

# 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) Repeater 222.98/224.58  
AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE  
MEETINGS: THIRD THURSDAY OF EACH MONTH 8:00 P.M.  
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SOUTHAMPTON, PENNSYLVANIA

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## THE PREZ SEZ

HAPPY NEW YEAR! By the time you read this the January Contest is history and I am sure the members will have made their usual outstanding effort. I want to thank Tony, W3HMU, for doing a fine job running the event for the club this year. Tony also did a fine job at last month's meeting organizing the Contest strategy session. Thanks are in order to Carl, K3DLS for his fine presentation regarding the grim holocausts at several Philadelphia refineries. Carl, by the way, is now joining the elite group of retired members who have served their time and are now relaxing on the veranda sipping mint juleps and watching moss grow on the trees. Right Harry?? This month's meeting is our annual Crying Towel session where everyone gets a chance to tell about his experiences during the contest. You would not believe what happens to some of our members. Guests are invited to join the fun and compete for the annual "Crying Towel". The terry tear soaker awaits the teller of the most heart rendering story.

February's meeting is once again Home Brew Night and is an excellent opportunity to communicate building ideas and techniques to your fellow VHF=ers. All types of projects are invited including those which are not specifically electronic in nature. Lets see the fruits of your mid night oil burning labor.

By the way, the date of the 1976 ARRL Atlantic Division Convention (July 23rd, 24th and 25th) is fast approaching. As you know, the club is heavily involved in running this event and has many members participating. Dave, W3ZD still has several important jobs open and seeks help from the membership. Please contact Dave as soon as possible if you are interested in helping. More next month on the clubs role in the convention.

73, Ron, WA3AXV

## PARA OFFICERS FOR 1976

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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.

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215 RA 5-1928

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WA3TEM, MARSHA STEIN

MONDAY NIGHT NETS: NET CONTROL

145.2 - 7:30 P.M. W2EIF  
50.2 - 8:30 P.M. W3CL  
221.4/224.58 9:00 P.M. K3GAS  
432.03 - 9:30 P.M. K3IUUV  
1296.3 - 10:00 P.M. W3HMU

FRIDAY NIGHT ATV NET: NET CONTROL

439.250 - 7:00 P.M. WA3AXV

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W3HMU, TONY SOUSA  
W3HQT, BILL OLSON  
WA3JUF, DAVE MASCARO

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

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CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXM

JANUARY DUES ARE DUE AND PAYABLE

- 1 Happy New Year
- 3 Alaska became a State - quick test - was this #50 or #51?
- 3-4 V.H.F. Sweepstakes - Our #1 and biggest contest of the year. Hoping to work all you fellows on the air.
- 6 Don't forget George, W3HK says ----- Book Review Net 8 P.M. 50.2 MHz  
Topic, 111-L.C. Projects by WA3NGK
- 8/11 SAROC - Las Vegas Sahara Hotel. Could you name a better place to recuperate from the contest.
- 13 WIAW - Qualifying Run.
- 14 Board of Directors Meeting, QTH WA3AXV Ron Whitsel, 209 Frog Hollow Rd. Churchville, Pa. If lost, 355-5730. Directors and interested parties invited to attend.
- 15 General Club Meeting, Southampton Free Library, Street Road, Southampton, Pa. 8 P.M. "Crying Towel Session" This is far and away the funniest meeting of the year and is open to one and all. Be sure to pack an extra handkerchief to wipe away those tears of sorrow or joy for some of the tales are mighty heart rendering. "Doc's Silent Auction", The Mario Raffle, Refreshments. Presentation of Space Net Contest Awards.
- 22-23 Those of you vacationing down South, ARRL Tropical Hamboree, Miami, Florida
- 24-25 Simulated Emergency Test. Contact Paul Mercado, W3FBF, The Eastern Pa. Section Emergency Coordinator and tell him you are available along with your station to handle traffic. All modes will be used. AM, FM, SSB and RTTY.

FEBRUARY

- 19 General Club Meeting - "Home Brew Nite", better get busy with those projects now.
- 7-8 DX Competition, Phone
- 14/15 10/10 Winter QSO Party
- 15 Vienna, Virginia, Winterfest, First Hamfest in the area.  
Only 7 months til BA3CC Contact Dave, W3ZD and offer your services.

COMING EVENTS: Every weekend in July will be part of the 3rd Anniversary Space Net. More details will be coming from K4AWS known to one and all as "Tony of Sicklerville".  
Western New York Hamfest - Rochester, May 22nd.

INTERESTING INFO: For you antenna aimers, DX Buff's and EME'ers. The City of Philadelphia is 39° 56' 58" latitude. 75° 09' 21" longitude.

Having troubles replacing those Japanese Transistors. Write to Western Pacific Electronics, P.O. Box 25837 West Los Angeles, California 90025 for a free catalogue.

JOTTING FROM THE EXCHANGE PAPERS: Info From Boulder: You may want to get on the mailing list for the weekly Radio Telecommunications Forecasts. This is a free service. You may subscribe by writing to: U.S. Dept. of Commerce, Office of Telecommunications. Telecommunications Center Boulder, Colorado 80302. They are mailed weekly via Air Mail and seem to be well worth while receiving-de World Radio News de NCDXC DX'er. -3-

## NEW PRODUCTS OF INTEREST TO HAMS

By Lynn, W3NSI

1. Digital Clock Kit: The SD Sales Co. introduced a clock kit earlier this year at a price that seems hard to beat. The unit is complete with the exception of 10-12 volt transformer, PC boards (should use !!), and a case. The case can be a small metal box or a small box can be made from 1/4" wood as in the case here. In normal use, a switch and three push buttons are used for adjustment. The switch is used for selection of either 12 or 24 hour time readout on the 6 LED readouts made by Fairchild. (FND70) The pushbuttons are used to advance minutes, seconds, and to freeze the action while waiting for the time signal from CHU or WWV. The kit can be assembled in about 1 or 2 hours, less case. S.D. Co. is a new experience for those who are used to ordering parts, then waiting for 3 or 6 weeks for the stuff to come thru the mail slot. Count on 5 or 6 days from the time you put the order in the mail box. A first class operation from start to finish, S.D. will make good just as quickly on any thing that is incorrect. S.D. Sales Co. P.O. Box 28810 Dallas, Texas 75228 Kit \$9.95, PC Bds \$3.00 Trans. \$1.50

2. Parts Kits for 432 MC Amplifiers: ARCOS (American Radio Components Service) is now supplying parts for the type K2RIW high power 432 amplifiers, for those without a well equipped metal working shop. Units are also available wired and tested, at a higher price of course. Power supplies are also in stock to run either 1 KW or 2 KW PEP. Individual parts are also available. Write for price list. What we need now is a line of parts and metal work pcs of 146MC and 222MC units as well. Kit \$340 (wired and tested \$490) 1KW PS \$250 2KW PS \$525. ARCOS P.O. Box 546 East Greenbush, N.Y. 12061

### HR REPORTS

OSCAR ORBITAL PREDICTION BOOKS are reported off the press and being shipped. HR Report subscribers request theirs from HR Report in Greenville; others send \$3 to Skip Reymann, W6PAJ, P.O. Box 374, San Dimas, California 91773.

Two Low Cost Approaches to putting a 432 MHz signal into OSCAR 7 mode B were discussed on the 75 meter AMSAT nets this week -- VHF Engineering (Box 1921-H, Binghamton, N.Y. 13902) has a TX432B exciter and a PA432/10 amplifier, both \$39.95 kits, that combine to make (with minor modifications) an ideal 10 watt out Mode B CW transmitter. Those wanting a husky varactor multiplier from 2 meters to 432 should check out the 1N4885 Available for about \$18 from International Diode, 229 Cleveland, Harrison, N.J. 07029.

ARRL'S ANNUAL BOARD MEETING is scheduled to begin January 15 so it's a good time to remind your Director about your favorite projects. A particularly timely event in view of current close FCC/ARRL cooperation in WARC and other projects will be a meeting January 14 between board members and Amateur Radio's two most important FCC officials, Safety and Special Services Bureau Chief Charley Higginbotham and Amateur and Citizens Division Chief John Johnston

"HARRY O." SERIES on ABC-TV will utilize three real-life Amateur calls in the January 11 episode. The calls used are WA6ENL, K6AHM and WB6OFO - holders of the first two work at the Burbank Studios where it's produced, along with W6ZQQ, WB6MKI and WB6ASZ. With so many Amateurs involved the show should accurately represent Amateur Radio and be well worth watching check local listings as air times do get changed.

SECRECY OF COMMUNICATIONS limitations do not apply in the case of illegal transmissions; transmissions for illegal purposes or transmissions by illegal stations according to citations researched by W6ZVV. Tally ho, fox hunters!

### TID BITS

Hy, WA3NDE home now recovering from major surgery. Hope to hear you on the air soon.

W3HQT now known as "Gunboat Olson" man did you ever take a look at his shoes!

K3OBY, Jim Bowman back on the air on 6 meters thanks to Doc, K3GAS.

Danny Mitten, WA3NFV accepted the post of recording secretary replacing Gary, WA3YZC/1 now residing in Conn.

VHF/UHF REPORT

By Jo, W2EIF

Activity continues at the normally low level on all the VHF bands. The 432 Moonbounce tests from WA6LET furnished the major excitement. WA6LET transmitted at 432.1 MHz and listened in the 1st 100 KHz. W3HQT bill worked a California station on CW, using 200 watts and 4 yagi beam configuration. He later repeated the contact using the W3CCX 15' dish but this time on SSB K1PXE was able to work WA6LET with a hastily erected quad of K2RIW yagi antennas set on a tripod in his front yard. His power was about 200 watts. WA4GPM down Norfolk way was able to hear the Moon bounce signal with a single K2RIW antenna also near ground level but the signal was not good enough to make a contact, besides Buzz did not have the transmitter working!!

We all are aware by this time of the failure to announce the Jan. QSO Party in QST. Lets hope this kind of unprofessional attitude is corrected during the coming year.

The Packrat letter on the Contest goes out every year to about 250 VHF amateurs and it includes our DX list and a score sheet. At least a few VHF people have been notified of the contest!! We have received a few letters in return, thanking us for the data and indications are that several are spurred into getting more and better gear on for the contest. Anyway good luck in the Contest and have a good score!

\* NOTE: Received a letter from Tony, K4AWS who makes the following observation: "Naturally the big holiday bonus was on the 23rd when the skip broke the six meter band wide open and had the pleasure of working WA3NGK, W3KKN and K3EPB. It was the real highlight of that opening; even Mary got into the act and talked to the boys. So three Pack-Rats in one opening is not bad - hi- worked a total of twenty-four contacts and had finally phased out at 1:58 a.m. in this area."

TID BITS CONTINUED

Paul Mercado, W3FBF reports Pa. Institute of Technology Repeater operative on 146.025/146.625.

Many thanks to our "Cheese-Bits" typist Marsha, WA3TEM for her dedicated service during the past year plus.

Congratulations to three of our group on their recent retirement. K3DLS, W3SMK and W3ZD. Good luck to all of you.

Voted to Membership: WA3UXM, Greg Adams, 2037 Wharton Rd. Glenside, Pa. 19028 215-TU 6-2836. Greg is also a member of Penn ARC. He serves as technical advisor to the Abington High School ARC - great on home-brew projects.

Change of membership to retired List: WA3SPR, George C. Kugler.

NOTICE: Emergency Beacon Corp. (EBC) will be at "Ham Buerger's" on Feb. 7, 1976 with measuring equipment for a FREE Tune-Up of your FM rigs from 6 mtrs. to 450 MHz. Bob Hershman, WA3ZID advises.

OFFICIAL BULLETIN NR 566 FROM ARRL HEADQUARTERS, NEWINGTON CT DEC.18 1975 TO ALL RADIO AMATEURS BT: The Federal Communications Commission is proposing to require that original licenses and not photocopies be attached to applications for renewal or modification of the primary station license. The proposal in Docket 20672 is in reaction to applications filed by some amateurs in which the accompanying photocopy was altered from the original. Comment deadline in an original and 11 copies, is Jan. 22, with reply copies by Feb. 2, 1976. A separate action continues FCC deregulation of amateur radio by dropping, as of Dec. 24, 1975, the requirement for minimum operating time and code speed as a condition for renewal of amateur licenses. AR

OFFICIAL BULLETIN NR 568 FROM ARRL HEADQUARTERS NEWINGTON CT DEC. 18, 1975 TO ALL RADIO AMATEURS BT: The composition of the 4 ARRL Advisory Committees for the coming year has been announced by Pres. W2TUK. The Contest Committee chairman is K7NHV, with members W1KID, W2FVS, W3BQV, K5BAI, W5MYA, K6YNB, K8HLR, W9LT, WA0CVX and VE7CC. The VHF Repeater Committee chairman is W5NSQ, with members W1GXT, WA2GCX, K3GEG, K4DSN, W6GO, WA7WMC, W8GRG, K9LSB, K0TVO and VE3WT. The DX Committee chairman is K5FVA, with members W1DAL, K2BZT, W3BWZ, K4IKR, W6NJU, W7YTN, WA8ZDF, W9KNI, K0HUD and VE3QA. The Emergency Communications Committee chairman is W8ERD, with members WB2EDT, W3PST, W4IYT, WA4PBG, K5SVD, W6INI, W7IEU, W9QBH, W0PB and VE3DV. Correspondence for any of the committees may be addressed directly to the members or routed via ARRL Headquarters. AR

FROM THE MOBILE-SIXERS "HETRODYNE"

SIX METER NETS

SUNDAY	9:00 a.m.	50.604	Coffee pot net WA3RXO
	* 11:00 a.m.	50.125	East Coast VHF SSB Net *
	8:00 p.m.	50.900	Gloucester County AREC WA2SEA
	8:30 p.m.	50.550	MGW code practice
	9:00 p.m.	50.550	Mobile Sixers net W3AWA-WA3KFT-WA3DZT
MONDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	8:30 p.m.	50.760	Vertol BEARS Net
	8:30 p.m.	50.200	Pack Rat's Net
TUESDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	9:30 p.m.	50.550	Mobile Sixers MOW Net
WEDNESDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	7:30 p.m.	50.630	Delaware County Public Service Net
	8:00 p.m.	50.500	Warminster Amateur Radio Club
	9:00 p.m.	50.550	Mobile Sixers FAX Roundtable WA3DZT
THURSDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	8:00 p.m.	53.450	Warminster RACES (FM Net)
	9:00 p.m.	50.598	General Electric Net WA3KFT
FRIDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	8:00 p.m.	50.200	Space Net
SATURDAY	9:00 a.m.	50.604	Coffee Pot Net WA3RXO
	7:00 p.m.	51.000	Masonic Roundtable Net (MRT Net)

TWO METER NETS

SUNDAY	* 10:00 a.m.	145.025	East Coast VHF SSB Net (Will take AM) *
	7:00 p.m.	147.510	First State Amateur Radio Club (FM)
MONDAY	7:30 p.m.	145.200	Pack Rats Net W2EIF
	7:30 p.m.	145.350	Delaware County Public Service Net
	9:00 p.m.	145.680	Haverford Township Net
WEDNESDAY	8:30 p.m.	147.690	FM Warminster Amateur Radio Club
		147.090	
	9:00 p.m.	145.200	South Jersey Radio Association
			<u>ABOVE 148 MHZ</u>
MONDAY	9:00 p.m.	221.400	Pack Rats Net
	9:00 p.m.	224.580	FM Pack Rats Net output-input
		222.980	
MONDAY	9:30 p.m.	432.030	Pack Rats Net
FRIDAY	7:00 p.m.	439.250	Amateur TV Net WA3AXV
MONDAY	10:00 p.m.	1296.300	Pack Rats Net

\* Corrections made by Cheese-Bits Editor.

TID BIT

We missed our old friend King Three Norway Mexico Norway during the Jan VHF SS. The Len Pachutas were burned out of their home in Glenside on Dec. 11th -- one bedroom destroyed-- they were forced to live in a motel over the Holidays. They moved back Jan. 6th. Fortunately no injuries.

Received a note from Tony K4AWS who reports no local activity there during the contest. Worked a total of 24 sections during the openings. What ascore he would have had if he had been back up here! Worked only one pack-rat-- K3EOD. Things will get better Tony.



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### SWAP SHOP

FOR SALE: Glegg 27B 2 Mtr. FM. "No more crystals again" \$215.00

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FOR SALE: Lafayette HA-800A - 6-80 mtrs. Hamband receiver. \$50.00

CONTACT: Gene McFarland, 215-696-6614

FOR SALE: Sear Model 870.59280 - Spirit Duplicator stencils, fluid and instruction manual included. Excellent condition. Best offer.

CONTACT: W3CL, Harry Stein  
2087 Parkdale Avenue  
Glenside, Pa. 19038  
215- TU 7-5052

WANTED: Noise Silencer NS-1 for the Swan 250C. Prefer unit made by Westcom. Will take either.

CONTACT: Tony, K4AWS  
P.O. Box 15  
Sumterville, Fla. 33585  
904-793-5202

FOR SALE: R-48 Receiver for 220 MHZ Homebrew 220 MHZ Transmitter with Power Supply and Modulator. \$40.00

Contact: K3BPK, Dave Gindin  
9848 Cowden Street  
Phila., Pa. 19115  
215- DE3-0300

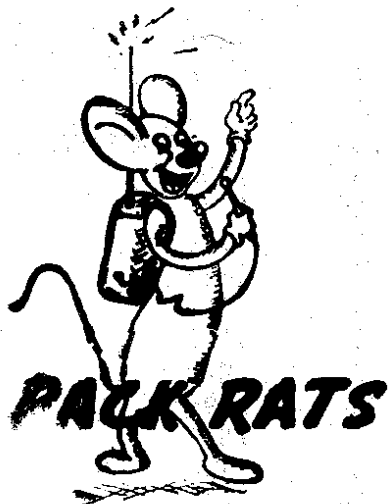


JANUARY VHF SS 3-4, 1976 - PRELIMINARY RESULTS

<u>CALL</u>	<u>CONTACTS</u>	<u>SECTIONS</u>	<u>SCORE</u>	<u>CALL</u>	<u>CONTACTS</u>	<u>SECTIONS</u>	<u>SCORE</u>
<del>W3HQT</del>	<del>400</del>	34	41008	K3GOZ	184	2	4416
W3KKN	545	26	39240	WA3HIT	172	2	4128
WA3AXV	425	27	31450	W2GIA	114	8	4104
K3MWV	401	28	30476	W3SMK	166	2	3984
W3ZD	450	20	27000	W3CLT	91	8	3276
K3EOD/3	325	23	21450	WA3JSR	122	3	3172
K3JJZ	357	18	19992	W3CCX	116	3	3016 (W3SAO)
W3HMU	311	20	18660	WA3IMT	100	4	2800
K3IUU	290	20	17400	WA3IDQ	105	3	2730
WA3NGK	304	17	16416	K3HIN	98	3	2548
WA3PUL	290	18	16240	W3NSI	102	2	2448
W2EIF	305.5	17	16497	WA3NFV	74	5	2220
WA3JUF	245	19	14210	WA3HVL	90	2	2160
WA3FOF	337	11	14154	K3BOY	78	3	2028
W3CL	323	11	13566	K3HES	79	2	1896
WA3YUE	267	15	13350	K3OBY	78	2	1872
K3BPP	272	14	13056	W3CXU	62	4	1736
W3HK	204	14	9792	WA3YZC/1	38	12	1672
K3ZSG	185	13	8510	W3BRU	58	3	1508
W3AJF	190	12	8360	K3DLS	53	2	1272
K3KTY	198	10	7920	W2GGB	49	2	1176
K3GAS	240	6	7680	W3KM	48	2	1152
W3GEW	210	6	6720	K3HSS	47	2	1128
K3EPB	172	7	5848	K3KMN	43	3	1118
W3FOD	156	8	5616	K3DLS/M3	44	2	1056
WA3EPS	191	4	5348	WA3UXM	43	2	1032
W3ELX	110	14	5280	W3CJU	34	3	884
K3MKM	185	4	5180	K3VEQ	33	2	480
K3DMA	180	4	5040	W3HKZ	20	2	480
K3IGX	188	3	4888	K3IGX/M3	15	2	360
WA3AQA	187	3	4862	K3DMA/M3	10	1	220
WA3OVH	179	3	4654	WA2MWB	5	2	120
K3VYG	158	4	4424				
K3ACR	65	3	1690				
K2EVW	67	13	3082				
							TOTAL- 526,791
WALKIR	155	26	11160				New Total. 531,551
WA3UDS	43	2	1032 (A friend)				

NOTICE: THERE WILL BE A WRAP-UP MEETING OF THE CONTEST COMMITTEE AND THE COORDINATORS ON JANUARY 24, 1976 AT THE QTH OF DAVE ZIMMERMAN, W3ZD IN WARMINSTER (JOHNSVILLE, PA.) AT 10 AM. PLEASE MAKE SURE YOU BRING ALL THE MEMBERS LOGS THAT YOU ARE RESPONSIBLE FOR. TONY, W3HMU ALSO WOULD LIKE FOR YOU TO THINK OF IDEAS FOR THE BETTERMENT OF FUTURE VHF CONTESTS. A DISCUSSION WILL BE HELD IN THE AFTERNOON. LUNCH WILL BE SERVED.

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

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# "HAM" BUERGER INC.

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MWF 9:30 to 9:00  
TThS 9:30 to 5:30

Bob Hershman, WA3ZID

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— AND MORE



LMB

"W2AU" BALUN

