RATS

C MEESE



CLUB CALL: W3CCX

MT. ARY VHF RADIO CLUB, INC.

MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PA..... ARNS 50.125, 144.150, 220.125, 432.110, 1296.110 MHz, W3CCX - Repeater 222.98/224.58 MHz

Affiliated Club: AMERICAN RADIO RELAY LEAGUE

MEETINGS: Third Thursday of each month at 8:00 P.M.

Southampton Free Library, 947 E. Street Rd.

Southampton, Pennsylvania 19866

VOLUME XXV

JULY, 1983

NUMBER 7

THE PREZ SEZ

During our regular meeting for June we were treated with an outstanding presentation by Steve, WB2WIK and Pete KB2T. This was one of the greatest presentations on amateur radio that I have ever witnessed. The photography and sound were simply out of this world. Anyone who missed this show really missed a treat. Great job fellows! Thank you for your time and efforts.

Well, the officers for 1983-1984 have been elected, and we look forward to your support throughout the year. I believe that those of us who are entrusted with the duties and responsibilities as officers will rise to this occassion. Let us collectively carry out these duties with absolute objectivity, always insuring that the decisions represent the majority rather than the opinions of a few. Additionally, each member of this great club needs to meet his responsibilities by coming out to meetings and supporting the activities, not only in January, but throughout the year.

As I begin a new tenure as your president, let me express my sincere appreciation for your support over the past ten month period. It was indeed a rare privilage to serve in that capacity. Looking forward to the coming months, I will work hard to bring increased visibility to the " Pack Rats".

Improvement in public relations, increased attendance at our meetings, resposibile roles and active involvement of new members, and increased contribution to the VHF world; are among our top priorities for this year.

With your support, I am confident that we can achieve those four objectives.

73, Bill, WA2DFU

Pack Rats CHEESE BILS is a publication of THE MT. AIRY VHF RADIO CLUB. INC. Philadelphia, Pa. and is published monthly.

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SWAP SHOP ITEMS - NO CHARGE

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING: THE THIRD THURSDAY OF THE MONTH.

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W3CL, HARRY B. STEIN

MONDAY NIGHT NEIS			NET CONTROL
7:30	PM -	50.125 MHZ	W3CL
8:00	PM -	144.150 MHZ	W2EIF
8:30	PM -	222.98/224.58	K3GAS
8:45	PM -	220.125 MHZ	WA2DPU~K3GYS
9:00	PM -	432.110 MHZ	K3IUV-WA2DPU
9:30	PM -	1296.1 MHZ	W3CXU

PACK RAT REPEATER 222.98/224.58 MHZ/ W3CCX LOCATED IN CHURCHVILLE, PA.

1983-1984

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CALENDAR OF COMING EVENIS Syllabus by Lee, K3MXM

TIT	Y

- 1-3 All you Civil War Buffs Relic and Collectors Show Gettysburg, Pa.
- 4 Independence Day have a safe and same 4th....
- The Annual Firecracker Hamfest Shellsville VFW Picnic Grounds Exit 27 off I-81 Sponsored by the Harrisburg ARC.
- 2-10 Do you like and enjoyreal good Penna Dutch cooking and eating- try the Kutztown Folk Festival Kutztown, Pa. about an hour or so north and slightly west of Phila.
- 9 Nittany ARC Hamfest State College, Pa.
- Board of Directors Meeting QIH WØRSJ, Bill Murphy 206 Hancock Ave. Norristown, Pa 2 blocks off Rte 202, just before the Sears store. If lost call 272-0558. Directors and interested parties always welcome.
- 15 St. Swithens Day
- 16 SCARC Hamfest Sussex County Fairgrounds, Augusta, New Jersey.
- West Jersey ARC Hamfest Super 130 Drive-In on route 130, Edgewater Park, New Jersey This hamfest was held at the McGuire AFB and now is at the above location. For info: Mary Lou Shontz, N2CLX 609-267-3063.

General Club Meeting - First outdoor meeting of the season.
WHITE ELEPHANT SALE AND AUCTION AT ZIMMERMAN'S GLEN (QTH de W3ZD)
Cenntenial Road south of Street Road, Warminster, Pa. Parking on field next to QTH.
Once a year chance to clean out the cellar or attic. You have the junk for a year or so and now it is the time and opportunity to pass it along. DON'T FORGET - wrap one package as your donation to the club and as your WHITE ELEPHANT. Sit back and smile as the bids go higher and higher and only you know what is wrapped inside.....
Traditionaly .. Pack Rat LIQUID REFRESHMENTS.

An open meeting to all - bring your friends and invite members of other clubs. A good fun_filled evening - and it never rains on our parade.....

- Okay you old timers today is the anniversary of Douglas Corrigan's famous airplane flight in 1938 .. wha hoppen??
- 31 BRATS Hamfest Howard County Fairgrounds Maryland.
- PICNIC FRIENDS OF K3VAN AND PACK RATS.. BRING FAMILY AND FOOD FORT WASHINGTON STATE PARK FLOURTOWN, PA. NOON SUNDAY JULY 31, 1983 RAIN DATE, 1 WEEK PREVIOUS. (tnx W3HKZ)

* * *

ATTENTION PENNA HAMS ... In the May issue of Cheese Bits there was a notice that House Bill No. 49 was introduced in the state legislature by Rep. Benj. H. Wilson, WA3ACB. "No zoning ordinance shall exclude or restrict the erection, location or height of an amateur radio antenna, or the tower supporting such an antenna ".... Now a bill No. 783 has been introduced in the Senate reading exactly the same as bill No. 49. Please write to your State Senator and ask him to support this bill.

- 3

NEW PRODUCTS OF INTEREST TO HAMS by Lyn, W3NSI

- 1. 432 MHz SWITCHED PREAMPLIFIER: Mutck litd has a group of in-line RF pre-amps for both 144 and 432 MHz. Many of the 2M power amplifiers have built-in receiver pre-amps, however, the 432 amplifiers usually do not contain the receiver RF amp. Mutck has three versions of their 432 unit. The TLNA 432s can be used with up to 100 watts of tranmitter power. It is RF switched and can be controlled by a PTT switch system. The RF switching in this case will over-ride the PTT feature to protect the amplifier if a problem occurs with the PTT system. The amp is mounted in a die-cast case with "N" type in and out coax fittings. The box also contains a 2 pole helical filter to restrict the frequency response. Power and control leads are fed thru feed-thru capacitors to minimize pick-up. The TLNA 432u is not RF switched and would be used in a receive only line. All other features are the same as the s version. The TLNA 432ub is not mounted in a box with fittings. This could be used inside an existing 432 transceiver. If DC power is removed from the s version, it will immediately assume the straight thru mode to protect the amp. All versions are rated at 14 db gain and 1.4 db noise figure. Price 432 s \$100, 432 u \$56, 432 ub \$39
- 2. 1296 POWER AMPLIFIER: A 1 watt in 15 watt out, RF switched, 13.8 VDC operated PA, is being sold under the Puma name. Several of the units in local operation give quite an increase in signal from the usual 1 watt MMT transceiver unit. Price \$329. Items in #1 and #2 can be purchased from the VHF SHOP, Box 349, RD 4, Mountain Top, Pa 18707 (717-868-6565) Catalog available.
- 3. 2300 MHz ALL-MODE TRANSCEIVER: Spectrum West is importing the Maki Denki UTV 2400 xverter. Frequency range is 2300-2308 MHz covered in four 2 MHz segments. The IF is 2 meters. Output is rated at 1 watt. This is probably the only commercial rig available for this band at the moment. A copy of the spec sheet with circuits and block diagram is available for \$1 Cost \$500 range. 5717 NE 56th St., Seattle, WA 98105

* * *

VHF/UHF REPORT by Jo W2EIF

The Spring Sprints produced activity on the bands 50 thru 1296 MHz. 2 Meters seemed to produce the best activity. No doubt the generally poor conditions existing throughout the Spring did'nt help any either.

Six meters has produced some good openings with some good DX including South America May 23. There was Aurora on the 27 and 28.

The June QSO party did not enjoy particularly good conditions, although there was a six meter opening Saturday afternoon and in the wee hours of Sunday AM. Those diehards that never quit til the end were treated to an Aurora opening on six and two during the last half hour of the contest and the band opened up on six after the test was over. Maybe we ought to go back to the old time period with seven hours off!

There has also been a general absence of good Tropo openings this Spring. Maybe things will pick up and we will enjoy good Tropo this Summer and Fall.

* * *

NOTE: OSCAR 10 was sent aloft on Thursday June 16, 1983 and was in an eliptical orbit. You may receive CW messages on the hour for about five minutes then it shifts to a telemetry mode. The frequency is 145.810 MHz and was very copyable in the Delaware Valley Area. The sattelite is in sight between 135° and 150° locally... and is 22,000 miles from earth at that time. For late information the AMSAT net operates on 3850 KHz at 9 PM EDST. The to Mark KB3CI for this info.

MR SALE: Optoelectronic's T-100 Precision Thermometer Accessory (-67°F to 302°F) and 8010 1GHz counter. Edsyn "Loner" soldering iron w/accessories, 10 to 50 W. Eico model 667 tube tester. General Radio 0.5 to 50 MHZ unit oscillator, 200 mw output. ME-6D AC Voltmeter, .005 to 500V, 250 KHz. Heathkit solid state electronic switch, & Heathkit Vectorscope-pattern generator. Sensitive Research DC milliameter/ameter, 15 ma to 30A in nine ranges, 0.25%. Make offers.

CONTACT: Joe Weaver

24 Hewett Rd.

Wyncote, Pa. 19095 Phone: 215-885-5595

FOR SALE: Rockwell Delta table band saw, belt driven with I/3 HP motor + steel leg set - commercial quality - good condx \$125 CONTACT: Harry Stein, W3CL

> 2087 Parkdale Ave. Glenside, Pa. 19038 Phone: 215-887-5052

FOR SALE: Kenwood TS-520 SSB Xcvr - \$300 Drake TR-6 .. 6 Mtr xcvr & Drake AC-4 Pwr Sply, manual - \$300. Drake TR-22 .. 2 Mtr xcvr & Drake AC-10 Pwr Sply plus Tempo Amp. & Pwr Sply. Xmtr needs a little work - \$125. HAL ST-6 TV unit and Model 28 Teletype - \$150. LM-8 Freq. Mtr - \$25. 3 Motorcycle lights - \$6.. 417A converter & Pwr Sply - \$10. These items on consignment to K3GAS.

CONTACT: Doc Cutler, K3GAS Phone: 215-635-1078

FOR SALE: Kenwood TS-600 6 mtr all mode & Vox-3 + ccy in box. mint condx - \$450 Ohio Scientific 6502 based microcomputer 28k Ram software/video monitor - \$300 CONTACT: Bruce Loss. WA3YUE

Phone: Work- 215-542-2966 Home- 215-947-4166

FOR SALE: Collins 75A4 Rovr w/extra filters - excellent working condx - \$245 Collins 70E-8H PTO w/dial assembly; 70E-17 PTO (2.5-3.5 MHZ); PTO (1-1.5 MHZ)

CONTACT: Harry Stein, W3CL Phone: 215-887-5052

THE UHF COMPENDIUM

A Notice

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ARRL BULLETIN NR 47 FROM ARRL HEADQUARTERS NEWINGTON CT JUNE 15, 1983 TO ALL RADIO AMATEURS $\overline{\text{BT}}$

Because of delays in mailing new Novice licenses, the FCC office in Gettysburg, Pa, is providing applicants who have passed the Novice exam with call signs and permission to commence operations immediately if the call sign has been issued by the FCC computer. If you, or someone you know, has been waiting five or more weeks for a new Novice license, call the FCC in Gettysburg at 717 337 1212 $\overline{\rm AR}$

Dear Pack Rats:

Thanks so much for your unforgettable hospitality during my visit to your club. Meeting and talking with the famous "Rats" was an experience I'll remember for a long time. What a pleasure! Thanks again.

If you ever need anything from Hq., keep me in mind. And good luck in the upcoming VHF Contest!

88.

Carol, AJ2I

* * *

TID BITS

SUNWATCHER, Jack Power, W2AXU, reports the monthly Sunspot No. for May 1983 = 100.2. Smoothed No. for November 1982 = 94.2

Congratulations to our new officers listed on page 2. We wish them well.

Received a card from Pack Rat Dick Bokern, WB9PUJ from Pakistan. He has been traveling extensively in Europe and the Mid-East on business. Says 73 to the gang.

The SWOT (Side Winders On Two) Delaware Valley Net operates on 144.250 Wednesday evenings at 9 P.M. WB2BJH now located in Blue Bell, Pa. is net control. Please check in on this net. its a good one.

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VISITORS AT THE JUNE 16, 1983 MEETING

W2KFC, Lee .. Vienna, Va. W3COZ, George, Phila., Pa. AK30, Frank, Newtown, Pa.

K3KDF, Bud Smyth and grandaughter Judy, Phila., Pa. WA3ORE, Bill Brown, Phila., Pa.

WB2WIK, Steve Katz, Mt. Olive, NJ KT2B, Pete Putman, Morris Plains, NJ

* * *

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