

# PACK RATS'



**PACK RATS**

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

# CHEESE BITS



MT. AIRY V.H.F. RADIO CLUB, INC., PHILADELPHIA, PENNSYLVANIA-ARNS  
(50.2, 145.2, 221.4, 432.03 & 1296.3 Mhz)  
AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE  
MEETINGS: THIRD THURSDAY OF EACH MONTH AT 8:00 P.M.  
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SOUTHAMPTON, PENNSYLVANIA

VOLUME XVI

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NUMBER 7

## THE PREZ SEZ

The outstanding effort put forth by our club in the June QSO Party produced an equally outstanding score of nearly 125,000 points. Many thanks to our Chairman, Dave WA3JUF, the band captains, operators, loggers, all those who provided W3CCX/3 with contacts on the various bands and last, but certainly not least, to those members who served as riggers, steeplejacks and roustabouts for the event.

The magnitude of the effort can be more readily appreciated when one considers the preparation and transportation of equipment, the erection of antennas, towers and tents, the setting up of stations on the various bands, the long hours of operation and, finally, the dismantling and return transportation. I saw the first tent erected before 1100 Friday and some of the last gear stowed on trucks at midnight Sunday. In spite of all this activity things went so well at the Hilltown site that there will not be a Broken Hammer Award winner this year!

A tour of the site when the operation was in full swing revealed once again in dynamic fashion that our club has, among its members, an unbelievable amount of know-how and talent in both construction and operating techniques. Did you notice the home brew gear (what else?) for the VHF and UHF bands through 10 GHz?

This is my last Prez Sez column; the newly elected officials assume their offices in July. Many thanks to all who provided so much assistance and helped make things run smoothly. Also, a great big hand from all to W3SAO who declined another nomination for Corresponding Secretary after having served in that office for all except one year since the first day in our club's history (That's 18 years, folks). Thanks again Frankie, for typing all those letters and pasting all those stamps!

My gratitude to all. It has been an honor and a pleasure to serve as President of the world's No. 1 VHF Radio Club.

Dick, W3FQD

PACK RATS' CHEESE BITS IS A PUBLICATION OF THE MT. AIRY V.H.F. RADIO CLUB, INC. PHILADELPHIA, PA. AND IS PUBLISHED MONTHLY.

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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.

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SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

EDITOR:

W3CL, HARRY B. STEIN  
2087 PARKDALE AVENUE  
GLENSIDE, PA. 19038  
215 TU 7-5052

PUBLISHER AND SUBSCRIPTION MANAGER:

K3GAS, DOC CUTLER  
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PRINTER:

K3ZKO, RON COHEN  
915 ROWLAND AVENUE  
CHELTENHAM, PA. 19012  
215 ES 9-5338

TRUSTEE OF CLUB CALLS: W3CCX - WR3ACD:

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821 W. LINDLEY AVENUE  
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215 DA 4-7524

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE  
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609 - 783-9478

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K3KMN, GEORGE GAKOUMIS  
W3YXF, JOE RUSHTON

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

MONDAY NIGHT NETS:

145.2	-	7:30 P.M.	W2EIF
50.2	-	8:30 P.M.	W3CL/K3ACR
221.4	-	9:00 P.M.	K3GAS
432.03	-	9:30 P.M.	K3IUU
1296.3	-	10:00 P.M.	W3HMU

NET CONTROL

FRIDAY NIGHT ATV NET:


439.250 - 7:00 P.M. K3ZKO/WA3AXV

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PACK-RAT REPEATER - WR3ACD

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CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXX

JULY

- 10 Board of Directors Meeting - QTH, KBIPM, San Smith, 133 Hogeland Road. Southampton, Pa. If lost or need directions call 355-2867. Directors and interested parties invited. Come early and go for a swim. Bring your lady.
- 18 First Outdoor Meeting of the Season. AUCTION AT ZD'S. This is the meeting most of the Club members have been awaiting all through the winter months. Clean out that cellar corner - put them in a box - label each unit with your call, for identification so you'll get your money and Doc can keep the records straight - and bring on up to the sale. Definitely invite your friends, other club members, novices just getting started and who need a junk box and we'll let CB'ers in. The address is 520 Centennial Road, Warminster, Pa. and should you get lost call 675-4539. Starting time is 8:00 P.M. Guessing contests and ample refreshments.
- 19 Special News Item from WB2MTU Space Net - on this date the Sun, the Moon and the Earth are aligned in a straight pattern. Special forces of gravity appear, the tides run higher than normal. It is also in the middle of the hurricane season - and should one appear - watch out. . .
- 20-21 Space Net Contest - honoring Apollo 11 - previous rules and procedures apply. Further details on Friday Nite Space Nets at 50.2 Mhz 8:00 P.M.
- 19-20-21 ARRL National Convention - Waldorf Astoria Hotel, New York City. If you cannot make the full convention at least go over for one day, meet the "brass", join in on the seminars. And see some of the newest ham equipment.
- 23 BARC - Supper Meeting at Casa Conti, Glenside, Pa. 7:00 P.M. Discussion and evaluation of what has been seen and learned from visit to New York City National Convention. Delegates and interested parties invited. If not to the supper then to the meeting afterwards. Starts at 8:00 P.M.

AUGUST

- 4 East Coast VHF Society Sponsoring an Antenna Measuring Contest. UHF/SHF - Trenton State Teachers College grounds.
- 4 WR3ABE, 6 meter repeater gang and friends are having a picnic at Ft. Washington State Park, Flourtown, Pa. starts at noon.
- 11 PACK RAT PICNIC, Ft. Washington State Park, Flourtown, Pa. Chairman Dick Boyle, K3IGX promises a fun filled day in the country with the family and especially the children and grandchildren. Many new games and surprises are in store, so reserve this day for a good day of fun and frolic and R and R in the SUN. There will be NO flea market nor selling of any type.
- 15 General Club Meeting - Nostalgia Nite. Slides, films and pictures into the archives of the Pack Rats. See the changes over the years and enjoy the lively commentary by our unmatched narrator W3CL. Always a pleasant evening - naturally the wives and YL's should come along.

SEPTEMBER

- 8 Sunday, South Jersey Picnic and Hamfest - Noila Farms, Malaga, N.J.
- 19 White Elephant Sale, QTH K3YXF, Joe Rushton, Lansdale, Pa.

CONTINUED ON PAGE 4

\* \* \*

CALENDAR OF COMING EVENTS CONTINUED

OCTOBER

- 6 Pack Rat HAMARAMA, Bucks County Drive-In-Theater, Warrington, Pa.  
Chairman, K3MXM, Lee A. Cohen

Plans are being formulated and jobs are getting lined up. BUT there is so much to be done volunteers are needed, so please contact Lee with offers-ideas-suggestions - what was right/wrong with last one - so additions and corrections can be made and make our HAMARAMA one of the best in the country...

\* \* \*

NEW PRODUCTS OF INTEREST TO HAMS

By Lynn, W3NSI

1. Genave GTX 600: This new ten channel FM 50-54 Mc transmitter/receiver is rated for 10/40 watts output. Receiver sensitivity is .25 UV for 20 DB quieting. Separate channel switches for receive and transmit allow 100 channel combinations. Genave GTX 100. The 220 Mc version is rated at 12 watts output and .35 UV for 20 DB quieting. Both units should be available as this is published.

2. Ham M Antenna Rotor (Cornell-Dubilier): A new version of the popular Ham M is now available. This unit has an all new control box, using push buttons for CW and CCW rotation. Power can be switched on without rotating the antenna, so that direction can be monitored at any time. The rotor head uses stainless steel gears.

3. VHF Prescaler: K-Enterprises PD 301 will extend the range of a normal 30 Mc counter to 300 Mc. Unit is complete with built-in power supply and pre-amp. In use, it is connected to the counter input and signals entering the prescaler are divided by 10 and fed to the counter. A signal at 146.94 would then read 14.694 on the counter read-out. Price \$55.50. 1401 N. Tucker, Shawnee, Ok. 74801

\* \* \*

TID BITS

Chuck, WALKIR, received the gold medal award for outstanding effort 2 years running on 6 meters during the recent World Wide VHF contest sponsored by the Itchycoo ARC.

Some people really come well equipped to the June VHF QSO Party with W2EIF topping the list. When W3HMU cut his finger and screamed for a band-aid, Joe came to the rescue with a box of 100.

The day after the June QSO party, an earthquake was reported in South Jersey. The real cause of the tremor was W3HQT's truck loaded with all of W2EIF's contest gear (including a brass captains bed) suddenly traversing the Burlington-Bristol Bridge across the Delaware.

BB Wentzel, W2HX resting at home after surgery.

W3ZRR, Ray Whitehead, convalescing at the Oncologic Hospital, Central Avenue, Phila., Pa. 19111 Rm. 203A - visiting hours 11 A.M. to 8 P.M. Phone 215 - RA 2-1900, ask for room 203A.

K3DLS, K3IGX, W3HFX, W3AJF, W3CIL and W3CLT have picked up their FM-21 units at Hamtronics. The Pack-Rat 220 MHZ repeater starting to get very busy.

You can save \$.50 on your QST subscription. See Doc, K3GAS.



\* \* \*

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



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MANAGER  
K3MWM

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Contact: Joe, WA3QNS, 215-279-1517

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VHF REPORT  
By Jo, W2EIF

The big event for this period was the Moonbounce activity in late May. WA6LET using a 150' dish was again worked by many U.S. Amateurs. European hams took advantage of an overhead Moon to also work WA6LET. There were even some SSB contacts. The 2 meter band otherwise has been rather slow with only the usual gang heard. K8MMM reported that he worked some Southern Stations on 2 meter FM in early June - he notified Paul, K8III but the condition faded out before he could get going. This is the time (around June 21) to look for E skip on 2 meters.

The June QSO Party went over real fine with what seemed to be average conditions on 2 miles and up. Don't forget WB2MTU's Space Contest in July. The plaques given out as prizes will be well worth the effort of getting into the contest. 6 meter band has been wide open to all call areas.

\* \* \*

1974 JUNE QSO PARTY, Hilltown, Pa.

Large numbers of Packrats were on hand this year for station set up, tear down and operation. All those who participated had a swell time, I know I did.

Many visitors showed up to see the site as well as to help out. Our thanks to K3JJZ's two harmonics for installing the phone system. A very good job.

After eliminating duplicates, W3CCX, worked 937 contacts - for 1102 point contacts on all bands from 6 meters to 10 GHZ. 113 sections total were worked giving a 124,526 point score. Last year the club had a 80,608 point score.

A fine effort by all participants, members and visitors alike. My thanks and congratulations to all. Good luck next year.

DE WA3JUF.

EDITORS NOTE: The following members and friends participated during the long week-end; K3ACR, W2AXU, WA3NFV, K3MXM, K3GAS, W3FQD, W2EIF, W3HQT, W3HMU, K3BPP, K3DLS, W3YXF, WA3AXV, W3ZD, W3SAO, W3CL, WA3JUF, W3ELX, WA3OVH, WA3UXM, K3ZSG, W3CJU, WA3DJF, WA3NGK, W3BRU, K3ZKO, WN3UDS, K3IPM and family, Jr., op. WN3VJU, K3IGX and XYL Muriel.

\* \* \*

OFFICIAL BULLETIN NR 485 FROM ARRL HEADQUARTERS NEWINGTON CT JUNE 13 1974 TO ALL RADIO AMATEURS  
BT: FCC has issued a Notice of Proposed Rulemaking, Docket 20073, embodying the ARRL request for deletion of Section 97.89(c) of the rules prohibiting the linking of more than two repeater stations. The text of the ARRL petition, RM-2349, appears on page 85 of QST for May, 1974. The complete text of the FCC notice is scheduled to appear in August QST. AR

\* \* \*

OFFICIAL BULLETIN NR 486 FROM ARRL HEADQUARTERS NEWINGTON CT JUNE 13 1974 TO ALL RADIO AMATEURS  
BT: The new edition of the ARRL Repeater Directory, detailing close to 1000 United States and Canadian repeaters, is now ready for distribution. To receive your copy unfolded by first class mail, send an addressed envelope approximately 7 by 10 inches with 30 cents U.S. postage. This membership service is available without charge from ARRL, 225 Main Street, Newington, Connecticut. 06111. AR

REPORT ON PHILADELPHIA AREA REPEATER ASSOCIATION MEETING

A general membership meeting of PARA was held the evening of June 10, 1974 at the G.E. Plant in Valley Forge, PA.

Bill, K3JPB of the technical committee reported that the 34/94 machine was moved to Valley Forge. There is a new input now in Penn Valley. The delay in inputting the system autopatch on 76 was time - knowledgeable volunteers agreed to help with the system. Bill reported that many users of the repeaters in this area are off frequency. Frequent calibration of equipment and frequency determining devices are a necessity.

The input from Neshaminy was moved to the QTH of K3ZPH. Souderton input is down because of a major equipment failure and interference problem. Jack, W3GS, gave a report on the status of PARA with regard to BARCC. PARA will be the major representative for the repeater activity in the Philadelphia area during the 1976 Bi-Centennial.

The following members are responsible for running the repeaters: W2FLY, 22/82; K3ECV, 34/94; K3NLT, 28/88; K3ZFD, 37/97.

Tom, W3GTX gave an interesting and informative talk on transmitter hunting. When tracking a station using FM, the last mile or so down to the wire requires an AM receiver. Very good point. Bananas look out!

W3GJC, Bill transmits bulletins on Monday evenings at 8 P.M. on 16/76, 28/88 and 37/97. Thursday evening at 5:15 P.M. on the same frequencies.

Quadrant representatives were elected for the composition of a nominating committee for the election of new officers. A tentative date of December 2, 1974, for the next general meeting was established.

\* \* \*

VISITORS AT THE JUNE 20TH MEETING

W3VIR, Bill Pawson, Holland, PA	K3MWV, Richard Pierce, Newportville, PA.
WA3WOR, Richard Foreman, Philadelphia, PA.	K3VYG, Gordon Vogt, Glenside, PA.
W3CIL, Pete Cummings, Wyndmoor, Pennsylvania	

CHANGE OF ADDRESS

K3ZKO, Ron Cohen, 919 Rowland Avenue, Cheltenham, PA. 19012 215 - ES 9-5338

DROPPED FROM MEMBERSHIP

WA3AXH, WA3DNC, WA3FOF, W3GXB, K3HJA, WB2OAD, WA3PIR, W3ETL

K3ZKO, Ron Cohen, 919 Rowland Avenue, Cheltenham, PA. 19012 215 - ES 9-5338

APPLICATION FOR MEMBERSHIP

K3MWV, Richard Pierce, Newportville Road, Newportville, PA. 19056

215 - 788 - 1527 or 943 -7855

DE RF CARRIER, DAYTON, OHIO

It was reassuring to have compliments from the Field Operations Bureau that amateurs are most cooperative in cases of complaints of interference to others. In a recent year FCC had 42,000 complaints of interference; 38,000 of these were "home entertainment" equipment, of which 34,000 were manufacturing deficiencies in the receiving or hi-fi gear. Of the remaining four thousand, 3,600 were from CB, and only 400 were from Amateur Transmitters.

DE LERC - Burbank, California

Repair parts for CDR rotors can be ordered more quickly by going direct to the factory instead of sales representatives. Seven days reply is promised by Cornell- Dubilier - Rotor Parts Division. - 118 East Jones Street, Fuguy, Varinam, North Carolina 27526. The phone id 919-552-2281. Bob Butler can advise you on price and availability.



EXCERPTS FROM A LETTER BY PAUL, W3HIT

2811 Fairpark Blvd.  
Little Rock, Arkansas

May 26, 1974

Dear W3CL:

"Greetings from Little Rock. The heart of W5 Land. Things have been just fine down here. As you know, I have my 2 meter FM rig with me. I have been able to work several local stations through the Repeater. The repeater operates on 34/94 under the call of WR5ADI. Up until April 21, it was W5DI. I have also made many contacts on 52 and 94 direct. The director of Trainees at the Arkansas Enterprises for the Blind is Elmo Knoch- W5YWL. Other hams are also associated with the center including Bob Berry, WB5BJD, the person who runs the radio club on Friday nights. He used to be a former trainee."

"By the way, you might be interested to know that there are three other hams down here at the center for the blind besides myself. They are WB2HBT, K1SHH, and WB2AME. One night, all four of us had a QSO on 52 when, a local broke in thinking there was DX on 2 meters. WB2AME used to be my roommate. Now, K1SHH is my roommate. He likes to operate 40cw, but, I am converting him slowly over to 2 FM. He likes it."

"When the IRS course is ended, I hopefully will be trained as a TSR TAXPAYER Service Representative. I will be the fellow on the phone who will answer any and all questions you will have about your Income, Employment, Excise, etc., taxes. I will not audit taxes, so relax. Hi.

Well, that's about it for now. Say hello to the rest of the gang for me. Good luck in the June QSO Party."

Sincerely,

Paul J. Rilling  
W3HIT/5

\* \* \*

WCVB-TV, CHANNEL 5, OFFERS CERTIFICATE TO AMATEUR RADIO OPERATORS

WCVB-TV, Channel 5, is happy to announce that it will offer a certificate to all amateur radio operators in recognition of the contributions amateurs have made to the arts of radio communications and technical developments.

The certificate will be issued for having established two way communications with three (3) employees of WCVB-TV, Boston, Massachusetts. Former employees may also be counted.

There are no date or time limits on the contacts, QSL cards are not required and contacts made through repeaters are acceptable. There is no charge for the handsome certificate designed by the WCVB-TV art department. Certificate will be endorsed for band and mode if requested. TM certificates may be earned additional times if new contacts are submitted or on additional bands after the initial award. Send log data showing call of station worked, date, band and mode to: R.W. Jennings, W1DKD, 15 Cliff Ave., Scituate, Mass. 02066

Current and former employees of channel 5: W1CHA, W1DIL, W1DKD, W1EDI, W1GVV, W1IGP, KNKIRP, W1JFK, W1JN, W1JRQ, W1KBO, K1KJC, W1LHZ, W1MRQ, W1LOAE, K8RLG, W1OMR, W1ORV, W1RSS, K1RZN, K1UHH, W1UOP, KN1UWD, KN1UXV, W1WDT, W1YSN, K1ZGH, W2JW, K2QWA, W2VAC, W3ZKU.

WCVB-TV, Channel 5, Boston, Massachusetts, 02192

STATE OF NEW JERSEY

EXECUTIVE DEPARTMENT

PROCLAMATION

WHEREAS, the role of the Amateur Radio Operator in providing emergency communications during the time of national emergencies is well known; and

WHEREAS, their dedicated services for relaying messages to members of our Armed Forces and their families throughout the world creates a morale benefit not approached by any other service; and

WHEREAS, their dedication to Civil Defense efforts, friendly contracts with other amateur radio operators throughout the world, and their unique ability to set up communications during disasters such as floods and hurricanes is truly a devoted public service;

NOW, THEREFORE, I, BRENDAN BYRNE, Governor of the State of New Jersey, do hereby proclaim the week of

JULY 15, 1974

AS

AMATEUR RADIO WEEK

in New Jersey. This particular week has added historic significance, in the commemoration of Apollo 11, Moon Mission, 5th Anniversary, by the VHF Space Net, of Southern New Jersey.

GIVEN, Under by hand and the Great Seal of the State of New Jersey, this seventeenth day of June, in the year of Our Lord one thousand nine hundred and seventy-four and in the Independence of the United States, the one hundred and ninety-eighth.

GOVERNOR  
BRENDAN BYRNE

BY THE GOVERNOR:

SECRETARY OF STATE

MT AIRY VHF RADIO CLUB INC

19th ANNUAL

# PACK RAT PICNIC

SUNDAY

AUGUST 11 1974

FORT WASHINGTON STATE PARK

FLOURTOWN, PENNA.

All invited.....Members and friends of the Mt Airy VHF Club  
No Flea Market or Swap Shop.....just a good old-fashioned fun day in the country  
Door Prizes for hams, ladies, and children

Free Tables

Free Parking

Free Soda

Barbeque Pits Available

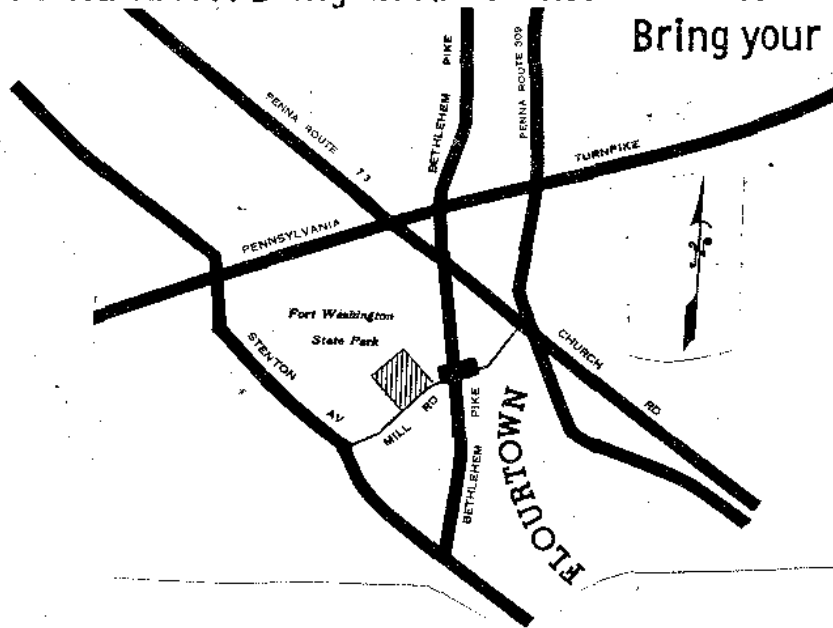
Childrens Games and Prizes

Adult Games.....the famous EGG TOSS

Mini-transmitter Hunt..... Bring an AM Transistor Radio

Bingo for the Ladies  
QCWA eyeball visits

Bring your camera



Bring your QSL CARD FOR DISPLAY..... Let others know you are here

WATCH FOR DIRECTION SIGNS ALONG THE 309 EXPRESSWAY

BETHLEHEM PIKE and ROUTE 73 ( CHURCH ROAD )

RAIN DATE AUGUST 18

TALK-IN W3CCX/3

REGISTRATION

\$ 2.00 per FAMILY  
AT THE PARK

50.2 MHZ AM 52.525 MHZ FM 146.52 MHZ FM

222.98/224.58 MHZ FM -10-



HELLO THERE



WELL?



WHERE'D IT GO?



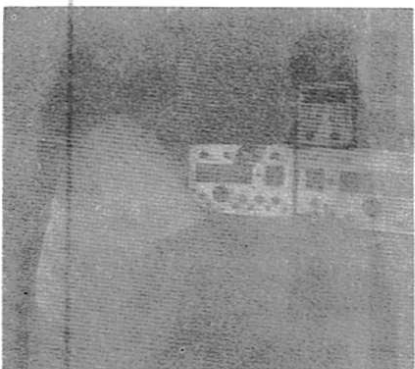
C Q



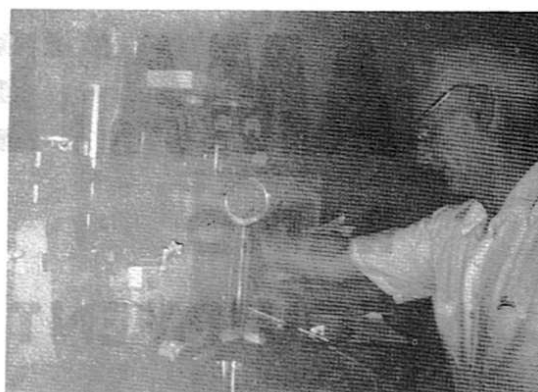
WHO'S MINDING THE STORE?



SHF



NEW PREZ.



MAESTRO



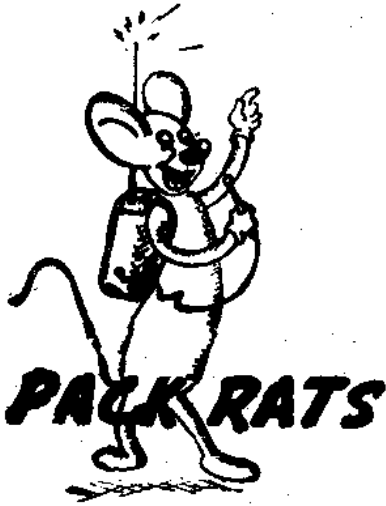
BIG SHOT & BODY GUARD

STORE  
HOURS

11:30 to 1:30  
1:30 to 3:30  
3:30 to 5:30  
5:30 to 7:30  
7:30 to 9:30  
9:30 to 11:30

# JUNE VHF QSO PARTY

Cheese Bits  
2087 Parkdale Ave.  
Glenside, Pa. 19038



W3FQD Dick Huntzinger  
130 Fairhill Drive  
Churchville, Pa. 18966

MT. AIRY VHF RADIO CLUB, INC.

**FIRST CLASS**

**MEETING NOTICE**

# AMATEUR

## RADIO

## EQUIPMENT

*"Ham" Buerger, Inc.*

66 N YORK ROAD, WILLOW GROVE, PENN. 19090  
(215) OL 9-5900

### STORE HOURS

Mon. 9:30 to 5:30  
Tue. 9:30 to 5:30  
Wed. 9:30 to 9:00  
Thur 9:30 to 5:30  
Fri. 9:30 to 5:30  
Sat. 9:30 to 5:30