

PACK RATS



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

CHEESE BITS



MT. AIRY VHF RADIO CLUB, INC., PHILADELPHIA, PA. ARNS
 50.2, 145.2, 432.03, 1296.03, Repeater, WR3ACD - 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 18966

VOLUME XIX

NOVEMBER, 1977

NUMBER 11

THE PREZ SEZ

Elsewhere in this issue you will find a complete report on "Pack Rat" Hamarama 77. It was indeed a huge success. A very big thank you to all who contributed their time and efforts to the smoothly run flea market on Sunday and the highly informative VHF conference on Saturday. A special thanks and congratulations for a superlative weekend to our Hamarama Chairman, Ron, WA3AXV and to Dave, W3ZD who hosted the conference. Our Pack Rat treasury is once again capable of finding those club activities we all enjoy so much.

Your attention is now directed to our January 1978 VHF Sweepstakes. Contest Chairman WA3NFV, Danny or as our South American friends know him "flaco Daniel Barbarosa". Danny has organized a fine team of coordinators who are hatching plans now for the January Contest. There is still time to get those new antennas up before the snow flies. Contact your coordinator and arrange for an antenna raising party.

Because the January Contest will be held late in January under the new rules some changes will be made in the general meeting program schedule. The secret contest preparation meeting (closed to non-club members; the only closed meeting of the year) will be held in January. The annual Crying Towel Session will be in February, necessitating moving the annual home brew nite to December. This will have the bonus effect of giving the membership the opportunity of utilizing the good ideas gleaned from home-brew nite on their preparations for the January Contest. Enuff sed!!

73, Tony, W3HMU

Visitors - October 20, 1977 Meeting: Carmen DiCamillo, Phila., Pa.; Val Pistilli, Phila., Pa. John Prenis, Phila., Pa.; WA2ZZF, Paul Wade, Somerville, N.J.; W2HDC, Joe Mortimer, Tuckerton, N.J.; W2VSV, Frank, West Chester, Pa.; WA3ZXY, Bob, Norristown, Pa.; W3NWJ, Ed, Norristown, Pa.; WB3CPW, Charlie, Blue Bell, Pa.; WA3IWT, Rich, Feasterville, Pa.; WB3EFO, Ed Lee, Huntingdon Valley, Pa.; WB3HHO, Paul, Phila., Pa.; WB2UVB, Gene & XYL, Moorestown, N.J.
Change of Address:

K3IQO, Stanley Umin, 224 Park Avenue, Bristol, Pa. 19007. 215-788-4747

K3OPC, John Carson, 112 W. 17th Street, N. Wildwood, N.J. 08260

Club member contributors to this issue; WA3AXV - Letter to N6NB, HAMARAMA Weekend 77;
 W2EIF - VHF/UHF Report; W3HMU - The Prez Sez; WA3JUF - Remotely Operated Gain Control;
 K3MXM - Calendar of Coming Events; W3NSI - New Products.

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

Subscription Rate - \$1.50 per year.

We operate on an exchange basis with other publications. Anything that is printed in CHEESE BITS may be reprinted, unless otherwise stated, provided that proper credit is given

SWAP SHOP ITEMS - no charge.

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

EDITOR:

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

PUBLISHER/SUBSCRIPTION MANAGER:

K3GAS, Doc Cutler
7815 New Second Street
Elkins Park, Pa. 19117
215 - ME 5-1078

PRINTER:

K3IGX, Richard Boyle
7915 Bayard Street
Philadelphia, Pa. 19150
215 - 927-6471

PRINTERS DEVIL:

WA3FOF, Ralph Alexander

TYPIST:

WA3TEM, Marsha Lissauer

TRUSTEE OF CLUB CALLS: W3CCX-WR3ACD

WA3AXV, Ronald Whitsel
209 Frog Hollow Road
Churchville, Pa. 18966
215 - 355-5730

AWARDS CHAIRMAN:

W2EIF, Joseph Kilgore
#5 Sunnybrook Court
Stratford, N.J. 08084
609 - 783-9478

CLUB HISTORIAN:

W3CL, Harry B. Stein

OFFICERS: 1977 - 1978

PRESIDENT: W3HMU, Tony Souza
VICE-PRES: W3HQT, Bill Olson
COR. SECY: W3IIT, Harry Brown
REC. SECY: WA3NFV, Dan Mitten
TREASURER: K3GAS, Doc Cutler

DIRECTORS:

K3MXM, Lee A. Cohen (Ex-Officio)
K3MWV, Dick Pierce (2 years)
WB2SZK, Randy Bynum (2 years)
K3IGX, Dick Boyle (1 year)
K3JJZ, El Weisman (1 year)

MONDAY NIGHT NETS:

145.2 MHZ 7:30 PM
50.2 MHZ 8:30 PM
221.4/224.58 MHZ 9:00 PM
432.03 MHZ 9:30 PM
1296.3 MHZ 10:00 PM

NET CONTROL

W2EIF
W3CL
K3GAS
K3IUV
W2EIF

FRIDAY NIGHT ATV NET:

439.25 MHZ 7:00 PM

NET CONTROL

WA3AXV

PACK RAT REPEATER - WR3ACD - 222.98/224.58
Churchville, Pa.

215-674-0300



LAFAYETTE RADIO ELECTRONICS
"Associate Store"
531 Easton Road
Horsham, Pa. 19044



Paul Hamilton, Bruce Clark



PENNSYLVANIA
INSTITUTE OF TECHNOLOGY

PAUL D. MERCADO - W3FBF
FCC AMATEUR Instructor COMMERCIAL
LICENSE INSTRUCTION

(215) FL 2-7100
(215) IA 8-6998

414 SANSOM STREET
UPPER DARBY, PA. 19082

HIGH VOLTAGE
MUSIC FOR ALL OCCASIONS
PI 2 3525 PI 5 6785

CALENDAR OF COMING EVENTS

Syllabus by Lee, K3MXM

NOVEMBER

- 1 All Saints Day
- 5-6 ARRL CW Sweepstakes
- 8 Election Day, Your opportunity to register and show your thoughts and preferences for the candidates and present office holders. Don't pass this bye - VOTE - VOTE-
- 10 Board of Directors Meeting, QTH, K3MXM, Lee Cohen, 8242 Brookside Road, Elkins Park, Pa. Directors and interested parties always welcome and invited to attend. If lost, ME 5-4942.
- 11 Traditional Veteran's Day
- 13 R.F. Hill ARC - Winter Hamfest-I, National Guard Armory, Sellersville, Pa.
- 17 General Club Meeting, Southampton Free Library, Street Road, Southampton, Pa. 8:00 PM An interesting Speaker, The Mario Raffle, Frankies Silent Auction, Refreshments. An open meeting to one and all...
- 19-20 ARRL Phone Sweepstakes
- 22 President Kennedy Assassinated 1963. I think everyone remembers where and what they were doing this one day...
- 24 THANKSGIVING
- 26-27 CQ WW CW Contest
- 28 First U.S. Post Office opened 1783. Anyone still looking for lost mail...

* * *

We know that the party in the Hospitality Room of the recent VHF Conference was well into high gear when we overheard the following conversation. A local Ham - "Well, what shall we drink to." A well known, but shall remain nameless PACK RAT - "Excess of course"

* * *

The thoughts for Sunday Afternoon Transmitter Hunts during the winter months has been placed in a holding pattern. If you are interested contact Tony, W3HMU.

* * *

The VHF Contest has been moved ahead several weeks to the weekend of January 21 and 22, to avoid conflicts with TV and TVI on national football games.

The club programs have also been rearranged. The January Meeting (January 19th) will be our contest preparation and will be secret and closed to all but club members.

The December meeting will be Home Brew Nite.

* * *

OFFICIAL BULLETIN NR 672 FROM ARRL HEADQUARTERS NEWINGTON CT SEPTEMBER 29 1977 TO ALL RADIO AMATEURS BT: The Oscar Educational Bulletins will resume beginning October 1 on Oscar 7. On Mode A weekdays you will be able to hear the bulletins on the first 2 appropriate morning passes at 29.490 Mhz. Whenever Mode B falls on a Wednesday, listen for the educational bulletins at 145.950 Mhz on the first 2 appropriate morning passes. Amateurs giving an Oscar demonstration in their local schools are eligible to receive a complimentary copy of the 1977 ARRL Handbook. Just send ARRL a note of confirmation on the school letterhead from the teacher you assisted. When using Oscar, please remember to keep your effective radiated power down to the recommended 100 watts. Failure to do so will adversely affect normal operations for all. AR

Ralph Alexander, WA3FOF is conducting Amateur License Code and Theory Classes on Wednesday evenings for Novice; Thursday nights for General and Advanced at 7:30 PM. The courses will run for ten or twelve weeks and there are openings available. The classroom is located at 2600 Cheltenham Ave., Phila., Pa. For details and enrollment contact Ralph- 215-276-4185.

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn, W3NSI

1. Kenwood TS 700S: Big news this month is the new 2 meter rig from Kenwood. Actually, it is a reworked 700A. The two most obvious changes are the 7 digit readout above the main tuning and the absence of a skirt type knob on that control. A 1W/10W switch is added along with a receiver preamp. A sidetone monitor for CW is now built in as is semi-break-in CW operation. VOX, with the controls for gain and delay right on the front panel are now featured. Price \$679.00.

2. VHF Preamps: Lunar Electronics now has a line of receiving preamps designed by Chip Angle N6CA and known as the "Anglelinear" units. Models are available for 28 Mhz up to 450 Mhz with the two most interesting types being the 220 unit (#222) with a noise figure of 2 Db and gain of 11Db, and the 432 unit (#432-2) with a noise figure of 1.6 Db and gain of 15Db. There is also a top line 432 job with a 1Db noise figure and 11 Db gain rating for \$125. Units are ready to connect in the receiving line using standard BNC fittings. Preamps can also be ordered with phono, TNC or other types. Price #222 - \$34.95 #432-2 \$39.95. P.O. Box 82183, San Diego, Calif. 92138

* * *

VHF/UHF REPORT

By Jo, W2EIF

The VHF/UHF bands have not shown much activity for the period September 15 thru October 20. There have been several small aurora openings which affected 6 and 2 meters. One of these was on September 21 when stations in the Midwest and VE1, VE2 and VE3 were worked via CW on 2 meters. As usual, the aurora was a bit better on 6 meters. The opening lasted from about 2200 Z to 2250 Z. Other short aurora openings were observed - the latest occurred about 2400 Z on October 17. It only lasted about 10 minutes with signals from the Midwest and Maine heard on 6 and 2 but nothing on 220 or above.

In a way, I am glad that the baseball season has concluded. A great many hams must be baseball fans like myself with the result that there is a noticeable lack of activity during the 1st half of October due to all the play off games, world series plus Sunday and Monday Football.

In this area which includes E. Pa. and N.J. there is quite a bit of activity being generated on 1296 and 2304 Mhz. WA3JUF and WA2LTM have schedules with W. N.Y. stations on 1296, while W3HMU, K3BPP and WA2ZZF can be heard (via the 220 Repeater) making contacts on those bands. Sometimes, they play the signals back on 220 which generates a bit of interest. W2EIF, W3HQT, WA3JUF, W3HMU, K3GAS, K3IUV, WA2ZZF, WA2LTM, W2VC and W3HFF are all currently on 1296. At least 4 or 5 of these are usually on the Pack Rat 1296 net at 9:15 p.m. local time on Monday nites.

* * *

OFFICIAL BULLETIN NR 675 FROM ARRL HEADQUARTERS NEWINGTON CT OCTOBER 20 1977 TO ALL RADIO AMATEURS BT: The FCC has dropped its proposal for a new Class E CB Radio Service at 224-225 Mhz. In a Public Notice released October 13, 1977, the Commission stated that since the release of the proposal (Docket 19759) in 1973 significant events have occurred which render the original comments and reply comments obsolete. Since 1973 the number of CBers has increased dramatically to 10,406,828; the FCC has formed the Personal Radio Planning Group (PRPG) to perform an internal study of personal radio, and the Personal Use Radio Advisory Committee (PURAC) to obtain assistance from industry and users; the Commission increased the number of CB channels from 23 to 40; and in April 1977 the PRPG concluded that frequencies other than 220-225 Mhz should also be considered for a personal radio service. The Commission said that it would consider the issue of alternate frequencies for personal radio in some future rulemaking. Details December QST. AR

HAMARAMA WEEKEND 1977

The first annual Mid-Atlantic VHF Conference was held on Saturday, October 1 followed by the 5th Annual Hamarama on Sunday, October 2. Both events enjoyed wide acceptance by the Hams of the Delaware Valley and beyond.

The VHF Conference attracted 95 registrants for the day long program. For those of you who missed the Conference, a quick recap is in order:

The Program was kicked off by Ed Kushner, W3HKZ, ably assisted by Larry Wills, K3ADS, and a number of local repeater owner/operators who brought us up to date on the FM scene. Next, Paul Wade, WA2ZZF made a fine presentation on UHF solid-state-of-the-art techniques and even had a few goodies for the peanut gallery. After lunch, Tony, W3HMU, and Walt, K3BPF, spoke on the technical "solutions" of EME and set up a very good graphic demonstration of the effects of antenna polarization on Moonbounce contacts. Dick, K3MWV, and Ron, WA3AXV talked about the latest solid state advancements in the field of VHF amateur TV. Antennas and antenna optimization was the theme of an excellent slide presentation by Dick Knadle, K2RIW. The last presentation was a VHF contest forum moderated by Bill, W3HQT and assisted by Jim Kearman, W1XZ (Arrl Headquarters) and Jesse Bieberman, W3KT (Vice Director, Atlantic Division). Vigorous audience participation was cut short by the clock as the time for the evening banquet drew near. Perhaps more time for this next year.

Dave Zimmerman, W3ZD was the Chairman for the VHF Conference and did a fine job putting together an interesting and informative program. Thank you, Dave. Also, thanks to W3CL, K3GAS and W3IIT who worked behind the scenes to help make the day a success.

Hamarama got off to a rather soggy start again this year, but by afternoon the weather cleared and close to 2000 people packed into the Drive-In. We apologize for any minor inconveniences caused by the weather and the large crowd. I felt, however, on the whole everyone had a good time and found many good bargains among the several hundred tail-gaters.

The winner of the Optoelectronics Frequency Counter was Warren Mahland, K2BIV of Chatham, N.J. He was present shortly after the drawing and happily claimed his prize. Not a bad return on a one dollar investment! 65 winning door prize tickets were drawn throughout the day. Most of the prizes were claimed during the day. Those who were not present, will have their prizes mailed to them.

An event of this magnitude does not just happen. A group of dedicated people contribute their valuable free time to accomplish the myriad of tasks preparatory to Hamarama weekend. To those people, I simply say thank-you. A special thanks to the Philmont Club for the installation of their PA system from the "Yellow Peril" mobile unit.

It makes me proud to be a Pack Rat. Ron, WA3AXV - General Chairman, HAMARAMA.

SWAP SHOP CONTINUED

FOR SALE: 6 mtr. FM motorola T51 w/solid state Pwr sply, control head, mike & cables. Output 70 watts. Very clean & works great.

CONTACT: Richard Pierce, K3MWV, 2700 New Falls Road, Newportville, Pa. 19056 Phone: 215-785-0058

FOR SALE: Brand new Icom Ic202 - 2 mtr. SSB portable Icom-DV 21 Digital VFO. Heathkit - HW 2036 w/micoder.

WANTED: 6 mtr. 3-5 element beam; vertical 2 mtr. beam. Hi power HF linear amplifier.

CONTACT: WB3DBY, Aaron Bram, Phone: 215-696-5826

WANTED: Clegg FM-21 or similar used solid state 220 Mhz FM transceiver (base station)

CONTACT: Dick Knadle, K2RIW, Phone: 516-423-1963 or on 432 Mhz at nite.

FOR SALE: Pack-Rat name badges, any color.

1 1/2 x 3 - 1 line = \$2.50; 2 lines = \$2.75;

3 lines = \$2.75. 2x3 - 1 line = \$2.75; 2 lines = \$3.00; 3 lines = \$3.00. Phone anytime 24 hr. day. (checks payable to Gene Bond)

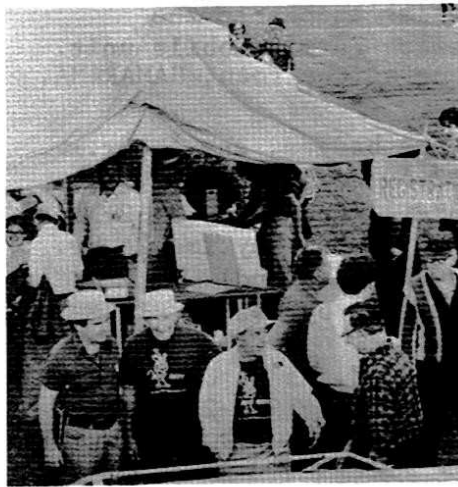
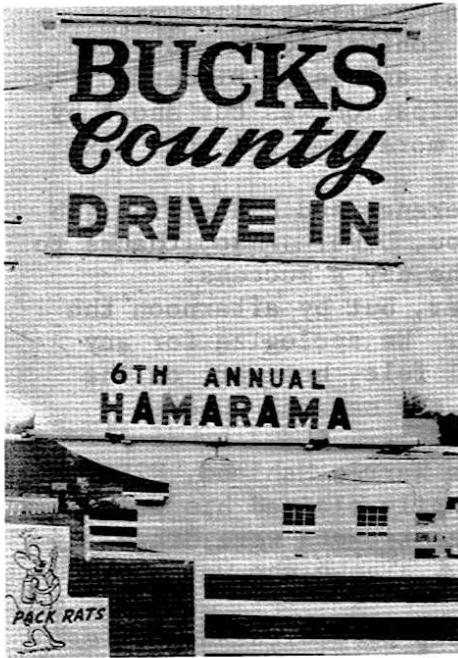
WANTED: Gonset IV 220 Mhz by Jan. 1, 1978 (must be in good condition)

CONTACT: WB2UVB, Gene Bond, 15 E. Camden Ave. Morrestown, N.J. 08057. Phone: 609-234-3926

FOR SALE: Knight 2 mtr AM rig w/VFO \$50. V106-V107 w/manuals.

CONTACT: WB3BSA, Harry Sheard, 519 Cedar, Croydon, Pa. 19020, Phone: 215-785-2790.

W HAMTRONICS CATALOG: Hamtronics, Inc. announces publication of a new, expanded 1978 catalog crammed with goodies for vhf/uhf and OSCAR enthusiasts and two-way radio shops. The 40 page catalog features a new line of vhf and uhf receiver converters, new vhf and uhf fm receiver kits, receiver preamps, fm transmitter kits, power amplifiers for vhf and uhf, test probe kits, power supplies, tone pads and tone encoder microphones, antennas, and many more items of interest to the active ham! For your copy of the new 4x5 1/2" catalog, send self-addressed stamped envelope to Hamtronics, Inc.; 182 Belmont Rd; Rochester, NY 14612.



HAMARAMA '77

MT. AIRY V.H.F. RADIO CLUB, INC.



AD
MANAGER
K3MWM

ADS

A request from your AD Manager

PATRONIZE OUR ADVERTISERS
Tell them you saw their ad in
CHEESEBITS. Leave your QSL card
with them.

CHEESEBITS is one of the best
read local radio club papers.
Circulation - 300

B.B.C

ELECTRONICS COMPANY, INC.

"ONE OF THE FINEST NAMES IN THE INDUSTRY"

SPECIALISTS IN

High power RF transistor components
CMOS integrated circuits and
associated components.

A complete line of amateur HF and VHF
equipment including the best names in
the business.

Liberal discounts to licensed amateurs
has been, and still is, our policy.

TRADE-INS ACCEPTED

FOR ALL YOUR AMATEUR NEEDS
WRITE - CALL - OR COME IN

B. B. C

Blue Grass Plaza
2417 Welsh Road
Phila., Pa. 19114
Phone 215-464-1880

KORVETTE
SHOPPING
CENTER

PROVIDENT BANK

WELSH RD.

BBC

DRIVENAY
BLUE GRASS

1ST TRAFFIC SIGNAL
SWAP SHOP



AMERICAN RADIO RELAY LEAGUE
HARRY A. MCCONAGHY, W3SW/W3EPC
DIRECTOR, ATLANTIC DIVISION

8708 FENWAY DRIVE - POTOMAC
BETHESDA, MARYLAND, 20824

(301) 707-5822

W3CL

HARRY B. STEIN ASSOCIATES

COMMUNICATIONS CONSULTANTS

HARRY B. STEIN

2007 PARKDALE AVE.
GLENSIDE, PA. 19038

NE 7-8320

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

CONSULTING ENGINEER

W3HK

4807 CONVENT LANE
PHILA., PA. 19114

SWAP SHOP

FOR SALE: Barrecrafters Ski Rack for
Porsche 914. With lock. \$25.00 or
best offer.

CONTACT: Fred Lissauer
TR 7-5573 after 6 P.M.

FOR SALE: Philips TV camera with vidicon,
lens, control unit and 12" monitor, all for \$65.
Dumont type 208 5" oscilloscope w. manual. LZ
Oscilloscope CW 60 ACB 3" w/probe and schematics.
Small 3" oscilloscope, needs power supply filter
(supplied). Wilcox CW3 Rcvr w/manual. Hickok VTVM
model 203 w/probes & manual. \$25.00. 6 meter FM
RCA LD with all cables, control head, speaker,
schematics and antenna. \$35.00 Espey mutual
conductance tube tester.

Contact: Doc Cutlar, K3GAS, Phone: 215-ME 5-1078

FOR SALE: HW-7, QRP transceiver w/gel-cell battery
\$60. "Apache" TX-1, CW/AM transmitter / VFO-180 watts
ut, built in power supply \$40. Polycomm 6 mtr. AM
transceiver, 18 watts input, built in VFO, new
drivers and final. \$50.

WANTED: 6 mtr. SSB transceiver under \$150. or
transmitter/transmit converter under \$70.

CONTACT: N3EG, Earl Garber, Phone: 215-677-1699

FOR SALE: Complete Antenna Package: \$250
firm. TA36 Mosley Beam, excellent cond.
new hardware; Ham-M Rotor factory
reconditioned not used; 100' new Coax;
100 ft. of new 8 strand cable; 7 ft.
Galv. mast; Rohm 6 Tower, 8 ft. top
section w/rotor plate, just painted not
used; 150 ft. of guy wire plastic
covered; misc. hardware.

CONTACT: Bob Field, WA3INW,
Phone: 215-782-1640

FOR SALE: From WA3PDV Estate:
Lafayette HE-45A, 6 mtr. transceiver \$40.
Hallicrafters SR-46A 6 mtr. " w/VFO \$65
Yaesu FRDX 400 rcvr, w/spkr, w/2&6 mtr.
convtr., \$250. (covers 2 to 160 mtrs CW,
AM, FM, SSB) Globe 6-2 VFO, 6&2 meters
w/built in PS \$20. Gonset 2 meter
communicator \$35. Lafayette 15 watt in/bm
wattmeter/VSWR \$10. Tube tester, accurate
Inst. Co. Model 151 \$10. Drake AA22
2 mtr. 25 W. Amplifier w/ac supply \$75.
MAKE OFFER.

CONTACT: Jim Beaver, W3AHZ, 1015 Edge Hill
Road, Roslyn, Pa. 19001. Phone: 215-886-8180



BARRACKS TRADING POST

Camping • Electronics • Canvas

RT. 38 AT RUDDEROW AVE.
MAPLE SHADE, N. J. 08052

HARVEY PRIMOST
609-662-6114



ELECTRONIC CENTER
SCHLUMBERGER PRODUCTS CORP.
OVER 300 ELECTRONIC KITS

TED HALDIS
MANAGER
K3EPK

6316 ROOSEVELT BLVD.
PHILA., PA. 19149

TELEPHONE
815 CU 8-0180



Scott's
Surplus
Electronics

134 E. Park Av. Merchantville, N.J. 08109

Division Of dab Associates Inc.

Pres: Scott Layman

609-665-2466



AMIL S. GUMULA
PRESIDENT

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



HOURS
CLOSED MONDAY
TUE. & THUR. 9:30-5:00
WED. & FRI. 11:30-9:00
SAT. 9:30-5:00

(215) 723-1200
(215) MI 6-2511

ELECTRONIC EXCHANGE

ALL TYPES OF HAM GEAR & ELECTRONIC EQUIPMENT
BOUGHT, SOLD, TRADED & REPAIRED

GORDON R. KITTEL
K3AIG

136 N. MAIN STREET
SCUDERTON, PA. 18964

AMATEUR & CB RADIO
SALES & SERVICE

(215) OL 9-5900

"HAM" BUERGER INC.

Communication Specialists

BOB HERSHMAN
WA3ZID

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

Suburbs: (215) 449-9300
Phila.: (215) 628-6120

KASS ELECTRONICS DISTRIBUTORS



DISTRIBUTORS OF
RADIO — TELEVISION PRODUCTS
INDUSTRIAL ELECTRONIC PARTS & EQUIPMENT

2502 TOWNSHIP LINE ROAD
(West of Lansdowne Avenue)
DREXEL HILL, PA. 19028



J.C. R/C HOBBIES

215/659-0770

Hours:
Mon. & Sat. 10:00 — 5:00
Tues. thru Fri. 10:00 — 9:00



MINIATURE FLYING MODELS
Radio Control Equipment & Supplies
Crafts for All Ages
BOATS, TRAINS, CARS & PLANES

23 EASTON ROAD
Willow Grove, Pa. 19090

JERRY COWAN
Owner

K3KTY

215-567-7130

TRANSPORT EQUIPMENT COMPANY

"EVERYTHING FOR THE TRUCK"

JOHN A. TATE
President

2215 - 2217 Race Street
Philadelphia, Pa. 19103

WA2MWB

CARL BARISH
(609) 667-9092

MELCO LABS

Suite 309, 606-110th N.E.
Bellevue, WA 98004 (206) 455-5661

Day-Nite (215) 455-2121

FERTIK'S ELECTRONICS

Components & Equipment

LEON FERTIK

5400 ELLA STREET
PHILADELPHIA, PA. 19120

RICHARD E. BOKERN
PRODUCT MANAGER
COMMUNICATIONS PRODUCTS OPERATION
FORT WAYNE DIVISION

1818 PRODUCTION ROAD
FORT WAYNE, INDIANA 46808
PHONE: (317) 462-4421

**MAGNAVOX GOVERNMENT AND
INDUSTRIAL ELECTRONICS COMPANY**

WB9PUJ

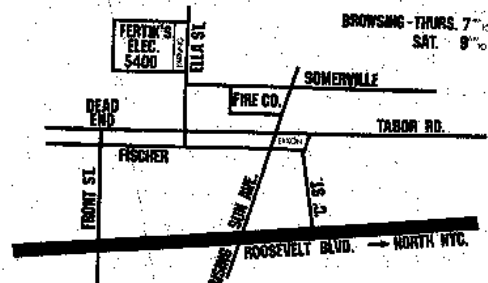


W3KKN

ERNEST KENAS
TOOL DESIGN
MANUFACTURING ENGINEERING DEPARTMENT

THE BUDD COMPANY
AUTOMOTIVE DIVISION

PHILADELPHIA, PA.



People who look for peace get it.

—Guru Maharaj Ji

For information contact:

DIVINE LIGHT MISSION (DUO)
6037 Overbrook Ave.
Phila., Pa. 19131
Office: 215-GR 7-2800

73

magazine
for radio amateurs

PETERBOROUGH, NEW HAMPSHIRE 03458

1 Year = \$15
3 Years = \$25

FIELD MOWING - EASTERN PENNA.

GROUNDSKEEPING -
PHILA. AND SUBURBS
INSTITUTIONAL - INDUSTRIAL - PRIVATE
EQUIPMENT LEASING

PETER H. SHAVNEY
LANDSCAPING
111 S. EASTON ROAD
GLENESIDE, PA.

WA3OVH

886-1859
OR
933-0451

On September 21, 1977, the FCC acted on Docket 21033, repeater rule simplification. Effective immediately no new applications for new repeater, auxiliary link, and control station licenses will be accepted. The following are also effective November 4, 1977.. Distinct licenses for repeaters, auxiliary link, and control stations will be eliminated. These modes of operation will become privileges inherent in all individual primary licenses and club station licenses. This means that distinctive WR prefixes for repeaters are being abolished. However, present repeater, auxiliary link, and control station licenses remain in effect till expiration, at which time they will not be renewable. Also, applications for repeater station licenses now on file will be dismissed without action. Portable and mobile operation of auxiliary link stations has been approved. In addition to the present repeater subbands the following frequencies have been made available for repeater use, 144.5-145.5 MHz, 220 MHz and up, except for 435-438 MHz. Technician class licensees have been granted additional privileges at 144.5-145 MHz so that they may use the newly created repeater subband on two meters. This gives Technicians privileges on 144.5-148 MHz in all on two meters. The identification interval for repeaters has been extended to at least once each 10 minutes. Stations operating in the repeater mode shall identify either by phone by adding the word repeater after the primary call sign, or by cw by following the primary call with /RPT. Stations operating in the auxiliary link mode (or control link mode - the control function has been combined with that of the auxiliary link) shall identify either by phone by appending the word auxiliary after the primary call, or by cw by including /AUX after the primary call. Transmissions from open access automatically controlled repeaters need no longer be monitored or recorded. There was no action taken on the establishment of priorities for frequency use, on modifications of the present effective radiated power versus height above average terrain requirements, or on the elimination of the requirement that a record of third party traffic must be maintained in the log of a repeater station, or of a station operating in the repeater mode.

AR

PROPOSED BAND PLAN FOR 144.5 - 145.5 MHZ REPEATER BAND

"All inputs low, outputs high (a quick check shows that the least harmful intermode occur to weak signal and Oscar work above the new band segment.)

A total of 20 channels, 20 kHz spacing, no splits. The first channel starts at 144.51, the last at 144.89. Input-output spacing, 600 kHz. The section from 144.9 to 145.1 (200 Khz) is reserved for channelized communications, weak signal, SSB, etc. Band would be as follows:

| <u>Input/Output</u> | <u>Input/Output</u> | <u>Input/Output</u> | <u>Input/Output</u> |
|---------------------|---------------------|---------------------|---------------------|
| 144.51/145.11 | 144.61/145.21 | 144.71/145.31 | 144.81/145.41 |
| 144.53/145.13 | 144.63/145.23 | 144.73/145.33 | 144.83/145.43 |
| 144.55/145.15 | 144.65/145.25 | 144.75/145.35 | 144.85/145.45 |
| 144.57/145.17 | 144.67/145.27 | 144.77/145.37 | 144.87/145.47 |
| 144.59/145.19 | 144.69/145.29 | 144.79/145.39 | 144.89/145.49 |

As you'll see from the FCC changes, the entire 220 MHz band, and most of the 420 Mhz are opened to repeater work. We have a request from the VUAC, (VHF Advisory Committee) that any new planning for these bands by repeater councils, coordinators, etc. leave 220 to 220.5 Mhz and 430 to 435 Mhz open for weak signal work, Moonbounce, and so forth. Modifications of the ARRL Band Plans should be forthcoming soon but at this time, the urgency is for the w 2 meter plan. -- W1ICP" (This will appear in November QST) From Directors Letter #1698

"Having just participated in the Sept. VHF QSO party I feel compelled to say a few words about my feelings on the subject of channelized communication in VHF contests particularly 146.52 MHZ.

As an active VHF'er for just over 13 years I have seen channelized FM move from its infancy in the early 60's to the wide spread popularity now evident by even the most casual observer. I have used FM as an adjunct to my normal Ham activities and value it as a good tool. But, like any good tool it has to be used in the correct manner. I have observed that those most enchanted with FM are primarily low frequency operators seeking good, short range communications. I have also witnessed 2 meter FM break into a multitude of small special interest groups, social and technical, who seek "private" channels to talk to others of their group. The last bastion for anyone seeking a general purpose operating frequency on 2M FM is 52 simplex. Lets keep it that way; even during contests.

The 52 simplex channel becomes a snarling, uncontrollable beast during a VHF contest on the east coast. Local communications become impossible for those who wish to use what is, perhaps, their only simplex frequency.

Much ill temperment and poor operating techniques are clearly evident. Complete disregard for others using the frequency is wide spread. Jamming and profanity abound. Can we afford to promote this image of Amateur Radio by continuing to allow channelized contest operation?

Perhaps the one sensible argument for continuing to use FM simplex as a contest frequency is that it exposes new people to the VHF spectrum. Some think hearing some of the top contest people using FM will draw new blood into the VHF fold. I question this. They are not exposed to what many of us find to be challenging and rewarding about VHF-UHF operation. They are instead presented with what is in many cases VHF operation at its worse.

It seemed for a while that the powers to be had recognized many of the things I have just mentioned and were taking positive steps to improve the situation. Lately, there has been much backsliding and waffling on the subject as the system responds to various pressure groups. I am aware of many of the arguments that are presented and sympathize with the operators in areas of the country where the population is not dense enough to support traditional VHF contest activity. However, I think consideration must be given to the problem as a whole and deep serious thought must be applied toward action that is better for Amateur Radio in the long run.

I also read, with some amusement, the recent article in QST bemoaning the fact that some amateurs violate the spirit of contest rules. At about the same time a new rule is promulgated which permits up to four hours of operation on 52 simplex. It is precisely this type of unenforceable rule that generates less than honorable behavior by contest operators. Stopgap legislation does not work at any level of government.

In conclusion, it is my opinion that a reasonable compromise for all involved is to ban 52 simplex from contest operation with no time limits and other unenforceable contingencies. Just a simple rule which will permit FM channelized operation (e.g. 55,58) for those that feel it is necessary and at the same time we do not forcedly involve innocent by-standers in contests. We had this rule for a short time and it seemed to be a good move in the right direction. What happened??

Further, the use of 52 simplex in VHF contests distorts the results and inflates the scores of those who take full advantage of this mode to run up high contact numbers in large metropolitan areas. What does it prove? It proves that more people live in some areas of the country than others. And what does that mean? It means that the people in less populated areas of the country will still be at a relative disadvantage. Back to square one except that much hate and discontent is created along the way."

* * *

Late Flash: W2EIF reports that there was excellent Tropo on the 24th and 25th October. WA3JUF reports working the following stations on 1296 Mhz on the 25th.. K2YCO - W.N.Y., K4QIF - Va., KLPXE - Conn., W2VC - N.J., and W3HQT - Pa. Please note that it would really pay to get on these higher frequencies for the high points in the January VHF SS.

TID BITS

Congratulations to George Gakoumis, K3KMN, who finished a tour as acting postmaster of York, Pa. George was honored by a first day issuance of the Articles of Confederation Commemorative Stamp which gave York national recognition. K3KMN was responsible for the promotion of philatelic activities by opening a stamp collectors window at the downtown Post Office as well as display cases showing stamp collecting news and display ideas. (FB George!!)

Welcome home to Don, W3CJU after a sojourn in sunny Hawaii!! Glad you were able to get back for Hamarama participation.

Mario, W3ELX back from the Hospital. He is anxious to get going again and hangs out on 2 mtr FM as well as the Pack-Rat 220 repeater.

Abington Township residents interested in joining the RACES CD Unit get in touch with Jim Beaver, W3AHZ Township Radio Officer. His Phone: 215-886-8180.

Elio, W3RZU reports that his 5th Harmonic Jim now is WB3JFC. Good luck Jim - how about getting the OM back on the air.

W2EIF reports the June 1978 QSO Party will be June 10 & 11. Info obtained from Ellen White, W1YL at headquarters. It appears the Pack-Rats are the top multi-op group in the 1977 June VHF QSO Party.

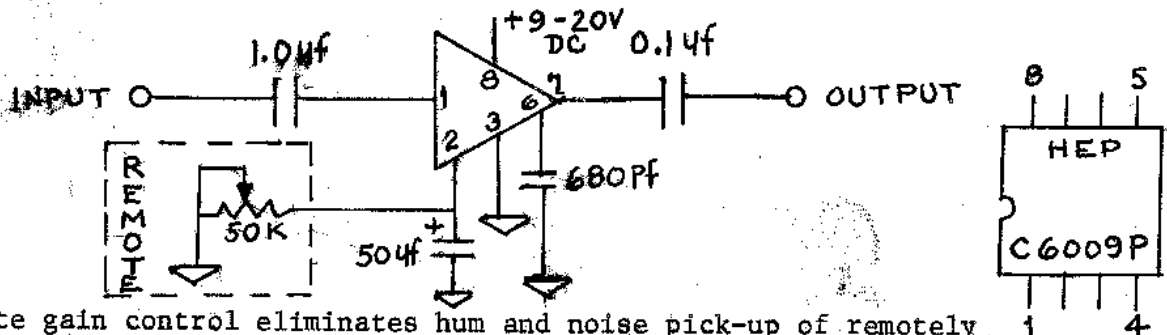
Talking about dates, the January 1978 VHF SS Dates are January 21 & 22. Mark your calendar accordingly and please let the YF know these dates! No plans - No visitors.

Carmen DiCamillo, Val Pistilli and John Prenis of DATAC Engineering gave a very interesting presentation and demonstration of the application of microprocessors/computers to Ham Radio. If you are interested in obtaining information on these items, write to them at x 406, Southampton, Pa. 18966.

Congratulations to Gary Dallas, W4YHO on his election to President of Connecticut Amateur F.M., Inc. They are celebrating their tenth Anniversary with a dinner party. If you wish to attend, get in touch with Gary not later than November 6th. Tel. 203-261-9646.

REMOTELY OPERATED GAIN CONTROL

by Dave, WA3JUF



This remote gain control eliminates hum and noise pick-up of remotely operated volume controls. The volume control wires carry only a DC control voltage.

Cheese Bits
 2087 Parkdale Ave.
 Glenside, Pa. 19038



WA3WAS, STEVE SIMONS
 8506 KENDRICK PLACE
 PHILA., PA. 19111



MT. AIRY VHF RADIO CLUB, INC.

FIRST CLASS

MEETING NOTICE

"HAM" BUERGER INC.

AMATEUR RADIO EQUIPMENT - PARTS & SERVICE

68 N. YORK RD.
 WILLOW GROVE PA. 19090
 (215) OL 9-5900

HOURS:
 MWF 9:30 to 9:00
 TTThS 9:30 to 5:30

Bob Hershman, WA3ZID

THESE BRANDS
 AND MORE

BUY TRADE SELL on CONSIGNMENT



LMB*

"W2AU" BALUN

