



CHEESE BITS

W3CCX
CLUB MEMORIAL CALL

ARRL
Affiliated
Club



PROUD SPONSOR OF MICROWAVE UPDATE 2007

Volume XLVIII

JULY 2007

Number 06

PREZ
SEZ



Everything has a sinusoidal curve. Things start, move upward, reach a peak, and then seem to head downward, eventually reaching a low point and then rebounding. Some items have greater amplitude; others have a different frequency or period. Some are symmetric, while others are irregular. Such is the life of the club, and our activities. While certain things are peaking, others are bottoming out, and there are a number of frequencies and mixers that produce both additive and subtractive results, as well as harmonics, and occasionally, interference. I'm sure that each of you can think of many features of the club and your relationship with it that are somewhere on such a cycle.

With your support, in my fourth year as president of the club, I would like to do what we do best, tune things up, peak the output, increase sensitivity and selectivity, and operate a club that continues to deliver new challenges and great satisfaction to its members. I am grateful for the positive feedback to the elected officers, and their willingness to serve again for 2007-2008. I am also extraordinarily

indebted to those members who give their time and energy to support our club activities and make them a continuous party of social, VHF-UHF and microwave events.

Hats off to Steve KF6AJ and Al N3ITT for pulling off another great June VJHF QSO Party weekend, and to the other "big players" for their contributions: Doc W3GAD, John KB3XG, El K3JJZ, and Bill K3EGE. Many thanks for behind-the-scenes help from Lenny N3NGE, Phil K3TUF, Bruce WA3YUE, Warren WB2ONA and Bob W3GXB.

Dozens of other Pack Rats were there to load and set-up, lend support, operate, take down and store the gear again for the next outing, and all of you are well appreciated. Thanks also to our guest ops that filled in with the club team. The search is on now for next year's band captains, and we need commitments to build our capabilities for 2008. What is your expectation of how you will contribute? Make your thoughts known, so that we can plan effectively with the longest possible lead-time. We are also seeking aluminum tower sections and crank-up towers and trailers to facilitate ease of set-up for future efforts.

I'm sure that all the attendees at the June meeting at Otto's had a great time chatting about the results of the contest, the recent 6m Es openings (to Hawaii from east coast) and electing our officers again, and welcoming our two new board members, Tom KA3FQS and Michael KB1JEY. I could also see by the collective bill, empty plates and mugs that there was plenty of food and grog enjoyed. C U all at Gary's WA2OMY for the White Elephant Auction. Bring your stuff and your cash. There will also be a Board meeting at 6:30 prior to the event—details via email. Remember to sign up for MUD at www.microwaveupdate.org 73, Rick, K1DS

Pack Rats **CHEESE BITS** is a monthly publication of the
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 MUD 2007 K3TUF phil@k3tuf.com
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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

TIME	FREQUENCY	NET CONTROL
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

"Good things come to those who wait"

You have waited and, well, I hope CheeseBits is a good thing.

This has been a very crazy summer with unexpected trips, health issues and many other things happening in my life making it very difficult to focus on CheeseBits. For this I must apologize.

We have hinted here that a new editor would be appreciated as my working 2 jobs leaves me in a very unpredictable position when it comes to getting your newsletter published in a timely manner.

With no one rushing forward with computer in hand to take the reins I guess I will continue to do the best I can to give you a meaningful and informative newsletter. I try to keep the information fresh so we do not wind up sending you the same "boiler plate" newsletter every month.

We continue to receive an occasional article from our members and I sometimes spot good stuff on the microwave reflector or one of the other newsletters we receive. Look for another adventure from W3SZ next month.

If I misspell a word or use the wrong word don't be bashful let me know. The computer is not 100% reliable with spell check. If you spell the wrong word correctly it lets it pass.

On the operating side I got to do a brief stint on the UHF contest and have had little or no time since for any serious operating. The station will be "OFF THE AIR" for a few weeks while we do some major rearranging of feed lines to accommodate renovations to the outside of the QTH.

MUD 2007 is really shaping up to be a super event with almost sold out reservations for the banquet and over 100 attendees for the conference from overseas as well as the USA and Canada. I hope you don't miss out on the learning fun experience MUD offers.

I will be trying to boost activity for the September and January contests by giving a presentation at the Warminster Radio Club meeting on 6 September.

*Listen for the
 WEAK ONES
 73
 W3GAD Doc*



JUNE 2007

What a Weekend!

Was the June W3CCX effort a success? Unquestionably YES! So what defines it as a success? The teamwork of a dedicated group of hams that are members and friends of the club to setup several tons of radio gear and antennas to put a twelve-band effort on the air and have the W3CCX call appear more than a thousand times in the logs of our VHF-UHF and microwave brethren around the country, and on a few off-shore islands.



Were there problems? Unquestionably YES! There were radio operation issues, so that some bands were not ready on the air at 2PM on Saturday. But they were solved with the systemic work of a highly proficient technical team. There were difficulties in keeping the LAN and WriteLog going at the start of the operation, but with the dogged determination of our computer, networking and software gurus, they were managed. Difficulties did develop on some microwave bands during the weekend, but they were managed with back-up gear. It was almost 90 degrees on the Friday that we loaded and set-up, but thanks to coolers full of refreshing liquids, we stayed hydrated. The power connection we used from the old snack bar was gone, but we worked around that with an additional 250' of 2/0 entry cable, and a plug-in Hubbell connector at the ranger cabin. There were a maze of guy-wires and ground stakes to avoid in the dark,

WHERE WERE YOU? DID YOU WORK W3CCX?

but thanks to the clip-on blinkers and covers to the stakes there were no injuries. There were winds and storms each night, but thanks to use of good jackhammer and guying, all the antennas and towers stayed erect. There were only six rats scheduled to help load at the barn, but mercifully additional hands appeared, and they were augmented by more at the mountain for set-up. And similarly, when we were all exhausted Monday morning, with little energy to disassemble and repack it out, a few additional folks joined the team to get us off the mountain about 12:30. We were all tired and seemingly hungry and thirsty all weekend long, but due to the diligence and effort by Doc, we all had full cups and bellies. , and , K1DS



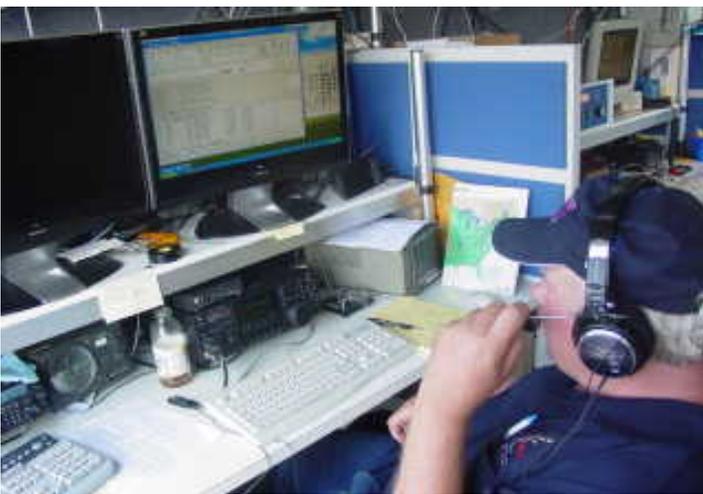
Microwave trailer and K1DS Add-on Rover



Sarah, KB3BBR home from college, working at the new console position for 432—looks pretty comfy



Drex, W3ICC Did a banner job keeping the 220 station on the air



Ron, WZ1V was just one of our guest operators. Ron is at the 144 MHz station and kept thing rolling nicely through the night with WSJT as well as lots of phone QSO's throughout the weekend

Such are the challenges every year, although they vary with weather, equipment and the support available from the club members. As we often say, there is no resting on your laurels, and we need to look forward to next year. The consensus of this year's chairpersons and the operating team is that we need more club members to step forward as band captains to be available for the operation, and without adequate guaranteed staff, we cannot pull off an operation of the size we have come accustomed to without you. Certainly we owe a debt of gratitude to our chairpersons, Steve, KF6AJ and Al, N3ITT for the leadership, muscle and equipment that they bring. And a round of thanks is due to their respective XYL's, Jen and Carol, who support their spouses in their efforts and all the time that they devote to getting so much ready to go. In addition, Steve supplied a 16' trailer that housed the stations for 144, 222 and 432, and he brought down big antennas for 6 & 2. In addition to everything he did in preparation, Al drove the big rental truck and rental trailer back and forth to the mountain.

Now on to many of those "behind the scenes" efforts. Power was distributed and cabled by Bruce, WA3YUE, Base band (the LAN) had Elliott K3JJZ gathering computers, routers, Ethernet cable and learning WriteLog at the tutelage of K3TUF. Six meters had a super trans-



It was with a heavy heart that Mike, KB1JEY gave up this spool of new power cable. He and his XYL were really glad to have a coffee table after all these years Hi! HI!



The ever vigilant K-9 Sugar kept a watchful eye on all the comings and going on the mountain. If you weren't careful she might have licked you to death "OH rub my belly please"

amp, thanks to Steve, KF6AJ. Two meters was similarly equipped by him, in addition with two super computer screens. 222MHz was mainly supplied by K3TUF with a new Lunar Link amp (supplied by KF6AJ), transceiver and transverter, and an FM Box from Bruce, WA3YUE. The 432 set-up was forwarded from Len, N3NGE and included the WORSJ amp. John, KB3XG supplied all the microwave equipment that filled the trailer lent by Warren, WB2ONA and was supplemented by the rover chaser and his gear, Bill, K3EGE. The Microwaves were manned all weekend by John and Ben, WA3RLT, while the antenna and dish setup was completed by Phil WA3NUF. Joe, N3NM was a guest tower climber and operator, who was very helpful in getting the tower work done, and supplied that very special tower jack tool. (The club needs to buy one of them.) Doc can't be thanked enough for planning the menus, buying and preparing the food and keeping the dining shack continuously stocked with drinks and munchies. In response to a request from last year, he also supplied a hot breakfast on Monday morning. Bert, K3IUUV was there to gather Laser QSOs. Rovers WA3GFZ, N1XKT and NE3I added QSOs and multipliers. Then there were the additional dedicated ops who spent the entire weekend close to the rigs, getting the QSO in the logs: Sarah KB3BBR, Drex W3ICC, and guest ops Jim N2NRD, Mike N3PUR, Joe N3NM, John N2NC and Ron WZ1V.

Extra hands were supplied by Michael KB1JEY, George KA3WXV, Lenny W2BVH, Joe K1JT, Harry W3IIT and Murph W0RSJ. Rich K2EVW was there helping throughout, along with his dog Sugar who kept watch over the entire operation.

Back in CT, KF6AJ had help with antenna testing, construction of the trailer/operating shack as well as loading of the trailer/truck by Joe AB1DO, Ken KD1DD and Bill N1PJG.

But is this really enough ham-power to continue to support the weekend? There is no doubt that we need additional pre-contest planning and procurement, dedicated band captains on the mountain for the duration, and enough hands to load, set-up, breakdown and unload. Too much heavy lifting and preparation is falling on too few members. Without a firmer commitment of more players for next year, the future of the operation may be compromised. Your thoughts and opinions are welcome. With a positive critical attitude, post your comments to the members on the reflector for further discussion. Rick



Food was plentiful and the cookin' wasn't to bad. With meal planning and preparations from Friday through Monday morning W3GAD still manages an occasional smile.



John, KB3XG and crew power driving tower stakes. With all that wind we lost no towers and stakes remained secure.

ANNOUNCING FALL SPRINTS

VHF Fall Sprints--CW/Phone/Digital, sponsored by the Southeastern VHF

Society as follows:

144 MHz--7-11 PM local Sep 17

222 MHz--7-11 PM Sep 25

432 MHz--7-11 PM Oct 3

Microwave--902 MHz and higher

6 AM-1 PM Oct 13

50 MHz--2300Z Oct 20 - 0300Z Oct 21.

Categories: Fixed and Rover.

Exchange: Grid Square. QSO Points: 1 pt/QSO.

Score is QSO Points x Grid Squares, score each sprint separately. Rovers add all grids worked from each grid.

For more information:

<http://www.svhfs.org>. Logs must be emailed or post-marked within four weeks of the contest. 144 MHz logs to svhfs-beacons@svhfs.org or Ottmar Fiebel W4WSR, PO Box 957, Hayesville, NC 28904. 222 MHz logs to w4zst@windstream.net or Bob Lear K4SZ, PO Box 1269, Dahlonga, GA 30533. 432 MHz logs to w4kxy@arrl.net or Jim Worsham W4KXY, 1915 Oak Wind Lane, Buford, GA 30519-6766. Microwave logs to w4dex@arrl.net or Dexter McIntyre W4DEX, 16164 Pless Mill Rd, Stanfield, NC 28163. 50 MHz logs to wa4njp@bellsouth.net or Ray Rector WA4NJP, 3493 Holly Springs Rd, Gillsville, GA 30534.

Records are made to be broken

SBMS breaks the 10 GHz Record 5 times and now may hold 2 distinctive records— One for the greatest distance using 10 GHz and the second may be for the N6CA's short duration holding the distance record.

Here is their story:

This weekend Miguel W6YLZ, Dan K6NKC, and Bernardo XE2HWB and I participated in the ARRL 10GHz and Up Cumulative contest from Baja California, Mexico, operating at two spots along the Baja Sur (south) coast. Miguel, Dan and Bernardo set-up on the Vizcaino Peninsula in DL27, while I continued another 430km down the Baja coast to the small town of Puerto San Carlos in DL34wt.

San Carlos sits at the tip of a western bulge in the Baja Peninsula and has been visited by hams before, including Jack N6XQ and Chip N6CA who reported the reception of both two meter amateur and commercial FM stations during their visits there back in the mid 90s. Jack later returned with 10GHz gear and attempted to work an 800 mile path up the coast to Chip N6CA, Dave K6OW and myself set-up near Santa Barbara. 10GHz signals were not heard that day, but Jack worked Santa Barbara on 2meters which sparked this ham's interest in the path.

Now, more than ten years later, I visited San Carlos during the August microwave contest weekend hoping we could connect with one of the dozens of stations out in the field. It turned out to be a record breaking day and a half on 10GHz.

I made 53 10GHz contacts from DL34wt this weekend. The longest contacts were with Gary AD6FP at 1460km, then with N6CA and KH6WZ who were just a little closer in at 1448km. In fact, the NA 10GHz DX record was broken five times during the weekend, first by W6QIW at 1315km; then by N6CA and KH6WZ at 1320km, 1426km and again at 1448km; and finally on 8/19/2007 at 0845 with Gary AD6FP operating at CM96wa at 1460km (907mi) which should be the new NA 10GHz record. The AVERAGE contact distance for all 53 contacts was 1178km and the accumulated score on just two log pages is over 65k points!

I want to thank everyone who supported this effort, including the San Bernardino Microwave Society members who went out to the coast and into the hills, the fellows from the 50MHz and Up group in Northern California who came down and added to the success, to the hams who checked in with Miguel and myself on the hour on 40meters during the long trip down and back, and to our Mexican compadres Bernardo, Antonio and Dr. Levy of the FMRE. This was a group effort with shared rewards. My greatest pleasure comes from the participation and support we received from so many. Thank you all.

I encourage those who participated in this fun weekend to share here on the reflectors their recollections of these long contacts we made and see that your longer contacts get into the record book with sufficient details.

See you on the air, Frank
WB6CWN/4C2WH

KB3IB SK

Doc,

I am not sure if you heard that Gene Shillingford KB3IB passed away. I thought you might send out some notice to your group. Tim, KB3ZS

Bucks County Courier Times June 27, 2007 (abr)

Eugene A. Shillingford

Eugene A. Shillingford of Levittown

Eugene A. Shillingford died peacefully at home, surrounded by his loving family, on June 23, 2007.

He was born on February 8, 1923, in Philadelphia, Pa., to the late Eugene Cronin and Melvina Ashmore Shillingford. He was preceded in death by his brother, Elmer Shillingford.

He was a highly decorated veteran of World War II, having served in the 60th Infantry Regiment of the Army. His military assignments were in the European Theater and Africa.

He was the proprietor of Gene Shillingford and Sons, Inc., in Bristol, Pa., until his retirement in 1985, a member of the Motorcycle Industry Council (M.I.C.) and the Mt. Airy V.H.F. Radio Club, Inc.

Eugene is survived by his loving wife of 58 years, Anna Fedena Shillingford; his children, Nancy E. Shillingford, of Levittown, Eugene C. Shillingford and his wife Cynthia of Levittown, and Susan G. Coleman and her husband David of Reading; his grandchildren, Beth Ann, Jennifer, and Michelle. He is also survived by several nieces and nephews.

He was a remarkable and noble man, husband, father, father-in-law and grandfather. His family is honored to have had him as our friend, mentor, leader, and provider. Many friends, family, and neighbors were touched by his kind and gentle manner, and benefited by his generosity and helpfulness. We will deeply miss this man of noble character and excellence.

Memorial donations in Eugene's memory may be made to St. Jude's Children's Hospital for Research, 501 St. Jude Place, Memphis, Tenn. 38105.

PACKRATS NEWS ELECTION RESULTS

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Bill Shaw

Corresponding Secretary WA3EHD

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Dave Mascaro

Director 2008 K3JJZ

El Weisman

Director 2008 W2SJ

Bob Fisher

Director 2009 KA3FQS

Tom Fredricksen

Director 2009 KB1JEY

Michael Davis

Their e-mails are on page 2.

They were elected at the last formal meeting held at immediately after the June Contest. June 21st.

Other than 2 new directors all the officers are now serving at least their second term and many including the president are serving 4 years or longer in support of your club. I know we are all busy (just see how long it takes to get a summer CheeseBits). But we need the support of all the membership to help the PACKRATS grow.

Do your part in that growth and come to the meetings and participate in the many opportunities offered by this very active club. DE ed.

Joel Knoblock W3RFC

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BEACON LIST CONTINUED

3456.015 K3SIW	EN52xb IL Schaumburg	5W to 7dB horn aimed SE
3456.150 NQ2O	FN13ch NY	W Pair of Loopers to SSE @75'
3456.200 WA1VVH	FN42eq MA Pepperell	4w to 16 slot waveguide @ 145'
3456.206 W3CCX	FM29jw PA Philadelphia	5W to 16 slot @ 435'
3456.215 K6LEW	FM09rc WV North Mtn	Temp QRT 5W, 22 el wg slot
3456.325 W5HN	EM13kf TX DFW	20mW to Alford slot @ 280'
5759.945 K3SIW	EN52xb IL Schaumburg	5W to 7dB horn aimed SE
5760.077 WA4PGI	M07bw VA	5 Watts ERP
5760.196 W3CCX	FM29jw PA Philadelphia	5W to 32 slot @ 435'
5760.200 W4CHA	EL88 FL	2W to horn aimed NW on BC tower
5760.215 K6LEW	FM09rc WV North Mtn.	Temp QRT 5W, 22 el wg slot
5760.325 W5HN	EM13kf TX DFW	25mW to 6 slot WG @ 280'
10367.987 WA4PRR	FM18qq MD Sunderland	20mW omni 12 slot wg up 15 M
10368.045 K3SIW	EN52xb IL Schaumburg	1W to 2' dish aimed West
10368.062 W3CCX	FM29jw PA Philadelphia	0.5W to 32 slot @ 435'
10368.200 K5RMG	EM00xh TX Austin	1W 18 dB/180 deg sector horn east.
10368.200 WA1VVH	N42eq MA Pepperell	50mW omni 10 slot wg 340'.
10368.215 K6LEW	FM09rc WV North Mtn.	Temp QRT 5W, 22 el wg slot
10368.265 K1JCL	FN31us CT Coventry	200mW omni 16 slot horiz @ 190'
10368.265 K1FFK	FN32jp MA Adams	120mw to 2x8 slot wg 3500' asl
10368.270 N2YYU	FN32ce NY Blue Hill	100mw to 2x8 slot wg 700' asl
10368.275 NE8I	EN82jm MI Beverly Hill	Temporary?
10368.290 W3LPL	FM19lg MD Glenwood	20mW to 12 dB @ 190' CW
10368.300 KA1RMF	FN42kl MA Stoneham	1W to small horn pointed NW.
10368.300 NE8I	EN82jm MI Beverly Hills	160 mW to 2' dish at Chicago
10368.325 W5HN	EM13kf TX DFW	25mW to 8 slot WG @ 280'
10368.350 W4CHA	EL88 FL	W to horn aimed NW on BC tower.
10368.360 K0RZ	DM79jx CO Boulder	500mW 23dBi N and 50mw 21dBi S
10368.380 NT5NT	EM12px TX Dallas	1W 200 degree horn W 246' agl
10368.582 N4MW	FM17kn VA New Kent	50 mW 16 slot waveguide at 89'
10368.900 W3HMS	FN10ni PA Harrisburg	250mW 8 slot hor 1400 feet asl.
10369.150 AD6FP	CM97bl CA Fremont	50mW.
24192.100 W5HN	EM13kf TX DFW	1mW to 18 dB horn east @ 280'
24192.360 K0RZ	DM79jx CO Boulder	100mW 23dBi N
24192.380 N4FRE	EM13qd TX DFW	1.1W to 18 dB horn south @ 30'
24192.400 AA5C	EM13kf TX DFW	50mW to 12 slot WR-42 ant @ 48'.

TNX to all the contributors to this list. Please forward updates to WZ1V

The PACKRATS wish to thank Ron for his continuing efforts to keep these Beacon listings up to date.

Please note that at the higher frequencies the reported frequency may have changed. The 6 digit locations is usually reliable.

As Ron has noted—please forward any additions or corrections directly to Ron WZ1V

WHATS HAPPENING

A LISTING OF INTERESTING EVENTS

SPECIAL ACTIVITIES:

30 SEPTEMBER 2007— HAMA-A-RAMA 2007 JUST 3 SHORT WEEKS BEFORE MUD 2007 - OUR MAIN FUNDS RAISER—ALL HAND ARE REQUESTED TO PARTICIPATE. Middletown Grange Fair Grounds between 232 and 413 on Penns Park Road, Wrightstown, PA

18, 19, 20 OCTOBER 2007—MICROWAVE UPDATE 2007—HOSTED BY THE PACKRATS AT THE DOLCE OF VALLEY FORGE. RESERVATIONS ARE FILING QUICKLY SO MAKE YOUR COMMITMENTS NOW

OPERATING ACTIVITIES:

DATE	Event	Times
8, 9, 10 Sep 2007	ARRL September VHF QSO Party	1800Z Sat to 0300Z 10 Mon
15, 16 Sep 2007	ARRL 10 GHz and Up Contest	0600 Local Sat to 2400 Local Sunday
17 Sep 2007	144 MHz Fall Sprint	1900 to 2300 Local
25 Sep 2007	222 MHz Fall Sprint	1900 to 2300 Local

MEETINGS: [ATTENTION—IMPORTANT](#)

DUE TO CONSTRUCTION AT THE SOUTHAMPTON PUBLIC LIBRARY and unless noted in the listings below THE MEETINGS WILL BE HELD AT THE BENJAMINE WILSON SENIOR CENTER, 580 Delmont, Warminster. Just off Street Road across from the 5 ponds golf club.

11 SEPTEMBER 2007 BOARD OF DIRECTORS AT THE QTH OF KB1JEY, 533 Tennis Avenue, Ambler. PA PA

20 SEPTEMBER 2007 REGULAR MEETING OF THE MOUNT AIRY VHF RADIO CLUB - Joe Taylor K1JT will be presenting a tutorial and training session using a laptop and video presentations on WSJT. If there is sufficient interest Joe will then host a meeting at his home on October 6, 2007 for a hands-on live demonstrations of the WSJT software and his equipment building on the training session.

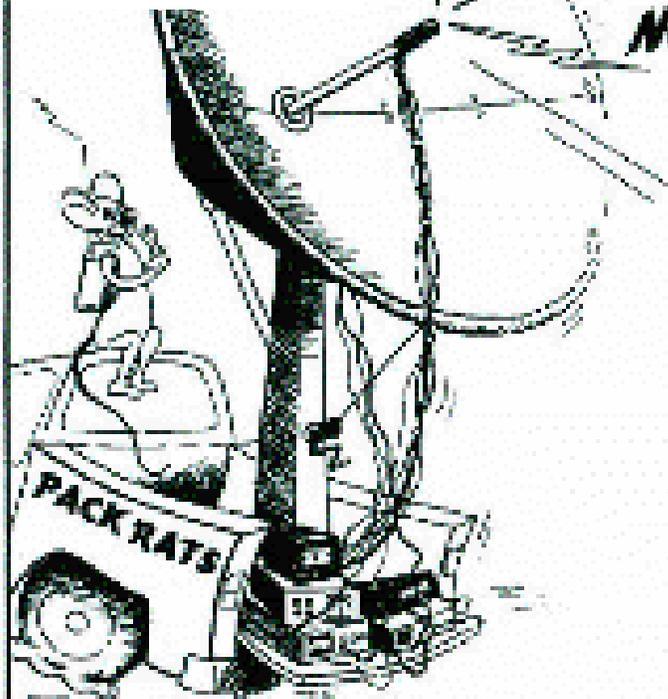
18 OCTOBER 2007 REGULAR MEETING OF THE MOUNT AIRY VHF RADIO CLUB -TO BE HELD AT THE DOLCE OF VALLEY FORGE ON US 202 JUST NORTH OF THE TURNPIKE EXIT— THIS IS THE FIRST NIGHT OF MICROWAVE UPDATE 2007 Phil Theis K3TUF will be making a presentation on Software Defined Radio (SDR) – the market place and what is available in this aspect of amateur radio.

18 OCTOBER 2007 REGULAR MEETING OF THE MOUNT AIRY VHF RADIO CLUB - George Altemus KA3WXV will be discussing Peripheral Interface Controllers and making a presentation on his experience constructing and using the PIC-EL Board with the PIC 16F628A - a Dayton 2007 acquisition.

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 PACKATS 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

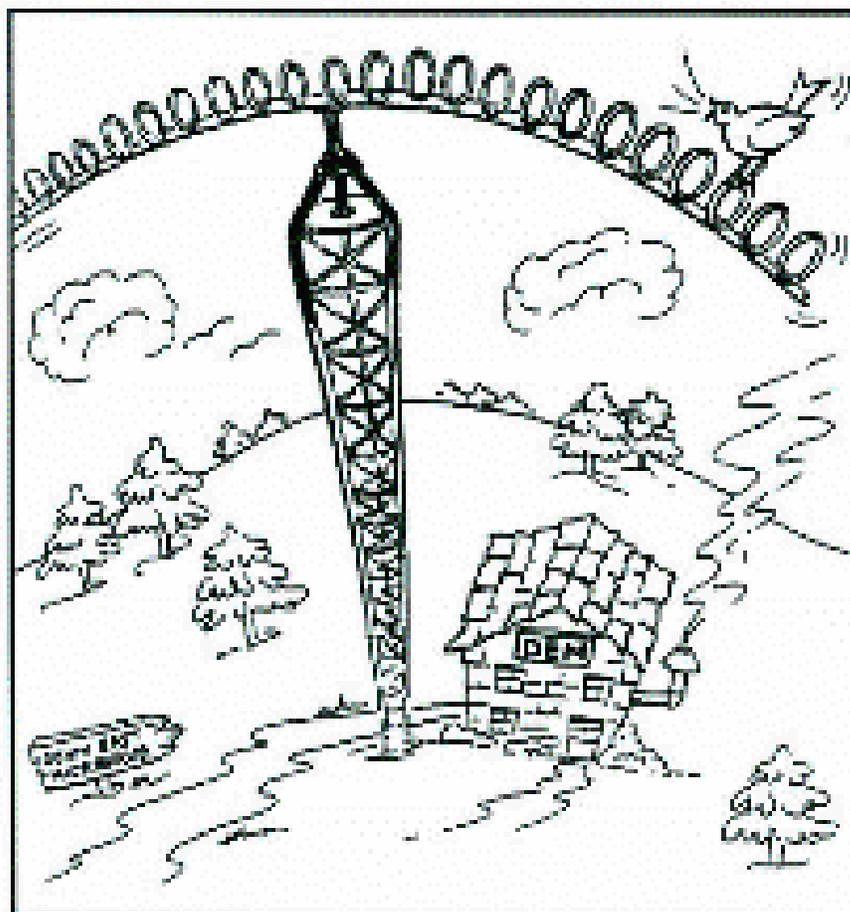
MEETING NOTICE



LOOKING AHEAD: MUD 2007
WSJT by K1JT at September meeting
INSIDE: June contest wrap up
Election results
10 GHz Distance record claimed
More beacon lists

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