# PACK RATS



ELE BEH D

A P R S R

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PENNSYLVANIA 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 Road

Southampton, Pennsylvania 19866

VOLUME XXVI

AUGUST, 1984

NUMBER 8

### THE PREZ SEZ

Well, we all had a fun time at our July meeting. The White Elephant Sale was a great success. I wuld like to thank Dave (W3ZD) for the sale site and his hospitality. Dave does a great job every year. Thank you Dave.

Thanks, too, to Dave (N3CX) and Bob (N2SB) for their reconnaissance of Spruce Knob Mountain, W. Va. for the UHF Contest on August 4 and 5. From Dave's report, they had some good contacts on 2 meters, 432 and 1296. It sounds like Bill (W3HQT) and his merry men will have a great time for the UHF DXpedition high atop Spruce Knob.

At the time you read this, (W3CCX) will be heading for W. Va. If you are not part of the group going down, you can be a part of the group by making a contact with them. Have a safe trip W3CCX.

Don't forget the August outdoor meeting at Doc's. I hope we will see slides hot from Kodak of the UHF Contest. Remember, wives and friends are invited.

73, Dave, WB2VLA

VISITORS - JULY 9, 1984
MEETING

KA2NYF - Janet, Deptford, N.J. WB2UVB - Gene, Moorestown, N.J. KA2CQY - Janice, Moorestown, N.J.

W3AJS - Ed, Oreland, Pa.
WA3YDZ - Dave, Springfield, Pa.
K3WJB - Drew, Phila., Pa.
WA3GHM - Gerd, Levittown, Pa.

Pack Rats CHEESE BITS is a publication of THE MT. AIRY VHF RADIO CLUB, INC.

Philadelphia, Pa. and is published monthly.

### SUBSCRIPTION RATE - \$2.50 PER YEAR

We operate on an exchange basis with other publications. Anything that is printed in CHEESE BITS may be reprinted, unless otherwise stated, provided that proper credit is given.

### SWAP SHOP ITEMS - NO CHARGE

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

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W2EIF, JOSEPH KILGORE 609-783-9478

### CLUB HISTORIAN:

MONDAY NICHE MERC

W3CL, HARRY B. STEIN

MONDAY NIGHT NETS		NET CONTROL	
7:30 PM -	50.125 MHZ	7-70	W3CL
			W2EIF
8:30 PM -	222.98/224.58	MHZ	K3GAS
8:45 PM -	220.125 MHZ		KS2T
	432,110 MHZ		K3IUV-NF2I
9:30 PM -	1296.1 MHZ		W3HOT

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# CALENDAR OF COMING EVENTS Syllabus by Lee, K3MXM

#### AUGUST

8 4 2 38

- For you poker players. This is the anniversary of the infamous Aces and Eights hand. "Wild Bill" Hickok killed while holding this pair in 1876.
- 4-5 ARRL UHF Contest Listen for and be sure to work W3CCX operating from Spruce Knob W. Va. Join the Expedition Contact Bill, W3HQT.
- 5 Winchester Hamfest Berryville, Va.
- 8 In case you already don't know its HAYFEVER SEASON....
- Board of Directors Meeting QTH, K3MXM, Lee Cohen, 8242 Brookside Road, Elkins Park, Pa. 215-635-4942.
- MARC Hamfest Bucks County Drive-In Theater Warrington, Pa. Note the new location. A nice local Hamfest well worth attending.
- No vacation yet....better hurry....
- General Club Meeting Second Outdoor Get-together QTH, K3GAS, Doc Cutler, 7815
  New Second Street, Elkins Park, Pa. A good fun filled nite with our gals and ole
  time slides and pictures. Remember the good ole days when we were all slim and hairy
  Come on out and enjoy the laughs and see ourselves as we were lo those many years
  ago...Short business meeting and plenty of refreshments...
- Ramapo Mt. ARC 8th Annual Hamfest American Legion Hall, Oakland, N.J.
- PACS 2nd Annual Ham and Chips Flea Market LaSalle College 20th and Olney Aves., Phila., Pa. Good chance to obtain those needed computer items from machines, programs and parts....
- Gloucester County ARC Hamfest Community College, Sewell, N.J. FCC Exams plus big flea market and Manufacturers Displays. Both Ham and computer materials.
- Central Pa. Repeater Association, 11th Annual Hamfest Hershey Park, Hershey, Pa. Big Hamfest plus special rates for Hershey Park for the family and kids. Come out and spend the day and see where they make all those Hershey Bars!!!

\* \* \*

Mt. Airy VHF Radio Club the "Pack Rats" c/o Doc Cutler D.A.R.T.
DEFEND AMATEUR RADIO FOWERS
P.O. BOX 2851
Huntington Station, NY 11746

July 16, 1984

Doc:

A non Profit, Volunteer Effort

Tax Tax Tax

Your club's contribution was the first deposit into our new checking account and you a charter benefactor. It has given our committee inspiration. We are hard at work getting things together but everything is going good.

You will be getting several things in the mail shortly as we get organized, and please realize that these items are for your information and not attempts to raise further funds from you. We would like to get you on our "Endorsement Roster". Could you please read the enclosed letter & packet as if it were addressed to you and return the endorsement coupon. The Again. Lloyd, WB2ZIT

2207-, ....

## NEW PRODUCTS OF INTEREST TO HAMS By Lyn, W3NSI

- 1. ICOM UHF MOBILE FM T/R: The Icom IC 27A for 2 meters has now been joined by the IC 37A for  $220~\rm Mc$  and the IC 47A for 440 Mc. All rigs have an output of 25 watts and feature scanning and memories. A speach synthesizer can be added to announce the receive frequency at the touch of a button. All radios are FM only and are very small in size. Price 440 and  $220-\$450~\rm list$ .
- 2. 1296 PA and PRE-AMP: Frontier Microwave now has two new items of interest to the 1296 gang. The LNA 1296 preamplifier uses a GaASFET design on low loss teflon PC board. Operation is on 12 VDC which should be turned off during transmit to help protect the transistor. Unit would be mounted up at the antenna and switched in and out of the circuit with good UHF relays. Gain is rated at 14 Db and noise figure at 1 Db max. with .8 typical. Preamp is mounted in an extruded aluminum case and has a built in voltage regulator. Price \$90.

The PA 1296-8W is a CW/SSB amplifier with an output of 8-10 watts with 1 watt input. Power required is 28VDC and -5VDC bias which would be switched on during transmit. Like the preamp the PA is important to avoid having the PA driven before the antenna is connected. Bias regulator is built into the PA case. Price \$200. Box 467 Ottsville, Pa. 18942

3. J.I.L. SCANNER: The new SX400 scanning monitor receiver covers 26-523 Mhz continuous, and with an optional RF converter can cover down to 150 Khz and up to 3700 Mhz!!! Twenty memory channels can be programmed for wide or narrow FM plus AM. Digital readout gives channel # and frequency. An optional interface allows computer control. J I C L - La Corp. 17120 Edwards Rd., Cerritos, CA 90701

# VHF/UHF REPORT By Joe, W2EIF

The Eskip season has been consistant by its almost complete absence with little activity on any of the VHF/UHF bands. Activity has been down throughout the Spring and Summer months. A few openings of short duration, however, have been noted.

The 220 and up contest of August 4 and 5 is coming and we should get on and keep the activity up. It was nice to hear Dave and Bob operating N2SB and N3CX from Spruce Knob, W. Va. the evening of June 14th. They did a fine job with the limited power and time. They had good signals on 2 and 432. I did not hear them on 1296, but understand they worked 8 stations on that band; 25 on 144 and 14 on 432.

### UHF CONTEST ANNOUNCEMENT

FLASH!! W3CCX/8 will be operating from W. Va. FMO8- during the ARRL UHF Contest August 4 and 5 from Spruce Knob mountain near Elkins, W. Va. Operation is planned on 220, 432, 1296, 2304 and 10 GHz from the 4800 Foot peak. With reasonable conditions, contacts show be possible up to 400 miles or farther on all these bands. The group will be looking towards the Phila. area at 15 minutes past the hour during the busy periods (Sat. PM 8:15 to 11:15 and Sun. AM 7:15 to 10:15 EST) All hams active on UHF are urged to get on and work the "Rats" and add to the activity in the contest. For more info. call Bill Olson, W3HQT, 215-538-0311.

#### SWAP SHOP

FOR SALE TO PACKRAT MEMBERS: 1. 80' Rohn, 25 tower, thrust bearing, 20' aluminum mast, guys (3 sets at 25',65' and 80'), guy insulators, Ham III rotator. On top of tower are the following: 2-2 meter boomers and phasing equip; 1-klm 14 e1 2 meter ant; 1-klm 14 e1. 220 ant; 1-220 boomer; 4-klm 16 el 432 ant & phasing harness; 1/2" hardline and connectors-4 100' runs; 7/8" hardline and connectors - 1 100° run; aluminum h-frame to hold 432 array and 220 and 2m horizontal arrays; turnbuckles for guys; torsion bars to connect guys to tower; rohn safety hoop. Price - entire package only \$350. firm. Buyer must disassemble. Price includes all of the above. 2. 432 transverter-MM - 28 Mhz in +Janel preamp(N.F.=0.3db)-\$190 for both. 3. 220 transverter-MM - 2m in+220 ARR preamp model P220 vda-\$180 for both. 4. B&W model 331 Little Dipper Grid Dipper-never used \$45.

FOR SALE: Do you need tubes for some of your equipment-will sell them at a reasonable price. Am getting out of the tube business shortly. Special price for the complete lot. CONTACT: Doc Cutler, K3GAS

Phone: 215-635-1078

5. Omega T antenna noise bridge model TE7-02 extended range  $\$20\,\mathrm{s}$ 

6. VHF/UHF noise boosters-all quite effective. All utilize a pair of 4cx250r's in strip line configuration. Built according to W2GN articles in Ham Radio. Typical performance is 5 to 6 watts in for 500 to 700 watts out. (a) 220 - \$250; (b) 432 K2RIW design - \$250; (c) 6m-not strip line but very effective \$200; (d) 2m-\$250. Note: All of the above include tubes, ready to make noise. Note 2: I have two power supplies for the above amps. Each supply is currently set up to control 2 or 3 amplifiers by switching screen voltages to the active amp. Both are rack mounted, ......... Ready to roll w/W2GN's hypersil transformers. I will sell them only w/the purchase of an rf deck. Price per power supply is \$200. All necessary voltages are available & metered. I also have a substantial supply of components and home brew materials which will be donated to the first amp or tower purchaser. Above prices are FIRM - not to call and take up my time unless prepared to meet these. I will put whatever does not sell by Aug. 15th on the general market.

CONTACT: Don Biresch

Phone: 215-847-5065 evenings preferable

TID BITS

Sunwatcher, Jack Power, W2AXU reports the monthly No. for June 1984 = 46.2 - Smoothed No. for December 1983 = 63.7.

Pack-Rat Carl Barish, KC7ZK visited with a number of members recently. Unfortunately, his trip East was to attend the funeral of his father. Our condolences Carl.

Health and welfare: K3GFF and K3MWV were hospitalized recently. Also, Susie, XYL of W2EIF and Gracie (WA3BJQ) XYL of W3HK are home again and feeling better.

The Kenas' went through traumatic problems recently - Joanne and Ruth Ann were hospitalized as well as Ernie W3KKN. XYL Bert, W3TNP was in a bad auto accident - broken arm and other injuries - all doing better now.

John Allen, W3CXU returned from the West Coast recently - visited with his daughter and family - developed a nice tan while out there

John Tate, K3KTY moving to Brandonton, Fla. Says he will be back on the air in a couple of months.

W2DWJ, Bill Romanow, a pioneer on UHF, became a silent key while working on his antenna tower when he suffered a heart attack. He will be missed on the bands.

QST DE WIAW, HR ARRL BULLETIN NO. 54 FROM ARRL HEADQUARTERS, NEWINGTON, CT. JULY 12, 1984 TO ALL RADIO AMATEURS BT: FCC TODAY ACTED ON FOUR ITEMS OF INTEREST TO AMATEURS.

- 1. THE COMMISSION ADOPTED RULES TO PERMIT THE RECOUPMENT OF EXPENSES BY VOLUMTEER EXAMINER VES, AND VOLUNTEER EXAM COORDINATORS, VECS. THE RULES PROVIDE FOR CONSIDERABLE FLEXIBILITY ON THE PART OF VES AND VECS AND DO NOT REQUIRE THAT EITHER PARTY BE NECESSARILY REIMBURSED. VECS WILL BE PERMITTED TO MAKE ESTIMATES OF ANTICIPATED EXPENSES TO ESTABLISH A FEE STRUCTU IF ACTUAL EXPENSES ARE LESS FOR THE YEAR, THE VEC WILL BE ALLOWED TO SIMPLY REDUCE FEES ACCORDINGLY IN THE FOLLOWING YEAR.
- 2. ACTING ON A NUMBER OF PETITIONS FOR RECONSIDERATION OF ITS VOLUNTEER EXAMINATION RULES, THE COMMISSION ADOPTED A NUMBER OF MINOR CHANGES. THE MOST SIGNIFICANT OF THESE IS THAT VECS WILL BE PERMITTED TO DESIGN THEIR OWN EXAMS IN ACCORDANCE WITH A COMMISSION SUPPLIED FORMULA. THE REVISED RULES ENVISION, TWO YEARS IN THE FUTURE, PERMITTING VES THEMSELVES TO DESIGN EXAMS.
- 3. FCC ADOPTED A NOTICE OF PROPOSED RULEMAKING, NPRM, IN WHICH IT IS PROPOSED THAT NON GOVERNMENT HF BROADCASTERS LICENSED BY THE FCC IN ITU REGION 3, FOR EXAMPLE GUAM, BE PERMITTED FOR THE FIRST TIME TO USE 7100 TO 7300 KHZ.
- 4. FCC ADOPTED ANOTHER NPM THAT PROPOSES TO REVISE PART 73 OF ITS RULES TO ELIMINATE THE EXAISTING REQUIREMENT THAT BROADCAST STATIONS OBTAIN PRIOR FCC PERMISSION BEFORE REBROADCASTING AMATEUR RADIO TRANSMISSIONS. AT THE SAME TIME, FCC PROPOSES TO CLARIFY ITS AMATEUR RADIO RULES TO MAKE IT CLEAR THAT AMATEUR RADIO STATIONS MAY NOT, EVEN IN AN EMERGENCY SITUATION, BE USED TO SUPPLY COMMUNICATIONS ON BEHALF OF THE MEDIA.

THE FULL TEXTS OF THESE ACTIONS ARE EXPECTED TO BE RELEASED WITHIN 10 DAYS. BOTH NPRMS WILL ALLOW 60 DAYS FROM THE DATE OF THEIR PUBLICATION FOR COMMENTS. PROSPECTIVE COMMENTERS SHOULD REFRAIN FROM FILING COMMENTS UNTIL THEY HAVE SEEN THE FULL TEXT. AR.

### FROM WESTLINK REPORT OF JULY 13, 1984

THE SPECTRUM THIEVES ARE TRYING TO STEAL 220 MHZ AGAIN. A coilition of Land Mobile users have petitioned the FCC for expanded spectrum above 800 Mhz and have also requested the FCC to consider reallocating 220-225 MHz for Land Mobile use at some future date.

### SPACE FILLERS

Hard and Fast Rules of Survival: (1) Never play cards with a horse trader who'll bet his sweet ass. (2) Beware of the doctor whose wife sells cemetery lots, whose brother owns a granite quarry, and whose father deals in spades. (3) Do not trust a veterinarian with the nickname "Bones". (4) No wonder the country is in a mess - half the people are below median intelligence...

A taxpayer is someone who doesn't have to take a civil service examination to work for the government.

The less you bet, the more you lose when you win...

It's hard to be nostalgic, when you can't remember anything ....

An antique is an object that has made a round trip to the attic ....

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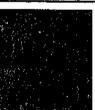
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