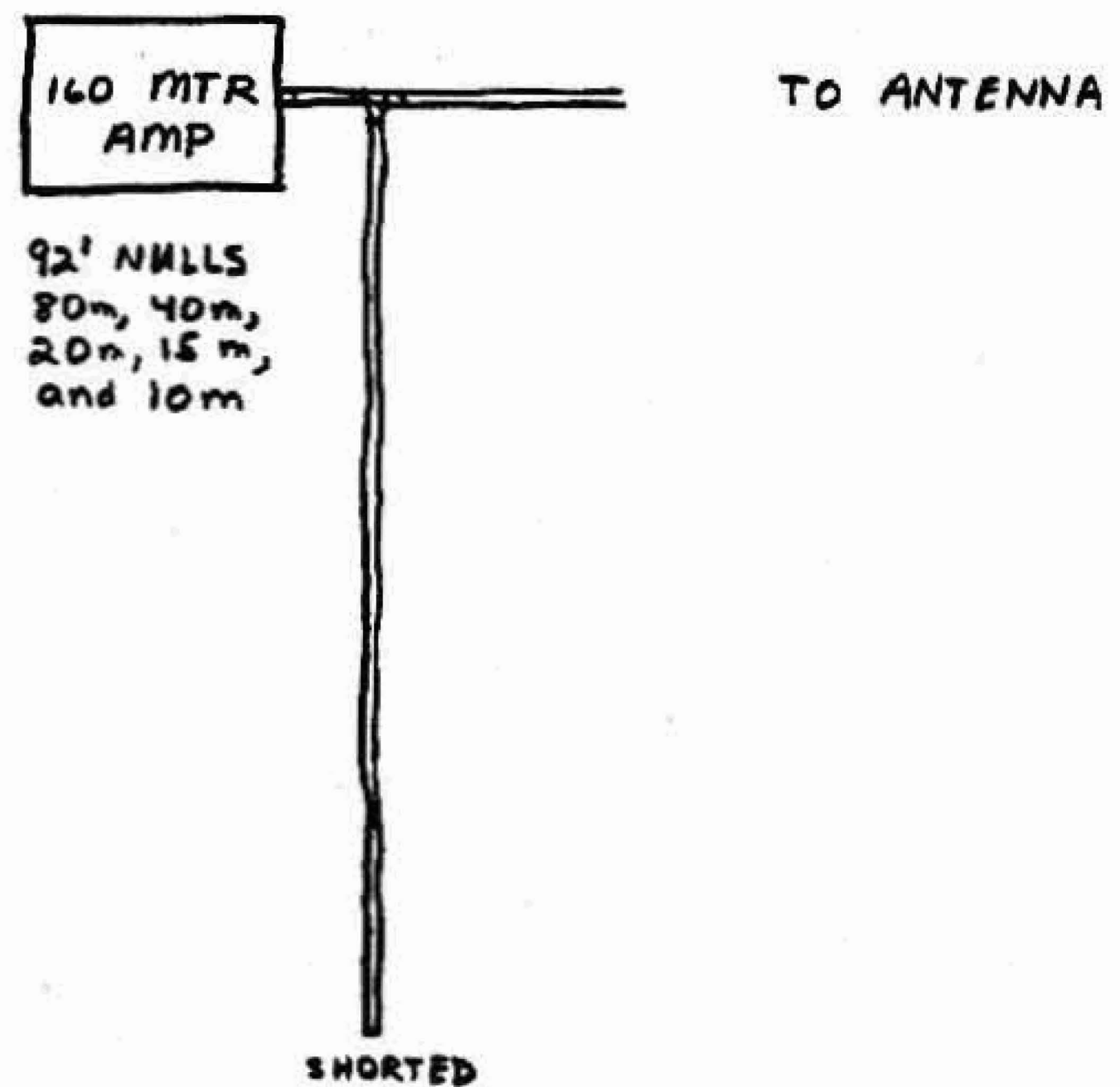
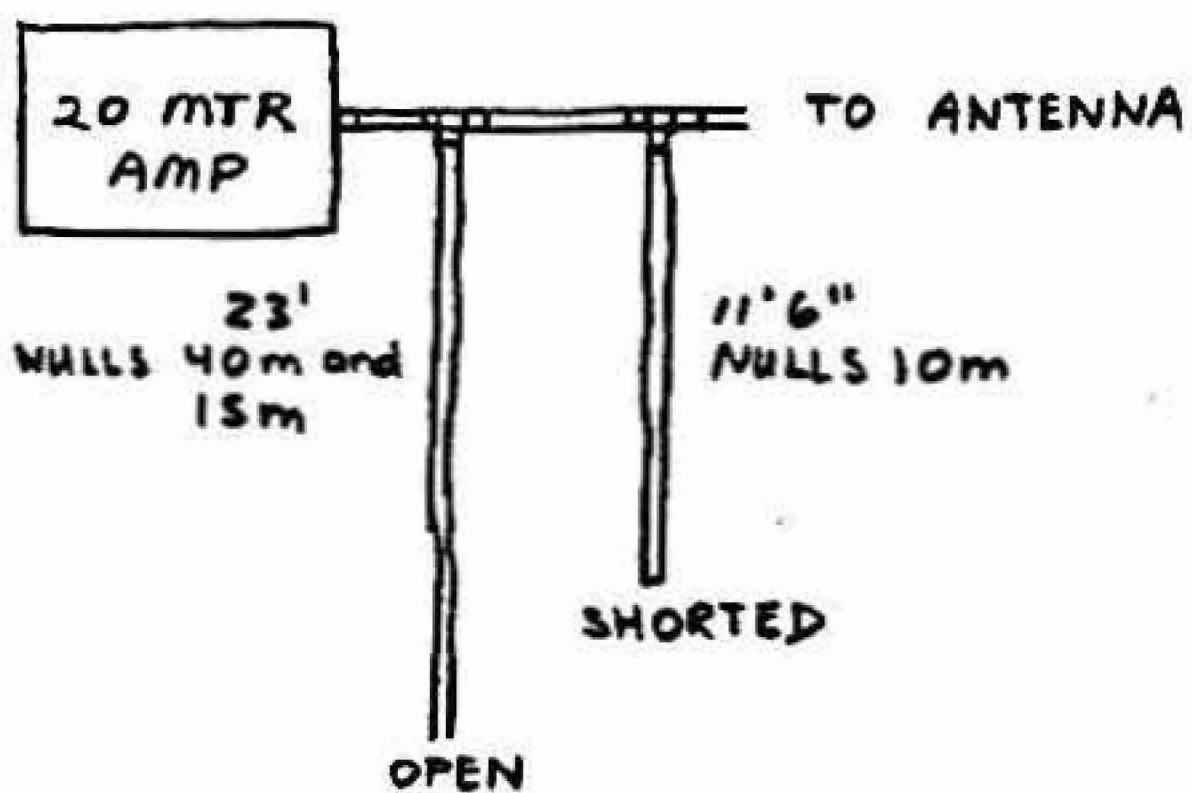
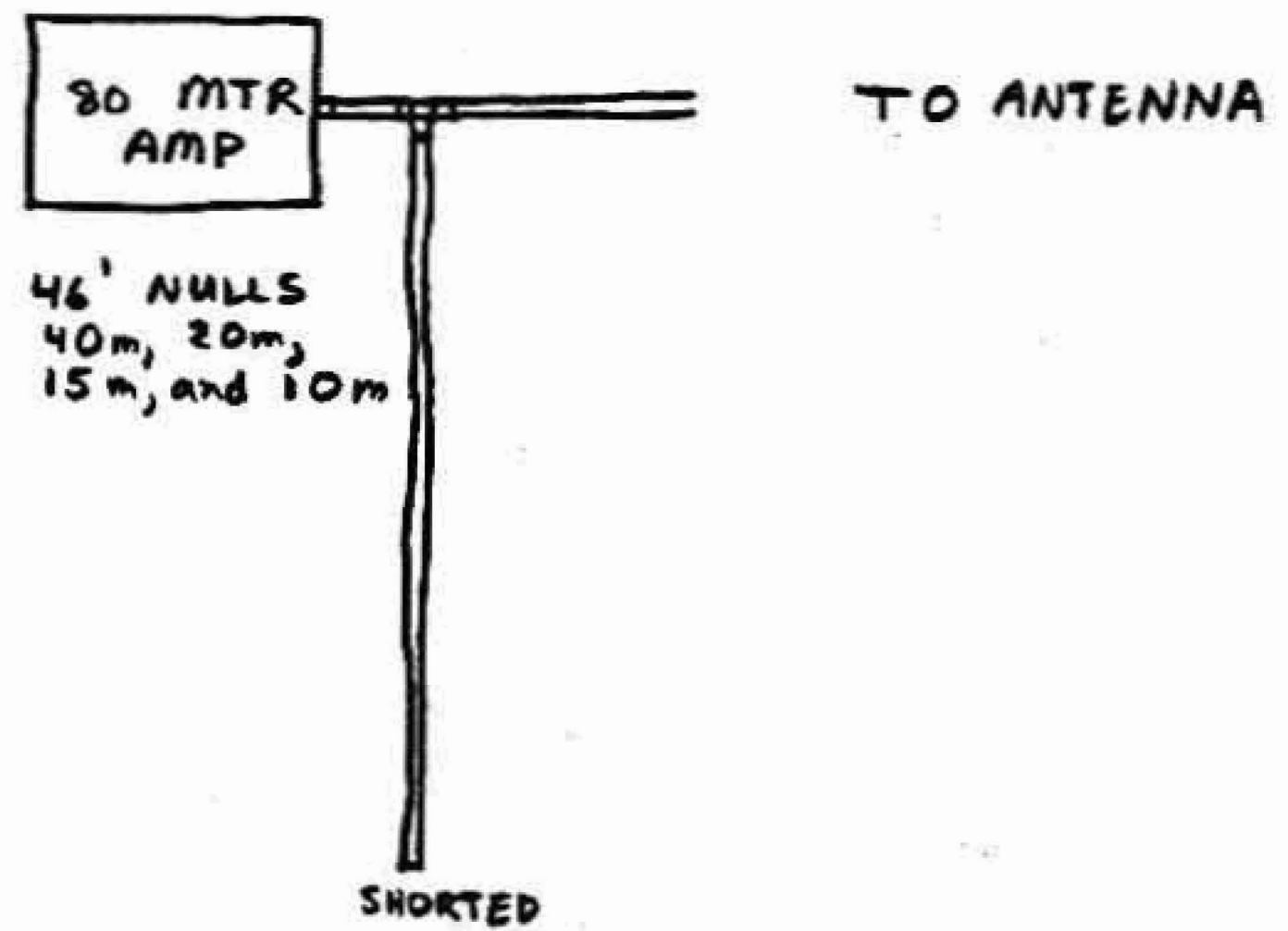
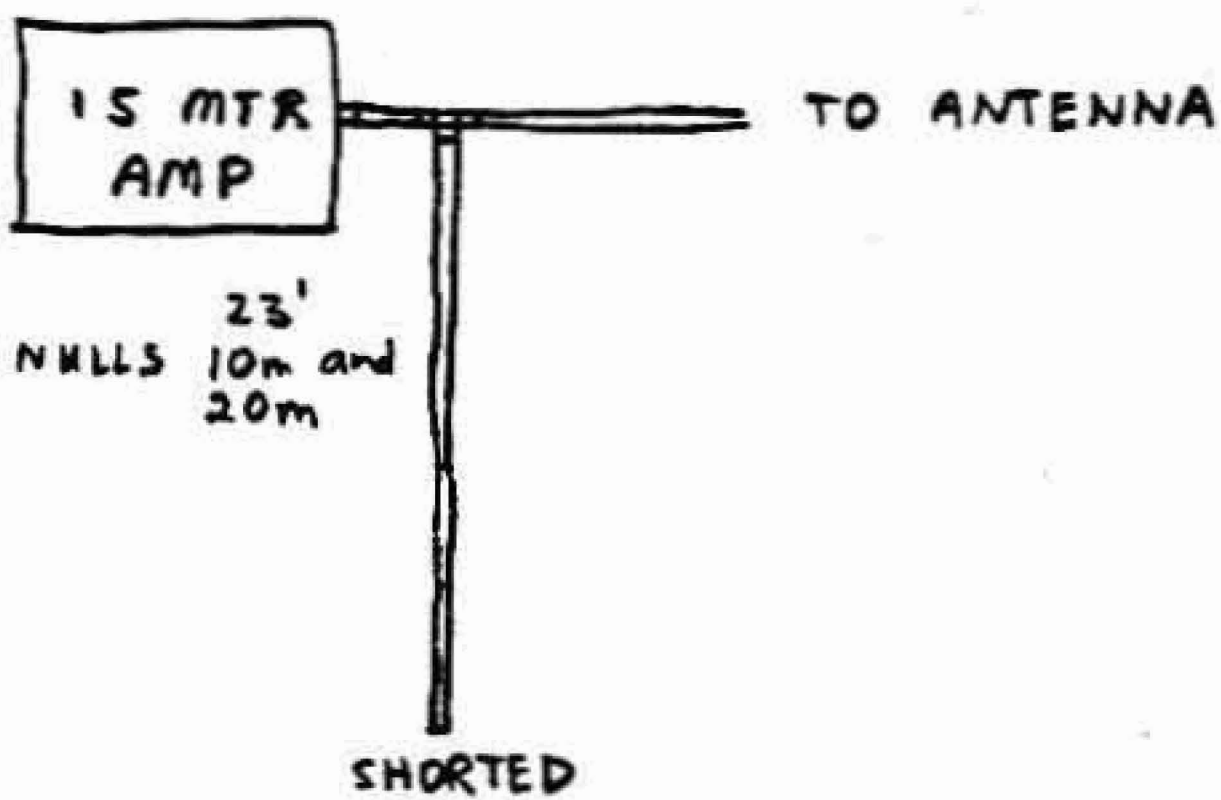
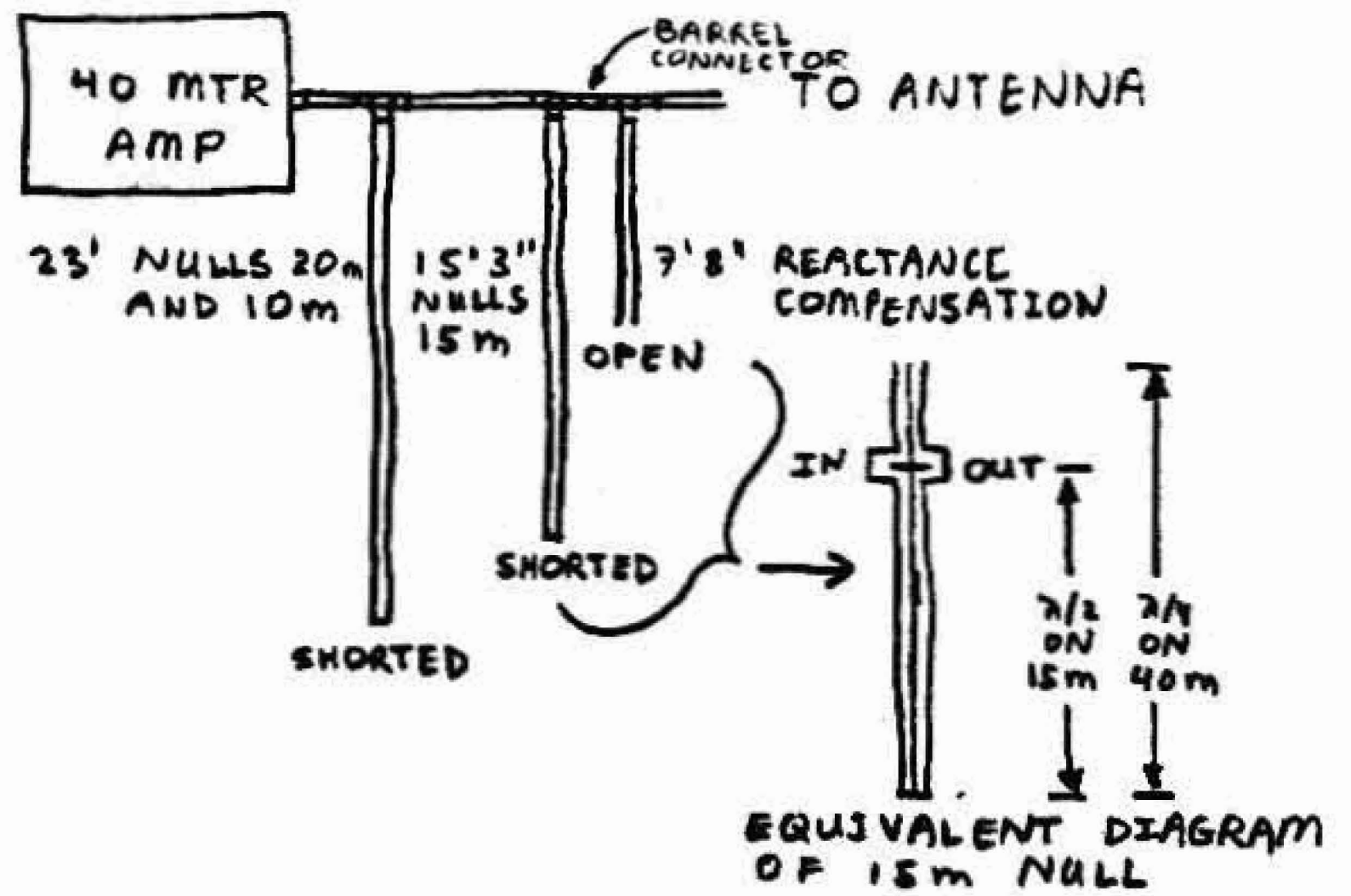
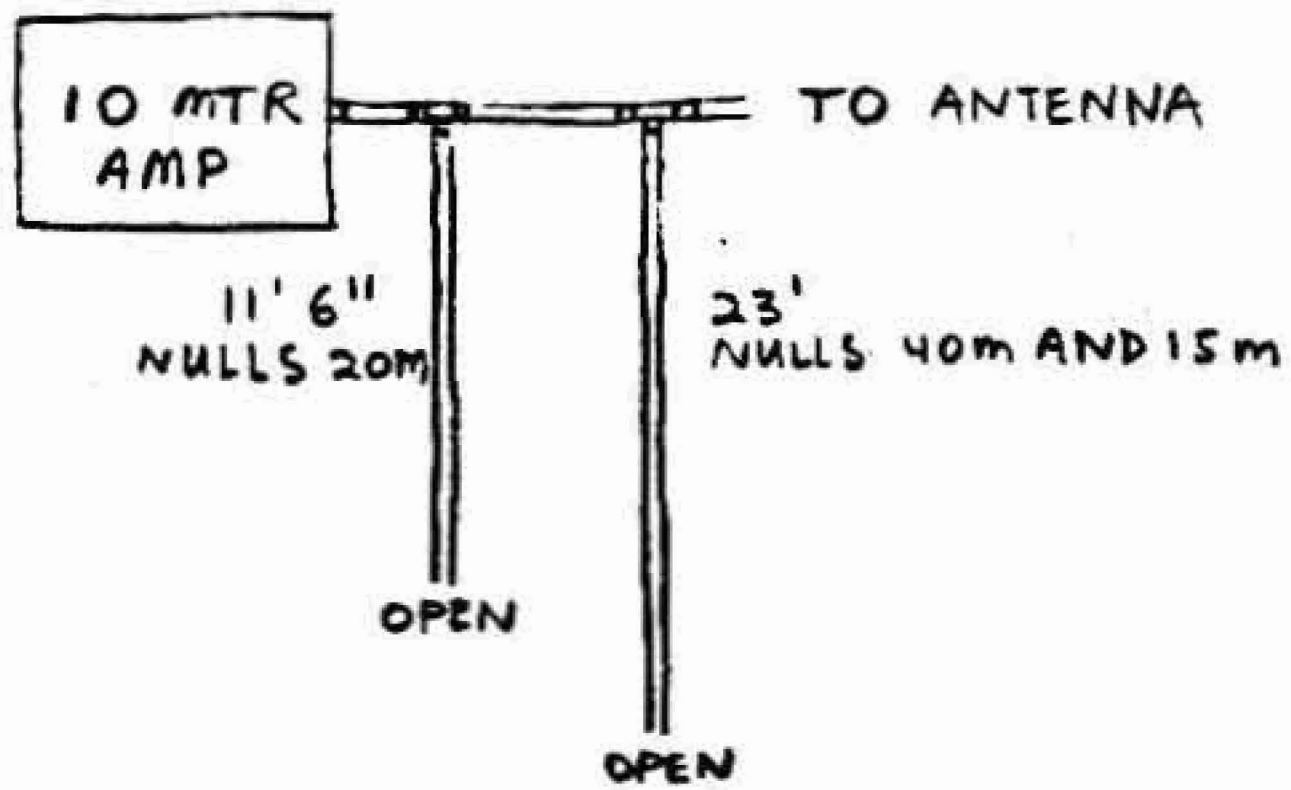
NOTE: $\frac{\lambda}{4} = \frac{246 V}{f}$

V = VELOCITY FACTOR = .66 FOR SOLID DIELECTRIC COAX

f = FREQUENCY

MULTI-TRANSMITTER FILTERS

Fred Lass, K2TR



Yankee Clipper Contest Club April Meeting

The next meeting of the Yankee Clipper Contest Club will be on 14 April 1984, at 1:00 PM in the PNIC in Worcester.

The program includes:

N2WT (Rob) talking about KC4AAA
WIOD (Mike) on St. Paul Island expedition

This is also the meeting where we elect officers (If you don't come you may be our next president) and we have a bylaws amendment to vote on.

The weather is usually pretty good in April, so if you want to be eligible for next year's ARRL DX test, you should attend this meeting rather than wait for the ones in the Winter!

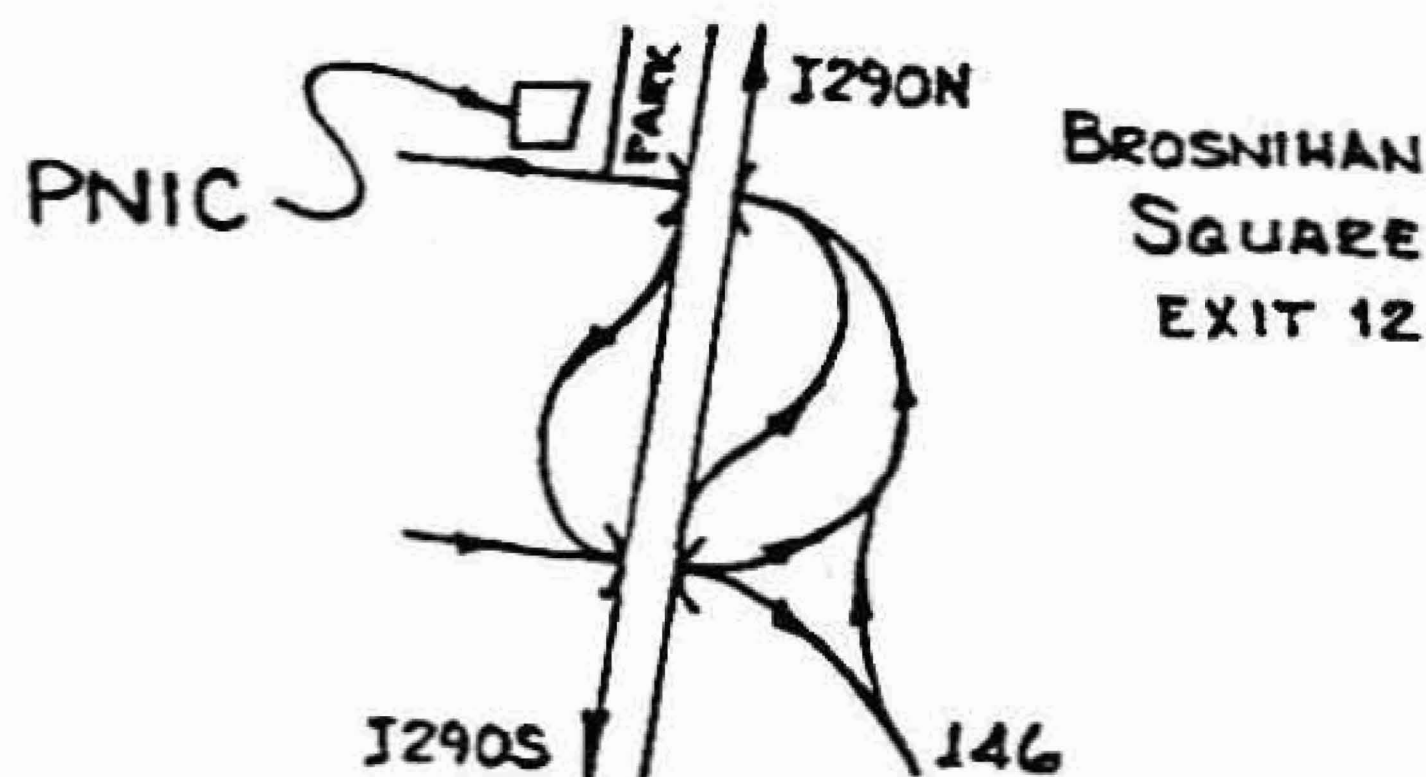
Directions to the PNIC:

From the Massachusetts Turnpike (I-90):
Get on I-290 North. Take exit 12 to Brosnihan Square. Go around the rotary under I-290, then take an immediate right and park in the lot on the right. PNIC is across the street.

From I-290 Heading South:
Take exit 12. Go around the rotary passing under I-290 twice, then turn right as above.

From Route 146 (RI, etc.):
Follow 146 into the rotary at I-290. Go around and under I-290. Turn right as above.

PNIC operates a bar and serves some sandwiches. There are no quick-food establishments within walking distance. There are, however, several restaurants a short drive from the PNIC.



Clipper's Log

ARRL DX Test CW

Single-op All Band

KCIF	1960/324
KIAR	1905/342
WIZM	1821/330
(KIZM, op)	
KIDG	1757/336
KIEA	1650/?
KIVR	1350/272
K2RD	1300/?
WIKM	1133/252
KY2P	960/267
K2XA	847/199
KN2Q	776/176
K2VV	747/205
W2XL	709/230
K2QF	709/211
KIKI	558/201
N2JJ	555/176
N2AIF	488/162
W1WAI	465/208
W2NC	378/187
WIFM	350/150
KQIF	113/90
WIGG	399K
AIIS	280K
KRIR	132K
WAIZAM	3K

Single-op All Band Low Power

KA2AEV	527/220
KIVUT	460/152
NIRC	386/170

Single Operator Single Band

K3UA	(20)	1000/106
W2YV	(40)	800/100
(KQ2M, op)		
KIXM	(40)	675/88
WIWEE	(10)	360/76
WIFV	(80)	322/65
K2EK	(80)	318/63
WIRR	(160)	50/32

Multi-op Single Transmitter

PJ7A (N1EE, N2GC, ops)	3800/?
KMIC (+WB8BTH)	1641/330

Multi-op Two Transmitter

KIRX (+KIRU, KIYR, WAIZDW, KZ2S)	2814/379
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ARRL DX Test SSB

Single-op. All Band

W1ZM 1940/389

(K1ZM, op)

K1RX 1873/375

K1DG 1830/399

K1KI 1810/410

K1AR 1518/369

K2QF 684/223

KA1RE 335/119

W1FM 309/135

KN2Q 286/117

W2NC 200/119

N2AIF 108/82

W1GG 267K

Single-op. All Band QRP

AA2Z 599/193

Single-op. Single Band

W1WEF (10) 338/98

KQ1F (10) 188/76

KY2P (10) 175/58

W2YV (20) 1518/135

(KQ2M, op)

K1YR (20) 900/106

K2EK (80) 175/68

Multi-op. Single Transmitter

K2VV (+N2JJ) 1741/335

KM1C (+W1PH, WB8BTH) 1517/351

K1VR (+N1RC) 1133/262

W2XL (+NA2N, K5NA, N2DRR) 1018/282

KR1R (+KBIW, KSIN) 358K

Multi-op. Two Transmitter

K2TR (+K2XA, WA2SPL) 3207/477

KA1GG (+W1KM) 1.8M

CQ 160 meter DX contest CW

W1CF 605/93

(N1EE, op)

W1WEF 421/69

K2EK 270/58

W2RQ 240/45

K2VV 64/30

CQ 160 meter DX contest SSB

K2VV 492/64

KN2Q 119/36

ARRL QSO Party SSB

KZ2S 635/69

CW Sprint

K1KI 267/43

W1WEF 246/44

K1RX 245/40

KZ2S 218/40

K3UA 140/36

KA2AEV 137/33

K1AR 85/32

Phone sprint

W1WEF 245/39

KZ2S 166/?

CQ WPX SSB

Single-op All Band

KC1F 2300/?

K2VV 2170/640

K1AR 1100/?

W1RR 400/?

KQ1F 238/178

K1KI 5/?

Multi-op. Single Transmitter

KY2P 1700/568

USSR Call Sign Changes (reprinted from USSR Tidbits)

Sovetskiy Patriot, 19 February 1984, p 4 (full but non-literal translation):

CALL-SIGN REFORM

by K. Ivanov, Chief, State Telecommunication Inspectorate, Ministry of Communication of the USSR.

The Ministry of Communication of the USSR has approved a new instruction on the procedure for assigning call-signs to amateur radio stations. Several modifications are introduced into the present amateur call-sign system, significantly increasing the reserve of call-signs and the possibilities of identifying oblasts, krays, and republics.

The following information will be reflected in each amateur call-sign. The country will be identified by the first letter, U or R. Call-signs beginning with these letters will be used both on ultrashortwave and short wave, and call-signs with the initial letters EZ and EY will be replaced.

The union republic will be identified by the second letter of the call-sign. The distribution of these letters remains as before: A, N, V, W, Z - RSFSR; B, T, Y - Ukrainian SSR; C - Belorussian SSR, etc. All call-signs of collective stations, beginning with the letters UK, will be replaced by others identifying the union republic. Collective stations will be issued six-character call-signs with the prefix UZ in the RSFSR, and with the regular republic prefix in the other republics (UB, UT - in the Ukrainian SSR, UC - in the Belorussian SSR, etc.). The distinction between collective stations and individual ones will appear at the end of the suffix. Individual stations will be assigned three-letter suffixes ending in AA to VZ, and collective stations will be assigned suffixes ending in WA to ZZ. In order to convert to this identification system, it will be necessary to replace six-character, individual call-signs that end in the letters WA to ZZ, e.g. UA6AYL, etc.

The smallest Administrative-Territorial Division Unit [yedinit'sa administrativno-territorial'nogo deleniya - yeATD] identified in the amateur call-sign is the oblast', kray, ASSR, autonomous oblast', autonomous district, or city directly subordinate to a republic -- Moscow, Leningrad, Kiev, Minsk, Alma-Ata, Tashkent, and Sevastopol'. The identification of the YeATD is different for the RSFSR and for the other union republics. In the RSFSR they will as previously be identified by numbers and the next-following letter (4P, 9M, etc.). In the other republics the YeATD will be designated by two letters to the left and right of the number. Thus, the designation for Khar'kovskaya oblast' will be not "5L" but "B-L". This type of identification will sharply increase the reserve of call-signs. For example, in the example cited of Kar'kovskaya oblast', not only the series UB5LAA-LZZ and RB5LAA-LZZ, but also analogous series of call-signs with numbers from 1 to 0 (UB1LAA, RB4LBC, etc.), will be issued. The procedure for using series with different numbers is stipulated in instructions sent to each local GIE [gosudarstvennaya inspektsiya elektrosvyazi - state telecommunication inspectorate - roughly equivalent to the Federal Communications Commission in the United States].

In addition to the changes cited above, all six-character call-signs in Alma-Atinskaya and Tashkentskaya oblasts (except the cities of Alta-Ata and Tashkent), and in the cities of Kiev and Sevastopol', will be replaced. This results from the conversion to separate issuance of call-signs within these cities and in the oblasts surrounding them. The changes amount to replacing one letter in the call-sign. For example, in Alma-Atinskaya oblast' the call-sign UL7GAL will be replaced by UL7QAL, and in Kiev UB5UAT will be replaced by UT5UAT. Applying the same principle, the call-signs in Navoiyskaya and Talasskaya oblasts, which have received the identifiers "I-Q" and "M-T" respectively, will be changed.

It should be noted that not one five-character call-sign issued earlier will be changed, even when it does not correspond to the oblast' identification system. At the same time issuance of five-character call-signs to individual first-category shortwave radiostations is being resumed. The licensees of these stations may if they wish exchange the six-character call-sign issued to them for a new five-character one. This may be done after 1 May 1984, when the local GIE offices have completed the mandatory portion of the call-sign changes.

It is obvious that the greatest number of those wishing to exchange their call-signs for shorter ones will apply in the initial period, and it cannot be excluded that several radioamateurs may apply for the same call-sign. In order not to overload the GIE organs with having to resolve such conflicts, a procedure has been established by which the exchange of call-signs will be carried out on the basis of lists presented by local federations of radio sport via the corresponding oblast' (or kray or republic) DOSAAAF committees. The local FRS's would do well to begin drawing up these lists right away. The FRS's must provide guidance at the corresponding local GIE's on which specific five-character call-signs will be issued in a specific oblast'. The last name and initials of the licensee of the first-category station, his six-character call-sign, and the license number are to be shown in the list of those wishing to exchange call-signs; the desired five-character call-sign may also be indicated. The operating permits of the radiostations included in the list must be attached when it is forwarded to the GIE.

Once the call-sign changes mentioned above have been made, radioamateurs may keep the call-signs assigned to them when they upgrade the category of their radiostation. Even when achieving first shortwave category, the exchange of a six-character call-sign is not obligatory. At the same time orders have been given to the local GIE offices to change call-signs mandatorily when a radioamateur moves from one oblast' to another. Collective and individual amateur radiostations whose call-signs are changed as a result of the reform may only begin using their new call-signs on 1 May of this year.

Thanks to W4KM for the translation of the article from Soviet Patriot.

USSR Callsigns

Callsign structure:

First letter - always R or U

Second letter - always indicates which republic

A-N-V-W-Z	R.S.F.S.R.	(UA1-3-4-6-9-0 now) or White Russia (UA2)
B-T-Y	Ukraine	(UB5)
C	Belorussia	(UC2)
D	Azerbaijan	(UD6)
F	Georgia	(UF6)
G	Armenia	(UG6)
H	Turkoman	(UH8)
I	Uzbek	(UI8)
J	Tadzhik	(UJ8)
L	Kazakh	(UL7)
M	Kirghiz	(UM8)
O	Moldavia	(UO5)
P	Lithuania	(UP2)
Q	Latvia	(UQ2)
R	Estonia	(UR2)
E-K-S-U-X	(not used)	

Number - remains the same for R.S.F.S.R. and White Russia: for the other republics, it means nothing.

Third letter - for the R.S.F.S.R. and White Russia indicates the oblast, in combination with the number.
For the other republics, in combination with the second letter, indicates the oblast.

Fourth letter - anything, except W-X-Y-Z for club callsigns only in the republics (not R.S.F.S.R.).

Fifth letter - anything, may be absent.

Minor details - in the R.S.F.S.R., club callsigns will have a Z as the second letter. Four oblasts will have distinct callsigns (new) for the city and for the non-city portions (UL-G, UB-U, UB-J, and UI-A). No word on whether they will count as new oblasts. Navoy oblast will become UI-Q (was UI8LN-) and Talas will become UM-T (was UM8PN-).

Summary:

1. Some existing individual callsigns will change.
2. All existing collective (club) callsigns will change.
3. EY and EZ calls (Novice - 160 meters) will be changed.
4. No pre-1971 calls (two letter suffix) will be changed.
5. New two letter calls will be issued to Category I (200 w) licensees, if applied for (optional).
6. Callsigns must be changed if moving to a new oblast.
7. New rules becomes effective on May 1, 1984.

Thanks, KIKI USSR Tidbits

Fred Hopengarten vs. Board of Appeals of Lincoln

Mr. Hopengarten, an attorney (the petitioner), obtained on April 8, 1981, from the town board of appeals (the board) a special permit to erect a non-commercial radio tower at the rear of his land (containing 57,847 square feet) in an R-1 zoning district in Lincoln. The permit contained conditions. Upon the present appeal the petitioner discusses only those numbered 7 and 8.¹ The board acted upon recommendations of the town's planning board that (no. 4) "[t]he permit be reviewed every three years" and (no. 5) that it "remain exclusively with the petitioner and . . . not [be] transferable nor run with the land." The board, in granting the permit, proceeded under G. L. c. 40A, S 9, as amended through St. 1980, c. 508, S 5, the first paragraph of which reads in part, "Zoning . . . by-laws shall provide for specific types of uses which shall only be permitted in specified districts upon the issuance of a special permit. Special permits may be issued only for uses which are in harmony with the general purpose and intent of the . . . by law, and shall be subject to general or specific provisions set forth therein; and such permits may also *impose conditions, safeguards and limitations on time or use*" (emphasis supplied).

¹ Conditions numbered 7 and 8 read (in part):

"7. The special permit here granted shall terminate automatically on the date that Petitioner alienates the title he now holds to his property. . . .

8. Subject to condition no. 7 . . . [this] special permit . . . shall be for a period of three (3) years from the date of this decision. . . . [It] shall be renewed automatically for successive three-year periods provided that a written request for renewal is made to . . . [this] Board . . . not less than three (3) months prior to the expiration of the then-existing three-year period. Publication of notice of said request shall be made in the same manner as would be required for an original application for a special permit. . . . Said notice shall state that the renewal request will be granted automatically unless, prior to the expiration of the then-existing permit, a written objection to the renewal, stating . . . reasons . . . is received by the Board. In the event . . . [of] such an objection . . . a hearing on the . . . renewal shall be held and shall proceed in a manner identical to the course of proceedings in connection with an original permit application."

The town's zoning by-law in S 6.2(f) provides that the board may grant a special permit for stated uses even in an R-1 district "with the written advice of the [p]lanning [b]oard in each case [including] (f) private, non-commercial radio . . . towers; provided that a permit to erect and maintain such a tower in connection with the operation of an amateur radio station shall not be denied unless the safety of the public will be endangered by such erection or maintenance" (emphasis supplied). Section 13.1.2 of the by-law provided that height limitations in the by-law (ordinarily thirty-six feet in an R-1 district) "shall not apply to radio . . . towers, permits for which have been granted under [s]ection 6.2(f). . . ."

The board removed to the Superior Court the petitioner's complaint, filed in a District Court, seeking review of the board's conditions. A superior Court judge, after a de novo hearing, made comprehensive findings warranted by the evidence and concluded that the tower "not only [will] meet minimum safety standards but will have a significant safety factor." Judgment was entered stating that the board's decision did not exceed its authority. The petitioner appealed.

1. The judge correctly ruled that condition no. 7, making the permit "personal to the" petitioner, was valid and appropriate. See *Maki vs. Yarmouth*, 340 Mass. 207, 213 (1960). Condition no. 7 is consistent with G. L. c. 40A, S 9, and with the by-law. At the arguments, the petitioner objected that, if he were by deed to convert his individual title to a tenancy by the entirety with his wife (see G. L. c. 184, S

7. as amended through St. 1979, c. 239, S 1) or otherwise to provide for her to share in it, as e.g., by revocable trust, compare *Sullivan v. Burkin*, 390 Mass. 864 (1984), it would result in a termination of the special permit under condition no. 7. We concur with the concession by the town's counsel that condition no. 7, although somewhat confusing in its imprecise terms, compare *Shuman v. Aldermen of Newton*, 361 Mass. 758, 766-767 (1972), was intended to cause the permit to lapse only if the petitioner ceased to have a substantial ownership and use interest, direct or beneficial, in his present land.

2. Condition no. 8 was ruled correctly, on the basis of the evidence before the judge, to be an appropriate method of preserving an opportunity to the board (and to others with standing) to obtain, at least every three years, board review of the continuing safety (in actual use) of the metal tower, a structure which obviously may be subject to deterioration if not properly maintained and repaired. As to maintenance, a witness called by the petitioner recommended inspections of the tower, its bolts, connecting sections, and guy wires, twice a year for rust and to be sure "everything is safe." The board reasonably could have provided that the permit should expire at the end of the three year period, so that complete reapplication would have been necessary. Condition no. 8 is much less drastic. "[T]he safety of the public," of course, under the present by-law, is the only consideration which the board may take into account in the circumstances of this permit in the event of an objection to its renewal. Such an objection may be based only on public safety grounds.

Chapter 40A, S 9, first par., expressly allows in special permits "limitations on time or use." If and when the by-law is amended, or if a renewal permit is denied for reasons other than the public safety, it will be soon enough to consider questions prematurely suggested by the petitioner (and by a largely inapposite brief of an amicus curiae) concerning conceivable (1) abuses of condition no. 8, or (b) board action based upon by-law amendments which may never take place. See as to questions discussed in the brief of the amicus curiae, *Sleeper v. Old King's Highway Reg. Hist. Dist. Comm.*, Mass. App. Ct. Adv. Sh. (1981) 609, 613-614.

3. The board did not discriminate against the petitioner merely because it began, with the petitioner's application, to impose (as compared with its actions with respect to towers earlier erected in Lincoln) more adequate provisions to protect the public's safety in granting this permit to this petitioner. See *[13mMiddlesex & Boston St. Ry. v. Board of Aldermen of Newton]*, 371 Mass. 849, 852-853 (1977).

Judgment affirmed

Fred Hopengarten vs. Board of Appeals of Lincoln

Fred Hopengarten, KIVR

Tom, KIKI thought that club members would be interested in the outcome of my case. I could write an article, but then it would be colored by my perspective. Instead, I suggest that you shrink the text and print it in full. Those who are interested will squint.

I emphasize that the case is based on the particular by-law of Lincoln, MA and the particular decision issued in my case.

I lost my claim that 3 years was an arbitrary period for renewal. The court held that the Town had wide latitude and that the statute permitted special permits limited in duration.

I won my claim that the only relevant objection which could trigger a hearing had to be based on safety. The court declined to rule, at this time, on whether I would get the benefit of status as a prior existing use should the by-law ever be changed.

I also won my claim that the permit ought not to expire if I transferred title from sole ownership in fee simple absolute to tenancy by the entirety with my wife or a marital trust.

CONSTITUTION

PREAMBLE

We, the undersigned, wishing to secure for ourselves the pleasures and benefits of the association of persons commonly interested in Amateur Radio contesting, constitute ourselves as the Yankee Clipper Contest Club and enact this constitution as our governing law. It shall be our purpose to promote radio knowledge, fraternalism and individual operating efficiency, and to so conduct club programs and activities as to advance the general interest and welfare of amateur radio in the community.

ARTICLE I

All persons interested in amateur radio contesting shall be eligible for membership. Membership shall be by application and election upon such terms as the club shall by its By-Laws provide.

ARTICLE II

Sec. 1 - The officers of this club shall be: President, Vice President/Activities Manager, Secretary, and Treasurer.

Sec. 2 - The Vice President/Activities Manager shall assume all the duties of the President in the absence of the latter, and he shall plan meeting programs and similar activities.

Sec. 3 - The Secretary shall keep a record of the proceedings of all meetings, keep a roll of the membership, and carry on all club correspondence, including furnishing a list of eligible participants to ARRL. He shall perform all other duties customary to the office of Secretary.

Sec. 4 - Vacancies occurring between elections must be filled by special elections at the first regular meeting following the withdrawal or resignation.

Sec. 5 - Officers may be removed by a three-fourths vote of the members attending a regular meeting.

ARTICLE III

Sec. 1 - The President shall preside at all meetings of this club pursuant to the Constitution and By-Laws of the club. He shall perform all other customary duties pertaining to the office of President.

Sec. 2 - The Vice-President shall assume all the duties of the President in the absence of the latter.

Sec. 3 - The Secretary shall keep a record of the proceedings of all meetings, keep a roll of the members and carry on all club correspondence. He shall perform all other customary duties pertaining to the office of Secretary.

Sec. 4 - The Treasurer shall receive and account for all monies paid to the club and on behalf of the club. At each regular meeting he shall submit a statement of receipts and expenditures.

ARTICLE IV

The President shall, at the beginning of his term of office, appoint an Advisory Committee to assist him in the operation of the club. The President shall attempt to have different members serve in these posts in order to provide for diversity in the operation of the club. The members of the Advisory Committee shall not have additional voting privileges.

ARTICLE V

The By-Laws shall provide for regular meetings at such times and places as shall be conducive to maximum attendance.

ARTICLE VI

The club, by majority vote of those present at a regular meeting, may levy such dues as are deemed necessary for the operation of the club. Payment of current dues shall be a pre-condition for continuing membership.

ARTICLE VII

Sec. 1 - This club shall enact appropriate rules to minimize interference in operation between stations of its members; it shall formulate adequate plans for disposition of any cases of interference to other radio services where reported as caused by any amateur radio station operation in the area of club jurisdiction. The club shall also maintain a program to foster and guide public relations.

Sec. 2 - The club shall submit a club score in all major contests for which there is a club competition. Club members shall be encouraged to participate in all amateur radio contests, with particular emphasis given to the American Radio Relay League Sweepstakes, DX contests, and Field Day, and the CQ WW DX contests and WPX contest.

ARTICLE VIII

This Constitution or the By-Laws may be amended by a two-thirds vote of the members attending a regular meeting. Proposals for amendments must be submitted to the general membership prior to a regular meeting; proposals for amendments must then be submitted to the Secretary in writing at a regular meeting and voted on at that meeting.

ARTICLE IX

Robert's Rules of Order shall govern at all regular club meetings.

BYLAWS

1. **CLUB JURISDICTION.** The center of the club shall be the area between Staffordville, Connecticut, and Wales, Massachusetts. The jurisdiction of the club shall encompass an area within a radius of 175 miles of the above location.
2. **MEMBERSHIP.** New members shall be enrolled after attendance at a regular meeting, presentation of an application to the club Secretary, and payment of current dues.
3. **MEETINGS.** Regular meetings shall be held four times each calendar year at such places as the President shall order pursuant to Article V of the Constitution. In order to be conducive to maximum attendance, efforts should be directed to conducting meetings as near as possible to the Interstate Highway system in the following areas: 1 meeting Hartford, 1 meeting Springfield, 2 meetings Worcester.
4. **ELECTIONS.** Elections shall be scheduled pursuant to Article II of the Constitution. Nominations, properly seconded, shall be received by the President from the floor. Upon close of nominations, a secret ballot shall be conducted by the Secretary; this ballot shall be repeated, the nominee receiving the least votes being dropped from the ballot, until a nominee has received a majority of votes cast. This process shall be repeated until the offices of President, Vice President/Activities Manager, Secretary, and Treasurer are filled.
5. **ADVISORY COMMITTEE.** The Advisory Committee shall be appointed pursuant to Article IV of the Constitution. The Advisory Committee shall consist of positions such as deemed necessary by the President. Area coordinators shall be appointed for such areas as deemed appropriate by the President. These coordinators shall be responsible for serving the interests of members in their area, furnishing contest logs, assisting in antenna projects, helping procure transportation to club meetings, and recruiting new members.
6. **DUES.** An annual dues assessment of \$10.00 is hereby levied pursuant to Article VI of the Constitution to meet current club operating expenses. Family members residing at one domicile shall enjoy membership on payment of one member's annual dues. This will grant full membership to all amateurs in said family and entitlement to one club newsletter which will be sent to one domicile. Students shall enjoy full membership on payment of one half of the annual dues assessment.

Constitution and Bylaws enacted 9 April 1977 and amended 19 January 1980 and 12 April 1980.

ARRL Contest Advisory Committee

Members as of February 10, 1984 (reprinted from NCJ)

Atlantic Division

Phil Koch, K3UA, 122 Lang Drive, Coraopolis, PA 15108

Canadian Division

Bob Nash, VE3KZ, 5260 Fourteen Sideroad, RR 6, Milton, Ontario, Canada L9T 2Y1

Central Division

Gerald Brunning, K9BG, 15 Tilipi Court, Schaumburg, IL 60192

Dakota Division

Charles Tift, AK0T, 1818 Ave. D East, Bismarck, ND 58501

Delta Division

Steven W. Kercel, AA4AK, Route 4 Box 114, Seymour, TN 37865

Great Lakes Division

David Pruett, K8CC, 33136 Hampshire Road, Livonia, MI 48154

Hudson Division

Lewis Tompkins, N2LT, RD 1 Box 246A, Stockton, NJ 08559

Midwest Division

Lynn Hanson, KN0O, 3606 Court Street, Sioux City, IA 51104

New England Division

Doug Grant, K1DG, 157 Catamount Road, Tewksbury, MA 01876

Northwestern Division

Robert Turner, AG7M, 4502 178th Ave. E, Sumner, WA 98390

Pacific Division

George Varvitsiotis, WB6DSV, c/o Ham Radio Outlet, 999 Howard Avenue, Burlingame, CA 94010

Roanoke Division

Jeffrey Hartley, N8II, Rt 1 Box 415, Bunker Hill, WV 25413

Rocky Mountain Division

George E. Schultz, W0UA, 14891 Randolph Pl., Denver, CO 80239

Southeastern Division

James White, K1ZX/4, P. O. Box 524314, Miami, FL 33152

Southwestern Division

Larry Tyree, N6TR, 1850 Stow Street, Simi Valley, CA 93063

West Gulf Division

Randall Thompson, K5ZD, 1708 Lake Haven Drive, Irving, TX 75060

Board of Directors Liaison

Tod Olson, K0TO, 292 Heather Lane, Long Lake, MN 55356

Staff Liaison

Bill Jennings, K1WJ, c/o ARRL

The **Scuttlebutt** is the newsletter of the **Yankee Clipper Contest Club** and is mailed about nine times per year to all paid up members. Dues are \$10 per year, payable 1 April with a grace period through 30 June. Non-members may subscribe to the **Scuttlebutt** by sending \$10 to the Treasurer: Charlotte Richardson, KQ1F, 11 Michigan Drive, Hudson, MA 01749. Subscribers who subsequently become members will be credited as having paid dues.

The **Yankee Clipper Contest Club** (an ARRL Affiliated Club) holds four official meetings per year, on Saturday afternoons in March/April, October (at the New England Division Convention when possible), November/December, and January/February. Also, W2YV hosts a summer social gathering each July, usually on the second weekend after July 4. Attendance at an official meeting is required in order to become a member. Club members congregate on 3830 Khz Monday evenings; many routinely monitor this frequency other evenings as well.

Rosters are mailed to all paid members each summer. For more information and/or assistance, contact the area manager nearest you on the following list:

Area	Call	Name	Home	Work
CT/RI	K1KI	Tom Frenaye	(203) 673-5429	(203) 275-5116
EMass	W1FJ	Al Rousseau	(617) 598-3744	(617) 599-7500x173
WMass	W1GG	Gary Gaudette	(413) 443-3404	(413) 494-4047
VT/NH	KM1C	Bill Pedersen	(603) 673-1678	
ME	K1SA	Bernie Cohen	(207) 773-6589	(207) 797-3585
NNY	K2VV	John Yodis	(518) 843-3897	(518) 370-4200x576
SNY/NJ	K2EK	Bill Gioia	(914) 221-1672	(212) 888-2102

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