

PACK RATS'



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.
(50.2, 145.2, 221.4, 432.3 & 1296.3 MC)

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEETINGS: THIRD WEDNESDAY OF EACH MONTH AT 8:00 P.M.

VOLUME V

SEPTEMBER, 1971

NUMBER 9

THE PREZ SEZ

It was a beautiful day and another great Pack Rat Picnic. The families were out in force and the little Pack Rats were all over the place, which was great to see.

The club thanks you Dick, W3FQD, and Big Mario, W3ELX for a job well done. Also, thanks to all of the Rats that helped, as they all pitch in every year. Special thanks to our Master of Ceremonies, W3ZD, Dave; the soda man, K3MKM, Lee; the games, K3JJZ, El, and the official last to leave, W3SAO, Frankie.

Thank you Mort, W3EPS and XYL, Connie, for having the club meeting and annual "White Elephant" sale at your QTH last July. It was another fun meeting with our famous auctioneer from Centennial Road, W3ZD, Dave, as well as our master of wit, fast talker and mover of the White Elephants. I'm sure we will all agree, he's wasting his talents at Johnsville.

It was nice to see the young group of new hams from Explorer Post 68 of Glenside. We enjoyed their company and I am sure that they took a lot of good White Elephants home.

We must give a pat on the back to our sub-raffle chairman, W3ELX, Big Mario, for handling the raffle in absence of the small one. I must say, he has learned well.

January will soon be upon us, and the arrival of the Contest. So now is the time to be getting that outside antenna work done. Also, we should all try to get as much time on the air as possible for the September Contest.

73.

Don, W3CJU

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

EDITOR:

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WA2KOI, LLOYD SCHOENIG
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AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE
#5 SUNNYBROOK COURT
STRATFORD, N.J. 08084

DIRECTORS' MEETINGS ARE HELD ON THE SECOND WEDNESDAY OF EACH MONTH AT DESIGNATED LOCATIONS.

MONDAY NIGHT NETS:

145.2 - 7:30 P.M.
50.2 - 8:30 P.M.
221.4 - 9:00 P.M.
432.03 - 9:30 P.M.
1296.1 - 10:00 P.M.

OFFICERS: 1971 - 1972

PRESIDENT: W3CJU, Don Hampton
VICE-PRES: K3BPP, Walt Bohlman
TREASURER: K3GAS, Doc Cutler
CORRES. SEC: W3SAO, Francis Brick
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WA3AXV, Ron Whitsel
W3FQD, Dick Huntzinger
WA3LNH, Charles Benavides
K3UJD, Mario Fontana
K3CIV, Ralph Hersh
(Ex-Officio)

* * * * *

PACK RATS' CHEESE BITS is a Publication of the Mt. Airy V.H.F. Radio Club, Inc., Philadelphia, Pa., and is published monthly.

10¢ per copy \$1.00 per year.

We operate on an exchange basis with other publications and anything that is printed in CHEESE BITS may be reprinted, unless so stated, as long as the proper credit is given.

* * * * *

Looking for a nice certificate; check in with the McDade Amateur Display on September 16, 17, 18 on 2 and 6 meters. Special call for Pennsylvania Radio Week, WM3ARD. 10 a.m. till 9 p.m. on these three special days.

* * * * *

SOME THOUGHTS ON DUMMY LOADS
or

Summer Time is Antenna Time (Courtesy VE News and VE6QK) The following list shows the average impedance of the standard light blub when loaded to full capacity, or normal brilliancy.

25 watt lamp - 600 ohms
150 " " - 150 ohms
100 " " - 150 ohms
60 " " - 250 ohms
40 " " - 350 ohms
300 " " - 50 ohms



GENERAL AUCTION

RADIO EQUIPMENT

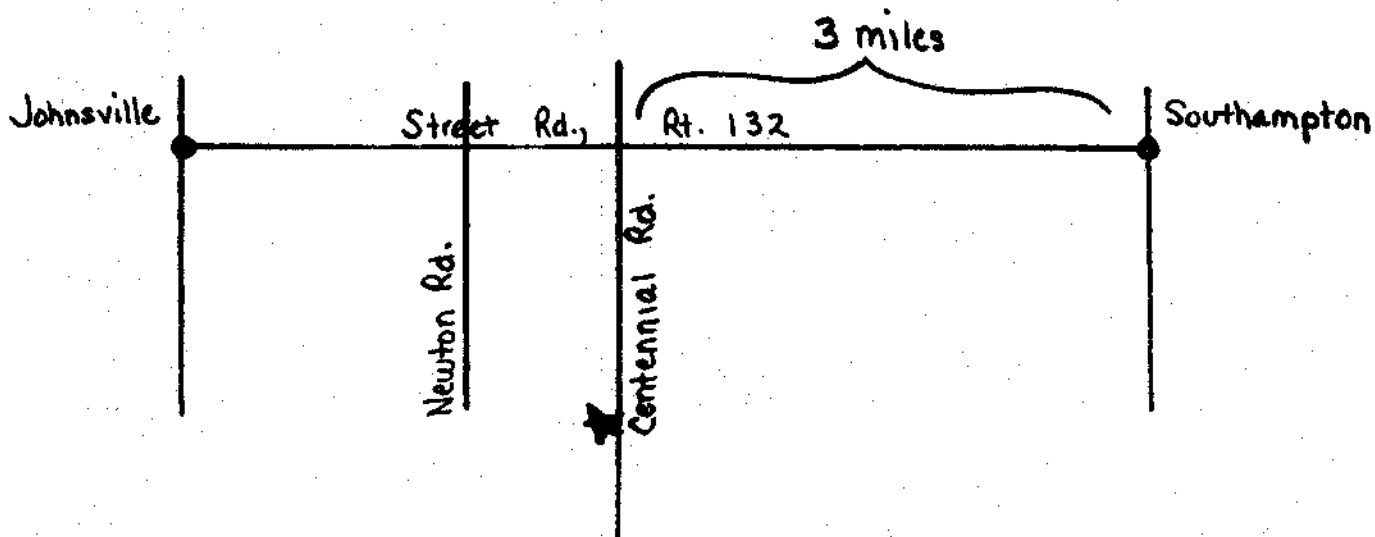
SEPTEMBER **15, 1971**

ALL WELCOME

The Pack Rat Auctioneer

AT THE QTH OF W3ZD DAVE ZIMMERMAN
520 CENTENNIAL ROAD, WARMINSTER, PA.

Bring a chair -- we can accommodate 200 people.



CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXM

- September 8 Board of Directors Meeting, QTH of K3GAS.
Directors and interested parties invited.
- September 15 The Reel-e- Big One
THE ANNUAL PACK RAT AUCTION
QTH - Dave Zimmerman, W3ZD, 520 Centennial Road,
Warminster, Pa.
The fame of this event is so well known we will not go into graphic descriptions but if it matches last years sale where over a ton and a half of equipment were sold, it is the best.

Clean out your shack and bring money. The club gets a wee 10% and the other 90% comes to you, for which you can buy or bid for new items and goodies.
Talk up this event with your buddies and spread the word around. The more the merrier. Other clubs and club members cordially invited. Bring items to sell! Guessing contests and refreshments available throughout the evening.
One note-label or mark each item for identification. Two golden voiced auctioneers working throughout the span.
- October 20 First indoor meeting of the new season. West Oaklane Jewish Community Center.
- HAMFEST DATES
- September 5 16th Annual York County Hamfest - Adams County Fairgrounds, Abbotstown, Pa.
A fast two hour drive from Philadelphia in an ideal setting. If you have never attended this hamfest, treat yourself for once. Big, big swap shop and tailgate selling. Lunch room open, free bingo for the ladies, transmitter hunt, etc. Big cash drawing and hundreds of other desirable items. Doors open at 9:00 a.m.
- September 12 South Jersey Radio Club Annual Hamfest - Malaga, N.J.
Swap shop, transmitter hunt, manufacturers displays, picnic and swimming facilities and nearby 807's.
A very good hamfest and place to meet those on the air contacts in person.
This is one hamfest that you should attend.
- October 6 Warminster Amateur Radio Club Annual Auction,
Warminster Branch of the Hatboro Savings Bank, 7:45 p.m.

CONTRIBUTORS OF PRIZES TO THE MT. AIRY V.H.F. RADIO CLUB
FAMILY DAY AND PICNIC

- | | |
|---------------------------|-------------------------------------|
| Antenna Specialists, Inc. | Instrument Systems Corp. |
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| "Ham" Buerger, Inc. | 73 Magazine |
| Ham Radio Magazine | |

R.S. Huntzinger, W3FQD

CALENDAR OF COMING EVENTS

Continued from Page

October 24 Gaithersburg, Maryland

INTERESTING NOTHINGS

Lee, K3MXM

Interested in prospecting for gold? If so, request a free copy of "Prospecting for Gold" from the information office, Geological Survey, Washington, D.C. 20242.

Is your air conditioning bill getting you hot under the collar? If so, request a free copy of "Reduce Energy and Increase Comfort in Household Cooling" from Office of Consumer Affairs, The White House, Washington, D.C. 20506

If you want to complain about mail service, as an individual, you can write to Consumers Advocate, Mr. David Ordway, Room 13116, Post Office, Washington, D.C. 20260. If you want to complain as a business, write to the Secretary, Mr. Gordon Grant, Postal Rate Commission, Washington, D.C. 20268.

de LERC

The FAA recently published a 32" x 34" radio spectrum chart showing usage from zero to 300 Ghz. Copies are available at 40¢ each from Government Printing Office, Washington, D.C. 20402. Request, FAA Electromagnetic Spectrum Chart, No. TD 4.27: E 12

Looking for QSL Cards with packy the pack Rat insignia. Write the Little Print Shop, Box 9848, Austin, Texas 78757, for prices and information.

NEW PRODUCTS OF INTEREST TO HAMS

1. High Voltage Bridges - Rectifier Components Corp.
These units can be used to replace the multitude of diodes, capacitors, and resistors used in homemade bridges. The PIV ratings run from 2 KV to 6 KV at 1.5 amp. This rating is per leg, which means a 1400 Vac transformer could be used with a 2 KV (per leg) rectifier. Cost runs \$10.40 - 19.50 (124 Albany Avenue, Freeport, N.Y.)

2. ARRL & QST Project Kits - B & W
Barker & Williamson Inc. of Bristol, Pa. (19007), should have about 12-15 ham type kits available, by the time this appears in print. These kits contain all electronic and electrical components, knobs, P.C. boards, wire, and crystal where used. If you have tried to get the parts together in the last few months, for even the most basic project, you can appreciate what a break for the homeconstructor, this series of kits can be. I have talked to the people at B & W about the problems involved, and while they say their intention is not to get into the kit business, the feeling is that hams are faced with such a long drawn out and in many cases, futile process, in collecting all the bits and pieces, that many just give up and either buy commercial or go Heathkit. Some of the kits are: Matching Indicator for Low Power ARRL 556 FM Pip Squeak for 2M QST March 71 -- Low Noise conv. 2M. ARRL 407 -- Transistorized VOX ARRL 269 -- 10 W One Tube Trans. QST March, 1971. As you can see, there is something for everybody. Watch QST for B & W ads.

3. Transient Suppressors - General Semiconductor Inc.
A series of "Transzorb" transient voltage suppressors, capable of dissipating 1500 watts of peak power, are now available from G S I. These units carry numbers 1N5629 - 1N5665, and are 6.8 to 200 volts. The Transzorbs are used to clamp a voltage spike or peak that could damage voltage sensitive components. A unit hung across the 12 VDC input to your mobile FM transceiver, rated at 14.7 V, could save a bunch of transistors some day, due to an induced voltage in the auto electrical system. Price about \$4.00. 230 W. 5th Street, Tempe, Arizona 85281.

73,

Lyn, W3NSI

MT. AIRY V.H.F. RADIO CLUB, INC.



CHEESE BITS
RAT ADS



W3KKN

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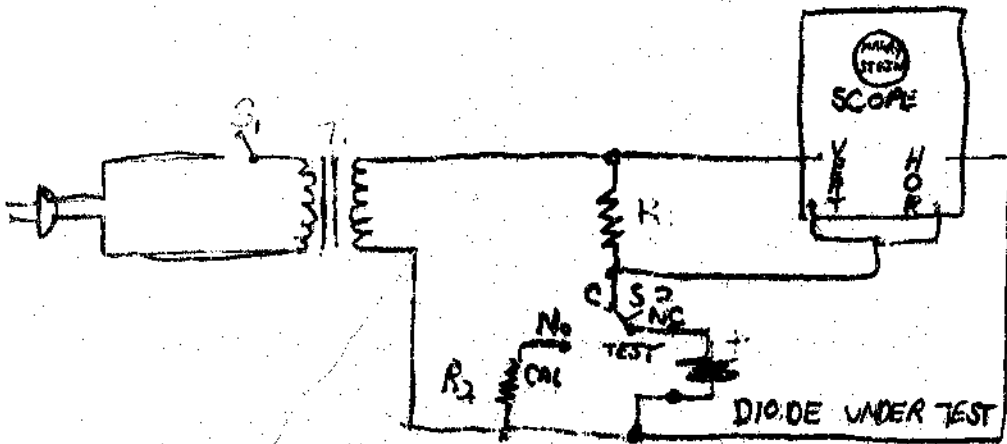


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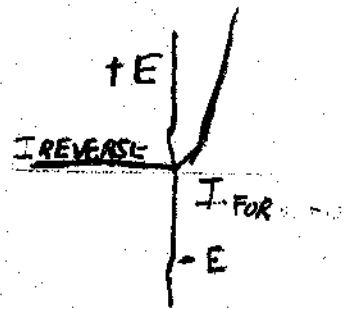
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- S₂ - SPOT PUSHBUTTON
- R₁ R₂ - 3300 OR 4700 OHM 5%
MATCHED AS CLOSELY AS
POSSIBLE
- T₁ - 6, 12, OR 24 VOLT FILAMENT
TRANSFORMER



DIODE CHARACTERISTIC
CURVE

- ⊥ GOOD
- ⊖ OPEN
- ⊥ SHORTEO
- ⊙ SELENIUM
RECTIFIER
- ⊖ POOR
- ⊙ POOR
- ⊙ POOR
- ⊖ REVERSE D.
DIODE
- ⊙ ZENER
- ⊙ CALIBRATE

F.R.

Here is a simple adjunct to be used with a scope to check all types of diodes and semi-conductors. The schematic shows the connections to the scope. This method indicates the front to back resistance ratio of the diode and visually displays its merit. The pushbutton is used for calibration purposes. An E versus I graph is drawn to the right for comparison. If the zener voltage of a zener diode is higher than that of the transformer used, the breakdown or zener knee at left of display for zener will not be indicated.

PROPOSED AMMENDMENT TO THE CONSTITUTION AND BY-LAWS OF THE
MT. AIRY V.H.F. RADIO CLUB

Every organization should have a mechanism to dissolve the said organization in the event the membership expresses this desire or other unforeseen circumstances require the organization to disband.

It is the intent of the proposed ammendment to the Constitution and By-Laws of the Mt. Airy V.H.F. Radio Club, Inc., to provide the mechanism for an orderly transition and to provide instructions for the Board of Directors.

This ammendment is not to be construed or translated to mean that there is any thought in any members minds that the organization is disbanding or should be disbanded for any reason. The organization is in excellent health morally and financially.

ARTICLE X PROVISION FOR DISOLUTION

Whereas, future events and circumstances may cause or require the organiza-tion to be dissolved, it shall be accomplished in the following manner.

A vote shall be taken in which each regular member in good standing shall be entitled to one vote. This vote shall be taken by mail, at the discretion of the Board of Directors. A positive vote of 80% of the members in good standing shall be required to carry the vote.

In the event that a positive decision is reached, the material assets of the club shall be converted to cash in a manner to be determined by the Board of Directors. Following this liquidation, the total cash assets shall be distributed equally to the members in good standing at the time of dissolution.

* * * * *

TO ALL LICENSED AMATEUR RADIO STATIONS
BY, K3GOZ, Herm

In conjunction with Pennsylvania Governor Shapp's approval and endorsement, designating the second week of September, as "Pennsylvania Amateur Radio Week", the McDade Mall Amateur Radio Display Association will again operate the amateur frequencies, 6 meters, 2 meters and lower band frequency areas to commemorate its second Amateur Radio Display, at the Mac Dade Mall in Glenolden, Pa. Emitting their identity over the air, with the special FCC issued call WM3ARD, assigned for this purpose and occasion.

On the following days: September 16, 17, 18, Thursday, Friday and Saturday 1971, at 10:00 a.m. to 9:p.m. on each of those days.

All contacts will be honored with a special certificate. Awarded to those establishing communication with WM3ARD, during this display. Further details in obtaining certificate will be given at the time of the contest. An invitation to Governor Shapp has been personally extended. His presence is expected on one of the operating dates at the Mall.

SWAP SHOP

CONDUCTED BY: W3ZRR, Ray Whitehead
 7329 Shelborne Street
 Philadelphia, Pa. 19111
 215 - RA 2-4786

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Receiver Ham Bands only 160-6M
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Swan SSB 20 meter transceiver, 240
 watts, Complete with push to talk
 misc. and power supply AC.
 New condition, Price, \$100.00.

Ameco PT pre-amp 160-6 meters.
 Cost \$60.00, Price, \$25.00.

Heath Kit, SB 620 Scanalyzer, new
 condition, now on 5.2 Mc. input
 but coils included to change
 input to any from 455 Kc to 6 Mc.
 Cost, \$130.00, Price, \$85.00.

Heathkit VTVM IM 11 - new condition,
 Price, \$18.00.

Heathkit, RF signal Generator, new
 condition, RF 1, Price \$18.00.

CONTACT: W3NSI, Lyn Rowland
 Call NE 2-4791 after
 September 6, 1971.

TO ALL LICENSED AMATEUR RADIO STATIONS
 CONTINUED FROM PAGE

Amateurs who confirm their presence, in person at the booth, can anticipate some goodies.

Thanking all amateurs in advance who may show concern by taking time out to give us a call, during our efforts in furthering and enriching Amateur Radio with the public.



215 883-2140

JEROME E. GOMBERG
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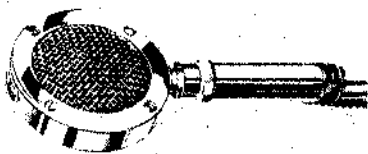
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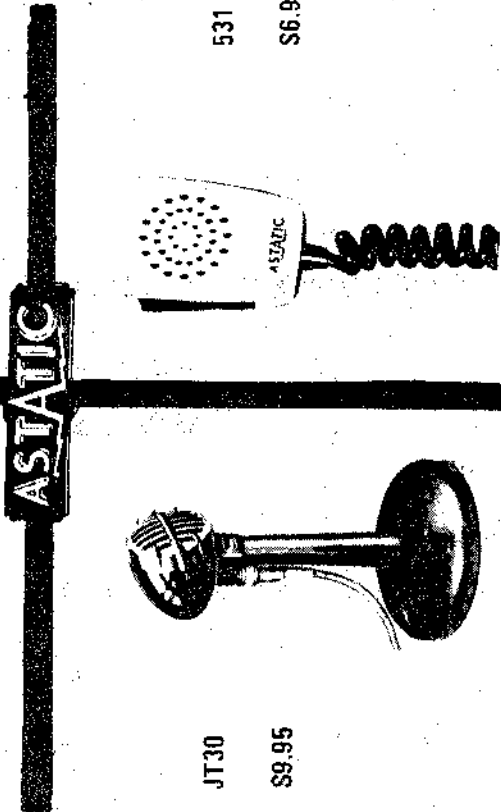
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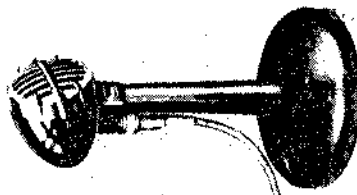


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