

PACK RATS'



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PA.

ARNS

50.125, 144.50, 432.110, 1296.025 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 XXIV

AUGUST, 1982

NUMBER 8

THE PREZ SEZ

Well, I guess like all my predecessors I am saying what can I write about, how do I fill up a whole front page. I, of course, went thru a lot of old Cheese-Bits to find out what I should write about -- counted how many words, etc.

So here I go with my first shot at what to write. First I would like to say we are going to speed up our meetings by shortening our business portion and also moving back our coffee and donuts to the end of the meeting. Starting on time 8:00 P.M. holding down report times, making a short break - no 1/2 hour or more, but a legitimate 10 minutes. 9:00 P.M. to 10:00 P.M. for our speaker - 10:00 P.M. to 10:30 P.M. to socialize and have our coffee. Want to see if we can do it...come out for our first indoor meeting in September. Bill Smith WA2DPU, the new veep and I are asking each member to make a real effort to attend the meeting. We must have a quorum to pass an important change in the Constitution - there are many other things to discuss such as license changes, local laws which may restrict tower height, transmission times, legal actions that threaten our very existence as Hams.

Contest rule changes in VHF which deserve more than a nod of the head - this subject certainly should be addressed by the top VHF club. The league can only act if we let them know what we want. Lets not have rules made with which we don't agree if we don't; all speak up! Now the changes will be made.

I am asking our Board of Directors to head up various committees within the club, but they can only function if members participate. There is an old saying, let George do it. I am determined to let George off the hook, for good!!

The Board and the Officers of this Club are extending to each and every member a personal invitation to make all our meetings. The September meeting is going to be the first big one indoors -- a full house is expected. Please R.S.V.P. one and all by being there!!

More in the next Cheese-Bits.

73, John, K3KTY

.S. Don't forget "Doc's" annual outdoor meeting. Bring your YL or XYL and enjoy a great time at "Ham Haven".

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Pack Rats CHEESE BITS is a publication of
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publications. Anything that is printed in
CHEESE BITS may be reprinted, unless other-
wise 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

EDITOR:

W3CL, HARRY B. STEIN
2087 Parkdale Avenue
Glenside, Pa. 19038
215-887-5052

PUBLISHER/SUBSCRIPTION MANAGER:

K3GAS, DOC CUTLER
7815 New Second Street
Elkins Park, Pa. 19117
215-635-1078

PRINTER:

WB2VLA, DAVID POWER
609-882-1040

TYPIST:

WA3TEM, MARSHA LISSAUER

TRUSTEE OF CLUB CALL W3CCX

WA3AXV, RONALD WHITSEL
215-355-5730

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE
609-783-9478

CLUB HISTORIAN:

W3CL, HARRY B. STEIN

MONDAY NIGHT NETS NET CONTROL

7:30 PM - 50.125 MHZ	W3CL
8:00 PM - 144.150 MHZ	W2EIF
8:30 PM - 222.98/224.58	K3GAS
9:00 PM - 432.1 MHZ	K3IUV-WA2DPU
9:30 PM - 1296.025 MHZ	W3CXU

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

OFFICERS: 1982-1983

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VICE-PRES: WA2DPU, BILL SMITH
COR. SECY: W3ZD, DAVE ZIMMERMAN
REC. SECY: W3NSI, LYN ROWLAND
TREASURER: K3GAS, DOC CUTLER
DIRECTORS: W3IIT, HARRY BROWN
WB2RVX, MIKE GALLO (2 yrs)
WB2VLA, DAVE POWER (2 yrs)
WA3JUF, DAVE MASCARO (1 yr)
WA3NUF, PHIL MIGUELEZ (1 yr)

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CALENDAR OF COMING EVENTS
Syllabus by Lee, K3MKM

AUGUST

- 1 Those lazy - hazy-days are here....
- 3 Columbus set sail into the great unknown 1492
- 5 First Corporate income tax 1909
- 7-8 ARRL UHF Contest - 220 MHz and up.....
- 8 M.A.R.C. Hamfest - Budco 309 Drive-In Theatre - Montgomeryville, Pa. A nice growing hamfest and real close by - well worth a stop-bye.
- 11 Dog Days end
- 12 Board of Directors Meeting - QTH, WB2VLA - Dave Power, 25 Van Duyn Drive, Trenton, N.J. If lost call 609-882-1040. Directors and interested parties always invited and welcomed and remember Kirkland's famous 14th Law - "The usefulness of any meeting is in inverse proportion to the audience."
- 12 Hay Fever Season Begins
- 14 Social Security System Established 1935
- 15 DelMarva Hamfest - Gloryland Park, Salem Church Road, Bear, Delaware
- 17 Venetian Blinds invented 1841
- 19 General Club Meeting - Movies and Nostalgia Nite - Slides - Fun - Commentary QTH - K3GAS, Doc Cutler, 7815 New Second Street, Elkins Park, Pa. 19117 Nobody gets lost going to Doc's - so no phone number (who sez....215-635-1078) Ladies - XYL's, YL's, GF's welcomed, invited and urged to attend. A nice pleasant indoor/outdoor club meeting evening.
- 21-22 Alaska QSO Party
- 21-22 A5 Magazine F5TV UHF Contest
- 28 If you are vacationing in New York State, you might stop in at the Finger Lake Hamfest - Fair Grounds, Trumansburg, N.Y. Presented by the Tompkins County ARC.
- 28 DARA Family Picnic 1:00 P.M. till dark. Hills & Dales Paw-Paw Run
- 29 Gloucester County ARC Hamfest - Gloucester County College, Sewell, N.J.
- 30 William Penn set sail for America 1682

* * *

DIRECTIONS TO WB2VLA QTH FOR THE AUGUST 12th BOARD MEETING

I95 to exit 4A ... proceed on Route 31 South for 2 traffic lights and make a right at Trenton State continue to another light and make a right on Van Dyne Dr. go to the yellow house on the left side of the street. Dave will be monitoring the club 220 repeater.

* * *

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. ICOM IC 505 6 M: The new 505 is a multimode rig that can be used fixed or mobile running 10 watts output, or on internal batteries for portable operation at the 3 watt level. The usual Icom features are present in this unit including 5 memories with memory scan, dual VFOs, RIT, and digital readout using an LCD for low drain. An internal battery is used for memory backup. FM operation is an optional feature. Upper and lower SSB and CW are standard. Price \$495.

2. FULL BREAK-IN MODULE: The Amp Supply Co. has come on the market with a module that can be used between a transceiver and an amplifier to provide full break-in operation on CW with both units. Unit uses 12 VDC power and leads between transceiver and amp just plug into the QSK-1 module. Price \$59.50. 73 Maple Dr., Hudson, Ohio 44236

3. YEASU FT 230R: This 2 M FM transceiver features a 5 digit LCD readout of frequency, and the usual dual synthesized VFOs. Power output is 25 watts. As many as ten memory channels may be stored for recall or scanning. The unit can also be set up to check a priority channel every few seconds. Memory back up is a lithium cell said to last 5 years. The 230 is about 6 inches wide and 2 inches high, with a depth of 7 inches. Price not available.

* * *

VHF/UHF REPORT

By Joe, W2EIF

The 6 and 2 Meter bands have produced some good DX since Mid June. 6 meters has been open almost daily to some part of the country. Sunday July 11 gave us an Es opening on both 6 and 2 to the midwest.

The boys on 2 were rewarded with very strong signals to Minn. and Wisc. and other midwest states. VE1ASJ was on St. Pauls Isle and workable on both bands as well as the lower frequencies. Montanna and Wyoming were worked on 6.

Tuesday night July 13 yielded a combination Aurora and Es on both 6 and 2 meters and there was a reported 2 meter Es contact from the NE to Wyoming. K2UYH reports he worked a VE7 on 1296 via the Moon using 432 and tripling (SSB) to 1296 using a Varactor.

I am indebted to W2AXU, N3BHS and K2UYH for the above info. I was as usual, somewhere else when the activity was in progress!

* * *

Received a card from the Boyles (K3IGX) postmarked July 16, Jackson, CA. Muriel and Dick have been motoring these past weeks to Lake Tahoe, Carson City and hit the casinos at Reno. They are heading for San Fran to visit with their family and then back down again to Southern California. Weather out there has been perfect. When are you folks coming back East?

* * *

From WESTLINK report of July 16, 1982 ...

BUD HIPPISTILEY, K2KIR has been appointed as the Atlantic Division's Vice Director to fill out the term of Hugh Turnbull, W3ABC. Hugh succeeded Director Jesse Bieberman, W3KT, who died recently. ARRL President Vic Clark, W4KFC made the appointment.

* * *

DX NEWS..... W2AXU reports an E2 opening on 2 and 6 meters during the evening of July 20 with cross band (10 to 6) contacts to the Azores. CT2EE the call and Jack worked him.

SWAP SHOP

FOR SALE: 2 mtr. Drake TC-2 converter and matching receiving converter \$400 (negotiable)

CONTACT: Dave Johnson, W2BN
Phone: 609-386-5021

FOR SALE: 6 projection lamps - no. dep - \$10 for the lot.

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

FOR SALE: Kenwood 700S - E.C. \$450

Wilson 15 mtr 4 el beam \$10; hallicrafters HA 6 and pwr sply(6mtrs) \$50; Icom IC230 - 2M FM - \$100; Sony Betamax Vtr (plays but needs work) \$100.

WANTED: Motorola T44 2C39 output strip.

CONTACT: Gary Hitchner, WA2OMY
Phone: 215-539-6409

FOR SALE: Yaesu 2 mtr transceiver - FT225

RD- \$400. (25 watts - SSB-AM-FM-CW) Heathkit 303 rcvr. 401 xmtr and SB-650 converter -Turner Mike and Manual - Guaranteed mint - good bargain.

CONTACT: Sparks, W3GVR
Phone: 215-357-2865

FOR SALE: (1) Ten Tec Century 21 CW transceiver- 70 watts input-80-10 meters. All solid state.

Model 570 with book. New cond. \$175. (2) Clegg 22er FM 146-148 Mc Tunable rcvr. 9 chan.transmitter 30 watts - 115 VAC or 12VDC operation. New cond.

with mic and book \$75. (3) Hammarlund HQ 110A VHF all ham bands 160-2 meters-with Heath HO13 Ham scan panadaptor-new cond. with books. sep. ant. inputs for 2/6/low bands. \$135 for both units. (4) Kenwood TS 700Sp - 2 meter all mode 10 watt transceiver, new cond. with mic and book;digital readout. orig. list \$799---\$425. (5) Heathkit Panadaptor HO13, w/converter unit that allows use of HO13 w/IF of 10.7 or 3.035 or 455 Kc-New cond. with book. Both units \$50. (6) Shallcross Milliohmmeter 673D. Measures .0001 to 5 ohms on direct reading meter -AC operation in wood cabinet \$10. (7) Janel Labs 432CA rcvr. converter (432Mc) -28-30 Mc IF - new cond. w/book. low noise, operates from 12VDC or from built in P.S. \$30. (8) Janel Labs 220CA receive converter (220Mc)-28-30 Mc IF w/two crystals sw from front panel, low noise, operates from 12VDC or from built in P.S. \$30.

CONTACT: Lyn Rowland, W3NSI
334 Aldo Drive
Silverton, N.J. 08753
Phone: 201-255-5998

COMMERCIAL AD

Chassis-Kit: Chassis-Kit can save the home-brewer dollars, replaceable sides, end, and top plates. Any size up to 17" square of .040 aluminum. For quotes on other size send sase.

<u>Chassis-Kit</u>		<u>Bottom Plate</u>
3x3x2	- \$2.25	\$.65
3x4x2	- 2.50	.75
4x6x2	- 3.00	1.35
5x5x2	- 3.00	1.50
7x5x2	- 3.10	1.65
7x7x2	- 3.25	1.75
4x8x3	- 3.75	1.80
5x9x3	- 4.00	1.85
8x12x3	- 5.00	3.25
8x17x3	- 7.00	3.40
10x12x3	- 7.00	3.50
10x17x3	- 7.75	3.75

Add \$2.50 for postage & handling for 1st chassis-kit. Add \$.75 for each addt'l kit. Pa. residents add 6% sales tax. Prices can change without notice. Cabinet kit quote sase state size & of front opening. Side plates 20% as of chassis price + \$1.00 P&H for 1st & 50¢ for each additional. Byers CHASSIS-KIT, 5120 Harmony Grove Road, Dover, Pa. 17315

* * *

WANTED: Hammerland capacitors HFD 35X and HFD15X

CONTACT: Don WA3LAJ
Phone: 215-679-6873

* * *

N3AHI-- JAMES HOLT -- A HAM PROFILE

N3AHI, Jim Holt was first licensed in April 1956 as KN8BBN. Other calls held since then to the present -- KØLSQ, K8BBN, W4MIL and now N3AHI.

His activity covered 160 meters thru 10 on the HF bands. The VHF/UHF activity spanned 50 MHz to 1296 MHz with a primary interest in 6 meter propagation communications.

Some statistics as follows: 56 countries confirmed on 6, 24 states on 2, 12 states plus VE 3 on 220, 22 states on 432.

He holds the following coveted certificates: 50 MHz WAS #357, 50 MHz WAC, 50 MHz Canadaward #3.

Winner of numerous section and division VHF contest awards in Ohio, Michigan and E. Pa. Jim is a member of the A-1 operator club and a life member of the ARRL. He is currently serving on the League Ad Hoc VHF-UHF Contest Committee.

He is moving this month to a 1100 foot mountain location in Sugar Hill, GA. We will all miss this loyal Pack-Rat but look forward to making contact with Georgia on the VHF bands from N3AHI. Good luck Jim!!

* * *

FROM THE TRENTON TIMES JULY 7, 1982

TSC PROFESSOR WINS OUTSTANDING FACULTY AWARD

The American Society for Engineering Education recently cited Trenton State College Prof. Dr. Allen Katz for achievements of excellence in engineering technology instruction. Katz, chairman of the engineering technology department, was selected as the 1982 recipient of the ASEE Western Electric Fund Outstanding Faculty Award in the Middle Atlantic Section.

Dr. Katz, a resident of Trenton, was presented a certificate and \$1,500 at a banquet in Princeton. He was cited for his involvement and unwavering commitment to his profession and for his leadership in the dissemination of technical innovations to fellow educators. He was also praised for inspiring enthusiasm for electronics in his students and for his dedication to excellence in engineering technology instruction.

NOTE: Allen is K2UYH of EME fame and a good friend of the Pack-Rats!!

* * *

VISITORS JULY 15, 1982 MEETING

KA2NYF, Janet, Deptford, N.J.

KA3AIS, Bill Pileggi, Abington, Pa.

WB3EFO, Ed Lee, Huntingdon Valley, Pa.

KB3XG, John Sortor, Newtown, Pa.

K3KDF, Bud Smyth, Phila., Pa.

K3ZVC, Tony Dilwicius, Phila., Pa.

WA3GHM, Gerd Meigel, Levittown, Pa.

REINSTATED TO RETIRED LIST

K3HES, Daniel D. Greene

CHANGE OF ADDRESS

N3AHI, James R. Holt (After 8/25/82)
5096 Oakgrove Drive
Sugar Hill, GA. 30518

* * *

ARRL BULLETIN NR 59 FROM ARRL HEADQUARTERS NEWINGTON CT JULY 1, 1982 TO ALL RADIO AMATEURS BT:
At its July 1 open meeting, FCC has instructed its staff to draft a Notice of Proposed Rule-making dealing with a codeless Amateur Radio License. This NPRM will propose to simply remove the code requirement from the present Technician class license, with access limited to frequencies above 50 MHz. The present Technician class license requiring code and permitting access to the Novice bands would also remain in force. However, the NPRM will also explore the possibility of a codeless digital license, similar to Canada's Digital Radio Operator Cert., which requires knowledge of digital theory. Such a digital license could either be the only codeless license or it could be concurrent with a codeless Technician License. The NPRM will be released sometime this fall, & is a proposal only. There will be a comment period during which all interested parties will have a chance to make their views known to FCC AR.

TID BITS

Sun watcher, Jack Power, W2AXU, reports the sunspot no. for June 1982 = 110.4. Smoothed number for December 1981 - 137.6.

Steve, WA3WAS, made it back to the West Coast OK last month and reports that he is assembling his ham station and expects to be on the air soon.

A former Pack-Rat, Fred Hausler, W2IPF presently residing in Cape May, N.J. spent 4 1/2 months traveling -- 12,090 miles by car, 8000 miles by plane and 1000 miles by ship. Make a 90 mile run and drop in to a meeting sometime, Fred.

The Thursday night outdoor meeting on July 15, 1982 at Zimmerman's Glen was a fun event with an auction and white elephant sale. El, K3JJZ and Dave, W3ZD did the auctioneer chores to perfection. Refreshments were available and a lot of items changed hands - as Lee, K3MXM says from one basement to another. In the absence of John, K3KTY and Bill, WA2DPU arriving late, Dave Zimmerman, W3ZD our Secretary, conducted the business part of the meeting in fine style.

Ralph, WA3FOF and Carl, K3DLS are back home from hospitalization and are feeling better.

* * *

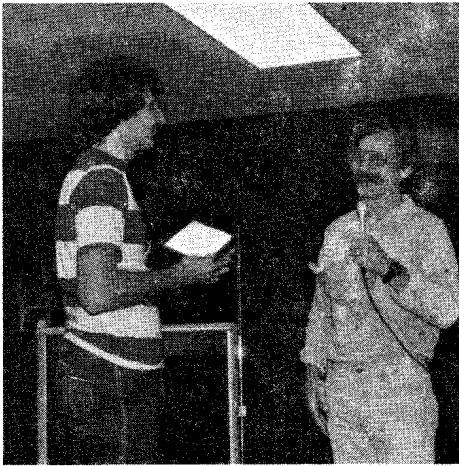
ARRL BULLETIN NR 61 FROM ARRL HEADQUARTERS NEWINGTON CT JULY 13, 1982 TO ALL RADIO AMATEURS BT: The ARRL Executive Committee has pledged wholehearted support of the radio amateurs of Burbank Illinois, in their fight to overturn an anti amateur ordinance adopted in that city. ARRL financial support has been offered to permit a preliminary injunction against enforcement of the ordinance to be sought in Federal court, as well as a declaratory judgment holding the ordinance to be illegal. Executive Committee action was by telephone conference call on July 9, initiated as soon as all committee members had received their copy of an extensive document from the amateurs of Burbank. ARRL Counsel and other League representatives have been working closely with amateurs in the Chicago area since the ordinance was adopted several weeks ago. The ordinance holds amateurs liable for any interference resulting from the operation of their stations, regardless of technical fault, and would place unreasonable restrictions on the installation of antennas. The ordinance adopted in Burbank, Illinois, appears to violate the U.S. Constitution in that it attempts to regulate areas pre emptied by the Federal government. AR.

* * *

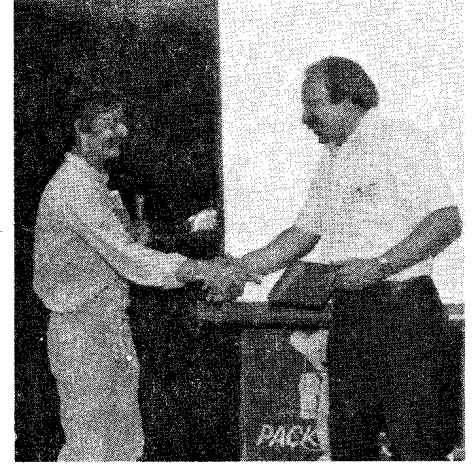
From WESTLINK Report dated July 16, 1982

AUDIO FROM THE FOURTH FLIGHT of the Space Shuttle Columbia was heard in real time around the world thanks to Amateur Radio. As on previous shuttle missions, the Jet Propulsion Laboratory Amateur Radio Club in Pasadena, California was provided with live shuttle audio by NASA, which was retransmitted over the club's W6VIO repeater on 224.04 MHz. (The audio provided to the club is called NASA select.) In the Los Angeles area, a remote transmitter atop Mt. Wilson owned by WB9RNW/6, and a number of other 2 meter and 220 MHz repeater stations relayed the net full time. Just a few of the L.A. systems operating include WA6VNV/Oat Mountain on 220, W6FXN/Duarte Ridge on 2, and W6MEP/Hollywood Hills (formerly K6MYK and WR6ABN, the nation's oldest operating repeater). Many other systems carried the Shuttle Net on a selective time basis.

* * *



"HOME-BREW" AWARD TO WB2RVX AND WA3JUF PRESENTED BY W3IIT OUR PREZ



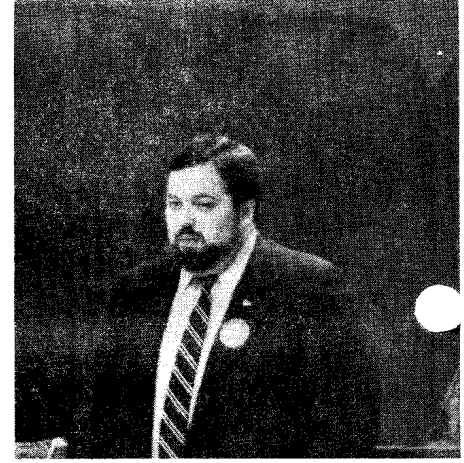
WA3AXV RECEIVES THE PACK-RAT #2 VHF SS AWARD



HUGH TURNBULL, W3ABC ATLANTIC DIVISION DIRECTOR



AWARD RECIPIENTS INCLUDES W3HQT WHO RECEIVED HIS "NUMERO UNO" PACK-RAT VHF SS AWARD AT THE ANNUAL BANQUET.

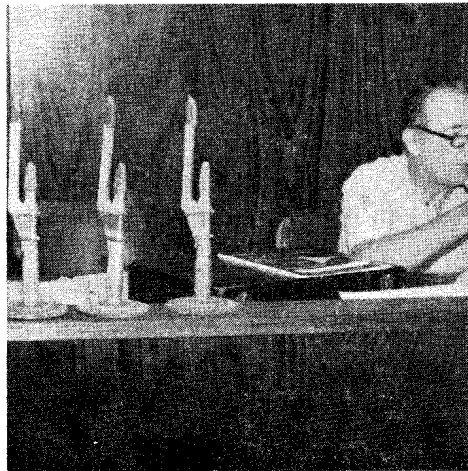


STEVE PLACE, WB1EYI OF THE ARRL CLUB AND TRAINING DEPARTMENT

ARRL . . . AWARDS NITE



WA2DPU TAKES THE PACK-RAT #3 VHF SS PLAQUE



W3KKN IS MYSTIFIED BY THE THREE "WOUFF-HONGS"



WA3JUF HOLDS HIS COVETED "MARIO AWARD" PRESENTED FOR TECHNICAL ACHIEVEMENT

THE MT. AIRY VHF RADIO CLUB, INC.
PRESENTS
HAMARAMA '82
AND
MID-ATLANTIC STATES VHF CONFERENCE
OCTOBER 2-3, 1982

THE CONFERENCE

SATURDAY—OCT. 2, 1982—9 A.M. to 5 P.M.
WARRINGTON MOTOR LODGE

(FROM PA. TURNPIKE EXIT 27 TAKE 611 NORTH 4.5 MILES TO ONE BLOCK NORTH OF ROUTE 132)

ALL DAY VHF PROGRAM MODERATED BY WELL KNOWN VHF'ers

COCKTAIL HOUR AND GET-TOGETHER AT 6:30 P.M.
in *PACK-RAT* HOSPITALITY SUITE

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FRIDAY EVENING FOR EARLY ARRIVALS

BUFFET DINNER AT 7:30 P.M. — \$11.00

REGISTRATION—ADVANCE \$3.00, AT DOOR \$4.00 (INCLUDES FLEA MARKET)

THE FLEA MARKET

SUNDAY—OCTOBER 3, 1982—7 A.M. to 4 P.M.—RAIN OR SHINE

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TALK-IN — W3CCX
146.52 Mhz

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REGISTRATION—\$2.00
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TAILGATING—\$4.00 per space
(Bring your own table)
(A.C. power available)

For more information contact K3MXM, Lee A. Cohen, Chairman
or phone 215-635-4942

Advance registration for the *VHF Conference* must be in the hands of the chairman by September 24, 1982

Name _____ Call _____ Number of Tickets _____
Address _____ Registration \$3.00 ea.
City _____ State _____ Zip _____ Buffet \$11.00 ea.

MAKE CHECKS PAYABLE TO THE MT. AIRY VHF RADIO CLUB, INC.

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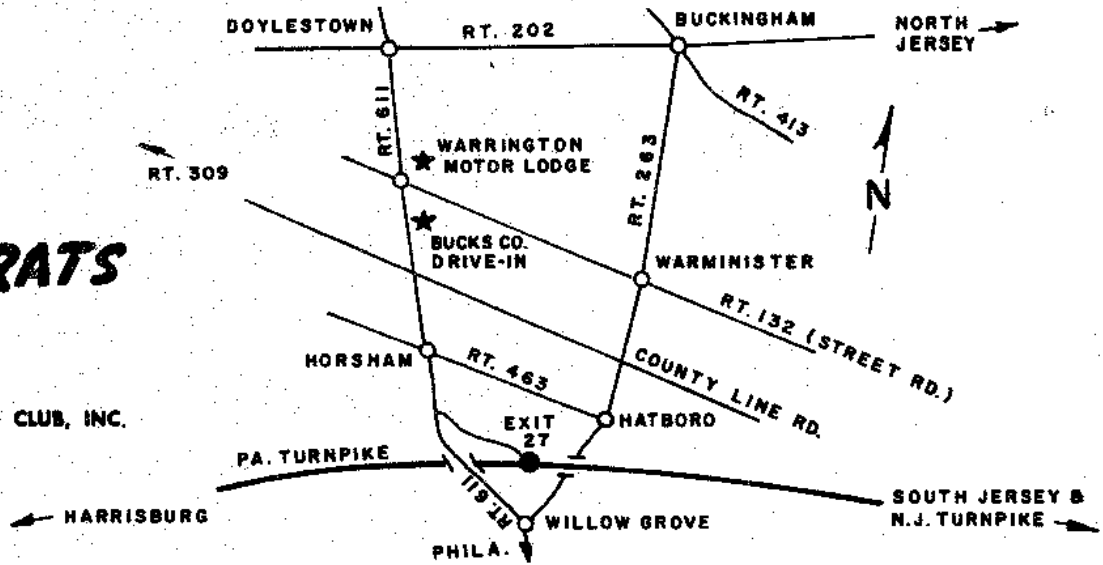
HAMARAMA
P.O. Box 311, Southampton, Pa. 18966

Advance tickets held at Door
SASE for Confirmation



PACK RATS

MT. AIRY VHF RADIO CLUB, INC.



HAMARAMA '82

AND

MID-ATLANTIC STATES VHF CONFERENCE

OCTOBER 2-3, 1982

CONFERENCE—SATURDAY, OCTOBER 2, 1982

FLEA MARKET—SUNDAY, OCTOBER 3, 1982

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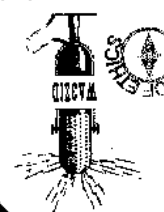
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