

# ZERO BEAT

HAMPDEN COUNTY RADIO ASSOCIATION, INC.

Springfield, Mass.

ARRL Affiliated, 32nd Year

October, 1980

## HAMPDEN COUNTY RADIO ASSN.

### ANNUAL AUCTION

Friday Oct. 3, 1980

Feeding Hills  
Congregational Church  
Corner routes 57 and 187  
Feeding Hills, Mass.

7:00 - 11:00 PM

### Auction Rules

All items must be clearly labelled with your name and call.

Club takes 10% of all sales.

No minimum. Seller bids to protect his own item. No charge if the seller buys his own item.

Items donated to the club for sale should be labeled as such.

Seller guarantees the item, not the club.

The club reserves the right to refuse or move to the end of the line, items that most people would regard as JUNK.

This is a great opportunity to pick up those items you need to restock your spare parts box and get those parts you need start that homebrew project you have been promising to build. See you there....

### ZERO BEAT LABELS

It has been necessary for us to find a new source of labels for ZERO BEAT.

The label on the current issue was printed in early August and may not reflect dues paid by you since that time or corrections which you may have requested. We expect that new labels will be available to us for the November issue with all updates.

Thank you for your patience during the transition period.

## CALLBOOKS

The club has made arrangements with the publisher of the U.S. and Foreign Callbook for special club prices for club members for the 1981 editions.

The U.S. callbook may be ordered thru the club for \$15.00 (publishers list at \$17.95) and the Foreign callbook may be ordered for \$14.00 (publishers list at \$16.95)

You **MUST** be a club member to purchase the books at these special low prices.

Orders must be placed no later than Friday November 4, 1980, Please send your order, together with your check or money order to:

Hampden County Radio Assn.  
c/o Paul J. Kress, WALZKT  
216 Eastwood Drive  
Westfield, Mass. 01085

All checks or money orders should be made out to the club. NO CASH, PLEASE.

Additional orders will be accepted after November 4, 1980, but delivery may be delayed while the publisher fills the early orders.

## CHRISTMAS PARTY

The third annual HCRA/MTARA Christmas Party will be held Dec. 5, 1980, at the Holyoke Lodge of Elks. This is the same location as last year's party which was a huge success. We will have the same caterer who has promised even greater quantities of the same delicious food we had last year. (Apparently amateurs eat more than most people)

Tickets will be \$9.00 per person and will be available from both clubs at we approach the Christmas season.

We are soliciting door prizes and contributions will be welcomed.

HAMPDEN COUNTY RADIO  
ASSOCIATION, INC.

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Ron Beauchemin WBLETS 593 9852

VICE PRESIDENT

Ed Pepyne NIASC 628 3368

SECRETARY

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CORRESPONDENCE

216 Eastwood Drive  
Westfield, Mass. 01085  
Tel: (413) 568 8291

NOTICE

Dues should be sent to your  
new treasurer:

GREG STODDARD, NLAEH  
15 Chestnut Circle  
West Suffield, Conn. 06093

The dues schedule has been  
changed this year - would you be-  
lieve down.

First family member \$ 7.00/yr.  
All other family  
members - each \$ 5.00/yr.

Please enclose an SASE if you  
want a membership card returned by  
mail.

THANKS

The officers, directors and club  
members wish to extend our warm-  
est thanks to Norm, Jean, Bill and  
Heather for the outstanding presen-  
tation at our first meeting. We all  
enjoyed, vicariously, a trip to the  
tropic climes in the Carribean where  
the only thing we had to worry about  
was the band to use and whether we  
went swimming in the morning or the  
afternoon.

The well travelled quartette will  
present their trip at the ARRL con-  
vention in Boxborough this year.  
You can watch the slides again and  
look forward to your own trip.  
What time are cocktails.....

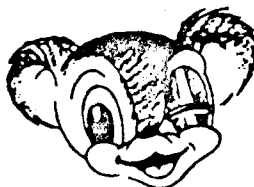
HCRA INFO NET

The Board of Directors has dis-  
cussed the continuation of the  
HCRA info net which had been held  
on ten meters on Monday nights.

It is the opinion of the board  
that the ten meter net may be  
outmoded as a result of the  
proliferation of two meter equip-  
ment. Lack of check-ins in the  
past two years and the difficulty  
of getting net control stations  
has also led to the demise of the  
net.

As a result of the above, the  
board has voted to discontinue  
the net temporarily.

If you have any opinions as to  
whether the net should be re-  
established please let your  
club officers know.



"QUICK AS A WINK" PRINTING CO.  
454 MAIN STREET  
WEST SPRINGFIELD, MA.  
TELEPHONE (413) 736-8184

HOME BREW PROJECTS

The club will continue to encourage homebrew projects and try to make help available to those who want to try their hand at building their own equipment or accessories.

Your editor has found that many of the hams in the club are very, very generous at providing hard to get parts and technical assistance to those who are struggling with a project.

If you are thinking of trying this rewarding pastime either to cut costs or just for the fun of it now is the time to start. Let your editor know if you want help or if you need some parts. We will publish your needs in ZERO BEAT and see what comes of it all.

A special table will be set up at the November meeting which will feature homebrew items made by club members. Please try to bring one, or more, of your projects to display at the meeting for the benefit of those who may have some doubts about their skills.

WANTED

A supplier of aluminum for chassis at nominal cost to club members.

If you have the facilities and you are willing to form chassis for club members at nominal prices, please contact the editor of ZERO BEAT.

FOR SALE

TEMPO/fmh handi talkie with BNC connector, carrying case, charger, NiCads, helical antenna. Crystalled for 94/94, 52/52, 04/64, 22/82, 40/00, 34/94. Built in Touch-tone pad. Mint condition and recently aligned. \$150.

Paul Kress, WALZKT  
(413) 568-8291

HELP WANTED

Assistant Editor for ZERO BEAT.

If you are interested in making a contribution to the club, this may be the opportunity for you. The editor of ZERO BEAT will retire at the end of the current club year and will train his replacement.

ZERO BEAT is a well established club newspaper with a good supply of contributors. The only requirements for the job is an interest in the club. Please contact Paul Kress, WALZKT, if you are willing to assist with the paper during the year with full responsibility to be yours in the 1982-1983 year.

NEW MEMBERS

We welcome the following new members to the HCRA:

Pete Ouellette, N1AGV

Larry Smith, N1BDH

Yorke Phillips, K1BXE

Betty Phillips, WB1FIQ

Roger Phillips, KA1FXH

We trust that they will be warmly received and that they will find the HCRA to be as helpful and enjoyable as the rest of us do.



"I CAN COPY THIRTEEN ITTY-BITTY WORDS A MINUTE."

(Courtesy, The Spark Gap)

NEED A TOP\*FLIGHT, HOME\*BREW HF ANTENNA?

Four years ago, when I was about to move to Wilbraham, W4AD/TI2AD, Lou De La Fleur (a silent key since last month), sent me complete detailed plans for his TI2AD 3-band quad and associated home-brew spider. The design uses a single feedline and provides 1/8 wave length separation between driven loop and reflector loop on 10-15-20 meters. The spider is of welded construction using 1-inch angle iron throughout and weighs approximately 16 pounds.

I would have built this antenna myself when we first moved from Maryland if I had known how to find an expert welder who could achieve a precision assuring that the quad loops would lie in parallel planes. I still want to if anyone can find me such a welder. Lou and the friends who had copies of his antenna had, or have, some of the best signals coming out of Central and South America.

I will be happy to provide anyone who wants the TI2AD Quad plans with copies of the 4 sheets of drawings and detailed instructions that Lou sent me for just the 50 cents it costs me for first-class duplication. In a way, it is a memorial to Lou, who was always generous in helping any Ham who called on him.

In return, if anyone can put me in touch with a welder who can and will turn out a spider of acceptable accuracy, I would be most appreciative. Maybe if enough HCRA members are interested, a job lot of spiders would make preparation of a suitable jig more attractive.

Bert, WB1DTZ

(Editor's note: Thanks to Bert for submitting this info to ZERO BEAT. Additional info is presented on the next two pages but is not complete due to problems in reproducing large scale drawings. Complete details are available from Bert)

# COMCAP, S. A.

COMUNICACIONES CENTROAMERICA - PANAMA. S. A.

SAN JOSE, COSTA RICA

CABLES "COMCAP"

Tel. 32-63-48

November 9, 1976

Dear Bert,

Just a short note to enclose the drawings of the boomless quad. Anyone who can weld can put the center spider together very easily and using 1" angle iron, you can actually use less length in the square cross members but the angle irons that support the spreaders have to be long enough so that when you put the spreaders in you will have at least 13'2" from the center of the cross pieces to the ends of the spreaders. The spreaders you can get on the market from Shakespeare or other manufacturers usually run 12'6" in length so the angle iron has to make up the additional 8 or 10 inches.

To put it in the diamond configuration, the pipe support should be welded to the end of one of the square cross members.

The design is very flexible as to making adaptations to it. The important dimensions are the wire lengths which should be tuned and adjusted before raising the tower (easy with a crank-down, tilt-over tower) and the 19° angle which gives the one-eighth wavelength spacing on all bands.

I have modified the 10 meter section by putting an insulator on each side so that what you have is really a dipole (bent) with another dipole (also bent) above it but excited parasitically. This minimizes the interaction which may be evident when on ten meters and caused by the twenty meter element. There is no interaction when on twenty from the ten meter element in either case.

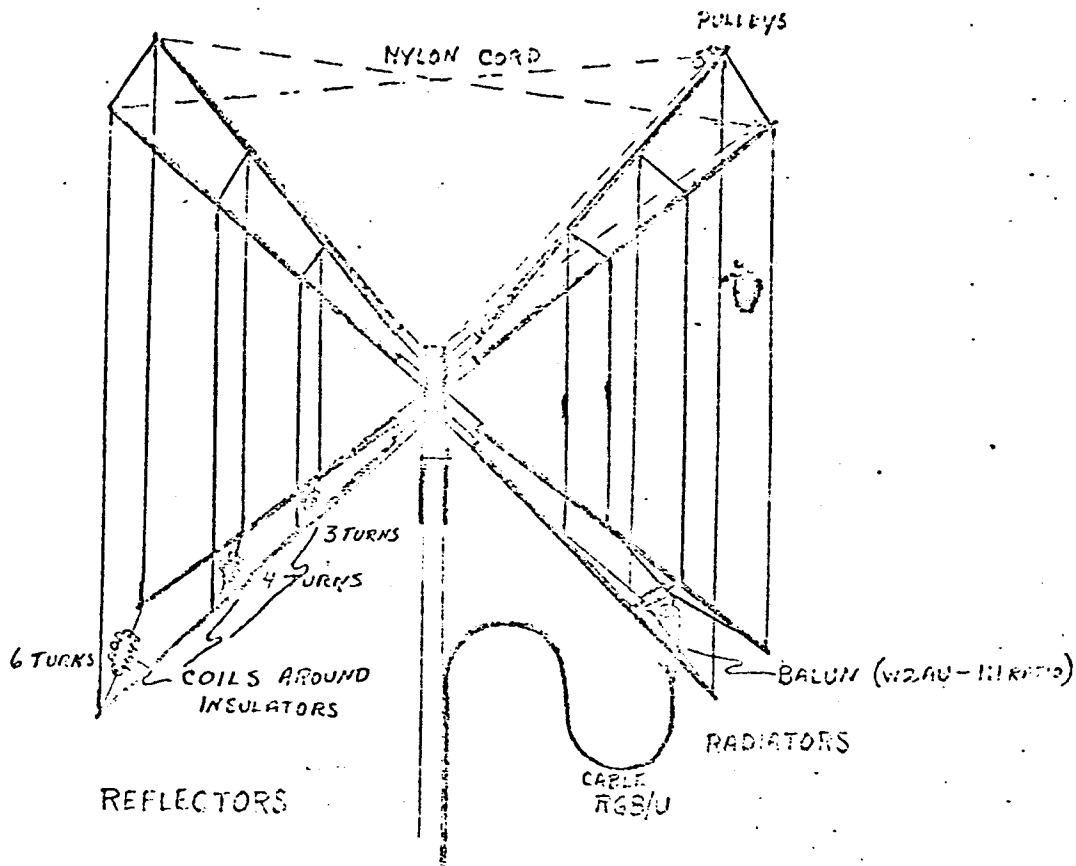
The diamond configuration gives better drainage of water and sleet during icing conditions. A simple TV rotor will turn the whole array but is not recommended because they are not built substantially enough.

Will see you on the air if you have any questions or drop me a line. Must run now as am late for a job! 73.



Louis E. DeLaFleur TI2AD/W4AD

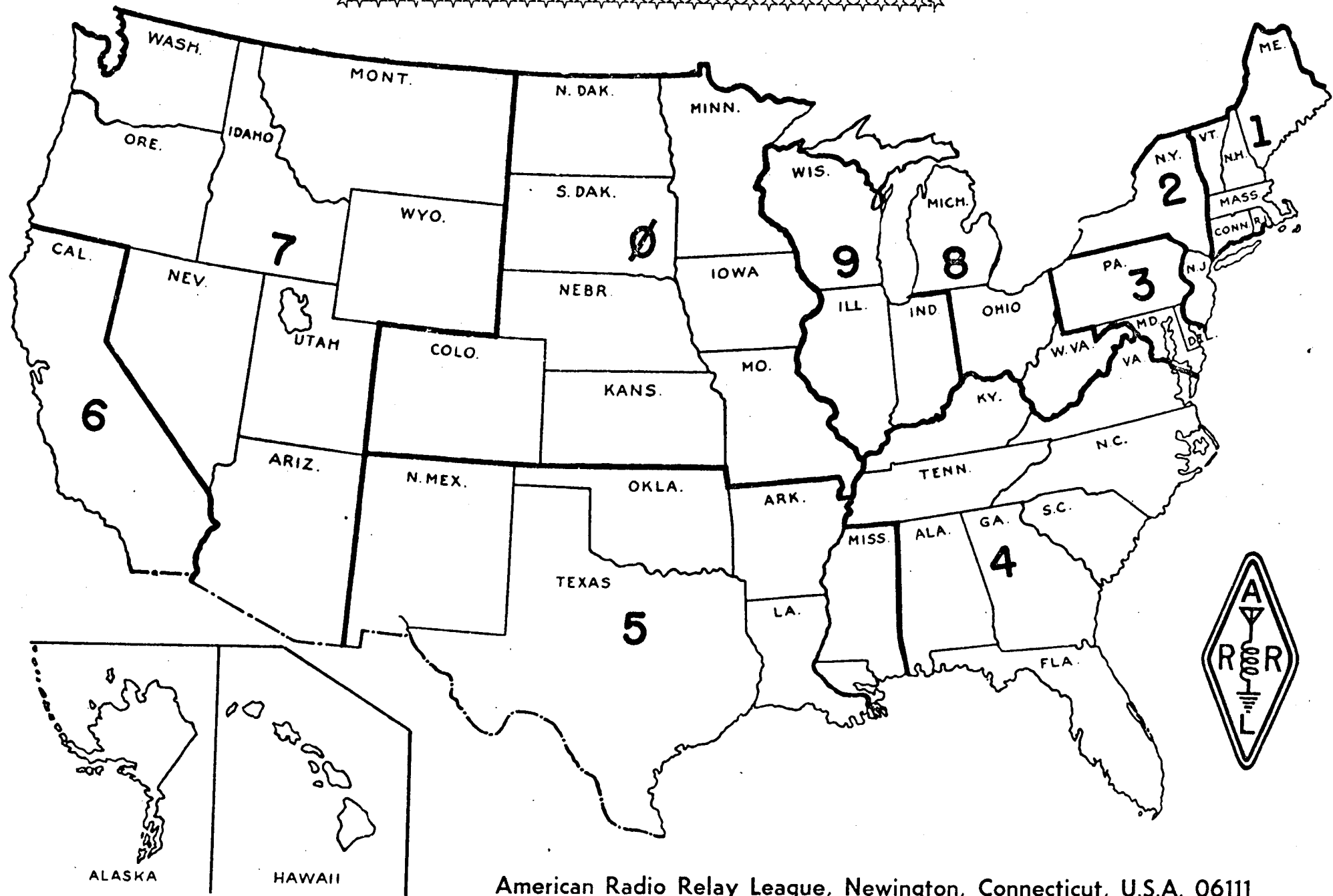
TI2AD DIMPLESS QUAD ANTENNA



Make all coils self-supporting, and not touching insulators except at end support points. Coils should be approximately 1 1/2" in diameter with turns spaced 1/8" to 1/16" apart. Adjustment of the reflectors is accomplished by squaring the turns together (to effectively lengthen the reflector) or spreading them apart (to effectively shorten the reflector.) The balun should be used if available-otherwise connect the coaxial cable (RG8 or RG11U) directly across the insulator.

TI2AD/24M

# ARRL WAS MAP



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American Radio Relay League, Newington, Connecticut, U.S.A. 06111

HALLICRAFTERS IS BACK  
From Red Rose Repeater Assn Timed-Out Times

While trying to rebuild a Hallicrafters SR2000 I learned the most recent twist of the company's fate. A letter dated Sept. 5 1979 from a Mrs. Peggy Hicks, Customer Service Manager, Hallicrafters Company stated that the company is moving from Arlington, Texas to Miami, Fla and they "are awaiting completion of a new building."

In previous work with the company I learned that manuals for all of their equipment could be obtained from a company in Illinois (whose relationship to Hallicrafters is unknown). The cost is reasonable compared to the time lost working without manuals or schematics. The address for this company is: ARDCO Electronics, P.O. Box 95, Berwyn Illinois 60402.

In the latest communication with Mrs. Yvonne Williams, Order Processing Manager, Hallicrafters Company, the company was never out of the communications business and is quite heavy in trade overseas in communication systems. I asked if there was a possibility that Hallicrafters might re-enter the amateur market and received the answer that it would depend on the growth of the Amateur Service and International trade conditions changing.

For those wishing to communicate with Hallicrafters, the latest (Nov. 9, 1979) address is: Hallicrafters Co., Suite 125, 10711 S.W. 216th Street, Miami FL 33170, or phone: (305)251-0485 or 251-4318.

Hampden County Radio Association, Inc.  
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