PACK RATS



CHEESE



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MI. AIRY V.H.F. RADIO CLUB, INC. PHILADELPHIA, PENNSYLVANIA (APRS) (50.2, 145.2, 221.4, 432.03 & 1296.3 Mnz) Repeater 222.98/224.58 APPILIATED CLUB: AMERICAN RADIO RELAY LEAGUE MEETINGS: THIRD THURSDAY OF EACH MONTH 8:00 P.M. SOUTHAMPTON FREE LIBRARY, 947 E. STREET ROAD SOUTHAMPTON, PENNSYLVANIA

VOLUME XVII

DECEMBER, 1975

THE PREZ SEZ

January Contest time has arrived once again. My how time flies when your having The contest comes a little early in the month this year. January 3rd & 4th, so it is time to start preparation. With the extremely mild weather we've been enjoying this fall there should be no problem with antennas? And all your equipment is ready to go, right? Right! So, lets support the efforts of our Chairman W3HMU and go out and bring home number

I might mention at this time that there seems to be general increase in VHF activity. This is probably due to the availability of several new rigs for 6 and 2 meters and even 432 Miz. Also I think some disenchantment with F.M. operation has returned many VHF operators to the fold. So come on gang, lets all pitch in. This contest can be a lot of fun if you approach it with a positive attitude.

This months meeting is a closed meeting with only dues paying members invited. Please try to attend. It makes it so much simpler for all involved, if you pick up your contest material

The November meeting was kind of a potpouri of technical subjects. Thanks to Walt, K3BPP, who organized the program and thanks to our speakers who took the time to prepare their part of the program. Sorry that the program ram a little late but there was so much material to cover and even at that all the program that was planned was not presented.

As many of you already know we are losing several of our more active members. Stan, K3IPM, will be moving to the Harrisburg area (not WPM) next year. His simal will be missed. at this QTH? Also, Gary, WA3YZC, one of our newer members will be leaving for the Southern New England area. Both fellows will be missed by the club but should have workable signals into the Phila, area and since they are not all that far away we hope to see them from time to time. Both will remain members of the club. Good luck:

73, ROBSOWASAXV

SAGA OF FLIGHT 663 TO ATLANTA, By John, K3KTY & XYL Departure: 9:40 a.m. - 10 minutes late. 9:55 d.m. - pilot says: He cannot find runway!
10:05 - pilot finds runway - celling too low. 10:10 - pilot takes off - Aborts fitght takeoff! Says he got some bad information from flight attendant. 10:15 take off - 10:25 - 180° bank Pilot: We are on our way. 11:30 - pilot guess you folks would like to know where you are so would we - (laugh) - over N.C. 12:05 - 100 feet to final landing - Pilot - Copilot won he 'pilot of the month' with last landing here. Let's see what he can do now. 12:30 - Sorry folks, your luggage went to Savannah,

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DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

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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	3 -	9:30	P.M.		K3IUV
1296.3		10:00	P.M.		W3HMU

FRIDAY NIGHT ATV NET: NET CONTROL
439.250 - 7:00 P.M. WA3AXV

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Ed Clark

CALENDAR OF COMING EVENTS Syllabus by Lee K3MYM

	College of College Events
DECEMBER	Syllabus by Lee, K3MXM
DECEMBER	Derives its name from the Latin word (Decem) - as this was the 10th month
	of the Old Roman Year.
5	ti kan din kamandan kenangan din din dinangan kenangan dinangan dinangan dinangan dinangan dinangan dinangan d Anggan kanggan dinangan dinanggan dinanggan dinanggan dinanggan dinanggan dinanggan dinanggan dinanggan dinang
5	A great historical date for many members. Prohibition Repealed 1933.
	160 Weber Control (1997)
6	160 Meter Contest - see QST for details.
10	Board of Directors Meeting - QTH - Harry Brown, WA3NGK, 3012 Potshop Road,
	Norristown, Pa. If lost phone 584-4846. Directors and interested parties invited
	and the contract of the contra
12	Pennsylvania Admitted 1787.
	than the state of
13/14	Ten Meter Contest - see QST for details.
	大大大学,我们就是一个大学的,我们就是一个大学的一个大学的一个大学的一个大学的一个大学的一个大学的一个大学的一个大学的
16	You Vets of WW II - Battle of the Bulge - 1944
4 <u>14</u> 4 4 4 1	to the complete figure is a second of the complete of the comp
18	Closed Club Meeting - Members ONLY. Final preparations for the contest.
	Package and certificates will be distributed. Southampton Free Library -
	Street Road, Southampton, Pa. 8:00 p.m. Doc's Silent Auction - The Mario
	Raffle - Refreshments.
22	Winter Officially Begins - getting late for that antenna work.
25	CHRISTMAS DAY: The best from all on the Cheesebits Staff to all of you and your
	families. Operators are needed to man stations at the various area Hospitals
	to receive and handle traffic from the patients. Please contact me (K3MXM)
	if you can and would like to spend a couple hours in this most worthwhile project.
	project.
31	Happy New Years Eve.
JANUARY	1976 - 1976 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985 - 1985
1	Happy New Year's Day
3/4	VHF SS Contest
8/11	SAROC- Las Vegas Sahara Hotel
1.5	General Club Meeting - Open to one and all. "Crying Towel Session"
	DUES ARE DUE AND PAYABLE
NOTES:	John Lopez (ex Mr. HamBuerger) W3GJF/4 can be found around noon time during
	the week on 7.260 Mhz.
	Heard on 2M FM - "The rig here is so old we have it insured against fire
Service Services	theft, and Indian Raids".
	For you Hamfest Buffs: The first of the season, that we know of. February
	15, 1976, Vienna Wireless Society, Winterfest. Info: Viena Wireless Society,
	KATA P.O. Box 418 Vienne Virginia 22180

MARS PROGRAM THREATENED by General Accounting Office - report most miliary run MARS stations "are no longer essential to the Department of Defense". GAO Report: B-144239 did not recommend curtailing private MARS station operations.

K4TA, P.O. Box 418, Vienna, Virginia 22180.

VOTED TO MEMBERSHIP: K3HES, Daniel D. Greene, XYL Pauline, 2341 Ripley St., Phila., Pa. 19152. 215-DE 8-7946.

APPLICATION FOR MEMBERSHIP (STUDENT): WA3UXM, Greg Adams, 2037 Wharton Rd. Glenside, Pa. 19038. 215- TU 6-2836.

VISITORS AT MEETING ON NOV. 20, 1975: WA3NRU, Ken Klosinski, Levittown, Pa.; WA3NUF, Phil Miguelez, Penndel, Pa.; WA3UDS, Ric Janssen, Churchville, Pa.; K3HES, Dan Greene, Phila., Pa.; WA3UXM, Greg Adams, Glenside, Pa.; WN3ZPD, Joe Meiers, Langhorne, Pa.

NEW PRODUCTS OF INTEREST TO HAMS

By Lynn, W3NSI

- 1. Hand-Held 2 Meter T/R: Genave GTX-1, is the smallest H/T available for ham use at the present time. Only 8" high by 2-5/8" wide and 1-1/4" thick, it is rather well protected in its all metal case. One version, the GTX-1T has a built in touch tone unit. Six channels are available, with trimmers on both receive and transmit. A rubber ducky antenna and wrist strap are included with the HT. Transmit output is 2.5 watts. Price \$280. (\$330 with touch tone)
- 2. Frequency Counter Kit: TWS Labs Digi-Dial unit reads out transmitted frequency to 100 Hz Used from 10 meters to 160 meters, and very compact at 2 x 4 x 6 inches. Frequency is read on 3 digit .33" readout. Panel switch selects Khz or Mhz. Price \$60 kit \$80 factory assembled. TWS Labs, P.O. Box 357, Provo, Utah 84601
- 3. Channel Monitor: This little box allows a ham to have music coming through the speaker in normal fashion, until an aux, input from the 2M FM etc. has a station being received. When this happens the unit switches to the ham signal and mutes the music etc. while the ham station is on. It then reverts to its original mode with the music piped through again. Cost \$40 Comm. Power Inc. 2407 Charleston Road, Mountain View, California 94043.

TID BITS

Congratulations to Harry McConaghy, W3SW, (Connie-Mac) and Jesse Beiberman, W3KT on their election to director and vice-director respectively of the ARRL Atlantic Division.

We wish A1, K3EOD a speedy recovery from injuries received in a recent auto accident.

Best wishes to Gary, WA3YZC who is leaving the area for a new job in Connecticut.

Ron, WA3AXV lookingfor a volunteer to fill out the vacated job of recording secretary. Its a nice clean job and the position is part of the Executive Board.

Members changing their home address of phone number advise W3CL. We are almost ready to put out a new club directory. Your license expiration date is also needed if you haven't submitted it to date.

K3IPM family moving to Harrisburg after the first of the year. Good luck folks.

Linda Cutler taking course in TM. Bet it will improve your golf game. Stay with it Linda.

Come to the December meeting and pick up your VHF SS certificate for 1975. Jo, W2EIF did a beautiful job preparing same.

OFFICIAL BULLETIN NR 559 FROM ARRL HEADQUARTERS NEWINGTON CT NOVEMBER 6 1975 TO ALL RADIO AMATEURS BT: In response to a request by ARRL, the FCC has deleted the restrictions on crossband operation of repeaters effective December 15. This change permits a repeater to have its output frequency in a different band than its input. The Commission also clarified its rules as to when and how various types of amateur stations may retransmit the signals of other amateur stations. Further details will appear in an early issue of QST. Operators in need of details more quickly may send a stamped addressed envelope to ARRL Hq. and ask for a copy of the Report and Order in Dockett 20113 AR.

VHF/UHF REPORT By Jo, W2EIF

The last half of October produced some good tropo openings up and down the coast ar also to the Ohio area. The 19th of the month produced a good opening from Virginia to the Northeast. This was repeated on the 23rd and the 24th. The 27th produced a widespread opening on 2 meters which extended from Ohio to Maine and as far South as the North Carolina border. No North Carolina stations were heard here, and although K4KAE in S. Carolina was on, he was not heard here. Conditions continued more or less normal until November 4. Stations in Western New York and in VE3 land were lucky to find a duct of the existing to the Southwest which produced contacts into Missouri, Iowa, Nebraska and Kansas. The duct had a small offshoot from Michigan to this area and I worked K8HWW near Detroit with very good SSB signals. No other signals were heard from that area.

On the 13th of November, VE3ASO, who is now running an 8877 amplifier on 2 meters, was contacted and he was also worked by K1PXE. These openings are a result of the nice weather; warm days and cool nights that we have been enjoying lately.

There have been a few 6 meter openings lately and these should peak up ground the middle of December. It is a result of the peaking of the Es season in S. America.

K1PXE and W2EIF hav been joined by W3HFY on the Tuesday nite 220 get together. If you want to get in on it try after 8:30 p.m. K1PXE and myself have also made contact on 1296 on the Thursday nite 1296 roundup. Same time will be used as starting time. If you have gear for these bands see if you can join us.

WEATHER FORCASTS GOING ON VHF-FM

(From the Philadelphia Evening Bulletin of November 9, 1975) Residents of the Philadelphia area will be able to get weather information from the National Weather Service after the first of the year.

A VHF-FM station is being installed in the new Federal Building at 6th and Arch Sts. in Phila. with a transmitting antenna on a tower in the Roxborough area. Routine weather forcasts will be broadcast around the clock and will give warnings in case of natural disasters. The coverage is expected to be about a 40 mile radius. The National Oceanic and Atmospheric Administration (NOAA) networks are authorized to operate in the 162 MHz band. A frequency of 162.475 MHz is expected to be allocated to the Phila. station. A station has already been in operation in the Atlantic City NWS office at Pomona, New Jersey.

BOOK REVIEW NET RESUMES OPERATION

By George, W3HK

The Pack Rat Sponsored Book Review Net will resume operation Tuesday 25 November, 1975 on 50.2 MHz at 8 PM. and continue each week as long as we have books to review and reviewers to review them! The first six reviews are as follows:

25 Nov. 1975, General Class License Manual -W3HK 2 Dec. 1975, Advanced Class License Manual - W3CL

30 Dec. 1975 No net due to holidays 6 Jan. 1976, 111 I.C. Projects, WA3NGK

9 Dec., 1975, I.C. Handbook - W3HMU

13 Jan. 1976, I.C. Guide, WA3RCA

16 Dec., 1975 - Novice License Manual - K3KTY

Volunteer to do a review and get a book.

23 Dec. 1975 no net due to holidays.

FROM THE SCM: Thanks for the support of the Pack Rats in the recent election. I'm sure it was very decisive in my winning the election. Now the election is over how about more of the Club members becoming VHF Stations. A report once a month on the various experiments or information various club members uncover is all that is needed. The report can be a postcard. This way all the valuable information the club is developing will be published by ARRL for all to use. What say?

73, George, W3HK

HAMARAMA REPORT by Lee, K3MXM

How can I write a wrap-up report on the Hamarama without starting with a great big "Thank You" to those scores of club members, wives, boy scouts and friends of the Pack Rats who all pitched in and did their part to make this the biggest and best collective effort in the Club's history.

Those of you interested in numbers, we had a paid attendance of close to 1,600 persons with about another 200 who didn't register being either wives, children or non-member workers. The cash numbers I don't have, but Doc has a great big smile on his face and is assuring one and all that the club is solvent for another year. We had over 160 tail-gaters including many manufacturers, several of the Amateur Supply stores, many surplus dealers and scads of cellar cleaner-outers. The items displayed and sold ranged from World War I surplus to the newest in chips and Ic's. We had floral arrangements, craft products home aids, pickles, tools and tons and tons of parts and pieces. There were over 850 cars and trucks parked in the rows and extending onto the grass plots. There was even an Antique Ford parading up and down the drive-in.

We gave out over 100 door prizes, those not being picked up were mailed out. The ham coming the greatest distance came all of the way from New Zealand. Jack Yates won the 2m FM Heathkit, raffle item. Special thanks goes to Jim Spencer and the Philmont ARC Emergency Van (the ole yellow bus) with its portable PA system without which we would have been lost. Speaking of lost - we had lost and found several sets of car keys, door keys, watches, but no lost children. I think they all headed toward the playground and enjoyed parental freedom.

And the tents - where would we be without the yeoman efforts of Pete Shavney and his PennARC Club who tended delivery, erection and return of them.

We had one club member - who shall remain nameless at this writing - almost

take down the registration tent by engaging the guy ropes with his car.

The parking under the leadership of Gary aided by many club members and all those willing and working Boy Scouts. Seeing a 12 year old Boy Scout under that big red vest, coming down well past his knees, with a big handy talkie slung over his shoulders, moving and parking those cars around.....

The "Gate" under Tony's leadership was busy all day long from 7:30 AM 'till well past 3:30. The lines never seemed to stop coming and when they got a chance for a break still has me wondering.

All those women who worked in the registration tent, May and Leslie, Peggy, Sylvia and Marsha, Bert and Florence, a big Bouquet to all of you....

If we have overlooked anyone - it is not meant to be - the total effort was just tremendous...

Our future plans are to grow - each year the curve moves upward. Many ideas have been put forth and flaws have been pointed out for correction. The committee will meet early and start plans for '76 - so see you then.

ED TILTON, W1HDQ, VDSDTS THE "PACKRATS"

The Mt. Airy VHF Radio Club had the honor of a visit from its honorary member, Ed Tilton, W1HDQ on Oct. 16th. Ed exerted his priveledge as a member to invite himself to speak to the group. Ed's expertise in the area of VHF-UHF techniques and propagation is well known and recognized throughout the amateur radio world. The topic he chose for discussion was "Radio Propagation."

Ed will author a "propagation column" for "do-it-yourself" propagation predictions starting in the January issue of QST.

The discussion centered on the "quiet sun" since we are at or in the bottom of Cycle No. 21 of the Solar Cycle. He discussed ways and means of making use of information obtained from WWV bulletins and from observing radio conditions in the radio spectrum. He showed methods of plotting the varied information to permit the observer to obtain "now" predictions. His article, "The DX-er's Crystal Ball", starting in the June, 1975 issue of QST was the primer for his discussion, however, he expanded on it and included much nore detail. His discussion of the Solar Activity Cycle and its varied ramifications left a lot of delicious food for thought. The HFer and the VHFer can make good use of his suggestions, and thoughts to improve their operating enjoyment and making more efficient use of their operating time.



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FOR SALE: Clegg Zpus 6&2 xmitter \$100. Vanguard 432 MHz converter. 50-54 MHz output

(man be changed to any Freq.) \$30.

CONTACT: K3IPM, Stanley Smith

133 Hogeland Rd.

Southampton, Pa. 18966

215-355-2867.

FOR SALE: FM-21 220 MHz Clegg Transceiver Xtals for Pac-Rat, Trevose, Valley Forge, Lancaster, Meriden and Naugatuck, Ct. rptrs. Simplex xtal for 223.5 MHz. Good condition \$150.

CONTACT: W3FEY, George S. Gadbois

141 Maple Lane

Lancaster, Pa. 17601

SWAP: Solid State Vidicon Camera and power supply, complete 2 unit system w/composite VID. out-put-includes mike. lens - F 1.3, 8.5 to 24 MM-Zoom. Trade

for good rowr or transceiver or what you have.

CONTACT: W2GQK, Jack Sterner 619 Boundary Rd.

Pitaman, N.J. 08071

699-589-4399

WANTED: Power supply, 12V.D.C./5Amp. Fully

transistorized and regulated.

CONTACT: K3GOZ, Herm Klein 2600 Weish Rd. Apt. 39

Phila., Pa. 19152; 215-HO 4-6555.

FOR SALE: Cushcraft A147-11 Yagi for 2M FM \$15. Motorola T44-Revr strip for ATV. Fully converted. \$30.00.

CONTACT: WASHVL, Don DeRosa

205 W. Champlost Ave. Phila. Pa.

215-924-8101

WANTED: Low band transceiver or separate xmitter and receiver. An addt'l good make low band receiver. 2 Mtr. converter to work w/one of the receivers.

CONTACT: K3BAY, Joseph Weissman

1726 Tustin Street, Phila., Pa. 19152

215 RA 5-5295

FOR SALE: Clegg Intercepter B 6&2 mtr. rcvr. w/Clegg All-bander 10-80M up-converter. Mint condition and priced to sell. 6 Over 6 J-Slot for 220 Mhz Broadband design for entire band operation. Vertical or horizontal mounting.

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



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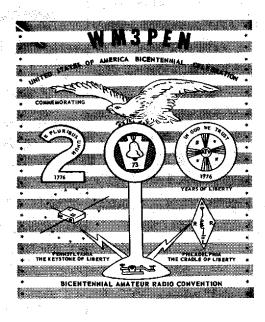
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775	Seasons Greetings W3HK George WA3BJQ Gracie WA3BJQ Gracie WA3BJQ Gracie WA3BJQ Gracie WASBJQ Gracie	XMAS GREETINGS de HERB-W2HF SEASON'S FREETINGS VONIN & BARBARA 143 KTY JOHIN JIM JILL BARBARA ANN	Greetings Gary WA3YZC
Season's Greetings Walt K3BPP HOLIDAY GREETINGS JOE W3YXF	SEASONS FROM DAN 6 K3HES SEASONS GREETINGS FROM WABNEY DAN ELUCY	SEASON'S GREETINGS TO ALL OUR FRIENDS FROM SYLVIA AND HARRY W3CL + MARSHA-WASTEM 11111 SEASON'S GREETINGS GORDON K3VYG FRMILY	1762 FOR 76 SEASON'S GREETINGS K32SG Seasons Greetings MITE and Cornel W3C/L

HAPPY Holiday BesT WISHES SEASON'S JEASONS FOR THE from HOLIDAY CY GREATINGS GREETINGS PENNARC K3DLS PETE - HI WAZAQA MARY WAZOVH WALT Dick, W3FOD WABRCA Boa Festal MAY PEACE, LIKE SEASONS THE JOY OF NATURE GREET ING-S FOLLOW YOU WHERE-"TEDDY" - WAS BYL EVER YOU GO. W3NSI RICH & JORGE LYN PATTISON K3ACR BEST HOLIPAY SPIRITS greetings from FROM THE ENTIRE Sunny and LEE COHEN (K3MXM) Carefree Florida CLAN --PEGGY - LINDA, JEFFREY, Tom of mildred mathewa



EX W3WIJ-NOWK4IJC

Arsenal employee earns award for Bicen design

ARNORLD, LARRY

BENNY (WOOF!)

B.A.R.C.C. REPORT ... by Harry, W3CL

The BARCC board meeting was held at the Casa Conti Restaurant, Glenside, Pa. on Nov.18,1975. The meeting was ell attended with 35 members, guests and visitors present. The director, ARRL Atlantic Division (now reelected to that post) was there looking good and in fine voice.

Chairman Dave Zimmerman, W3ZD discussed the new look to the make-up of the Board which now includes all the chairmen of the major activities. He circulated financial charts showing the projected income and expenditures month by month.

Doc, K3GAS the treasurer gave a report and announced that additional bonds have been purchased by the Delmont, Frankford, and the Mt. Airy VHF Radio Clubs. He also displayed the format of the registration ticket He introduced members of the Northeast R.C. who will assist in the registration activities at the convention.

Paul Mercado, W3FBF gave a report on the banquet plans and announced a meeting of that committee is planned for Saturday Dec. 6, 1975 for lunch at the Newtown Squire Inn, Newtown Square. Pa. The exective board was invited.

Lou Moreau, W3WRE reported on progress in connection of the Historical aspects of the convention.

Dan Sutton, WA3BKR showed the mock-up of the commemorative QSL card designed by K3GGA, (appears on another page in this issue), and was authorized to print 5000. The cards will serve as a standard QSL and will also be given to each registrant at the convention as a souvenier item.

George VanDyke, W3HK, the newly elected SCM, EPA will chair the ARRL activities in addition to his previous post of the Wouff Hong Cerimony director.

Horace Carter, K3ZAC is the FCC activities chairman and reports that John Johnston, K3BNS of the FCC will be in charge of the FCC Forum. Connie-Mac, W3SW recommended that Horace also invite Charles Higginbotham, W3CAH, FCC Chief, Safety and Special Radio Services.

We want to correct a notice in the last newsletter reference license exams as a feature of the convention. They will be given on Saturday July 24, 1976 at the new FCC offices in the Byrnes Bldg. at 6th and Market Sts. Phila. Please note that applications are to be submitted to the local FCC before that date.

Carolyn Currens, W3GTC head of the YL activities reports that they have planned a luncheon on Saturday July 24, 1976 from 1 to 3 PM in the Valley Forge Room of the Ben Franklin Hotel. Other YL activities, YL Forum, etc. will also be held in that location.

The program chairman, Harry Stein, W3CL announced that the keynote speaker at the Saturday night banquet will be Admiral Ray Schneider, USN, W3MJE, recently retired director Naval Electronics Command. He plans to give a rousing performance around our theme of " 200 Years of Communications".

Convention information can be obtained by writing to BARCC Chairman, P.O. Box 7170, Elkins Park, Pa. 19117.

The next meeting will be held at the Casa Conti Restaurant, Glenside, Pa. on Tuesday, Jan.13, 1976— dinner at 6:30pm—business meeting at 7:30pm. If you plan to attend, please notify the Secretary Pete Shavney, WA30VH at 215-886-1859.

Tid Bits (Cont'd)

Had a nice telephone chat with Jim Spry, W3KXH the other day. Jim had suffered another stroke some time ago and has been steadily improving. He sounded in good voice and wanted to be remembered to the gang.

K30BY, Jim Bowman reports that he will be looking for a bit of help to install a 6 meter halo so that he can be back on the air for the JAN. 3rd and 4th, 1976 VHF SS blast.

The editor attended a meeting of the Delmont Radio Club at the Casa Conti, Glenside, Pa. on Wed. evening Nov. 26, 1975. It was good to enjoy the company of some old and new friends. The main event of the evening was an illustrated talk on EME by Tony Souza, W3HMU; ably supported by W3HQT and K3BPP. Their lectures, very well received, centered about the activities of the Pack-Rat EME station W3CCX/3 located at the QTH of W3HQT in Revere, Pa. above Dolestown.



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W3FQD Dick Huntzinger 130 Fairhill Drive Churchville, Pa. 18966

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