

OCT. 1973



Sketch of the Warnock Award given each year to the member who contributes the most outstanding article to the Radio Watch. Trophy is 14" high and 10" wide and would make a beautiful addition to your shack. Award is provided by Frank, K8NLM in memory of his Father. There are only two more issues this year.... so send in your article. - K8IKT

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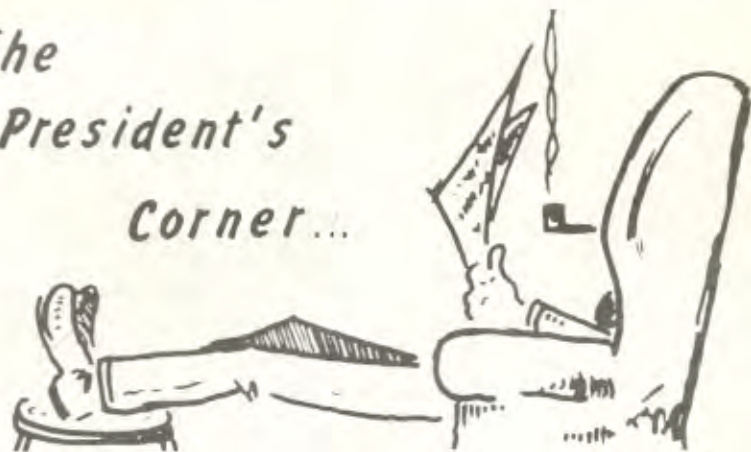
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Members' advertisements of a non-commercial nature are accepted free of charge, with no responsibility for the items offered. Commercial advertising rates upon request.

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Copy deadline is the 15th of the month preceding publication. The WATCH goes to press approximately the 5th of the month of publication.

...The
President's
Corner...



It doesn't seem possible that the year has flown by so fast. As you read this October will have arrived, the crisp feel of Fall is in the air and Old Man Winter will soon be upon us. I hope that each and every one of you has had as pleasant a Summer as we have had here in Kentucky. Since returning to work after my illness I haven't been on 40 very much. Before leaving for work in the morning I can seldom hear Service Control, and when I return at night the foreign broadcast has taken over. I have been operating some on 2 meters for a couple of months and I feel that 2 can be very useful as a supplement to Midcars operation, with all the repeaters in operation around the country.

...

Plans are afoot to strongly reactivate Midcars on 3903 in the evenings. During the Summer the activity has been light but with the coming of Winter and the relatively early drop-out of 40, 75 meters can and should serve as a very useful communications medium for Midcars operation. Let's all get on 3903 as often as possible and be ready to assume Service Control when we are needed.

...

The vote is in on the proposed dues increase. The increase was approved by a heavy majority, the ratio being about 10 to 1. It is hoped that everyone will check the expiration date on his Watch and renew promptly. When the 1972 operating report is issued early next year, it will be readily apparent to everyone why a dues increase was essential.

...

My thanks to the many who have expressed approval of my letter in last month's Watch. I do not like controversy of this sort and would not have replied had Midcars not been publicly attacked in so reckless a fashion.

...

There have been many inquiries about the new decals. The response to the 50 cent plan has been slow. One member says he is tempted to order 100 in order to get the ball rolling. So Jim, W9GET/8, and I will act as "angels", to use a theatrical term, and contribute \$5 each to the decal program. We need about 15 more "angels", as \$5 each so that we can place the order. A careful record will be kept and as soon as practicable the \$5 will be refunded to each participant. Want to be an "angel"? If so, send the money to Jim muy pronto.

73, Bill, K4DLA



EDITOR:

Thanks for mentioning us in the "Watch". Having a wonderful experience since I retired from the Air Force and finally got back among the local fellows and especially my association with Midcars.

The XYL and I are presently settled in Paragould, Ark. Operating at present with HW-22A, SB-200 into an inverted "V". We operate mostly on "58" and really enjoy being of assistance when possible. Myrt (the XYL) doesn't have her license as yet, but we are working on it and hope to have her at least a Novice by the end of the year.

Just ordered an SB-102 today, so if I ever get the thing put together we can work a few other bands.

Would like to express my appreciation to all members and potential members for their cooperation when we have had the opportunity to be Service Control. It's an unforgettable experience at the least, Hi. Think every member should give it a try.

Have already renewed my membership and urge all other members to do so on their anniversary, CU on 58, Bob.

73, Al, W5CZP

...

GALLANT BUD, W9CCB

While on a recent trip through S. Dakota a YL with a blown tire flagged Bud down for assistance.

Through Midcars, he contacted Bill, WB0ZYC, who called the Sheriff's Dept. in S. Dakota and they in turn came to her rescue.

Bud also suggests that motorists carry a couple of bricks or a short log to block the wheels when changing a tire.

NOTICED THE PRICE OF HAMBURGER LATELY?

Or gas? Or shoes? Or anything for that matter! Well the crunch has hit Midcars too.

As you know, we're a non-profit organization and no one makes a nickle on the deal, but the economic facts were recognized and the members voted to increase the dues to \$5.

So, take a look at your address label on this issue of the WATCH. Your expiration date appears there.

You get all the fun, activities and the Radio Watch for a year for the five bucks. Not bad! Please renew when your month appears, as there is no other reminder.

Send \$5 dues to Jim, W9GET/8.

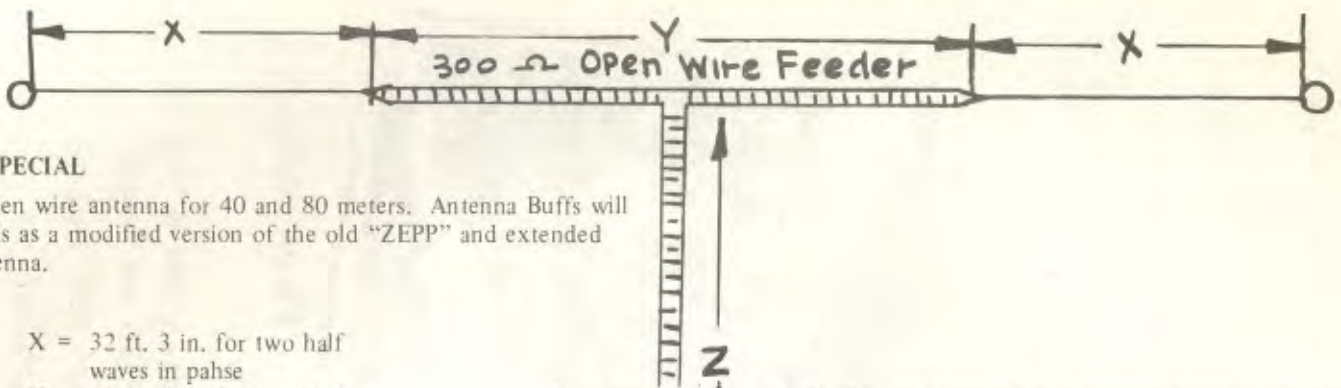
NEW MEMBER CORNER -



PAUL, WABASQ

Paul is active on all bands including 2M in the Detroit area. Occasionally we QSO on that band and have been known to split an 807 or two. It was a tough selling job, but he finally joined Midcars. Hi. Notice the complete shack surrounding Paul.

Hope to hear him on Midcars, often.



MIDCARS SPECIAL

300 Ohm open wire antenna for 40 and 80 meters. Antenna Buffs will recognize this as a modified version of the old "ZEPP" and extended "ZEPP" antenna.

- X = 32 ft. 3 in. for two half waves in phase
- X = 53 ft. 9 in. for two half waves in phase, extended
- Y = 64 ft. 6 in.
- Z = 60 ft. approx. - not critical

Two half waves in phase gives a theoretical gain of 1.8 db - tests indicate nearer 5 db if you can believe the "S" meters of MIDCARS members. 40 meter operation.

Tests over the past couple of years support the gain characteristics. A better arrangement would be for the Balun to be built into the TRANSMATCH. Due to small children present, and the subsequent, danger factor; I used the above configuration with X = 32 ft. 3 in. This also gives me a half wave on 80 (MIDCARS also operates there, for the benefit of the unknowledged!)

Fairly high SWR is present - use some type of matching device.



4:1 Balun
75 Ohm Coax

To XMTR

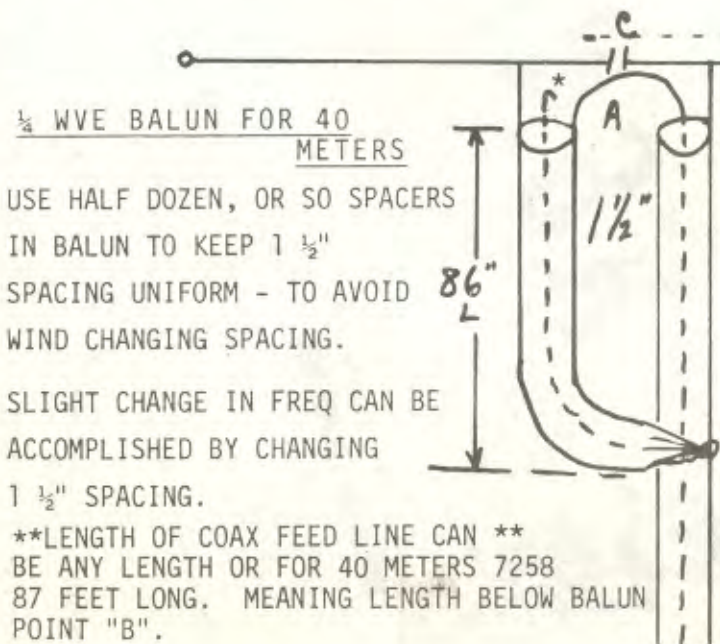
Transmatch
QST
JULY 1970

Submitted By:
Keith Hall, W4BOA

Extended configuration gives a theoretical gain of 3 db - both figures over reference dipole. 40 meter operation.

LICENSE FEES		U.S. AMATEUR FREQUENCY ALLOCATIONS	
Initial License	\$ 9	Extra Class	3,500 - 3,775 3,775 - 4,000
Renewal	\$ 9		7,000 - 7,150 7,150 - 7,300
New Class	\$ 9		14,000 - 14,200 14,200 - 14,350
Modification	\$ 4		21,000 - 21,250 21,250 - 21,450
Special Call Sign	\$25		28,000 - 28,500 28,500 - 29,700
Use FCC Form 610 and mail with appropriate fee to:			50,000 - 50,100 50,100 - 54,000
Federal Communications Commission			
Gerryburg Pa 17325			

ATTENTION NEW OR OLD MEMBERS
Send pictures, QSL's or ??? for WATCH



$\frac{1}{2}$ WVE BALUN FOR 40 METERS
USE HALF DOZEN, OR SO SPACERS IN BALUN TO KEEP $1 \frac{1}{2}$ " SPACING UNIFORM - TO AVOID WIND CHANGING SPACING.
SLIGHT CHANGE IN FREQ CAN BE ACCOMPLISHED BY CHANGING $1 \frac{1}{2}$ " SPACING.

**LENGTH OF COAX FEED LINE CAN BE ANY LENGTH OR FOR 40 METERS 7258 87 FEET LONG. MEANING LENGTH BELOW BALUN POINT "B".

L IS 86" LONG OVERALL.
EACH SIDE OF RADIATOR GOES TO BRAID AS SHOWN.
"A" CENTER CONDUCTOR TO BRAID ONLY
** OTHER CENTER CONDUCTOR FLOATS - NO CONNECTION
"C" EQUALS 200MMF 10M VOLT INSULATION USE TV "DOOR KNOB" TYPE CONDENSERS
BRAID TO BRAID ONLY AT THIS POINT. NO CONNECTION TO CENTER CONDUCTOR AT THIS POINT.

USE RG8U
Submitted By:
S.H. Byquist, KBVRM

K9MKM
WB9GJJ

OM

ZYL



Glen & Betty Cook
Terre Haute, Indiana

K8NLM

Radio

at

Xmtr

Rcvr

Remarks:

Ur

m

Mc

S.T.

Ant.

sig's were

19

Input

"73" Frank Warnock

1109 Graystone Drive
Dayton, Ohio 45427

Send your QSL

Card for publishing in

future issues of the Watch



Please Qsl Inx



SUPER DUPER DEAL ON DECALS

For half-a-bean you can get the snazzy four color Midcars decal shown above.

Send 50 cents (stamps, coin, yen, or whatever) to Jim, W9GET/8 and be the first on the block to display your decal.

Of if you feel like a capitalist, read Bill, K4DLA's column and be a MWARS angel.

...

FOR SALE:

Two Heathkit HP-23 Power Supplies for sale. One for \$30 and one for \$35. Contact Dave, K8LOV (517) 563-2252 or write Box-22, Hanover, Mich. 49241

...

OLD TIMER, KØWKS

Most Midcars members have had the opportunity to talk to one of the sweetest XYL's on the bands, Mary, KØWKS.

But did you know she becomes an old timer (ess) in January 1974. Congratulations, Mary.

Here's to many more QSO's!

...

Midwest Amateur Radio Service 7258 kHz
3903 kHz

QUIPS FROM THE SEC/TREAS

W5CZP/5 - TNX for a job well done!

K9CEG - I think Midcars is a mighty fine Service and a very fine group. I check in almost daily from Fargo, N. Dakota to Key West, Florida.

WA9PDS - Midcars is the greatest Service on the ham bands. Looking forward to many years of operation. It's great to be aboard.

WBØDKK - I have found many friends in ham radio, and many fine people associated with Midcars . . . an outstanding Service.

WBØESF - It is a pleasure to be a member of Midcars for the fine work that is being done by a fine group.

WAØKMF - TNX for all your hard work - I for one, really appreciate it.

The above are from the August Mail Bag. Let's all support the decals, send your requests soon.

73, Jim W9GET/8

EDITOR:

Some time ago I received tech data on a Distributed Capacity Coaxial Dipole Antenna. Its been around for some time and everyone that has used it finds the results excellent. If appropriate, you may run an ad in Radio Watch, offering a copy of the article free for the asking. I have it on a good mimeo, and its 3 pages long, with data for each of the 5 major bands. I will mail a copy to anyone upon request. (I guess I better include a copy so you will know what I'm talking about.)

73, Frank, W3GQM

(Ed. Note. Contact Frank at 6201 Roanoke Ave., Riverdale, Md. 20840 for free copy.)

WB9KUZ SPEAKS OUT . . .

I called CQ while working on my set
 And yet someone told me I QRM'd a net
 These bands are most crowded and frequencies not clear
 And yet when someone moves, a net is always near.
 I look and search and go to church to say a little prayer
 That I won't be on a net when I get on the air.

I tell you then I tell you now when I get on the air
 These d--- nets are more than I can bear.

Please be advised when I'm getting my little biddy spot
 I stay right there and maintain my little biddy slot.

Old FCC keeps an eye on me along with ARRL
 Yet if you please all you nets go right straight to h---

WB9KUZ, Poet Laureate of Midcars

MAKE AN OFFER . . .

Drake R4A receiver. Like new. Will accept the best offer. Cash or trade. Sideband Engineers SB21A Linear with spare tubes. Manual included. Best offer. Homebrew nine element beam. \$75 or best offer. I'm in the market for a good used Drake TR4. Charles, WABYRU

...from the shack



of K8IKT

EDITORIAL

This time of the Year, I'm always reminded of Joe Ham who goes out and sniffs the frosty air to see how the band will be tonight.

With that in mind, Midcars has started up again on 3903. If you've got a 75M hair-pin up, get in on the action in the evening.

As for me, I unfortunately wait 'til there's snow on the roof before I get in the mood to start stringing wire. With the Fall days here, I'm not going to have to wait long. I'll be checking in on 3903 soon!

Well, the membership came through. You voted the \$5 dues in and it's still a good deal. If you've worked into other Services and Nets, I'm sure you'll agree we're one of the best ones on the bands. The extra dough will let us keep it that way!

By now, the election of 1974 MWARS Officers has been completed. Next month, we'll announce who the new group will be. Whoever they are, they deserve our full support and appreciation for giving of their time and effort for a sometimes thankless job.

And that goes for the current officers, too. From Bill, K4DLA to Paul, W9JLL to Jim W9GET/8 to Ed and Bud, our Directors and all of the coordinators, too. A tip of the ol' editor's hat to all of you, as we move into the end of a very productive and successful MWARS year.

73, Bob K8IKT

DOES YOUR CALL APPEAR HERE?

KØTMK	W4NIT	WB5HVE	WB8AYN	K9CEG
WØCC	W4MHN	K5PGR	W8PNW	WA9WEO

So that we may find out more about you and your ham activities, we're asking you to send the editor anything you wish about yourself.

It can be a picture and a few words about yourself, an article or story, your experiences with Midcars, a QSL card (altho, some I can't publish due to mechanics), a technical article, etc.

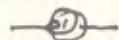
Preferably, it should be about you, thoughts you have about Midcars or anything pertaining to amateur radio. Deadline is the 15th of the month.

According to the odds, your call will appear in this "raffle" once in 10 years - so come on and send me something.

This, of course, does not mean that other members can't submit an article or picture. As I indicate in all issues of The Watch - any member is encouraged to send me material for publication.

MIDWEST AMATEUR
RADIO SERVICE
7258 & 3903 kHz

The All Day,
Every Day Service...
Where The Action Is!



Jim Moore, W9GET/8
Sec/Treas
7015 White Rd.
Muskegon, Mich.
49442.



FIRST CLASS

WA9VLK
VERN WEISS
719 W WATER ST
KANKAKEE

DEC
IL 60901