

VOLUME 10 NUMBER 1

JANUARY 1993

The ATCO newsletter is the official publication of a group of amateur television operators known as "AMATEUR TELEVISION IN CENTRAL OHIO" and is published quarterly (January, April, July, and October)

Membership in ATCO is open to any FCC licensed radio amateur who has an interest in amateur television.

Any re-publication of ATCO newsletter material without written consent is prohibited.

ATCO 1992 FALL EVENT REPORT

Our sixth annual fall event was held on Sunday October 4TH at the ABB Process Automation shelterhouse on Ackerman road in Columbus where sixteen people attended.

In attendance were the following:

KB2ARL Dave DiGiuseppe

N8CYV Blaire Standley

WA3DTO Rick White

WA8EOY John Schlaechter & XYL Betty

KA8GZQ Warren Duemmel

K8JGY Fred Yost

KA8WGX Martha Yost

KB8MDE Shaun Miller

N8OPB Chris Huhn

KE8PN Jim Easley

WA8RUT Ken Morris

N8TUU Maxine Duemmel

WB8URI Bill Heiden & son Zack

N8LRG Phil Humphries

Our thanks to the event chairman, Rick WA3DTO, and all assisting him for a most enjoyable afternoon.

(EDITOR'S NOTE: I remember sitting on the couch most of that afternoon watching football on TV thinking that there was something that I was supposed to do that day. At about 4:30 PM I suddenly realized just what it was and jumped up only to find that I missed the ATCO fall event. I'll try to not forget this year.)

IT'S DUES TIME AGAIN

Another year has rolled around, and it's dues paying time again. If "12-92" appears on your mailing label, then your membership has expired. Please fill out the form below and return it with your remittance.

ATCO MEMBERSHIP INFORMATION

Membership in ATCO (Amateur Television in Central Ohio) is open to any licensed radio amateur who has an interest in amateur television. The annual dues are ten dollars per person. Additional members within an immediate family are included at no extra cost.

ATCO publishes the ATCO newsletter quarterly in January, April, July, and October. The newsletter is sent to each member without additional cost.

The membership period is from January 1ST to December 31ST. New Members will receive all ATCO newsletters published during the current year prior to the date they join ATCO. For example, a new member joining in June will receive the January and April issues in addition to the July and October issues.

Your support of ATCO is welcomed and encouraged.

ATCO MEMBERSHIP APPLICATION

RENEWAL NEW MEMBER DATE _____
NAME _____ CALL _____
ADDRESS _____ HOME PHONE _____
CITY _____ STATE _____ ZIP _____
FCC LICENSED OPERATORS IN THE IMMEDIATE FAMILY _____

COMMENTS _____

ANNUAL DUES PAYMENT OF \$10.00 ENCLOSED CHECK CASH

Make check payable to Martha Yost (for Fred Yost-ATCO treasurer) & mail to:

Fred Yost K8JGY
330 Dellfield Way
Gahanna, Ohio 43230

NEW ATCO MEMBERS

We welcome Chris N8OPB and Rick N8QLD to our group. According to our policy, I'll send you the 1992 issues along with this issue.

WA8EOY UPGRADES LICENSE

Our congratulations go to John who now has his General Class ticket.

NEW TREASURER AND NEWSLETTER EDITOR NAMED

It is with regret that I must announce that Warren Duemmel has resigned from his ATCO acting treasurer/editor post for health reasons. Warren has been very instrumental in stirring up activity among the ATVers for many years. His excellent newsletter composition and article gathering expertise will be hard to match. Let's all applaud Warren's hard work to get us all this far!!!

Fred Yost (K8JGY) has agreed to take over the responsibilities of treasurer and make sure that our ATCO "fortune" is well handled. Fred, don't get any ideas about the stock market. After all, you know what happened to IBM stock lately. Besides, we'll potentially need some funds to support an ATV repeater and weather radar link if we can get it going. Send your membership dues to Fred's wife (KA8WGX), Martha, who graciously agreed to hold onto the money in the same manner that she holds Fred's.

I (WA8RMC) will take over the responsibilities of newsletter publication. I hesitate to call myself an editor for that sounds too formal but I **will** attempt to correct spelling errors on the many articles that I receive. (I do hope that many of you will send me articles so I won't have to make up preposterous fictional material just to fill the space.) I'm new at this newsletter stuff so bear with me for awhile. After I get more efficient at the computer keyboard and it takes less time to "HPC" the words out, I may try some new formats.....Any suggestions? Have any of you seen anyone else's newsletter that has noteworthy formats, article style content, topics and the like that could be emulated here? Let me know what you want!!!

NEW ATV INTERESTS APPEAR ON 147.45....MORE MEMBERS????

Listening to the activity on 147.45MHz has revealed three potential ATVers. We welcome the participation of NK8F Rich in Gahanna (K8JGY's neighbor), KA8ERS Rick in Columbus (Karl/Cooke Road area) and WD8EMS Lee in Groveport. I'll send them a complimentary copy of this issue to provide them with a membership application form. Hint-hint.

DAYTON ATV REPEATER UPDATE

I have found that the Dayton ATVers have been busy lately. The repeater is on a new 150 foot tower and the antenna has been changed to T phased Canadian horizontally polarized antenna array for both transmit and receive. The input frequency is 439.25MHz and the output frequency is 426.25MHz. If you would like to learn more about their system, tune in to their ATV net on Sunday evenings at 8:00PM on the Dayton 146.34/94MHz repeater.

AN ATV REPEATER IN COLUMBUS? IS IT POSSIBLE.....AGAIN?

It's been about ten years since the subject of an ATV repeater first surfaced and about six years since we had one. Even when the Columbus repeater **was** operational, it was a toy at best. A number of obstacles prevented us from making it truly useful. Much pioneering was required and much was learned but the lack of a good antenna site and limited funds make true success very difficult. A functional purpose also kept it from being anything more than a conversation piece (no pun intended). I hope that we can change that!

I investigated the possibility of broadcasting the Weather Service radar real time video on an ATV frequency which has been met with a great deal of excitement on the part of the National Weather Service and the 2 meter Severe Weather Net. Both have expressed willingness to cooperate in whatever capacity needed to accomplish this mainly because it would be highly beneficial to their cause. The Weather Service has given us their approval to use both their facility and video source as long as we use the video for non commercial purposes.

I view it as an exciting benefit to our ATV activity and membership possibilities. Much recognition would be gained from the 2 meter repeater guys, Weather Service personnel and also possibly the local media all resulting in more ATV activity. OK, now I'll get down off my "soapbox" so we can get to work.

The topics that need to be answered before any activity takes place, as I see it, are as follows:

- 1.) All ATCO members must be involved with a majority favoring such an activity.
- 2.) An acceptable repeater location must be found.
- 3.) An agreeable frequency must be selected. (Will it be inband or crossband?)
- 4.) The radar signal must be linked to the repeater in some manner. (It is not possible to locate the repeater at the Port Columbus airport for obvious reasons).

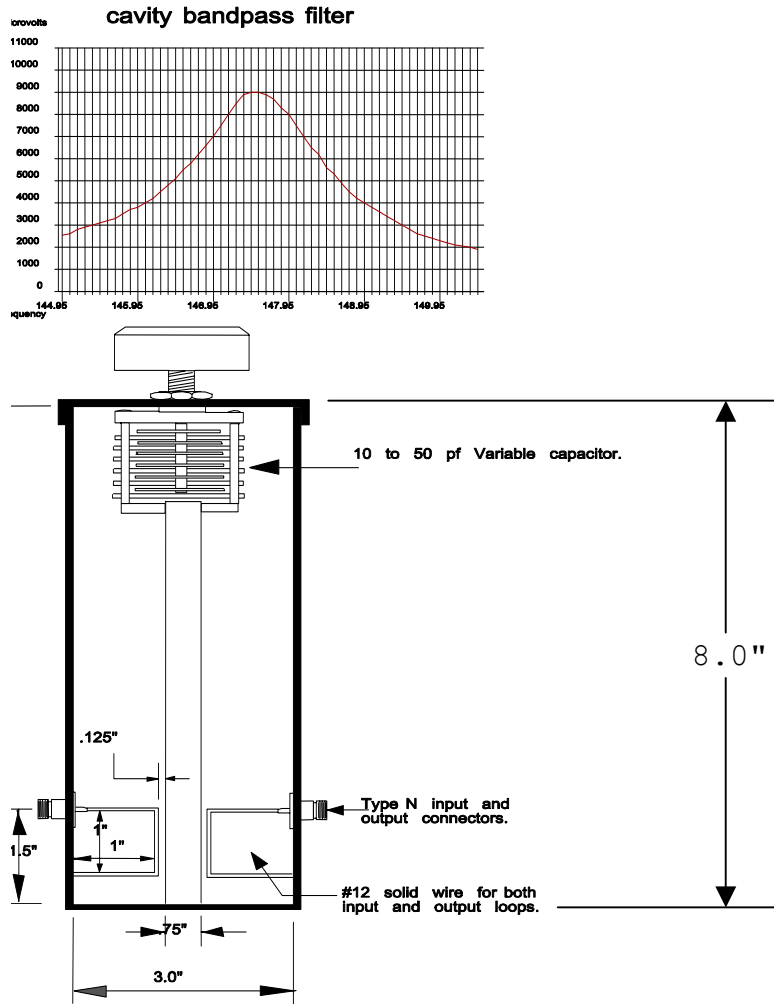
To help find answers to the above questions, I suggest that we talk it up on the Tuesday night net (Tuesdays 9:00PM on 147.45 MHz). Also, as a follow up, I'd like to have an eyeball get together at my house on Sunday, January 17, 1993 at 2:00PM for all who want to discuss this or anything else. It seems like a good excuse to party. I'll furnish beer and snacks which in itself is a good reason to get together even if nothing else is accomplished. To find out who's coming, I'll monitor the activity on 147.45.

My place is reasonably easy to find. I'm located in Westerville at 180 Fairdale Ave 1 block east and 1 block south of the 3C/Schrock road intersection. Take I-270 to the Westerville exit (state route 3). Head north on route 3 to Schrock Road(3RD light). Turn right (east) on Schrock road for 1 block then turn right (south) on Hillsdown. Turn left (east) at the first street (Fairdale). I'm located at the bend in the road on the left under the big tower. If you need further directions call me at 891-9273.

147.45 MHz BAND PASS CAVITY FOR PESKY COMMERCIAL SIGNALS

I've been having quite a bit of trouble with intermodulation products on 147.45 MHz resulting from a Bell Telephone pager transmitter located less than a half a mile from me. It's a 150 watt source at 154.21 MHz that is on nearly continuously and when it is on along with certain 2 meter repeaters, I receive all kinds of garbage. My first thought was to address the problem with a hacksaw at midnight but felt it was too risky. Besides they'd probably find the problem quickly and fix it and I'd have to start all over again. The following band pass cavity resulted.

It has low insertion loss (less than 1 db) and provides fairly good selectivity. The diameter is not critical but the larger the better - at least 2" dia. is recommended. I used a piece of copper pipe but coffee cans soldered together is an acceptable alternate. The length can be altered to suit but the selectivity will change. If it is made shorter, the variable capacitance must be larger resulting in higher Q (selectivity) and it will be harder to adjust. If it is longer, the capacitance required will be less, the Q lower and the selectivity reduced. The input and output loops are not critical and could be spaced further away from the center conductor if higher selectivity is desired (with a corresponding increase in insertion loss). In any case, I didn't experiment with it too much. The fiddling stopped when I found it rectified the problem. I hope this gives someone insight to try and experiment!!!



.....WA8RMC

ATCO MEMBERS AS OF 25 NOVEMBER 1992

K8AEH	Wilbur Wollerman	1672 Rosehill Rd	Reynoldsburg	Ohio	43068
W8AER	David Sears	1678 Kaiser Dr.	Reynoldsburg	Ohio	43068
AH2AR	David Pelaez	4872 Trailside Court	Huber Heights	Ohio	45424
W8ARE	Terry Meredith	1524 Ashdown Rd	Columbus	Ohio	43221
K2ARL	Dave DiGiuseppe	391-3A Directory Dr	Columbus	Ohio	43213
WA8ATF	Emmett McDonald	14120 Flintridge Rd SE	Glenford	Ohio	43739
W9AZO	Jim Walter	2662 St. Rt. 39 NW Rd#3	Mansfield	Ohio	44903
KB8BIY	Bob Shaw	59 Parkview Ave	Westerville	Ohio	43801
W8CCW	John Ferrell	3722 Wagner Court	Grove City	Ohio	43123
N8CYV	Blaire Standley	721 West North St	Springfield	Ohio	45504
WA3DTO	Rick White	5314 Grosbeak Glen	Orient	Ohio	43146
W8EHW	Foster Warren	124 East Clark St	North Hampton	Ohio	45349
WA8EOY	Jonh Schlaechter	3199 Lewis Rd	Columbus	Ohio	43207
N8FFO	Edward Hauff	2716 Columbus Ave	Columbus	Ohio	43209
WH6FL	Chris Jacoby	98-1689 Hapaki	St Aiea	Hawaii	96701
KB9FO	Henry Ruh	1545 Lee St Suite 73	Des Plaines	Illinois	60018
KB8GZO	Jason Pelaez	4872 Trailside Court	Huber Heights	Ohio	45424
KA8GZQ	Warren Duemmel	3488 Darbyshire Dr	Hilliard	Ohio	43026
K8HRR	Ira Bickham	260 Tiki Dr	Merritt Is	Florida	32953
K8HVA	Guy Cunningham Jr	31 Birchfield St	Plymouth	Ohio	44865
K8ISM	Steve Iacono	1075 Virginia Ave	Columbus	Ohio	43212
K8JGY	Fred Yost	330 Dellfield Way	Gahanna	Ohio	43230
N8KCB	Chris Morris	3181 Gerbert Rd	Columbus	Ohio	43224
WA8KQQ	Dale Waymire	225 Riffle Ave	Greenville	Ohio	45331
N8LRG	Phillip Humphries	1237 Summer Breeze Dr	Columbus	Ohio	43223
KB8MDE	Shaun Miller	3469 Oakcrest Rd	Columbus	Ohio	43232
N8OPB	Chris Huhn	146 South Hague Ave	Columbus	Ohio	43204
WB8OTH	Perry Yantis	1850 Lisle Ave	Obetz	Ohio	43207
KE8PN	James Easley	1507 Michigan Ave	Columbus	Ohio	43201
N8QLD	Rick Callebs	P.O. Box 266	Jackson	Ohio	45640
WA8RMC	Arthur Towslee	180 Fairdale Ave	Westerville	Ohio	43081
WA8RUT	Ken Morris	3181 Gerbert Rd	Columbus	Ohio	43224
W8RVH	Richard Goode	9391 Ballentine Rd	New Carlisle	Ohio	45334
N8TUU	Maxine Duemmel	3488 Darbyshire Dr	Hilliard	Ohio	43206
W8TV	Bob Dye	6118 Sedgwick Rd	Columbus	Ohio	43235
WB8UGV	Bruce Jaquish	4817 W. Arlington Rark	Ft. Wayne	Ind.	46835
WB8URI	William Heiden	4435 Kaufman Rd	Plain City	Ohio	43064
KA8WGX	Martha Yost	330 Dellfield Way	Gahanna	Ohio	43230

ATCO FINANCIAL STATEMENT

CASH BALANCE (as of 12/31/92).....	\$438.93
RECEIPTS (dues).....	\$0.00
EXPENDITURES (postage).....	<u>-\$12.47</u>
BALANCE (as of 01/5/93).....	\$426.46

ATCO Newsletter
c/o Art Towslee-WA8RMC
180 Fairdale Ave
Westerville, Ohio
43081

29c
postage
here

FIRST CLASS MAIL

**HAPPY NEW YEAR 1993
RENEW YOUR ATCO MEMBERSHIP NOW**
