

PACK RATS'

SCANNED TO PDF BY BERT, K3IUV



PACK RATS

CLUB CALL: W3CCX

CHEESE BITS



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, 1987

NUMBER 8

THE PREZ SEZ

The July meeting and White Elephant Sale at Zimmerman's Glen (W3ZD's) was a real BLAST! Anyone who wasn't there missed a great chance to socialize a bit while picking up on some real bargains.

The August meeting will be at Dave Hackford's (N3CX) - Hackford's Haven - Home of the Beacons. Swimming, Picnicing and Socializing -- Come one, come all, bring chairs!

Also, Hamarama is coming up soon and Pat, WB3DNI, is going to be looking for volunteers. This is one of the Club's big activities and it takes all our help to make it as big a success this year as in year's past. So let's all pitch in.

Lastly, the August UHF Contest is coming up. This is a chance for the Pack Rats to get on and get everything checked out and ready for January. Especially since the weather's nice enough to make any needed antenna work a little easier.

73
 Bob, N3SB

* * *

WE ARE SADDENED TO REPORT THAT WA2MGV, GENE BOND, SR. BECAME A SILENT KEY ON JULY 9, 1987. OUR CONDOLENCES TO CHARLOTTE; TO GENE BOND, JR., WB2UVB, AND JANICE, KA2CQX.

Pack Rats CHEESE BITS is a publication of
THE MT. AIRY VHF RADIO CLUB, INC.
Philadelphia, Pa. and is published monthly.

SUBSCRIPTION RATE - \$5.00 PER YEAR

We operate on an exchange basis with other
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 Ave.
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 THE 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

<u>MONDAY NIGHT NETS</u>	<u>NET CONTROL</u>
7:30 PM - 50.125 MHz	W3CL
8:00 PM - 144.150 MHz	W2EIF
8:30 PM - 222.98/224.58	K3GAS
8:30 PM - 220.125 MHz	KS2T/WB2NPE
9:00 PM - 432.110 MHz	WA2OMY/K1PXE
9:30 PM - 1296.1 MHz	N3CX/WA3JUF/WA3NUF

PAVK RAT REPEATER 222.98/224.58 MHz -W3CCX
LOCATED IN CHURCHVILLE, PA.

OFFICERS: 1987 - 1988

PRESIDENT: N2SB, BOB COOK
VICE-PRES: N3CX, DAVE HACKFORD
COR. SECY: W3CXU, JOHN ALLEN
REC. SECY: WA3AQA, WALT ZUMBACH
TREASURER: K3GAS, DOC CUTLER
DIRECTORS:

WA2OMY, GARY HITCHNER (EX OFF)
WB3JYO, PAUL DREXLER (2 Yrs)
WB2NPE, RICK CONNOR (2 Yrs)
WB3DNI, PAT CAWTHORNE (1 Yr)
WB2VLA, DAVE POWER (1 Yr)

VHF CONFERENCE CHAIRMAN:

WA2OMY, GARY HITCHNER
215-539-6409

HAMARAMA CHAIRMAN:

WB3DNI, PAT CAWTHORNE
215-672-5289



THE AMERICAN RADIO RELAY LEAGUE

OST

HUGH A. TURNBULL, W3ABC

Director, Atlantic Division

6903 RHODE ISLAND AVE.
COLLEGE PARK, MD. 20740

(301) 927-1797

1-302-478-2757

AMATEUR
and
ADVANCED
COMMUNICATIONS

"Gisele"
K3WAJ

G. B. WALLS

3208 CONCORD PIKE (RT. 202)
WILMINGTON, DEL. 19803



Pennsylvania Institute
of Technology
ENGINEERING

PAUL D. MERCADO

Chairperson, Drafting Design Department

215-565-7900

Rose Valley-Notre Dame Campus
800 Manchester Ave., Media, Pa. 19063-4098

CALENDAR OF COMING EVENTS
By Harry Brown, W3IIT

AUGUST

- 1-2 ARRL UHF Contest. See July QST Page 79 for details. Picnic grounds. Talk-in on .52 or local repeaters. Info: Dave, KC3MG, 717-939-4957.
- 1-3 SWOT open QSO Party. Contest: K5IS for details.
- 6 VE Exam to be held at the Church of Christ in Levittown. Call Dave Heller at 736-3333 for details.
- 8 EME Perigee.
- 9 Mid-Atlantic ARC Hamfest will be held at the Bucks County Drive-In in Warrington, Pa. Talk-in on 147.66/.06 and 146.52.
- 12 Predicted peak of the Perseids meteor shower at 1300 UTC.
- 13 Pack Rat Board of Directors meeting will be held at the QTH of WA3YUE at 8 P.M. All interested parties are invited. For directions call Bruce on 215-947-4166.
- 15 Pack Rat Annual August Outdoor Meeting and Picnic will be held that afternoon at the QTH of Dave, N3CX. Bring your wife, friends, children and bathing suit. Call 215-679-7293 for directions. BRING CHAIRS!!
- 15 Mid-Atlantic ARC VE Day will be held on Sat. at the Bryn Mawr Presbyterian Church, Montgomery Avenue and Fishers Rd. Call Bob, W3SA at 293-1919 for details.
- 16 Delmarva Hamfest at the Delaware Tech Community College on Rte. 18, just one quarter mile west of the intersection of US 113 and Del. Rte. 18 at Georgetown. Talk-in on 147.075.
- 22 Ramapo Mountain ARC 11th Annual Hamfest at Oakland American Legion Hall, 65 Oak St., in Oakland, N.J. Talk-in on 147.49, 146.49, and .52.
- 30 Gloucester County ARC Hamfest at Mullica Hill. Includes VE Testing. Talk-in on 147-78/.18 and 146.52.

* * *

THE W3CCX/8 (FMØ8) SPRUCE KNOB RESULTS

<u>QSOs</u> <u>(minus duplicates)</u>	<u>QSO Points</u>	<u>Grid Sq.</u> <u>Multiplier</u>	<u>Claimed Score</u>	
50 Mhz (1 pt. ea.)	511	201	102,711	50 Mhz
144 MHz (1 pt. ea.)	365	69	25,185	144 Mhz
220 Mhz (2 pts. ea.)	92	42	7,728	120 Mhz
432 Mhz (2 pts. ea.)	154	55	16,940	432 Mhz
903 Mhz (4 pts. ea.)	7	9	189	903 Mhz
1296 Mhz (4 pts. ea.)	28	18	1512	1296 Mhz
2304 Mhz (8 pts. ea.)	6	5	120	2304 Mhz
3,4+5.7 (8 pts. ea.)	4	4	164	3,4/5.7 Ghz
10+24 Ghz (8 pts. ea.)	5	3	60	10/24 Ghz
TOTAL	1172	406	622,398	TOTAL ALL BANDS

THE 221.4 MHZ PACK-RAT NET 30 YEARS AGO.

The following stations checked in on our net on Monday Nites some with an R48 receiver and a World War II beacon transmitter modified. This was an AM net - Back in the good old days!!

K3ACR	W3FXB	K3KVS
K3ADS	W3GLI	W3KXH
W3AJF	W3HFY	K3LBT
W2AOC	K3HIX	W3MFY
W2AXU	W3HKZ	W3MVF
W3AYG	K3HNS	K3NCN
W2BAY	W2HQL	W3NSI
K3BMP	K3HSS	K3OBY
K3BPP	K3HWZ	W3SAO
W3CGV	W2HX	W2SEU
W3CFS	W3HYJ	K2SEU
W3CL	W3IUR	K2SMZ
W3CZI	K3IUV	W3TAM
K3DLS	K3JJZ	K2TYW
W2EIF	W3JSD	W3UJG
W3FOZ	W2KFC	
W3FTU	W3KKN	

* * *

TID BITS

Sunspot No. for June 1987 = 17.5. Smoothed No. for December 1986 = 16.2.

Bill Murphy, WØRSJ was presented with the plaque for "The Most Improved Station" of the January 1987 VHF SS at the July meeting.

The Warminster ARC received FB P.R. in an excellent write-up in the July 2, 1987 edition of "Neighbors" of the Philadelphia Inquirer for their Field Day operation.

The 6 meter band has continued to have excellent openings to "G" land and across the U.S. and Canada. K3LOM reports XE1LL, Mexico City working 1's on July 12, 1987.

The Pack-Rats are scheduled to assist in operating "We the People 200" station at 6th and Race Sts. in Phila. on August 8, 1987. Are there any volunteers?

John Tate, K3KTY came up from Florida for a week and came to the White Elephant Sale on July 16, 1987. It was a pleasure to see you, John.

KA3B, Harry Schools operated from AC3T during the June Contest. He missed 15 hours of Contest time but managed 400 QSO's and 161 grids on 6 meters, including 47 States and 5 Provinces. He provided State #50 (Delaware) for 3 operators and #49 for many others. Good show, Harry.

Jay, KS2T is off the air on the low end of 220 Mhz. Rick, WB2NPE is taking over as net control. Jay may assist on the 6 meter net in the near future.

K3LOM worked GW3XJQ in Wales on July 18, 1987.

* * *

VISITORS - JULY 16, 1987 MEETING

WA3IAC - Chuck Steer, Phila., Pa.

N2CYM - Sue Whelan, E. Brunswick, N.J.

BA8Y - Steve Whelan, E. Brunswick, N.J.

KA3AIS - Bill Pileggi, Abington, Pa.

K3CQZ - Ben Brown, Phila., Pa.

KAILOU/DAILN - David Bail, Hanau, Germany

Joshua Bail, Hanau, Germany

KB2BF - Fred Munzenmayer, Grenloch, N.J.

N3FNS - Don Brusck, Newtown, Pa.

Dan Cunningham, Hilltown, Pa.

W3NHX - Lou Elliott, Feasterville, Pa.

WA3GHM - Gerd Meigel, Levittown, Pa.

W3AEH - Al Lipkin, Phila., Pa.

Gary Bleiweiss, Bensalem, Pa.

SWAP SHOP

FOR SALE: 1296 GaasFET preamp MGF 1302
Min. 16DB Gain, N.F. 1DB or less. Die-cast
box. \$60.

CONTACT: Ron, KB3QM
Phone: 302-875-7373
7:30 AM or evening.

FOR SALE: Table top stereo; small
and large electrolytic caps; tubes;
parts; resistors, xfmrs and chokes.

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

FOR SALE: Icom-IC471A - 430 Mhz
all modes, 6 mo. old (mint) \$550;
Icom-IC271A - 144Mhz, all modes - new
11/86 (mint \$550; KDK 2015 - 2 Mtr.
FM synthesized \$170; Icom IC3200A
dual band mobile \$399; Tentec Omnid
series B - Pwr/suply - VFO \$550;
Collins 75A4 rcvr w/3 filters &
spinner knob - late SN -5700 \$450.

CONTACT: Tony Musero-K3UKW
1609 S. Iseminger St.
Phila., Pa. 19148
Phone: 215-271-8898

WANTED: General coverage solid state
receiver.

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

* * *

A REQUEST FROM HARRY SCHOOLS, KA3B

I am presently gathering material concerning 6 meters for a possible book that I am planning to author. I plan on covering all aspects of 6 meter operations and a look at the history of the band as well. Needed by me are photographs involving 6 meters such as antenna systems, beacon stations and DXpeditions.

Also, I am in need of any written material relating to 6 meters such as old bulletins and newsletters (even if defunct) as a chronology of events is planned. Any material such as promotional fliers for equipment of past years would be helpful as well. If there is anyone who can provide me with any of the above, it would be greatly appreciated.

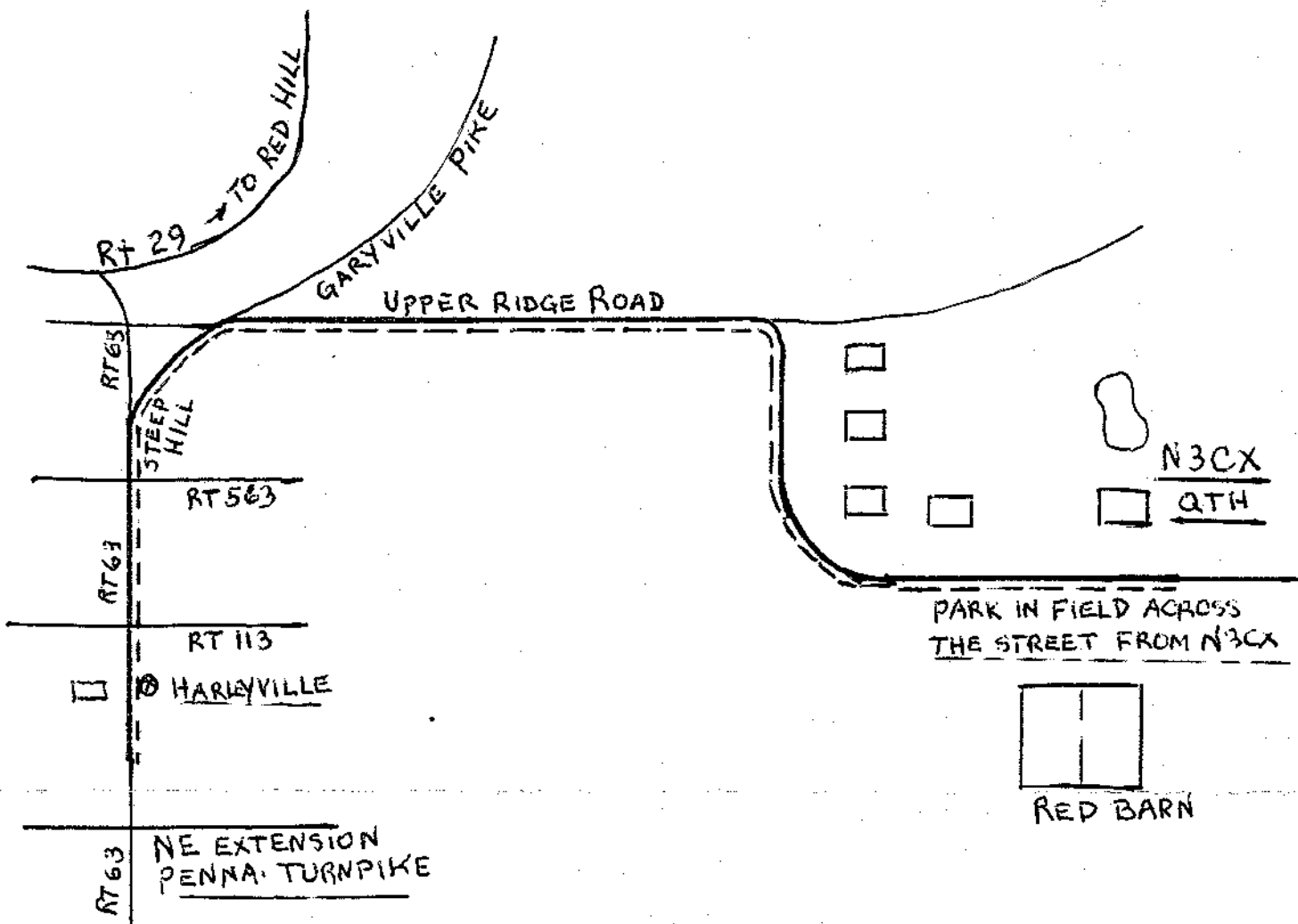
* * *

VOTED TO MEMBERSHIP JULY 16, 1987

WA3IAC - Charles Steer (Chuck) XYL - IDA
7148 Montague Street
Phila., Pa. 19135
215-335-0637

VOTED TO RETIRED STATUS 7/16/87

WB3CPW - Charles Cloud, Jr.
RR #2 Box 41T
Greentown, Pa. 18426



MEMBERS AND FAMILIES ARE INVITED TO ARRIVE EARLY AFTERNOON AT THE N3CX QTH.

AN 18 X 36 FT. SWIMMING POOL (9 ft. deep end) - BRING SWIM SUITS.

A BARBECUE IS PLANNED AT ABOUT 5 P.M. WITH THE CLUB PROVIDING HOT DOGS AND HAMBUEGERS PLUS SODA, BEER, ETC.

PLEASE CALL DAVE OR SYLVIA HACKFORD BY AUGUST 8TH TO LET THEM KNOW HOW MANY IN YOUR FAMILY ARE COMING. CHILDREN ARE WELCOME. NO PETS PLEASE.

PHONE: 215-679-7293. COME OUT AND HAVE A FUN DAY!

DOWN EAST MICROWAVE

MICROWAVE ANTENNAS AND COMPONENTS

BILL OLSON
W3HQT

Box 1655A, RFD 1
Burnham, ME 04922
(207) 948-3741

73 Amateur Radio's Technical Journal

PO BOX 931
FARMINGDALE, NY 11737

\$25 one year \$53 three years

NE 7-8329

GEORGE S. VAN DYKE, JR., P.E.
CONSULTING ENGINEER

W3HK

4607 CONVENT LANE
PHILA., PA. 19114



AMIL S. GUMULA
PRESIDENT

A. G. RADIO PARTS CO.
939 TOWNSHIP LINE RD.
ELKING PARK, PENNA. 19117
TELEPHONE: 215 - 886-5100

RCA Authorized Distributor

(302) 328-7728
ORDER LINE 800-441-7008



Delaware Amateur Supply
"AMATEUR SALES AND SERVICE"

PAUL WA3QPX
KATHY KA3IYO

71 MEADOW ROAD
NEW CASTLE, DELAWARE 19720

AMATEUR SALES & SERVICE

(215) OL 9-5900

"HAM" BUERGER INC.
Communication Specialists

BOB HERSHMAN
WA3ZID

68 N. YORK RD.
WILLOW GROVE, PA. 19090

215-342-5982

WA3HIT

Paul and Betty Rilling
INCOME DIVERSIFICATION

5830 Weymouth Street -Phila., Pa.19120

The Ham Radio Publishing Group



Greenville, NH 03048 (603) 878-1441

HAM RADIO - the Technical Ham's Magazine. Ask for a free sample copy or our Book Catalog.

CALL DOC CUTLER (K3GAS)
FOR YOUR ELECTRONIC NEEDS

NEW, RECONDITIONED, OR AS IS.

LOW PRICES

by appointment 215-635-1078

GARL BARISH

PRINTECH PRINTING

13620 NE 20th Suite D
Box 4247
Bellevue, WA 98009
746-6000



NESHAMINY TRAVEL SERVICE

Harriet Soltoff
Home: (215) 947-4483

xy1 K3IUV

2337 Neshaminy Blvd.
Bensalem, PA 19020

BROWSING - THURS. 7^{PM}-9^{PM}
SAT. 9^{AM}-4^{PM}

Day-Nite (215) 455-2121

FERTIK'S ELECTRONICS

Components & Equipment

LEON FERTIK

5400 ERLA STREET
PHILADELPHIA, PA. 19120

Tonna Antennas
Microwave Modules
IVARS LAUZUMS
52 Stonewyck Drive
Belle Mead, New Jersey 08502
(201) 874-6013

THE "PX" SHACK

KC2PX

VHF/UHF EQUIPMENT



EASTSIDE SURPLUS SALES

12894 NE 15th PLACE
BELLEVUE, WA 98005

(206) 453-0795

Carl Barish
KC7ZC

A CANDY STORE OF PARTS FOR THE EXPERIMENTER.

(302) 328-7728
ORDER LINE 800-441-7008



Delaware Amateur Supply
"AMATEUR SALES AND SERVICE"

ROB WA3QLS
GAIL KA3ITN

71 MEADOW ROAD
NEW CASTLE, DELAWARE 19720

(215) 745-6173
(302) 575-4142
(215) 342-8832



COMPU-SIMPLE
COMPUTER APPLICATIONS FOR SMALL BUSINESS

ELLIOTT T. WEISMAN
Consultant

P.O. BOX 7161
WILMINGTON, DELAWARE 19803



Jenkintown & Glenside Electric Co.

220 YORK ROAD
JENKINTOWN, PA.
Turner 4-0375 - 4-1050
WA 7-4325



JUDGE INC.

HOWARD WEINSTEIN
K3HW
Dod Tech Recruiter

THE EXECUTIVE MEWS
SUITE G-37
1930 E. MARLTON PIKE
CHERRY HILL, NJ 08003
609-424-8600

"HAM" BUEGER, INC.
 Electronic Equipment Distributor
 "Right in the middle of a lot of good company!"
 68 N. YORK ROAD
 WILLOW GROVE, PA 19090
 215-659-5900
 Service Since 1956

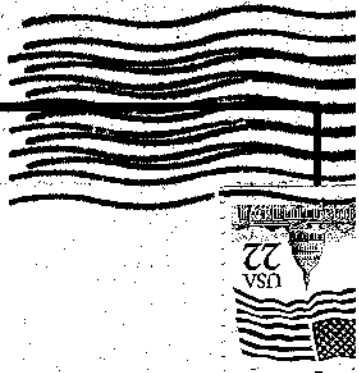
If we're
 judged by the
 company we
 keep, we should
 do pretty well!

CODE OF ETHICS
 SOLELY
 HONESTY

TELEX
 SPRAGUE
 THE MARK OF RELIABILITY
 AMPHENOL
 Xcelite
 Wilson Electronics Corp.

CUSHCROFT
 TAB BOOKS
 TRW
 NPG
 SOUTH RIVER
 BRONCOT
 HAM-KEY
 "W2AU"
 LOREN ANTENNAS
 ASIATIC
 MILLER
 SEXTON
 ICOM
 CES
 GILFILL
 LMB
 TPL
 WELLS
 WILDOM
 MISCOS
 HUSTLER
 PHILIPS
 DODGE
 AMECO
 SWAN
 COVER-CRAFT
 AMP SPECIAL INDUSTRIES
 BOMAR
 TCI
 SW
 E

Cheese Bits
 2087 Parkdale Ave.
 Glenside, Pa. 19038



MEETING NOTICE

MT. AIRY
 VHF
 RADIO
 CLUB,
 INC.

PACK RATS

W3FQD
 DICK HUNTZINGER
 130 FAIRHILL DR.
 CHURCHVILLE, PA. 18966

FIRST CLASS