



CHEESE BITS

W3CCX
CLUB MEMORIAL CALL

ARRL
Affiliated
Club



Incorporated May 1956

Volume XLVIII

2007

Number 04

PREZ SEZ

Thanks to all who participated in the Homebrew Night by bringing their projects and to those who voted for the winners. Some of you who were at my QTH for the last Board meeting got to see a few of the projects that I have going. My next big item is the mount for the 1296 feed and super scalar ring. Thanks to Marc, N2UO, I have plenty of info and pictures from others who have made similar mechanical mounts. Now to find some time....

Every club member should be attending the April 19TH meeting to hear Jeff Klein, K1TEO discussing his experience over the years in VHF contesting. Jeff appears frequently in my log, and is one of the best signals from CT on all bands thru 10GHz. He also has one of the best styles of QSY from band-to-band. He has a lot to offer in his presentation, which some of us heard a few years ago at the North East VHF Conference. *WE ARE HAVING DINNER WITH THE SPEAKER PRIOR TO HIS TALK—LET DAVE, KB3HCL KNOW IF YOU ARE COMING. DUTCH TREAT—5:30PM AT PIPPO'S FANTASTICO* 765 Second St Pike, Southampton, PA. RSVP by Friday, April 13th. KB3HCL@ARRL.NET

Many Pack Rats have responded to ideas for a club construction project and this will be a topic of discussion at the next board of directors meeting. Remember that all board meetings are open to any member who has business for the club, and you can teleconference to the meeting if you can't get there in person. In addition to the thoughts on various projects, we will be seeking Elmers who can facilitate the activity and testing of the finished products. This will clearly be a positive gain for the club and individuals, as you will increase your bands, power and capabilities, not to mention skills and knowledge. It appears that the activity will be more than one specific item, so as many members as possible can be involved, no matter what are your current station and skills capabilities.

The Mountain looms as the next big thing. June 8-9-10-11 approacheth in haste. Good planning makes for better activity and outcome. Steve and Al have been busy with various considerations, but more input is needed from the broader team of membership. From planning and loading, to station assembly, antenna erection and testing to operation of SSB, WSJT, FM and CW, cooking, cleanup, roving, lasers, tear-down and re-stowing the gear, we need many hands. As always, this is our best team-building activity of the year. Make sure you take an active part. There are some new twists with our equipment, and a few new exciting things are being added. We are also looking for additional rovers and have gear to lend to get you going on 4-6 bands. If you are interested in being a rover, we can set you up, give you a route, and teach you what you need to know to have fun in the roving activity. Contact me directly rick1ds@hotmail.com if you can do this with your vehicle.

Microwave Update 2007 plans are progressing nicely with a dozen attendees signed up already, including registrants from Australia and England. Please visit the www.microwaveupdate.org website to register yourself and get banquet tickets for your family and friends. It is our expectation that every Pack Rat will attend the conference, and bring their spouse, family, significant other and/or friends to the Banquet on Saturday night, October 20th. Early bird discounts apply.

Lastly, club elections are coming up in June. A nominating committee has been assigned, and they may call on YOU! Often repeated, you will reap from the club what you sow. Please be an active contributor to making each and every one of our activities an ongoing success. Thanks in advance to all of you who keep your shoulders to the wheel. 73, Rick, K1DS

Remember: You don't stop laughing because you grow old, You grow old because you stop laughing.

Pack Rats **CHEESE BITS** is a monthly publication of the
Mt. AIRY VHF RADIO CLUB, INC. -Southampton, PA.
 SUBSCRIPTION RATE: \$16.00 PER YEAR (USA)
 \$20.00 PER YEAR (CANADA)
 \$10 PDF only
 \$24.00 PER YEAR (ELSEWHERE)

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PACKRAT BEACONS - W3CCX/B

FM29jw Philadelphia, PA
 50.080, 144.284, 222.065, 432.295, 903.071, 1296.251,
 2304.037, 3456.220, 5763.190, 10,368.140 MHz (as of 3/1/01)

MONDAY NIGHT NETS

| <u>TIME</u> | <u>FREQUENCY</u> | <u>NET CONTROL</u> |
|-------------|------------------|--------------------|
| 7:30 PM | 50.150 MHz | K3EOD FM29II |
| 8:00 PM | 144.150 MHz | N3ITT FN20kl |
| 8:30 PM | 222.125 MHz | K3TUF FN10we |
| 8:30 PM | 224.58R MHz | W3GXB FN20jm |
| 9:00 PM | 432.110 MHz | WA3GFZ FN20kc |
| 9:30 PM | 1296.100 MHz | WA3NUF FN20le |
| 10:00 PM | 903.125 MHz | W2SJ |

Visit the Mt. Airy VHF Radio Club at:
<http://www.packratsvhf.com>
www.w3ccx.com

Editor's Column

All fools are born in April—or so the saying goes. That applies to me too. I have made another milestone. This year will mark my 50th as a licensed Amateur. Can you remember when you first got your license?

Nostalgia reigns when I remember where and when I took my Novice test and the thrill of that first hesitant QSO. Now most folk just hope I shut-up.

It also marks the end of 49 years of CHEESE BITS. Somewhere in the archives I have a very poor copy of the original issue. Do you have a nice clear copy to lend?

There are a lot of activities on the club's calendar. To make all those plans a reality we need the support of ALL the membership. That includes those retired member who my wish they could contribute in a small way.

How you say?

Well we have plenty of desk job for MUD 2007. Greeting guests, and being sure the guest get all the correct stuff when they register.

Or, how about giving a hand with Cheese-Bits? Do you remember a special event for the June Contest that may be worth sharing? Jot it down and send it along for a future issue.

I see the discussion continues on the "CLUB PROJECT" program. That is a terrific idea and it will be a real success only if we all work together to improve our own stations while we help others get on the air, add a band of fix up what they have not had on the air for a while. It's simple math - more Q's on more bands is more points for each member. More stations on the air is more logs to submit for the club based competitions in January, June and September as well as the 2 GHz and up Contest.

April promises to be a very interesting meeting with K1TEO giving some insight on a winning attitude and a winning station for VHF and up contesting. Why not mark it on your schedule for Thursday evening and come on out.

Don't forget the Nets on Monday evening—just look to the left for the schedule, blow the dust of the microphone, chase the spider out of the rigs and Make some noise on one or more of the bands.

Hope to hear you there Monday.

*Listen for the
 WEAK ONES
 73
 W3GAD Doc*



HOMEBREW NIGHT

2007

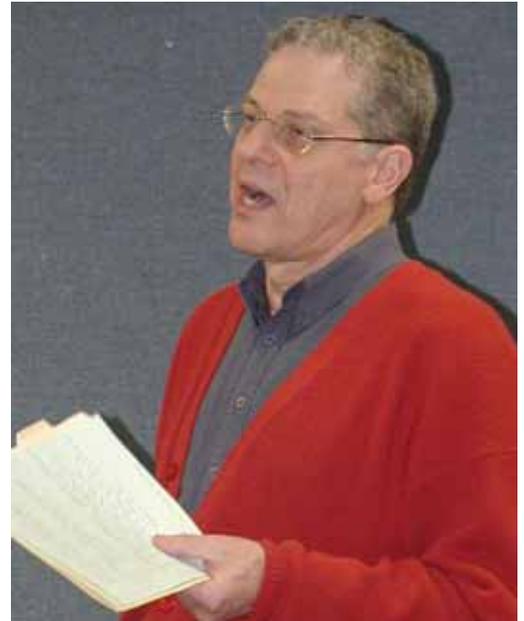
The weather was pleasant for a March evening. The attendance was small and the projects presented for the 2007 Homebrew Night program were as diversified as their presenters.

While we only had 3 projects presented (this has to be a new low record for this program) the application of design, construction skills and digital applications presented were superb.

Admittedly not everyone is a designer, software engineer or astrophysics professor but within the PACKRATS we have a huge resource of knowledge and willing hands to help everyone successfully complete projects for their station expansion and improvements.

First we have K3TUF, Phil Theis presenting his design for band switching his transverters, amplifiers and IF radios, selecting all pre-programmed options on the fly using miniature relays

Joe Taylor, K1JT, with a little mechanical help from his friends, designed an antenna selection system for his EME/Meteor Scatter/Contest 2 meter station along with switching for the digital and analog option for the input.

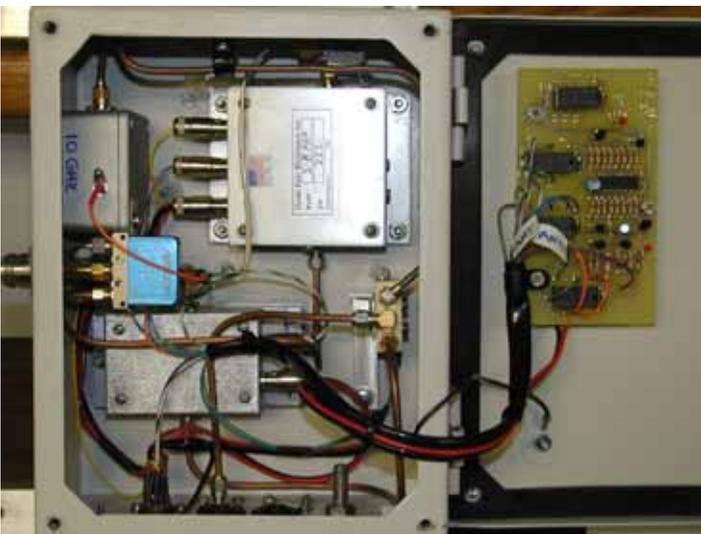


HOME BREW NIGHT 2007 continued



WA3GFZ, Paul Sokoloff went all out with his 10 GHz transverter, moving it from the shack to the tower. As Paul pointed out this arrangement is not without its' challenges and he eloquently pointed out several moments during the contest that tested his skills to solve problems in the middle of the contest

Paul's design mounted the receive pre-amp the



transverter and the power amplifier in a weather proof box but also included all the switching and a sequencer to add further protection to the package. This arrangement also enabled Paul to much less expensive LMR coax rather than wave guide to all that 10GUz energy to the antenna and back down to tower To his IF radio.

Paul also reminded us that the only sure way of finding something is to go out and buy a replacement or start looking for something different.

Well done PACKRATS for helping to make HOME BREW NIGHT 2007 a success.

W3GAD

Mhz? MHz?
MHz? MHz?
no!! mHz!!

Confused about those scientific abbreviations? Here is a web site that may clear up, or add, to your confusion.

Remember that most designations contains a magnitude designator followed by the actual unit designator. The two could have the same letter. One we're familiar with is "mm" (millimeter). In some cases the same letter can mean different values. Please remember that the correct abbreviations are all "case sensitive"

This list of prefixes and standard practices for their use is from the Science Institute. The download is large but you can download it in bits if necessary:

<http://physics.nist.gov/cuu/Units/prefixes.html>

When you are putting this into your browser remember that the entire address has to be exactly as shown and on one line. This link was tested prior to being offered here. W3GAD

SPRING SPRINTS TAKE TWO

Here is a reminder about the *SPRING SPRINTS*

Let's all get on the air and send in those logs. The winter has been mild enough to let the spiders start building early in the antennas—time to chase them out.

1. 144 MHz: 7-11 PM local time, Mon., Apr 9
2. 222 MHz: 7-11 PM local time, Tue., Apr 17
3. 432 MHz: 7-11 PM local time, Wed., Apr 25
4. Microwave--902 MHz and higher: 6 AM-1 PM local time, Saturday, May 5
5. 50 MHz: 2300Z May 12 - 0300Z May 13 ("local" Saturday evening in the Americas)

Remember that 2007 IS the 25th running of the Spring Sprints so this one a little bit "more special."

For further information, please e-mail:

springsprintquestions@sysadnet.com

-OR- springvhfuhfsprints@gmail.com

2007
2GHz and Up
World Wide Club Contest
Sponsored by the
San Bernardino Microwave
Society

1. **Object:** Worldwide groups of amateurs (Clubs) work as many amateur stations in as many different locations as possible in the world on bands from 2GHz through Light.
2. **Date and Contest Period:** Second weekend in May. The weekend begins at 6 a.m. local Saturday though 8 p.m. Sunday.
3. **Exchange:** Six-character Maidenhead Locator; example DM04ww (see April 1994 QST, p. 86 or www.arrl.org/locate/gridinfo.html).

Signal report is optional.

1. **Miscellaneous:** Scheduling contacts is both permissible and encouraged.

Stations are encouraged to operate from more than a single location. A station may be worked again on each band for additional credit after a change of location.

For purposes of the contest, a change of location is defined as a move of at least 16 km (10 miles).

A transmitter used to contact one or more stations may not be used subsequently under any other call during the contest period with the exception for multiple licenses in the same family sharing the same equipment (family rule). The intent of this rule is to prohibit "manufactured" contacts.

2. **Scoring:** Distance points: The distance in km between stations for each successfully completed QSO. One point per kilometer (eg., 10km is 10 points). In making the distance calculations, a string (or ruler) and map may be used. However, calculations by computer program are preferred. Several such programs are available, including a BASIC program listing in The ARRL World Grid Locator Atlas. For purposes of making calculations, stations are defined as being located in the center of the 6-character locator sub-square (most computer programs make this assumption).

6. **Multipliers**
 - a.. 2GHz to 10GHz times 1
 - b.. 24GHz = 2 times
 - c.. 47GHz = 4 times
 - d.. 76GHz and up = 8 times
7. **Bonus points**
 - a. Count 1000 points bonus for each band you activate and make at least one contact
 - b. Count 100 QSO points for each unique call sign worked per band
8. **Awards:** 1st place plaque and all club entries will receive a certificate, suitable for frame. Send entries no later than 60 days after the contest to be considered. Submit logs via regular mail only to:

Pat Coker, N6RMJ,
40916 179th Street,
Lancaster CA 93535, USA

For more information, rules and past scores see the SBMS web page at:

<http://www.ham-radio.com/sbms>

or contact Pat Coker, N6RMJ:

n6rmj@sbcglobal.net

A note from

ND3F

ROVER OF THE YEAR

Rick and the Packrats!

I would like to express my great pleasure and appreciation (and surprise) to have received the 2006 Rover Recognition Award. The plaque came in the mail today, and it is beautiful-- It will be placed in a very visible place in the shack!

As you know, I have very fond memories of my good friend and fellow rover and microwave enthusiast, Bill Seabreeze, W3IY. To be acknowledged by the Packrats in this way is very moving and highly appreciated...

Again thanks, and as Bill often said "listen for the weak ones!"

73

Brian, "the rover" ND3F



Key Stocks Go Bust

New FCC Ruling Creates a Surplus Glut

E-Bay has been flooded with thousands of sellers of manual Morse code keys and electronic keyers since the change of licensing regulations for amateur licenses. Bids for these items are virtually negligible, as owners of these relics seek to unload their gear that's no longer in use. Key collectors are scrambling to collect the bargains, in a vain hope that they can house these relics in their home-made museums. Companies that featured electronic keyers and memory keyers have ceased manufacture of these items, laying off both engineers and assembly technicians. Even major radio gear manufacturers are now redesigning updated transmitter, receiver and transceiver models, replacing the CW mode position with DIGITAL, and modifying the previous "key" jack to now accommodate DIN plugs, USB plugs and there are plans to allow docking with cellular phones, cameras and other digital storage devices.

The result of the FCC elimination of the Morse code requirement for licensing caused the stocks of the manufacturers to fall precipitously, and the future of many of the companies that were major suppliers may be in doubt. Another possible side effect of this sea change may be the resurgence of homebrewing, at least until manufacturers can ramp up their design and manufacturing to accommodate the changes. The conflict will develop when the experienced OT's, who championed CW are called upon to Elmer the newcomers in the digital age.

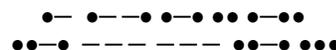
Can old dogs be taught new tricks? That is the question being asked across the spectrum of radio journals and internet chat boards. Many senior operators, accomplished in their CW achievements have denigrated the breakthrough developments of digital communication. Digital age gurus have thumbed their noses at the nay-sayers, and moved forward with their programming and hardware development. The SDR (software defined radio) appears to be here and moving more into the mainstream, along with HD radio and HDTV. FSK441 and its variants, along with the suite of WSJT programs have hit the airways (and the moon) in a big way. There are more computers attached to radios than ever before, and more microprocessors being built into rigs. And, of course, all the programming is built into these rigs and adjacent



computers to both send and receive Morse code, without the need for the human ear to decode—just keep those LEDs flashing.

Wreaths are being laid at Morse's grave, and authors are penning more books and articles about the use of the antiquated code as it facilitated international relations, relayed significant military information, helped hams get acquainted around the world, aided in rescues of vessels in distress, and spawned other communication modes and languages. Future generations will look back at the 13WPM benchmark, and the 20WPM "reach" and shake their heads at how slowly we exchanged information. OT's in their rockers will reminisce about how they passed their code tests, mastered a bug, and whose fist send the best CW. Whatever the future of communications is, change will certainly be part of it. There will always be time for a leisurely chat, or a brief contest exchange. Just how it will be done remains to be seen, as change is a constant.

This special April article may not have been published exactly on time to meet the deadline of the first of the month, but is well placed to bring sufficient adulation to some, agitation to others, aggravation to yet a few, and admiration from one or two. Before the key-collector craze gets cold (you can buy Cabbage Patch dolls or Beanie Babies for cents on the dollar now) cash-in quickly!! "bury me with my key—I'll say 73, Sammy FB"



Finding Some Goodies at Local Club Auctions

In the past two months I made it to some other clubs' meetings for their annual auctions. I always have my eye open for a few VHF bargains. Of course, I could have kicked myself for not picking up an item or two that went inexpensively. And you'll never see a similar item again at that price. Oh, well!

Some of the things I did pick up at Warminster were ideal for my rover. One of their members apparently exchanges all the gel-cells in medical electronic gear periodically and brings a nice assortment of gel cells for free distribution. I picked up a matched set of four 12V-16AH cells to be able to have extra power for some 24V needs in the rover. I'm sure that if you are in need of batteries, there's plenty more available, in all sizes from about 4AH to 24AH. I also picked up a reel of #10 stranded wire that I'll use to run the 12VDC to my 1296 amplifier that will be mounted on the EME feed. I think I paid the same for that 100' as I would have for 5' at a store. One last item that complements my spare 222 FM rig was a 222 mag-mount loaded whip that went for a few bucks.

I noticed several other Pack Rats there, also increasing their hoards with periodic purchases. I guess if you are a good technician and have the heart to sell on eBay, there's plenty of vintage gear that seems to go cheaply, and once repaired or cleaned up can yield a bit of a profit on resale.

Last week, Michael, KB1JEY and I trekked out to the RF Hill auction. You could have bought a working Swan 250 (all band 6m tube rig) for \$75, a 3 el 6m beam for \$15, an 8 el 2m beam for \$25, and a nice homebrew 432 long boomer went unsold. ICOM hats seemed to be the rage, as they continued to pop up about every 5 minutes and get \$4 bids. Michael came home with a nice MFJ tuner and a signal generator, both for the right price. No boat anchors to sneak into the basement. KU3A and N3EXA were also there, selling and buying. It was nice to make connections with some of the other clubs in the area, and compare notes. Rick, K1DS

N3FTI LPT KIT

For band switching from your logging program using the computers printer port the PACKRATS are offering the LPT KIT.

This kit can be purchased complete with all needed components or as a bare board with you supplying all your own bits and pieces.

For the **BARE BOARD** \$25.00

For the **COMPLETE LPT KIT** \$75.00

To order yours by e-mail send payment by PAYPAY to w3km@verizon.net. With you complete street address for UPS delivery. Sorry no COD's

Kits can also be ordered for pick up at a PACKRATS regular of Board meeting.

PACKRATS LOGO SHIRTS

If you didn't get a Pack Rat shirt the first time, now's another chance to order one. The polo pocket shirts are available in Burgundy or Navy Blue.

| | |
|-------------------------------|---------|
| SHIRT with PACKRATS LOGO | \$17.00 |
| Add NAME & CALL | \$ 5.00 |
| Add for shipping to your home | \$ 5.00 |

e-mail rick1ds@hotmail.com

with your size: **M L XL XXL**

If personalized please provide your exact name and exact call

Make checks payable to Mt Airy VHF Radio Club

Allow 3 weeks for delivery – We will attempt to have each months orders available for the PACKRATS meeting the 3rd Thursday of the month which will save you the cost of shipping to your home

Joel Knoblock W3RFC

www.therfc.com

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WZ1V BEACON LIST continued

| | | | | |
|---------|----------|--------|-----------------|----------------------------------|
| 222.050 | W0PW | EM26 | MO Neosho | 10W to turnstile at 1150' asl. |
| 222.050 | WA2UMX | FN23xc | NY Providence | 25W + 2 Big Wheels 1620'ASL |
| 222.052 | N6XQ | DM12jr | | 1W to 6 el yagi pointed north. |
| 222.052 | VE1AEE G | FN74 | NS Lake George | heard 9/06/05 |
| 222.052 | XE2ERD | DM10 | | 6 el yagi pointed north. |
| 222.053 | KOHTF | EN31do | IA Des Moines | Gnd plane |
| 222.055 | W0ETT | DM79ch | CO Como | 30W to wheel 9500' asl. |
| 222.055 | W6TOD | DM15dx | CA Ridgecrest | 20W pair Bigwheels 2400' asl |
| 222.057 | VE1SMU G | FN74os | NS Lake George | 10W yagi pointed WSW |
| 222.057 | W2RTB | FN12ar | NY Victor | 3W+eggbeater @450' asl de K2ERG |
| 222.057 | WD4GSM | EM86qv | VA Wise | 300mW to turnstile at 4200' asl |
| 222.060 | AA5C | EM13se | TX DFW | 8W to dipole @ 45' |
| 222.061 | W0ZQ | EN34it | | 18W to turnstile @ 60'. |
| 222.066 | W3CCX | FM29jw | PA Philadelphia | 4W to single loop @ 435' |
| 222.068 | K4IDC | EM76ma | TN Mt. Juliet | 3.5w to omni loop |
| 222.072 | K3DEL | FM28fn | DE Sussex cty. | 2W yagi beaming NE |
| 432.180 | K0UO | EM07sa | KS Kiowa | 3W 1810' AGL |
| 432.283 | KJ6KO | CM88ws | CA Bald Mtn | 20W 10el pointed 145 deg 750'MSL |
| 432.294 | W3CCX | FM29jw | PA Philadelphia | 5W to Big Wheel @ 435' |
| 432.297 | K3DEL | FM28fn | DE Sussex cty. | 5W to yagi @ 135'. |
| 432.298 | K4IDC | EM76ma | TN Mt. Juliet | 12w to omni loop |
| 432.299 | W2UHI | EN63vb | MI Grand Haven | 10W omni |
| 432.300 | K6ER | CM87sv | CA Sausalito | 2W horizontal 1125' amsl. |
| 432.300 | VE1AEE G | FN74 | NS Lake George | heard 9/06/05 |
| 432.300 | VE4ARM | EN09jw | MB Austin | 20W to 3el yagi @ 53' to SE |
| 432.300 | W4CHA | EL88 | FL | 25W to bigwheel broadcast tower |
| 432.303 | KW2T | FN13 | | 0.25W FSK |
| 432.305 | W2RTB | FN12ar | NY Victor | 3W+Eggbeater @450' asl de K2ERG |
| 432.307 | WA4PGI | FM07bw | VA Covington | 5W+crossed dipoles,+/-5KHz |
| 432.309 | WA4ZTK | EM85ar | | 0.9W+yagi to northeast |
| 432.310 | NE8I | EN82jm | MI Beverly Hill | Temporary? |
| 432.313 | K7RAT | CN85ss | WA Battleground | 200mW to horiz loop @ 30'. |
| 432.313 | W3VD | FM19ne | MD Laurel | 7W+turnstile QSL N4GYN |
| 432.315 | K4DOS | EL96we | FL Ft Lauderdal | 20 watts H. Loop @ 30' |
| 432.328 | VE2CLO | FN35 | Montreal | 10W + 2x12 yagis south/west |
| 432.339 | VE1SMU/H | FN84 | NS Halifax | per K1GVM & WZ1V |
| 432.347 | WD4GSM | EM86qv | VA Wise | 4200' asl. |
| 432.348 | VE1SMU G | FN74os | NS Lake George | 10W yagi to WSW heard 7/27/02 |
| 432.350 | KOHTF | EN31do | IA Des Moines | J-pole |
| 432.352 | WA4IOB | EM73 | GA Snellville | 2W to 4 dipole omni array |
| 432.360 | K0RZ | DM79jx | CO Boulder | 2W 10dBi N and 2W 10dBi SE |
| 432.360 | W0ETT | DM79ch | CO Como | 30W to wheel 9500' asl. |
| 432.380 | W5HN | EM13kf | TX DFW | 0.5W to square loop @ 280' |
| 902.380 | W5HN | EM13kf | TX DFW | 6W to Alford slot @ 280' |
| 902.550 | N2NEP | FN13da | NY Henrietta | 10W + Big Wheel |
| 902.989 | KA8EDE | EM89ap | OH Xenia | 5W to dipole @ 90', 985' asl. |
| 903.050 | W3VD | FM19ne | MD Laurel | QSL N4GYN |
| 903.055 | WA1ZMS | FM07fm | VA | 100W to Turnstile 4200ft AMSL |
| 903.060 | K1TR | FN42iv | NH Derry | 15W bigwheel @ 100' |
| 903.073 | W3CCX | FM29jw | PA Philadelphia | 5W to Littlewheel @ 435' |
| 903.073 | WD4GSM | EM86qv | VA Wise | 5W to Horizontal Loop 4200' asl. |
| 903.082 | K3DEL | FM28fn | DE Sussex cty. | 8W looper beaming NE |
| 903.085 | K3SIW | EN52xb | IL Schaumburg | 30W to corner refl aimed East |
| 903.300 | VE1SMU/G | FN74os | NS Lake George | 10W yagi pointed WSW |
| 903.310 | VE2CLO | FN35 | Montreal | 10W + corner refl. 10dB SW |
| 903.714 | NU7Z | CN87 | WA Seattle | Standard gain ant. |

WHATS HAPPENING

A LISTING OF INTERESTING EVENTS

7 APRIL 2007 MICROWAVE ACTIVITY DAYS (MAD) - Established several years ago by the late W3IY—Bill Seabreeze—MICROWAVE ACTIVITY DAYS were started to encourage activity on the bands above 2 meter. Setting aside one specific day each month give the experimenter and rovers time to try out new equipment when they know someone else may be on the air.

9 APRIL 2007 SPRING SPRINTS START ON 144 MHZ -7 to 11 PM Local time

See the announcement in March issue

12 APRIL 2007 MEETING OF THE PACKRATS BOARD OF DIRECTORS , at the QTH of W3KKN Ernie Kenas. Willow Grove, PA. Tele-conferencing is available.

17 APRIL 2007 SPRING SPRINTS CONTINUE ON 222 MHZ -7 to 11 PM Local time

19 APRIL 2007 MEETING OF THE MOUNT AIRY VHF RADIO CLUB -Come out and welcome our special guest Jeff Kline K1TEO—Contester par-excellent -Jeff promises to share some of his strategy for his 20 years of winning contest performance.. Meet the Speaker dinner at 6 PM call KB3HCL for details.

20, 21 APRIL 2007 EASTERN VHF/UHF CONFERENCE - ENFIELD CT Contact Bruce K2LIV for details

24 APRIL 2007 SPRING SPRINTS CONTINUE ON 432 MHZ -7 to 11 PM Local time

15 MAY 2007 SPRING SPRINTS CONTINUE ON THE MICROWAVES AND MICROWAVE ACTIVITY DAY 6 AM to 1 PM Local time

6 MAY 2007 WARMINSTER AMATEUR RADIO CLUB HAMFEST At the Grange Fair Grounds in Wrightstown, PA VE Testing available.

10 MAY 2007 MEETING OF THE PACKRATS BOARD OF DIRECTORS—

12 MAY 2007 SPRING SPRINTS CONTINUE ON 50 MHZ 7 to 11 PM Local time

17 MAY 2007 MEETING OF THE MOUNT AIRY VHF RADIO CLUB *Special activities are planned for those who don't go to DAYTON.*

09-11 JUNE 2007 W3CCX/PACKRATS ANNUAL TRIP TO CAMEL BACK FOR THE JUNE VHF QSO PARTY—Plan on joining us for the unique experience this weekend offers in testing your technical and operating skills. The comradarie and food are also terrific

30 SEPTEMBER 2007 PACKRATS HAMFEST—Plan on being there to help and do some shopping too

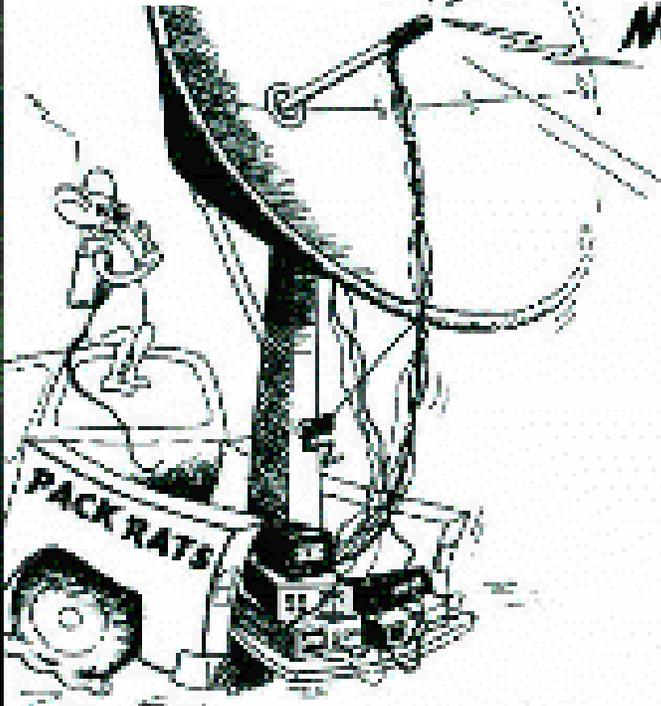
19-20 OCTOBER 2007 MICROWAVE UPDATE RETURNS TO PHILADELPHIA.

This is a multi club event and we are looking for full participation from the PACKRATS to make this the very best MUD ever. When called please take the challenge. Co-Chairs are K3TUF and KB3HCL.

All meetings are announced on the regular Monday Evening Nets. (See Page 2) - Board meetings of the Mount Airy VHF Radio Club are open to all members. Teleconferencing for members is usually available. Regularly scheduled meetings of the PACKRATS are held at 8 PM in the basement meeting room at the Southampton Public Library on Street Road in Southampton, PA. Meetings are open, not only to the membership, but to any party interested in VHF/UHF/Microwave contesting, equipment design and construction for use on the VHF/UHF and Microwave Frequencies or amateur radio in general.

CheeseBits
c/o Doc Whitticar W3GAD
28 Twining Bridge Rd
Newtown, PA 18940-9704

MEETING NOTICE

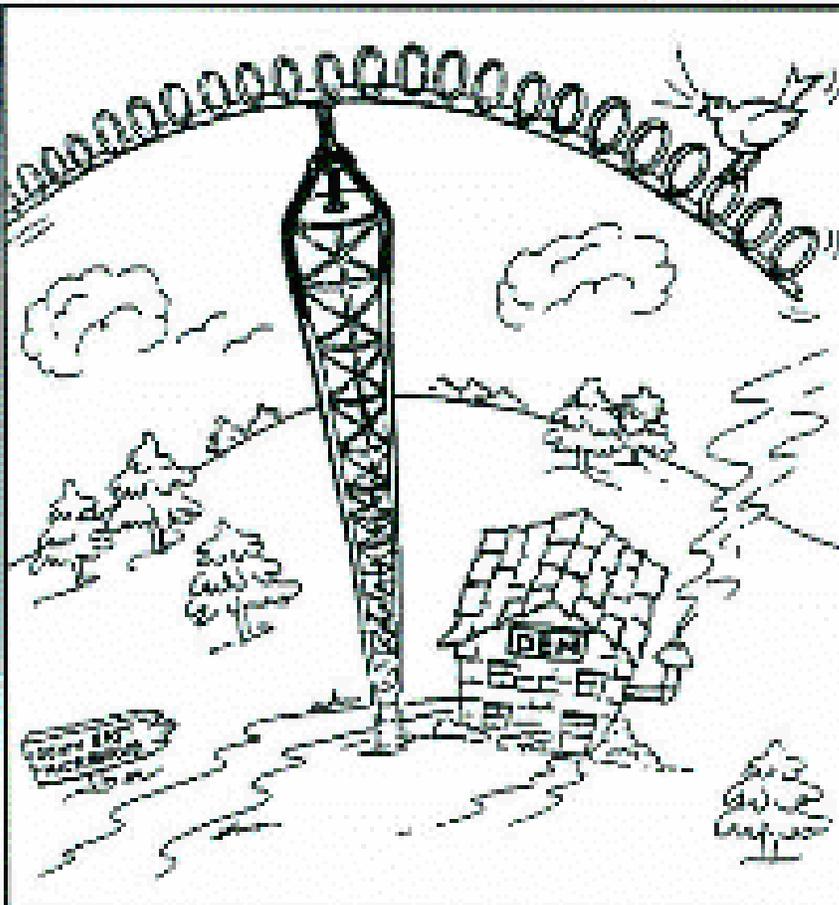


LOOKING AHEAD:

INSIDE:

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