

PACK RATS



CHEESE

BITS



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

MT. AIRY VHF RADIO CLUB, INC. PHILADELPHIA, PA. ARNS
50.2, 145.2, 221.4, 432.03, 1296.03, Repeater - 222.98/224.58 (WR3ACD)

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEETINGS: Third Thursday of Each Month at 8:00 P.M.
Southampton Free Library, 947 E. Street Road
Southampton, Pennsylvania

VOLUME XVIII

SEPTEMBER 1976

NUMBER 9

THE PREZ SEZ

Where does the time go.. Here it is the end of August. Labor Day is fast approaching and the clubs activities will be moving indoors. The Picnic, despite the weather, was one of the best ever. Such a close and warm feeling that everyone felt. It was exactly as billed - A family day in the country and for the afternoon everyone was part of one big family.

Moving along, our first indoor meeting on September 16th will be devoted exclusively to the EME Team. Talks, slides, tales, incidents and the problems will be discussed. This is a type meeting we will never have again, a type meeting you will never find anywhere else, a type meeting which can only happen once, so make your plans, cast everything else aside and bring yourself and a friend along.

Also, upcoming is the HAMARAMA on October 3rd. We need all the club members help we can muster. When contacted, offer a few hours help to one of the committees. A little help from each of us makes the effort easier on the rest and we can all say we helped make HAMARAMA what it is - a good club effort..

73,

Lee, K3MXM

PICNIC REPORT

By Carl, K3DLS for the Committee

The 20th Annual Pack Rat Picnic was held on Sunday, August 8, 1976 as scheduled in spite of the threatening weather.

The attendance was down but 150 braved the early morning rain and came out to welcome the EME Pack Rat heroes back home. The Committee with the help of many members prepared and decorated the Ft. Washington State Park Pavillion and created a festive atmosphere for this special occasion. Helium filled balloons including a large weather type with a "moon face" was among the novelties.

George Van Dyke, W3HK (SCM E.Pa.) was the MC for the event introducing the members of the EME group as well as the special visiting dignitaries. Connie-Mac, W3SW the Atlantic Div. Director congratulated the gang on their history making effort and then proceeded to present EME WAC certificate #1 to Al Katz, K2UYH who made the 1st EME contact with HK1TL. A number of the headquarters gang came down to honor the operational force. (W1SL, Tom McMullen, WA1WVK, Jim Kearnan (XYL Kathy, WN2TQH), KH6HQG, Jim Morris, and WB8BBC, George Baker).

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SWAP SHOP ITEMS - no charge.

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

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609- 783- 9478

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K3IGX, Richard Boyle (2 years)
K3JJZ, Elliott Weisman (2 years)
W3HQT, William Olsen (1 year)
W3YXF, Joseph Rushton (1 year)

MONDAY NIGHT NETS:

145.2 MHZ	7:30 PM	W2EIF
50.2 MHZ	8:30 PM	W3CL
221.4/224.58 MHZ	9:00 PM	K3GAS
432.03 MHZ	9:30 PM	K3IUV
1296.3 MHZ	10:00 PM	W2EIF

NET CONTROL

FRIDAY NIGHT ATV NET:

439.25 MHZ	7:00 PM	WA3AXV
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CALENDAR OF COMING EVENTS
Syllabus by Lee, K3MXM

SEPTEMBER

- 2 Official Mustache Day, wear one with pride today. Great Fire of London, 1666
- 5 They've got Mothers Day, they've got Fathers Day, and today is GRANDDAD'S DAY, yep, it is official, it is in the books. So be proud and show your pictures around.
- 5 YORK HAMFEST, Elickers Grove near Thomasville, Pa. West of York, Pa. on Rt. 30 just past the airport. Look for signs. About 1 1/2 to 2 hours from Phila. Talk in on .04/ .64 28/88 and 52/52.
- 6 LABOR DAY
- 7 Final BARCC meeting at the Casa Conti in Glenside, Pa. Dinner at 6:30 P.M. meeting follows. Convention Report.
- 9 Board of Directors Meeting, QTH, Elliott Weisman, K3JJZ, 8533 Algon Ave. Phila., Pa. Phone 215-742-3525
Directors and interested parties invited to attend.
- 10/12 ARRL, New England Division Convention. Boston, Mass.
- 11 Delaware Valley Chapter QCWA Dinner Meeting, Buck Hotel, Feasterville, Pa.
- 11/12 VHF QSO Party, see QST for rules and regulations.
- 12 South Jersey Hamfest, Molia Farms, Malaga, N.J.
- 19 Harrisburg Hamfest, Park and shop parking garage. 200 block Walnut Street
Talk in 16/76 and 52/52
- 16 General Club meeting, First indoor meeting of the season. Southampton Free Library, Street Road, Southampton, Pa. 8:00 P.M.
Program: Complete report by the EME Dxpedition gang - technical info.; slides, human interest stories. See the gavel for the Jan. 1976 VHF SS Champions. Refreshments, members and friends invited.
- 17/18/19 Bicentennial Hamvention (#6) Panther Valley Country Club, Hackettstown, N.J.
- 25 Elmira, New York Hamfest.

OCTOBER

- 3 HAMARAMA, Bucks County Drive-In Theater, Warrington, Pa. 8:00 A.M. til 4 P.M.
- 15/16/17 Air Force MARS Convention, Hershey, Pa. Region I Conference.

SOME RESULTS, 29th ARRL VHF SWEEPSTAKES

Hi Score Atlantic Division, Single Op, W3HQ7
Hi Score Atlantic Division, Multi Op, W3KKN, W3CXU, K3KMN
Hi Score E. Mass - Pack Rat WALKIR

TID BITS

It was like old times to see Frankie, W3SA0, Helen (Mother Rat) and grandchild at our Picnic. They have never missed one.

Congratulations to Mario, W3ELX who retired at the end of July. Please save some time for the Pack Rats away from your fire company card players OB.

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. HAMBAND RECEIVER: Heath-Kit Co. will start shipment on the new HR 1680 receiver on July 14th. The unit is a bit smaller than the trans/rec kits, about 12" square and 7" high. Only SSB and CW modes are provided in this all solid state receiver, which covers 80 meters to 10 meters. Other features of this kit are 100 kc cal. built in, diode band switching, and 15 Kc coverage per dial revolution. A tunable IF of 8.395 - 8.895 Mc converts to 3.395 Mc to cover 500 Kc segments. Price \$200 from factory.
2. TRANSCEIVER KITS: VHF Engineering is now assembling kits for 2 meters and 220 Mc. These module kits include two crystal decks, the 1 watt transmitter and 15 watt amplifier, scanner, and the receiver unit. Complete kits contain the cabinet, speaker, hardware, LEDs, and all instructions. These kits would no doubt be of greater interest for 220 Mc, since to date there are no scanner receivers available for that band. Ten channel operation is available on both transmit and receive. Price \$220-- 320 Water St. P.O. Box 1921, Binghamton, N.Y. 13902
3. COMMUNICATIONS RECEIVER: Yaesu has now entered the general coverage receiver market with their FRG 7 communications receiver. Like the Drake SSR-1 and Kenwood QR 666, the FRG 7 covers a continuous range up to 30 Mc from the BC band, and in the case of the Kenwood, below the BC band. Like the other two receivers, the FRG 7 is all solid state, with a built in Power supply and speaker. Thirty 1 Mhz ranges are covered using a megahertz tuning dial to select the range. The main tuning dial covers 1000 Khz. A synthesized frequency generation system is used, just as in the Drake SSR-1. No price listed yet, however it is expected that it will be in the \$350 range to match the Drake. Unlike the Drake, the RF attenuator is located on the front panel which is better than having to reach around to the back skirt. The preselector tune dial is calibrated, which is certainly a better set-up than the simple knob on the Drake. By the way, all three receivers are made in Japan. Yeasu Musen, 613 Redna Terrace, Cincinnati Ohio 45215.

VHF/UHF REPORT

By Jo, W2EIF

Activity continues to pick up on 2 meter SSB, both at 144 and 145. Six meters has declined as might be expected with the decline of the E skip season.

The high activity of the month centered on the period of August 10-14 which was the span that included the Perseid Meteor shower. Not only were meteor shower contacts available but it was interspersed with some very good tropo or duet type operation on 2 meters in particular.

K8III informed me that on the 11th, the 2 meter band was open for him, around midnite, to St. Louis, Southern Ill. while the Southern Ohio area was able to work into the Okla, Texas area. The same nite WA2CJK/4 in Norfolk worked into the Ill, Missouri area, also about midnite. The following nite WA2CJK/4 was able to work into Louisiana on Tropo and via meteors.

The evening of the 12th was also very good for tropo from this area to Maine and to Norfolk. K1WHS in Lebanon Maine had one of the strongest signals into this area that I have ever heard.

Don't forget the September QSO Party Sept. 11 and 12 and that the tropo season should be good to the end of October.

NOTE: Ray F. Clancy, WB2GTE, 222 E. Knight Ave. Collingswood, N.J. has been appointed SCM for Southern N.J. as of May 1, 1976. He replaces Charles Travers, W2YPZ who recently retired. Good luck...

Starting Monday, August 2nd a Ten Meter CW Net will be held weekly on Mondays at 8 P.M. local time on 28.160 Mhz. This net will be open to all, no matter what your class of license might be. The new FCC ruling allows Technicians to operate the same privileges as a Novice on the low bands; this is a good chance to get your speed up for that General Class.

de RF Hill Mhz Times

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 19152 USA



K3JJZ
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 19152 USA



HK1CWB-WB3AFY
 SOCRATES MARTINEZ
 625 Kingston Road
 Middle River, Md.
 21220 USA

LOG OF W3CCX MOON BOUNCE 432

<u>DATE</u>	<u>STATION WORKED</u>	<u>LOCATION</u>
23 FEB 75	WA6LET WOYZS KOTLM	Stanford, Cal. USA Kansas City, Mo. USA Kansas City, Mo. USA
24 FEB 75	W1SL	Collinsville, Conn. USA
20 APRIL 75	G3LQR	Woodbridge, Suffold, England
21 APRIL 75	W00Q1	Colorado Springs, Col. USA
23 APRIL 75	VE7BBG	Cowichan Bay, British Columbia Canada
18 MAY 75	F9FT PAOSSB	Reims, France Rotterdam, Netherlands
25 MAY 75	K2UYH	Trenton, New Jersey USA
12 JULY 75	JA1VDV	Gunma, Japan
17 JULY 75	K8UQA	Seven Hills, Ohio USA
8 AUG 75	VK2AMW	Woolongong, NSW, Australia
18 OCT 75	G3LTF	England
1 NOV 75	SM5LE	Nacka, Sweden
23 NOV 75	WA6LET	Stanford, Cal. USA (SSB)
13 MAR 76	I5MSH	Bologna, Italy
30 JUL 76	HK1TL	Barranguilla, Colombia

First contact made with AL KATZ, K2UYH; the first station in the world to make WAC on EME. HK1TL worked 16 stations in 8 different countries as follows: F9FT, K2UYH, W3CCX/3, I5MSH, PAOSSB, K3PGP, VE7BBG, LX1DB, W1JAA, W4ZXI, JA1VDV, W1SL, WOYZS, WA0TLM, K8UQA, and SM5LE. Partial with K4VOW, WB5LUA, ON4DY, and WA7TZY.
 75 OSCAR MODE 7B CONTACTS.



Mt. Airy VHF Radio Club, Inc.

EQUIPMENT

Transmitter: 1KW final 7650 driven by a 4CX300
Receiver: Drake 2B, H.B. Conv., Preamp FM 4575
2N5650
Antenna: 16 K2RIW Yagis

HK 1 TL

CHIEF OPERATORS



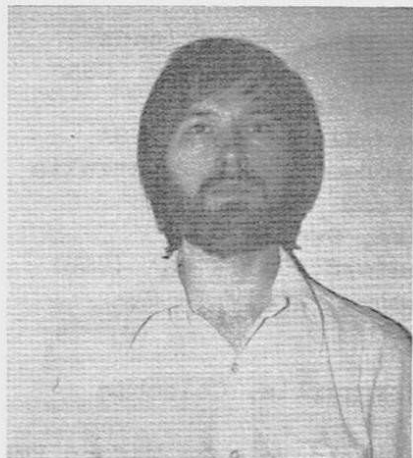
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S. William Olson
Box 197 R.D.
Ottsville, Pa.
18942 USA



K3BPP
Walter Bohlman
101 East Street
Doylestown, Pa.
18901 USA



W3HMU
Anthony F. Souza
Box 189
Ottsville, Pa.
18942 USA



WA3NFV
Daniel Mitten
108 Fernway Circle
Norristown Pa. 19043

The Colombian moonbounce project of the Mt. Airy VHF Radio Club is a combined effort. It could not have been accomplished without the dedication and assistance of a great many radio amateurs among whom are:

HK1BYM Dr. Atenogenes Blanco
HK1JJ Juan Navarro
Area 2 Radio Club


Colombian League of Radio Amateurs
Aerocondor Air Lines
W3KKN & W3TNP Mr. & Mrs. Ernest Kenas
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Unidentified Pack Rat Donor
W4ZXI Russell G. Wicker
Northern California DX Association

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CONTACT: Ron Whitsel, WA3AXV. Phone 215-355-5730

FOR SALE: Rohn 37 ft. heavy duty, galvanized crank-up, fold-over tower. 2 winches. Top plate thrust bearing. \$350.00.

CONTACT: George Eckert, WA3DTA.

Phone: 215-ES 9-8680 for appointment

FOR SALE: Glegg Interceptor "B" and all band converter. FET front end. \$250.00. SSR-13 HF receiver 110V. 2-32 Mhz. \$200.00

CONTACT: Dave Gindin, K3BPK
Phone: 215-MU 8-5709

FOR SALE: RG-11U-100 ft. Rods - 5 rolls \$60.00. 1 roll \$15.00 brand new. 5 ft. electric strips - \$12.00; 6 ft. electric strips \$13.; 6in. electric strips, 4 or 5 plugs \$4.50; 6 in electric strips 4 or 5 plugs with switch \$5.00 Name badges, desk plates; custom engraving. All above items sent COD, You pay postage or pick it up.

WANTED: 6 foot dish.

CONTACT: Gene, WB2UVB, or WA2MGV
Phone; 609-234-3926

WANTED: 6 mtr. low pass filter 220 Mhz AM gear.

CONTACT: Earl, WA3ZRE, Phone: 215-677-1699

STOLEN EQUIPMENT: At Vine and 5th Sts. Phila., Pa. Linear systems model SB-144 2 mtr FM-11 sets of xtals. SN720052.

CONTACT: Joe Reisert, W1JAA
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—Guru Maharaj Ji

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SUNDAY OCTOBER 3, 1976

8AM to 4PM

RAIN OR SHINE



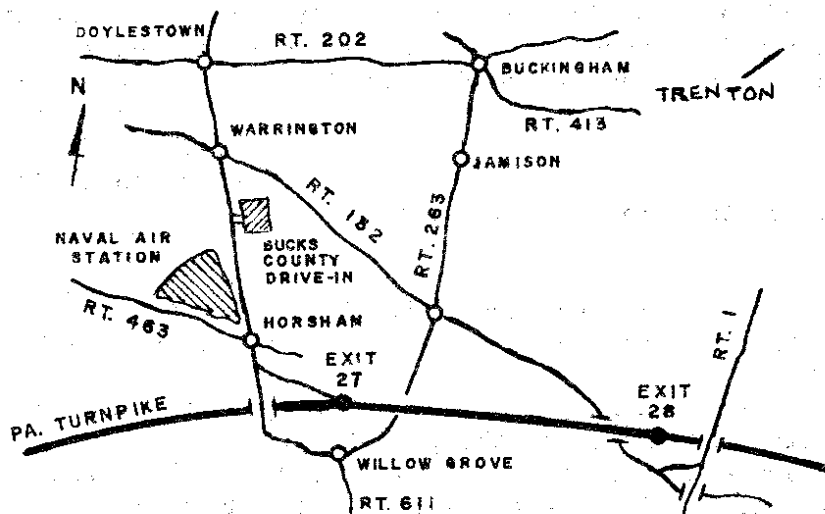
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INFORMATION:

LEE COHEN K3MXM CHAIRMAN
8242 Brookside Road
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Phone: 215 Me5-4942

August 7, 1976

Lee A. Cohen, K3MXM, President
Mt. Airy VHF Radio Club, Inc.

Dear Lee:

The South Jersey Radio Association extends its heartiest congratulations to the Pack Rats and the now-famous Moon Bounce team. The history-making first that the boys notched with their EME expedition to Colombia, S. America will go down as another accomplishment in the already impressive list of triumphs that the Mt. Airy VHF Radio Club has amassed to date.

Back in the mid-1920's an SJRA member gained national prominence by being the first North American amateur to communicate with S. America using short wave lengths and vacuum tube transmitters. I'm sure that no one in that early period of ham radio would have even thought of the possibility of communicating between N. America and S. America on 432 Mhz, let alone via the moon! Not in even the wildest of imaginations! Yet, just five decades later, your group has accomplished just that feat.

Congratulations to your club in general for supporting the venture, and to the members of the Moon Bounce team in particular for executing the event so beautifully. As was mentioned in some personal contact with a couple of the team members, SJRA would certainly enjoy a presentation by the EME expeditioners at an SJRA meeting in the near future!

73 and congratulations,
Frank W. Widmann, WA2YSW
President, SJRA

(Thanks for the kind words, Frank)

PICNIC REPORT CONTINUED

E1, K3JJZ and Tony, W3HMU gave first hand reports including many interesting human interest side lights. A full presentation will be made at the September meeting on the 16th.

The weather cleared completely in the middle of the afternoon and the children's games commenced including the peanut scramble. The famous egg-toss amazed our visitors and WB8BBC took some very interesting pictures. There were other events; quoits, bingo, card playing, and finally the prize drawings. Many thanks to the following contributors, ARRL, Ham Radio Magazine, 73, RCA, J.W. Miller Division of Bell Industries, Spectronics, Tab Books, Radio Amateur Call Book, Pack-Rat members and purchased prizes by the club.

We want to thank members of the Delaware Valley Chapter QCWA and the Mobile Sixers for their participation. Everyone agreed that this was one of the best and homey family day and picnics by the Pack Rats.

The Committee wishes to thank all those who aided in the planning and participation.
K3DLS, K3IGX, K3MXM

TID BITS CONTINUED

The August 19th Social Night Club Meeting at the Doc Cutler's was a real success. It was nice to see so many of the ladies there. Thanks Doc and Loretta for the FB hosting job. Harmonic of Tony Souza kept the refreshments moving.

Harry Brown, WA3NGK our Secretary took on the job of Chairman of the 1977 Jan. VHF Sweepstakes.

The Moorestown Amateur Astronomy Association is sponsoring the State of N.J. Bicentennial Award. A certificate will be presented for N.J. Station contacts on any bands. Contact WB2UVB and WA2MGV for details.

A speedy recovery to Peggy, XYL K3MXM our Prez., who underwent surgery recently.

All of the freight from the Colombian EME DXpedition was picked up August 21st at the Phila. Airport, Dave WA3JUF reports.

TID BITS

W2HX, BB Wentzel has been receiving treatment for "walking pneumonia" hope you feel better real soon OM.

The Club is looking for a cash flow to pay some current bills. Early payment of 77 dues will be appreciated.

Raffle chairman Dave WA3JUF requests donations from the Club members of good items to keep the event going.

W3ZD and W3CL attended the opening day of 1976 Phila. CB Super Jamboree and Fair at the Sheraton Hotel on Friday August 13th. The ARRL manned a booth under the direction of Chad Harris, WB2CHO assisted by members of the Penn Wireless Club. Dan Zinnie, WB3BLF was in charge with Bruce Farrington, WA3ZPC as gun bearer. Connie-Mac, W3SW arrived and was very pleased with the operation. The display attracted the attention of many CBers, some purchasing ARRL publications.

Received the following from K3VYG sent to him by Tony K4AWS from the August 10th Orlando Fla. Newspaper: Hymns Enliven CB Airways: Religion took to the Citizens Band radio airways Sunday in Kissimmee.

An unidentified church choir group took to Channel 19, one frequency used by truckers, and sang hymns for several minutes.

A spokesman for the Federal Communications Commission office in Miami, which regulates CB radio activity in Orlando, said Monday it had not received any complaints.

Change of Call Letters for Harry Brown was WA3NGK, now W3IIT.

VHF/UHF FLASH

Jo, W2EIF reports more terrific tropo openings on 2 meters on Thursday, Friday and Saturday August 19, 20, 21.

The 432 Mhz band was also open with contacts from 1 land to Tenn.

On Friday Night a tremendous duct from Toronto, Canada to N. Carolina. The gang in N.Y. were working Q land stations the same evening. Jo reports working Wisconsin on Friday night and Michigan on Saturday morning.

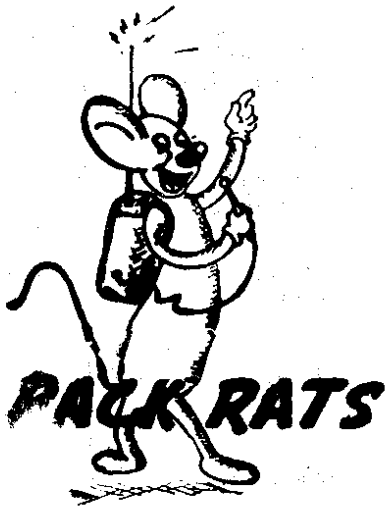
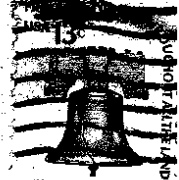
FIRST TWO METER WORKED ALL STATES was achieved by KØMQS when he worked K6YNG/KL7 via moonbounce Tuesday afternoon! The Alaska contact was particularly timely for KØMQS as he'd just nailed his 49th state -- Idaho -- when he contacted W7UBI on August 2. The QSO with KØMQS was, coincidentally, K6YNB/KL7's first EME contact though the DXpedition station had made some Perseids contacts.

VHF/UHF Bands Continue to offer "DX" treats with long-haul contacts almost a daily happening on two meters during past weeks. Numerous reports of exceptional conditions continue to reach HR Report, and W2BOC has asked for log data from any stations that participated in the June 26-28 openings on two and six meters to aid in sporadic E propagation studies he's making.

*** De HR Report

OFFICIAL BULLETIN NR 604 FROM ARRL HEADQUARTERS NEWINGTON CT AUGUST 19 1976 TO ALL RADIO AMATEURS BT. Beginning October 1, 1976, the FCC will cease issuing distinctive call signs to Novices. FCC states that the practice has created difficulties in processing applications, and has generally proven unsatisfactory. Starting October 1, Novices will be issued call signs that would not require changing upon upgrading to a permanent class of license. That is, Novices will be issued call signs with prefixes such as WA, WB, WD, KH6, KL7, etc. Those Novices currently holding licenses expiring October 1 or later will be automatically issued new licenses in the near future to reflect the changes. This group should continue using their Novice prefix until receipt of the modified licenses. AR

Cheese Bits
 2087 Parkdale Ave.
 Glenside, Pa. 19038



MT. AIRY VHF RADIO CLUB, INC.

W3FQD Dick Huntzinger
 130 Fairhill Drive
 Churchville, Pa. 18966

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