

PACK RATS'



MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, "THE PACK RATS", PHILADELPHIA, PA. W3CCX
NET FREQUENCIES: 50.150, 144.150, 222.125, 224.58/222.98, 432.110, 903.100, 1296.100 MHz
AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE ARNS

Meetings: Third Thursday of each month at 8:00 PM
Southampton Free Library, 947 E. Street Road
Southampton, Pennsylvania 18966

SCANNED TO PDF BY BERT, K3IUV, 2013

VOLUME XXXVII

August 1995

Number 8

THE PREZ SEZ

If you didn't attend the annual White Elephant Sale you missed out on a very fun evening. Besides the always gracious hospitality of Gary WA2OMY and family, we also had a visit by the club's premier auctioneer EI K3JJZ. EI kept the proceedings moving at a machine gun pace and only paused to explain to our new, and some not so new, members the history and strategy of a White Elephant purchase. The offering of electronic junkie at the sale must have been a little higher scale than usual judging by the frantic auction bids and pleased look on the club treasurers face. Thanks again to Gary, EI, and all his helpers for a very successful night.

The August meeting will be the infamous Packrat Picnic which will be held at a new location this year. The picnic will be held at Peace Valley Park located near Doylestown, PA on Saturday, August 19th, starting at 1 PM. Along with a shaded, covered picnic area, Peace Valley Park offers fishing and boat rentals so make plans now and don't miss out on a great time.

For many years the N3CX beacons have been lifesavers to those of us in the club and surrounding area who experiment on the higher bands. With Dave's passing the beacons are temporarily off the air but some of the best talent in the club are busy planning and refitting the beacons in preparation for their new home. The goal is to have the beacons on the air in time to help guide those January contest projects along. The new location for the beacons is close to the N3CX site so no one should have to search long to find them when they re activated. I'll keep you informed as the project progresses. In the meantime, to quote Dave's favorite expression - keep listening for the weak ones.

73, Phil Migulez, WA3NUF

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PACKRAT 222 MHz REPEATER - W3CCX/RPTR

222.98/224.58 MHz, Churchville, PA

OFFICERS: 1993-1994


PRESIDENT:	WA3NUF,	Phil Migulez
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	N3DQZ,	John Kauker (1 YR)
	N3OZO,	Don Schwartzkopf (2 YR)
	WB3KRW,	Steve Dallas (2 YR)

MONDAY NIGHT NETS

<u>TIME</u>	<u>FREQ.</u>	<u>NET CONTROL</u>
7:30 PM	50.150 MHz	K3EOD
8:00 PM	144.150 MHz	W2EIF
8:30 PM	222.125 MHz	WB2YEH
8:30 PM	224.58R MHz	K3ACR
9:00 PM	432.110 MHz	WA3AXV
9:30 PM	1296.100 MHz	WA3NUF
10:00 PM	903.100 MHz	N3AOG

COMMITTEE CHAIRMEN

LADIES' NIGHT: WA3YUE 610-630-1875
JUNE CONTEST: WB3DNI 215-672-5289
HAMARAMA: WB3JYO 609-538-1687
VHF CONFERENCE: KB3XG 610-584-2489

THE AMERICAN RADIO RELAY LEAGUEOST

HUGH A. TURNBULL, W3ABC
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K3WAJ

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Calendar of Coming Events - August 1995

Aug.

- 6 **Mid-Atlantic ARC Hamfest** at the Bucks County Drive-In Theater on Rte 611 in Warrington, Pa., five miles north of Exit 27 of the Pa. Turnpike. Talk-In on 146.66/.06 and .52.
- 6-7 **ARRL UHF Contest.** See July QST, page 112 for the rules.
- 10 **Packrat Board of Directors meeting** at the QTH of Dick, N3AOG. Call 215-443-9965 for directions.
- 13 **Perseids Meteor Shower** predicted peak at 0044 UTC +/- 3 hours.
- 13 The **Delaware-Lehigh Amateur Radio Club Hamfest** will be held at the Career Institute of Technology in Easton, PA. on PA 191. TI on 146.7R and .52. VE exams at 1 PM.
- 19 The August meeting of the Packrats will be the **Packrats Family Picnic** with all Packrats, friends, wives, kids, etc. invited. The picnic will be held at the Peace Valley Park (see map elsewhere in this issue), Pavilion #2 near Doylestown, Pa.. Call Al, K3EOD, 215-742-3312 if you wish to bring a covered dish to share. Start time is 1 PM. Boat rental and a fishing pier are available.
- 19 Alaska became a state.
- 19-21 First weekend of the 9th **ARRL Cumulative 10 GHz Contest.** See page 115 of the July QST for rules. Second weekend is 16-17 Sept.
- 19-21 **NJ OSO Party.** See July QST, page 115 for the rules.
- 20 The **Delmarva Hamfest** will be held at the Delaware Technical & Community College In Georgetown, Delaware. Talk-in on 147.675/.075, and 224.24/.84.
- 26 **SCARS Hamfest** at the Somerset 4H Center in Bridgewater, NJ.
- 25-27 The **21 th Annual Eastern VHF/UHF/SHF Conference** will be held at the Quality Inn, Vernon, CT. For information, contact Ron Klimas, WZ1V at 203-589-0582.
- 27 **Gloucester County ARC Hamfest** at the 4-H Fairgrounds in Mullica Hill, N.J. Talk-in on 147.78/.18, 223.06/224.66 and 146.52.
- 27 **Yonkers ARC Hamfest/Computerfest** will be held at the Yonkers Municipal Parking Garage, Yonkers, NY. TI on 146.865 and 440.15.
- 21 Sept. **First Indoor Meeting** of the Packrats at the Southampton Free Library in Southampton, Pa.
- 29 Sept. **20th Mid Atlantic VHF Conference** sponsored by the Mt. Airy VHF Radio Club will be held at the Quality Inn in Horsham, Pa.

Rover Poll Report

By: J.P. Kleinhaus, AA2DU, Chairman, ARRL CAC

Tues., July, 11, 1995 via the VHF Rover list

Hi, what follows is our conclusions from "Rover-Poll" data received. As of last week, the poll was officially closed, the feeling being that it has been long enough for anyone who is interested in the issue to respond. Also, we have an approaching deadline for the publication of rules for the January VHF contest in QST.

In addition to some numeric results, we also have a tentative recommendation that the CAC would like feedback on. After looking at the concerns and comments received with the poll, this is a rules change that should bring back the roving incentive as well as simplify scoring and discourage grid circling.

Please E-mail you Division CAC rep with comments. Alternatively, you can send mail to the entire committee at: CAC@ARRL.ORG to myself personally. Remember, the deadline is approaching, and the CAC will be voting by the end of JULY!

ARRL VHF Rover Poll -- taken May 1995

Summary of Results and a Recommendation

With this report you will find the results of the poll, without the charts and graphs in our written copy. Approximately 2,000 letters were sent to clubs and individuals. We received 464 responses-- or about 23% return! (Note not all questions were answered by each respondent. For that reason, some questions show lower totals).

Responses have been cross tabbed based on ARRL membership and on entry category. The latter is divided into three areas: R for rovers, O for other operators, and C for clubs. There were 113 rovers, 347 other operators, and 4 clubs that returned forms to us. Of the responding individuals, 437 are ARRL members and 23 are not.

Most categories show that, on average, respondents participate in more than half of our VHF contests. Further, the rovers tend to be rovers about half the time.

Participation in the club competition is not very great. With three (3) opportunities in the last three years the average is under 0.67. This stands in contrast to the level ARRL- affiliated club membership, which runs better than two to one (316 to 140) in favor of membership.

Sentiment runs about two to one against eliminating rovers from club competition, or in limiting their contribution to the same. Of the 464 respondents, 328 know what grid circling is.

Most would place no prohibition on rover-to-rover QSOs counting for points or multipliers. This is firmly backed up in comments which strongly urge us to do all we can to encourage rovers. (This runs particularly strong in comments from the "other" operators).

Over 70% (279 of 391 responding) favor awarding an additional multiplier to rovers for each grid they activate.

There were lots of comments. Most were to point out that the rover category has brought new life to ARRL VHF contesting, and that in some areas, certain grids were only activated by rovers. A few urged us to return to the pre- 1995 rules, while a smaller group urged us to keep the present rules.

Objectives for New Rovers Scoring Rules

New scoring rules must be:

1. Simple. No complicated formulas or exclusions
2. Fair. ALL competitors treated equitably
3. Progressive. Each QSO (on the same band) adds the same, or more, points to the bottom line as the QSO preceding it. Encourage rovers to rove.
4. Discourage grid circling. ARRL members want to curb this abuse. Scoring rules should make this practice not worth the effort.

Simple. In general, the simpler the scoring is, the better. Operators should be able to calculate their scores without regard to exclusions or complicated formulas.

Rovers should use the same summary sheet as others. They cannot do that under the 1995 rules. Rovers have to calculate the score from each grid activated and then sum those scores to determine their final score.

Contacts between all competitors (including rover-to-rover) should be encouraged. Fixed stations may need to work rovers from each grid they visit, and so rovers must be able to work them for additional QSO points. (I m told that rover-to-rover contacts are, for the most part, uncommon to rare).

Fair. The score from any entry, regardless of class, should be consistent with the individual s investment in time, effort, and equipment. Pre-1995 rover scores were disproportionately large.

Progressive. While each QSO adds the same, or more, points to the bottom line as the QSO preceding it for all other operators, the same is not true for rovers in the 1995 rules. The first QSO from a new grid only yields the QSO points (The multiplier is

only one, and this strongly tends to discourage rovers to rove.) For other competitors, QSO value rises as multipliers accumulate over time. This results in a bottom line score that tends to increase linearly.

Pre- 1995 rover scores accumulated geometrically because of the added multipliers gained in each grid activated. In the 1993 January VHF SS, 10th place rover, N2HKD, with 599 QSOs (246, 341 points) out-scored 1st place single-op, N2CEI, who had 783 QSOs (212,212 points). This trend is illustrated in the accompanying graph (omitted), and in the graph by Brian Skutt, ND3F (omitted).

Discourage grid circling. The pre- 1995 geometric score increases came from the continual accumulation of multipliers as a rover moved from grid to grid. When folks tried to call that to our attention, we paid no heed. They proved their point with grid circling.

A Recommendation -- U+A Scoring

There is a scenario that meets the expressed desires of VHF contesters as determined by the Rover Poll and the objectives outlined in this report. It's called U+A scoring. Here's how it works. Rover's score is determined by multiplying the total QSO points from all grids by the sum of activated grids and unique band- grids*. (A unique band- grid is a grid square worked on one band from any grid square. Each grid worked counts as a multiplier only once per band, just as in the fixed- location categories).

U+A scoring is simple. It allows rovers to use the same summary sheet as all other competitors. It is fair and progressive because scores tend to accumulate for rovers in the same way that they do for other competitors. Finally, U+A scoring discourages grid circling in the same way that the 1995 rules do.

Possible Revised Wording

Scoring:

Rovers only: Multiply total QSO points from all grids by the sum of activated grids and unique band- grids*. (A unique band- grid is a grid square worked on one band from any grid square; in other words, if you work EM00 on 50 MHz from one grid, you may not count EM00 on 50 MHz again for multiplier credit. Each grid worked counts only once per band, just as in the fixed- location categories.) Exception: Rovers activating fewer than five grids, multiply total QSO points by only the sum of unique band- grids. See examples below.

Scoring Examples

Rover KB3PW activates 10 grid squares, with a total of 550 QSO points and 55 unique grid squares.
Score = $550 \times (55 + 10) = 35,750$.

Rover VE3YZX activates 4 grid squares, with a total of 420 QSO points and 30 unique grid squares.
Score = $420 \times 30 = 12,600$.

The proposed rules add an element of strategy during band openings by causing Rovers to balance the benefits of staying put in a grid when conditions are enhanced. If the bands remain open, the Rover is well served to move on to another grid, where a new set of contacts can be made into the same area. But if the opening suddenly ends while the Rover is in transit, the move may result in a significant loss of QSO points and multipliers.

One perceived drawback of this proposal is the apparent lack of incentive to work the same grids over and over again at each Rover stop. At first blush, this seems to be a disadvantage-- Rovers have less encouragement to dig for the weak ones when they're not new multipliers. However, since operating in any category of the VHF contests is basically a matter of making every QSO you can, the proposed scoring change doesn't affect a Rover's strategy when it comes to digging for tough contacts. In fact, it emphasizes a high number of QSO points more than the current rules.

* The CAC would like you to also consider the possibility of adding an additional multiplier for each BAND activated, as a possible incentive to carry more bands through all of the grids visited. This is something we really need input on. As it stands we can go either way.

J.P. Kleinhaus, AA2DU. ARRL CAC Hudson Div. Rep. E-mail: aa2du@netcom.comCompuServe: 74660,2606

VISITORS AT THE MAY MEETING

WA3U, Dave Dabell, Newark, Del.
K3CQZ, Ben Brown, Philadelphia, Pa.
N3TPM, Craig Leventhal, North Wales, Pa.
KA3AIS, Bill Pileggi, Abington, Pa.

Health and Welfare

Dolly Kilgore, xyl of Joe, W2EIF recently passed away.

SWAP SHOP

(send all ads to the editor)

FOR SALE: 1296 Power Amps, 250 watts to 750 watts, 2, 4, and 6 tube cavities using water cooled 7289, 8907 or single tube cavities using TH308, 328, 338 or water cooled Y730. Call or write to Tom Dinyovszky, KB2AH, 405 Union Lane, Brielle, NJ, 08730, 908-223-5067.

FOR SALE: ARCOS 2 METER KW AMP, modified using two new Svetlana 4CX400's, 6 W in - 750W out, with power supply. Asking \$650 or will consider trade for 2304 or 10 GHz gear. Two good used 8930's, \$40.00 each. Contact Ron Klimas WZ1V, 203-589-0528.

FOR SALE: Gel Cell Batteries, 12 volt, 57 Amp Hour. Removed from equipment, excellent condition, \$20.00 each. Contact: Bob, W3GXB at 610-346-8698.

FOR SALE: Ten-Tec 229A Antenna Tuner, 2 KW, mint condition, \$150.00, AEA PK232 with manual, \$150.00. Call Ron, KB3QM at 1-302-875-5257.

WANTED: Button Hook feed for a small dish using WR90 or WR75 Waveguide. Contact Ed Barbacow, K3ZCT, FM09AV at 412-966-7934.

TID BITS

WANTED: Skeds on 1296 MHz with Vermont, New Hampshire and Maine. Contact Rick, KB3PD, Newark Delaware, FM29dq at 302-737-7966 between 1900-0200 UTC Mon. thru Fri. or 1200-0200 UTC on weekends. Running 4X45 el. loopers at 45 ft. with 125 watts at the antenna. Preamp at the antennas.

For those considering the Brendan Trophy for the first transatlantic contact between Europe and North America, Emil, W3EP, has a list of 144 and 222 MHz beacons on the NA side and 70 and 144 MHz beacons on the EU side in his column on page 93 of the August issue of QST. TV frequencies and a map are also included. The table of video frequencies in the World Above 50 MHz (page 94) has some errors. Here are the corrections:

European TV Ch 4 video should be 62.25 [not 62.75]. American TV Ch 2 is correct, but all the others are wrong. To get the correct frequencies, subtract 5.5 MHz from each. Thus Ch 3 should be 61.25 MHz and so on down the list. Please pass this info along to any who may be interested, as the correction will not likely run in QST until October. de Emil, W3EP.

Good-by and Farewell

Around this time of the year we usually have to say good-by to a few rats that are off doing other things. Dues are due Jan 1 at the start of each year, so after many notices and phone calls, we have to list the following as ex-rats: Dave, WD5BRP, Charlie, K3HSS, BB, W2HX and Ken N3PER.

CHEESEBITS SUBSCRIPTIONS

Cheesebits subscriptions are available to everyone interested in activities and information from the VHF through the microwave frequencies. Subscriptions are for 1 year of 12 issues. For a subscription, send the following information:

Name: _____ Call: _____

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August 1995

Send to: SUBSCRIPTION/ADVERTISING MANAGER:

Bob Fischer, WB2YEH

7258 Walnut Avenue

Pennsauken, NJ 08110

19th ANNUAL MIDATLANTIC VHF CONFERENCE

Preliminary SPEAKERS AND CALL FOR PAPERS

The Mid Atlantic States VHF Conference will again be held at the Horsham Days Inn in Horsham, Pa., just north of Philadelphia. This years conference will be held on Saturday, September 30, 1995. Sponsored by the Mt. Airy VHF Radio Club, the conference continues to present a wide variety of technical papers covering all aspects of 50 MHz through light frequencies. Talks on operating, propagation, construction and theory are among those requested. Speakers are encouraged to contact the conference chairman early. The preliminary list of speakers (not all confirmed yet) include the following:

Tom Dinyovszky, KB2AH, Big Bruiser 1296 Amplifiers
Al Katz, K2UYH, Impedance Matching - Fact and Fallacies
Dave Wood, WB4KPD, Spread Spectrum Communications
TBD, Time Wave Technology DSP Audio Filters

Paul Such, N6TX will be the banquet speaker with the topic being "Searching for Life Among the Stars"

THE 1995 MID-ATLANTIC STATES VHF CONFERENCE

AND BANQUET

Sponsored by the Mt. Airy VHF Radio Club

Saturday, September 30, 1995 - 08:30 to 21:00
Horsham Days Inn, 245 Easton Road
Horsham, PA 19044 (215) 674-2500
Pennsylvania Turnpike, Willow Grove Exit #27
Take Route 611 North one half mile

REGISTER: \$TBD at the door. Admission ticket for "Hamarama" is included.

ROOMS: Toll Free Reservations (800) 325-2525
\$ Later plus 8% tax. Group rates will be guaranteed until 9/16/94.
Mention "Pack Rats", or "Hamarama" to receive group rates.

LUNCH: OTTO'S BRAUHAUS - Lunches from \$5.95

DINNER: OTTO'S BRAUHAUS - Dinners from \$9.95

OTHER ACTIVITIES: 30 minutes to downtown Philadelphia (Turnpike to 476 or Route 611)
Convenient to Willow Grove Park Mall, King of Prussia Mall, New Hope.

OTHER MOTELS: Holiday Inn Trevoise, PA (215) 364-2000
(no group rate) Marriott Willow Grove, PA (215) 830-0550
Hampton Inn Willow Grove, PA (215) 659-3535
Fiesta Inn Willow Grove, PA (215) 659-9300
Warrington Inn Warrington, PA (215) 343-0373

FOR MORE INFORMATION:

John Sorter, KB3XG, Conference Chairman
1214 N. Trooper Road
Norristown, PA 19403
610-584-2489

VHF+ PROPAGATION & ACTIVITY REPORT- July 1995

By Jerome Byrd, K3GNC

The end of June and July will go on record as being one of great VHF+ periods. There were day and night opportunities for DX on all bands through 10 GHz! I caught a few and missed a few. I hope you did well!?

<u>Date</u>	<u>Band</u>	<u>Comments</u>
	144 MHz	Duct to Nova Scotia. VE1KG, VE1MR, VE1DO were coning in strong to coastal stations.
6-27-95	50 MHz	Wide open to Europe during the day, and wide open to the West Coast at night.

6-28-95 to 6-30-95	144 MHz and UP	Three day coastal to New England and Nova Scotia! AA2UK and WA3AXV worked WA1MBA (FN32), N1BWT (FN42) on 10 GHz. WA2AXV also worked W1RIL (FN42). Everyone around worked N1DRY (FN32) on 144 and 432. Mark, WB2JHG, made his first contact on 22 meaningful by working WA1HYN in FN41. AA2UK worked VE1DLB (FN73) and VE1KG (FN84). I (W3GNC) worked KA1OTP (FN41), WA1YHN (FN41) and AA2DR (FN30) on 1296 with 1 watt. This is only a partial listing of the action!!
7-1-95	50 MHz 144 MHz	Wide open to the Caribbean and northern South America!! Brief E skip to EM32 and EL29 and ?
7-2-95	144 and 432	KA2AYU worked stations in EM66, EM75, EM76, and EM78.
7-3-95	50 MHz	Double hop to the West coast, North Africa, and Northern South America at the same time!!! i worked NV and CA to the west, HH7PV to the south and heard CT3's to the east.
7-5-95	50 MHz	Double hop to the West coast.
7-6-95	144 MHz and up	AA2UK worked VE1ZJ (FN95) on 144 and VE1HD (FN96) on 144 and 432.
7-9-95	144 MHz	E Skip to Florida
7-14-95	144 MHz and Up	Late night tropo to 8 and 9 land. AA2UK worked 13 stations including EN41.
7-18-95	144 MHz	E skip to 4 and 5 land.
7-19-95	144 MHz	E skip to Cuba!! WZ1V and W4MYA were two of the known lucky stations.
Unknown at press time	1296 MHz	AA2UK and WZ1V worked VY2KX (FN84) on 1296 MHz. VY2KX was using 10 watts to a 432 beam.

Beacons, FM/TV stations are not always reliable indicators. The only way you can be sure of working the "good stuff" is to be more active!!!

Please let me know about any openings, nets, propagation, etc.

CU on the Bands, Jerome Bryd, 1530 Locust Street, #20, Philadelphia, PA, 19102, (215) 226-1418.

1995 VE3ONT EME Schedule>

By: Dennis Mungham, VE3ASO, June 26/95

Again in '95 the Toronto VHF Society, VE3ONT, will be active from the 46m (150') dish in Algonquin Park. Our purpose is to promote EME communications for all radio amateurs and especially small stations and OSCAR class users.

<u>UTC Date</u>	<u>UTC Start</u>	<u>UTC End</u>	<u>TX Frequency</u>	<u>RX Frequencies</u>
Aug. 19	1200 note 1	1836	10,368.100 MHz	10,368.100 MHz
Aug. 20	0615	1925	10,368.100	10,368.100
Oct. 7	0000 note 2	0907	144.100	144.100-144.110
Oct. 7-8	2306	1013	50.100	50.100-50.105
Oct. 7-8	2306	1013	1296.050	1296.050-1296.060
Nov. 4	0000 note 2	0804	432.050	432.050-432.060
Nov. 4-5	2137	0907	144.100	144.100-144.110

Notes:

1. From rise to 1200 VE3ONT will be active mapping the moon on 10 GHz looking for "hot spots" that return improved signal strength or frequency/time dispersion. Please do not call us during this period. When ready for QSO's we will call CQ
2. 0000 is the ARRL EME contest start time. VE3ONT will be QRV prior to 0000 for testing and random QSOs
3. Times in the above table reflect a dish elevation limit of 9 degrees in FN05xw.
4. Use of the Algonquin dish is always subject to last minute cancellation for radio astronomy observations. There are no conflicts at the present time (June 26).
5. 10 GHz and 50 MHz operation will use horizontal polarization, 144 and 432 will use RHCP on TX and RX. 1296 will normally be RHCP TX and Rx but can be switched to accommodate LHCP.
6. To maximize your probability of making a QSO, please select a random frequency in our receive window. Be patient
7. QSLs to Dennis Mungham, VE3ASO, RR #3, Mountain Ontario, CANADA, K0E 1S0
8. VE3ONT is always happy to receive comments and suggestion from EME'ers regarding past or future operations.

PACKRAT FAMILY PICNIC

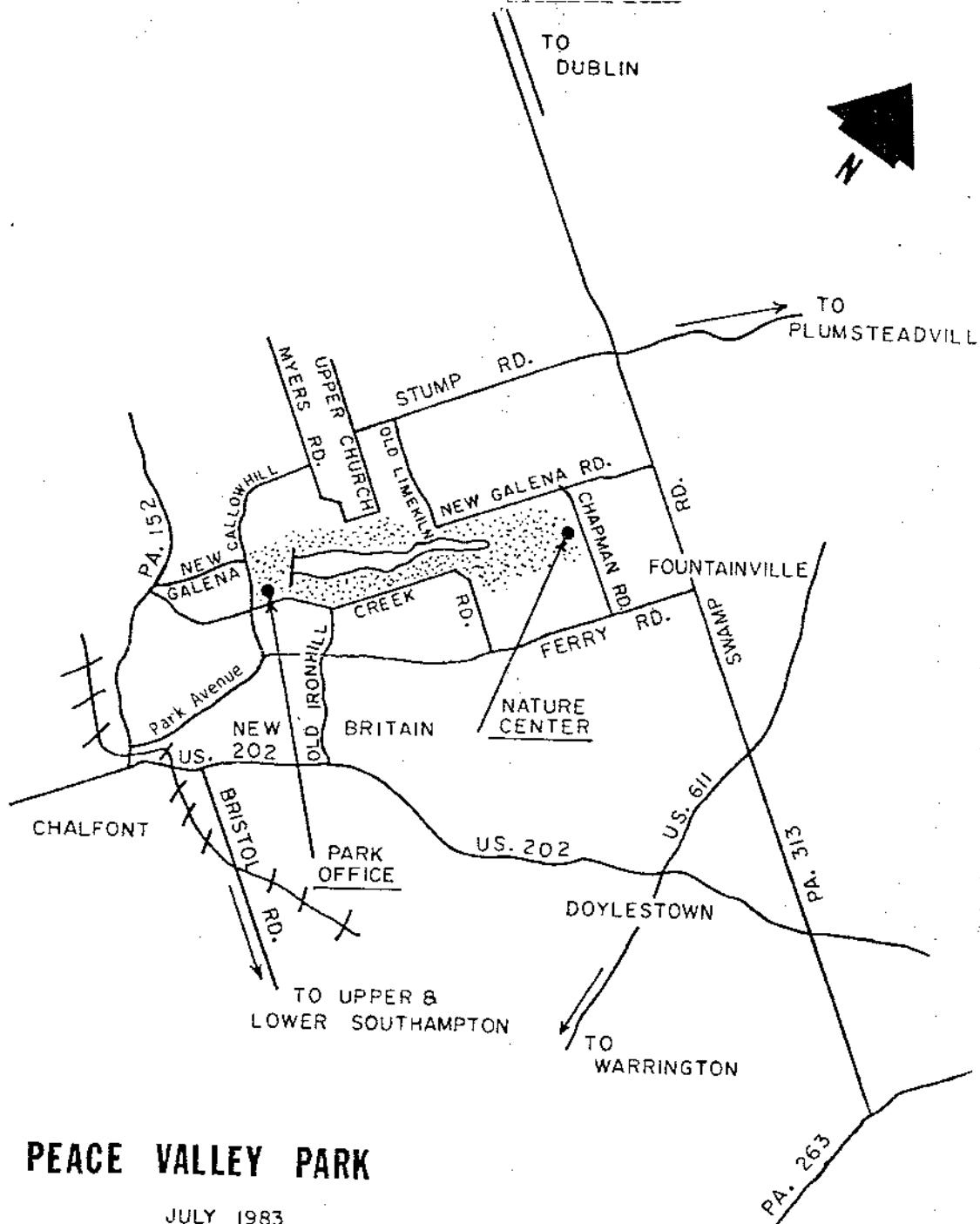
ALL PACKRATS AND THEIR FRIENDS ARE INVITED

LOCATION: PEACE VALLEY PARK
230 CREEK ROAD, DOYLESTOWN, PA.

TIME: 1 PM

CLUB SUPPLIES HAMBURGERS, HOT DOGS, SODA, AND CORN ON THE COB

CALL AL BOBLITT AT (215) -742-3312 WITH THE NUMBER IN YOUR GROUP AND WHAT ITEM(S) YOU PLAN



PEACE VALLEY PARK

JULY 1983

-Aug. 1995 Packrats Cheesebits Pg. 9-



**21ST EASTERN VHF - UHF CONFERENCE
AUGUST 25, 26, 27, 1995
QUALITY INN & CONFERENCE CENTER
51 HARTFORD TURNPIKE RT. 83
VERNON, CT 06066**

- 8/25/95 Friday - LODGING
1600 'til HOSPITALITY ROOM
- 8/26/95 Saturday - REGISTRATION, FORMAL TALKS & VHF-SHF BANDSESSIONS
0800 Registration begins adjacent to the Hospitality Room
0840 TALKS BEGIN featuring Ken Neubeck WB2AMU "6M Propagation", Steve Powlshen K1FO "So You Want to Manufacture Ham Gear?", Frank Potts NC1I "Serious EME Mount", Steve Kostro N2CEI "Better Construction Techniques", Tom Williams WA1MBA "10 GHz In New England", Mark Hoffman KA2RDO & Russ Healy NJ2L "Operating from N2WK", Bandsessions w/ N2MSS, W1AIM, AA2UK, W3ZZ, WA8WZG, N1BWT, more !
1600 PREAMP NOISE FIGURE MEASUREMENT (bring your preamps 50 MHz-10GHz.)
1900 BANQUET (7 pm - 8:30 pm)
2030 VHF - MICROWAVE TRIVIA QUIZ
2100 DOOR PRIZE DRAWINGS EXTRAVAGANZA
- 8/27/95 Sunday - VHF-SHF SWAP MEET AND ANTENNA MEASURING STARTING AT 8 AM.

EACH REGULAR REGISTRANT RECEIVES A COPY OF THE PROCEEDINGS.
YOU NEED NOT ATTEND THE BANQUET TO ATTEND THE PRIZE DRAWINGS.
ALTERNATIVE DINING IS AVAILABLE CLOSE-BY.
OVERNIGHT RATES WHEN YOU MENTION THE EASTERN VHF/UHF SOCIETY ARE:
SINGLE: \$51.50 DOUBLES: \$51.50 CALL LORI TORIZER AT (800)-235-4667.
THIS INCLUDES USE OF FACILITIES (SWIMMING / ETC.) & A CONTINENTAL BREAKFAST.
A SHOPPING CENTER, \$2 MOVIE THEATRE, & AMUSEMENT AREA IS ON-SITE.

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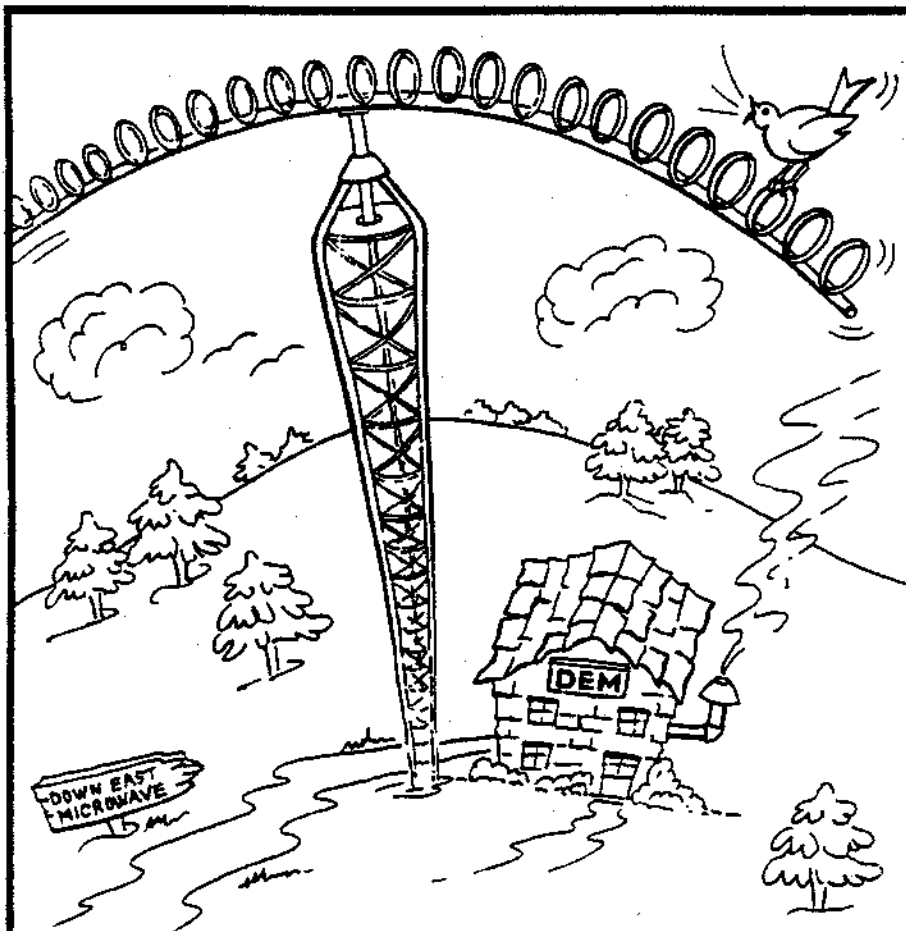


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