# PACK RATS 5





MT. AIRY VHF RADIO CLUB, INC.

MT. AIRY VHF RADIO CLUB, "THE PACK RATS", PHILADELPHIA, PENNSYLVANIA W3CCX NET FREQUENCIES: 50.125, 144.150, 222.125, 224.58/222.98, 432.110, 903.100, 1296.100 MHz AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

Meetings: Third Thursday of each month at 8:00 PM

Southampton Free Library, 947 E. Street Road

Southampton, Pennsylvania 19866

VOLUME XXXIV

MARCH 1992

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NUMBER 3

#### THE PREZ SEZ

I open this month's column with the sad news that Harry Stein, W3CL, became a silent key on February 18, 1992. He will be missed by all of us who knew him. I want to take this opportunity to extend our deepest sympathy to the Stein family.

The sad news of Harry's passing tempered the Crying Towel meeting that is held each year just after the January VHF contest. Congratulations to the crew of W3CCX/3 for winning the 1992 award. From what I remember of the tale, I don't think that Murphy was to be blamed. Apparently their multi-op station sufferred from rotator hang-ups and preamp failure. We all enjoyed the stories of the evening and most important, we each have an opportunity to learn from the troubles encountered. I won two crying towell awards before I learned that Murphy will strike without warning! It's been made quite clear to me that Murphy won't even spare his own relatives... even on my side of the family!

At the February meeting, we discussed a proposed Constitutional amendment that club administration would like to have you vote on. The details of the ammendment appear in this issue of Cheese Bits. PLEASE COME TO THE MARCH MEETING TO VOTE. We must have a quorum together to act on this very important matter of club business. The March meeting will also be our annual Homebrew Night. Come out to see all of the equipment and projects built by Pack Rats. I promise to keep the business portion of the meeting very short.

73, William T. Murphy WORSJ -- FN20JR

MARCH MEETING PROGRAM: Annual Mt. Airy VHF Radio Club HOMEBREW NIGHT. Yes, Pack Rats do still build their own gear. Why? Because they build it BETTER. Come out and see a fresh variety of home-constructed gear which the Japs would feel lucky just to have a photograph of. We guarantee you'll be enlightened and inspired.

#### CALENDAR OF COMING EVERYIS

#### By Harry Brown, W3IIT

#### MARCE

- York Ham and Computer Springfest at the Dover Pirehall, Dover, Pa. VE exams will be given. Talk-in: 146.37/.97
- 4 Ash Wednesday
- Shore Points ARC "Springfest 92" at Holy Spirit High School, on Rt. 9 1/2 mile south of Rt 30 in Absecon, NJ. VE exams - contact Dick Wells, KE2HQ (908) 479-6395 for registration. Talk-in: 146.385/.985
- 7-8 ARRL International DX Contest (phone). See Dec '91 QST page 98 for rules.
- Splitrock ARA and West Morris Wireless Society Hamfest will be held at the Morris Catholic High School, Denville, NJ. VE exams. Talk-in: 146.385/.985, 223.86/.26, and 146.52
- Pack Rat Board of Directors meeting at the QTH of Pat Cawthorne, WB3DNI Meeting starts at 8:00 PM. Call 215-672-5289 for directions.
- Cherryville Repeater Association Hamfest at the Hunterdon Central High School field house, Flemington, NJ. VE exams. Talk-in: 147.975/.375 and 146.52
- 17 St. Patrick's Day
- Pack Rat general membership meeting at the Southampton Free Library on Street Road. The program will be the annual Homebrew Night. Bring your successes, failures and works in the process to share with all. You do not have to be a member to enter. All interested VHFers and microwave enthusiasts are welcome. Prizes will be awarded in several categories.
- 20 Death of Brendan, Dublin 1964
- Delaware Valley Radio Association Hamfest will be held at the Mercer Community College on Old Trenton Road in West Windsor, NJ. VE exams. Talk-in: 146.07/.67 and 146.52
- 27-28 Station WA3DFU will be operated by the Warminster ARC at the Union League to honor the soldiers that fought in the Civil War. Look for the special event on 14.275, 21.375, 28.375 MHz.
- 28-29 Baltimore ARC Hamfest at the Maryland State Fairgrounds. VE exams. Talk-in: 146.07/67

#### 1992 CLUB DUBS ARE DUB

Members of the Mt. Airy VHF Radio Club should please pay their club dues for the year 1992 immediately. Full membership costs \$10.00. Retired members pay \$5. Checks should be written payable to "Mt. Airy VHF Radio Club".

Send your payment to:

Dave Mascaro, Treasurer 1603 Mink Road Ottsville, Pa. 18942 Mt.Airy VHF Radio Club Inc. "THE PACKRATS" January VHF Sweepstakes Contest

LOGS SUBMITTED

#### A REMBERENCE OF HARRY B. STEIN, W3CL

Harry first saw the light of day on August 2, 1911 in South Philadelphia where he spent his childhood among his many friends and enemies - remember his wonderful tales of his childhood? Harry attended the Philadelphia school systems and graduated from West Philadelphia High School. It was here that he became enchanted with radio and in particular Amateur Radio. It was through an upper-classman who ran the Electric Club at the high school, Ed Keener. Harry and Ed were longtime friends and Harry always referred to Ed as his "Nemesis" because Ed intrigued Harry into his lifelong vocation - radio communications and electronics.

Harry went to work for the Radio Corporation of America (RCA) in the early '30's. About the mid-thirties, Harry and a number of his friends joined a Naval reserve unit at the Philadelphia Navy Yard. Perhaps many of you can enjoy reliving Harry's great tales of his adventures while on his various active duty assignments.

Those who associated with Harry knew he was an avid story teller with great detail. Many of us endured the tales many times, but never tired listening. The stories varied little each time told.

Harry married Sylvia September 24, 1939. They had two daughters, Florene and Marsha, lovely young ladies. Marsha gave Harry two grandchildren.

He was called to active duty as a Chief in the early 40's and assigned to the Cape May Point Naval Communications Station. Following duty there he was assigned duty as a Chief Warrant Officer in Brazil overdoing Naval communication at Belem and Racife. This tour of duty added to Harry's repertoire of tales and provided many hours of listening pleasure. He injured his knee while in Brazil and was returned to the Philadelphia Naval Hospital for rehabilitation. Upon his discharge from the hospital, he was assigned duty at the Navy Yard. When he was discharged from the Navy, he continued working as a civilian engineer in Naval airbourne communications. In 1947 he and his group were moved to the Naval Air Development Station, Johnsville, Pa. where he was Branch Head of the Communications Branch of the Radio Division in the Aeronautical Electrical Electronic Laboratory (AEEL) until he retired in 1972. During this time, the Naval Station became a Naval Center and many changes were made to the Laboratory. Harry's Branch included a number of Pack Rats - Dave Zimmerman, Ken Harrison, Mario Fontana, Jack Power and one who I remember as "Ted" (last name escapes me but he was a great cigar smoker, hi).

Harry was one of about ten hams who started the Mt. Airy V.H.F. Radio Club. He was President and a member of the Board of Directors. Along with many duties he assumed, he took over the Editorship of Cheese Bits about the mid-70's and was the father of each issue until 1989. Harry joined Quarter Century Wireless Association (QCWA) in 1958 as well as The Delaware Valley Chapter of QCWA. He chaired the Chapter from 1964 to 1966 and continued to be instrumental in the chapter's operation until his illness.

Harry was a member of the Masonic Order, the Ancient Accepted Scottish Rite and the Ancient Arabic Order of the Nobles of the Mystic Shrine of North America known to the laymen as the "Shrine".

Harry left us February 17, 1992 to partake of the radio contests from that great radio shack in the sky. We all hope he is as big a winner there as he was here on Earth. We'll miss you, friend, and he was, to us all.

#### PACK RAT LADIES HIGHT 1992

Ladies' Night 1992 will be held at Chateau Granieri's in Willow Grove, Pa. Cost will be \$17.00 per person. Music and dancing will follow dinner. This is our annual special opportunity to thank our ladies who support our radio fun.

#### SHOP SHOP

FOR SALE: AM6154 432 MHz linear amplifier. Uses 8930 final tube. 120/240 VAC

power supply. 16 watts input - 386+ watts output. Converted for

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Another AM6154, converted for 432 MHz, less tube, \$250.

CONTACT: David Hackford, N3CX Tel: 215-679-7293 (h) 215-483-2030 (w)

WANTED: Long-boom, high-gain, 223 MHz yagi. To improve my sig in/out of W3CCX/R.

CONTACT: Dave Martin, WB8ZAR Tel: 717-366-2220

FOR SALE: TOWER, 70ft crank-up. Tri-Ex HS-471. 4 sections, 440 lbs, 22ft nested

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to haul. \$300.

CONTACT: John Sortor, KB3XG

215-766-2643

FOR SALE: K1FO RF amplifiers for 432 and 220. 11 el 6M yagi, 50ft boom. 4 RIW 19el 432 yagis. 4 23CM loopers.

2 33CM loopers. 7 220 Boomer yagis.

CONTACT: Rick Connor, WC2K

609-268-0736

WANTED: 432 MHz RF amplifier, 500+ watts. Also need 4-way power divider, etc.

CONTACT: Woody Peitzer, AK2F, 10 Berry Lane, Randolph, NJ 97869

(201) 584-5709 (after 6:30 PM)

FOR SALE: W3CCX RIW-19 432 yagis, \$25 ea. W3CCX 903 loop yagis. \$25 ea.

These antennas are proven winners and in excellent shape.

CONTACT: David Hackford, N3CX

WANTED: Icom IC-290A or other 10-25 watt 2M multimode.

CONTACT: Harry Price, K3HZO 531 Carla Dr., Huntingtown, Md. 20639

FOR SALE: 20-meter linear amp, (4) 6LQ6's, 600W output w/pwr supply, \$50.

Heath SB-200 linear amp, immaculate condx, 1200W input, w/new

Cetron 572B tubes, AG6K parasitic suppressors, \$375.

CONTACT: Fred Munzenmayer, KB2BF 609-228-4580 (h) 783-4808 (w)

JOB WANTED: Position as electronics technician. Design and test experience in

high power, high frequency, solid state RF. AAS in Electronics Engineering Technology. Four years experience in electronic trouble-

shooting. Will supply complete resume. References available.

CONTACT: Thomas Collins, KY2T 689-298-6619

#### COMMERCIAL AD

LOOP YAGIS: 902 MHz 33 element \$89 kit, \$109 assembled and tested. 1296 MHz 45 element \$89 kit, \$109 assembled and tested. 1296 MHz 55 element "Super Looper" \$99 kit, \$124 assembled and tested. 2304 MHz 45 element \$75 kit, \$89 assembled and tested. Also available: element and hardware kits for above. 2 and 4-way power dividers. Discount on complete arrays. Solid state linear power amps, 13 VDC: 1296 - 8W in 35W out \$315, 1W in 20W out \$265, 4W in 70W out \$695. GaAs FET preamps: 902 MHz .8dB NF \$90, 1296 MHz .8dB \$90, 2304 MHz 1 dB max NF \$140. SHF SYSTEMS no-tune transverter kits, w/144 MHz IF now available for 903 through 3456 MHz. Write or call for complete catalog. DOWN EAST MICROWAVE, Bill Olson, W3HQT, Box 2301 RR-1, Troy, Maine 04907. For information and orders telephone (207) 948-3741.

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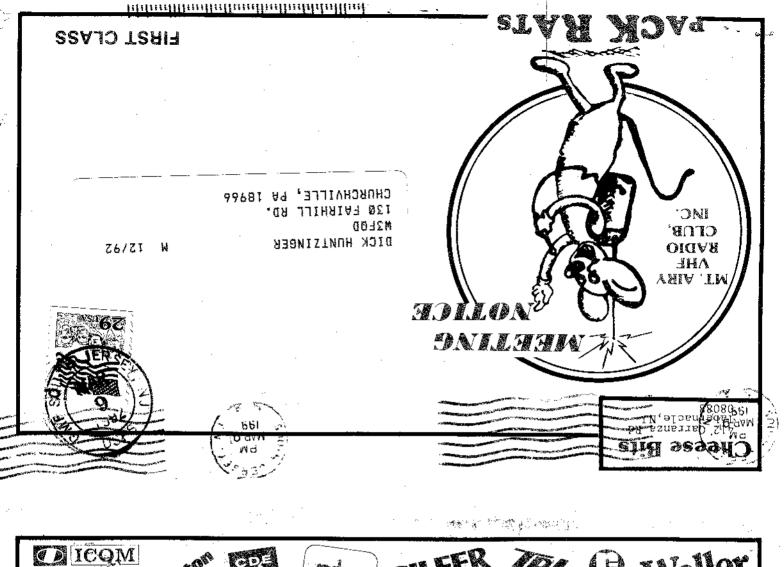
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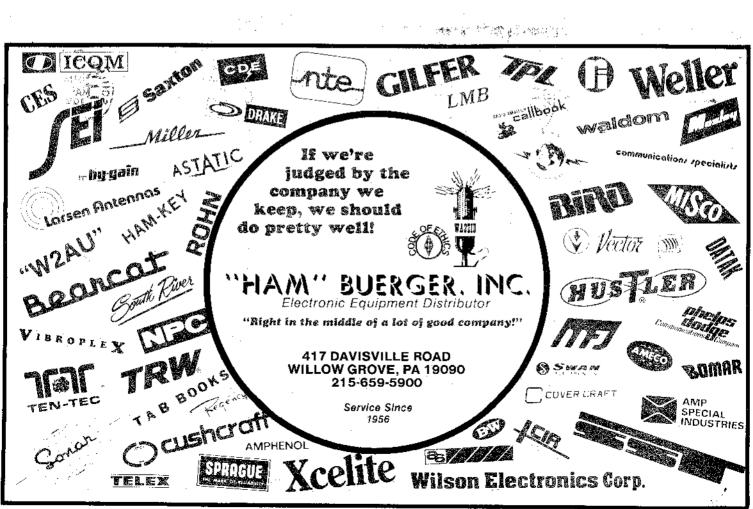
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MONDAY NIGHT NETS	NET CONTROL
7:30 PM - 50.125	K3EQD
8:00 PM - 144.150	W2EIF
8:30 PM - 222.125	WC2K
8:30 PM - 224.58/R	K3ACR
9:00 PM - 432.110	WASAXV
9:30 PM - 1296.100	WA3NUF
10:00 PM - 903.100	N3AOG

#### COMMITTEE CHAIRMEN

LADIES' NIGHT: WA3YUE 215-666-1558 JUNE CONTEST: N3CX 215-679-7293 HAMARAMA: K3EOD 215-742-3312 VHF CONFERENCE: KB3XG 215-766-2643



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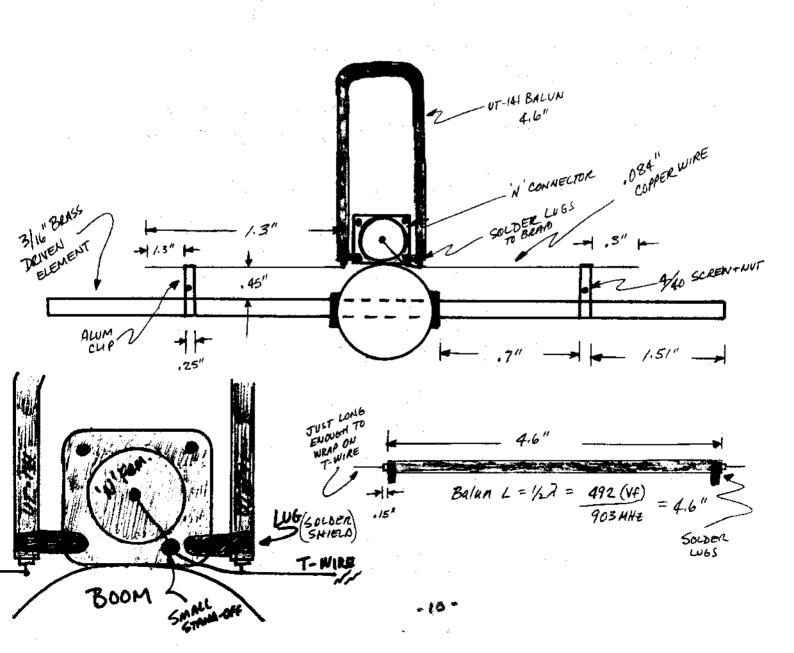


Lynne D. Whitsel

209 Frog Hollow Road Churchville, PA 18966 215 355-5730

#### 982/983 MHz DL6WU YAGI MATCH by Dave, N3CX

Hello all you 903 fans! I have been using DL6WU type yagis now for about 5 years. When I first put them up, I was in a hurry and settled for an SWR in the neighborhood of 1.65:1. I was never satisfied with this match. I don't have to tell anyone who builds gear that sometimes we do things that are not in the best engineering practices, Hi! (Right before the big contest it's hurry, hurry, hurry hurry, Hi!). The original feed was a folded dipole and I slapped it together with out trying different wire sizes and spacing — tisk, tisk! So I said to myself, let's do it right, if possible. Now that all the gear for 3.4 and 5.7 was built, we have some free time, Hi! Just sitting in the shack thinking about the 6.8% of my power being used to heat the finals was eating at me, Hi! With the mild winter that we've had, it was time to do some experimenting. The "T-match" is small but works really well — SWR at 903 MHz is 1.18:1 and it makes me feel better, Hi! I did the garden hose test and it's fine. That is all for now and get in touch with me if you want to chat or run some sked's... listen for the weak ones, 73.



### PROPOSED CHANGE TO THE MT. AIRY VHF RADIO CLUB CONSTITUTION

Change section (3) to section (2). Change section (2) to section (3). Add the following as section (4):

"If 51% of the voting membership does not attend the meeting at which the amendment is proposed, a proxy vote may be initiated by order of the president. Proxies shall be mailed to all voting members stating all the proposed changes Returns shall be sent to the president and remain sealed until the next meeting at which a re-vote is taken on the changes. Proxies will be opened and counted along with the results of the vote of the voting members present at the meeting. The proxies and the voting members present will be counted for the 51% quorum requirement."

Although several changes had been discussed, this is the only change under consideration at this time. Please plan to attend the March club meeting on 3/19 to vote on this important amendment. We need 35+ present to make quorum.

# HAMARAMA 1992 - GETTIN' READY ALREADY by Chairman Al, K3ECD

The contract for HAMARAMA '92 at Garden State Park has been signed. The date for Hamarama '92 is October 4, 1992. Let's all begin to spread the word. A new hamfest flyer is on the printing press and copies will be available in March. If you plan to attend any hamfests in the tri-state area, and would be willing to hand out some flyers, please let me know which hamfest and the amount of flyers you will need. WE MUST REMIND FOLKS EARLY OF OUR NEW LOCATION.

If anyone has access to a copy machine, and could duplicate some flyers for the club, please let me know as it would save the club funds which could be spent elsewhere.

If you would like to serve on any of the various HAMARAMA committees, or be a committee chairman, please let me know.

### REPLY COMMENTS: 222 MHz NON-REPRATER SUBBAND

The ARRL and a group of VHF operators have filed their replies with FCC in the League's strongly contested RM-7869 proposal for a non-repeater subband at 222.6-222.150 MHz. Repeater users are up in arms over the possibility that repeater spectrum may be reduced to permit use of other so-called "weak signal" modes. These modes include SSB, CW, EME, meteor scatter, or other systems that use less of the spectral resource than the dominant FM repeater usage. The dispute goes to the core of the role of volunteer frequency coordination in the Amateur Service, which occasionally pits entrenched users against experimenters. ARRL counted a total of 68 comments, of which 46 were opposed to change and 22 were in favor. "Almost without exception, those in opposition to the petition were filed by amateurs from Southern California," ARRL told the FCC. "Those in support of the petition were primarily not from California, but from various other areas of the country.

ARRL summarized the opponents' position "that the severe crowding in the 222-225 MHz band necessitates some variation from the national band plan, at least in Southern California. Some commenters claim that a 150 KHz subband at 222 MHz is too large, and would displace numerous repeaters now in operation ion that segment.

The commenters identify some 15-17 repeaters in southern California which would be displaced by the proposed subband; some of these have already been relocated from the 220-222 MHz segment. They express doubt that these stations could be accommodated elsewhere in the crowded 222-225 MHz band.

ARRL noted that its request for 150 KHz "seemed to be a reasonably small segment (5 percent of the total remaining band), and it appeared sufficient for weak signal operation." It now says, however, that a smaller subband may suffice and the actual size of the subband be the subject in a NPRM. TNX W5YI REPORT

## PROPAGATION REPORT by Bill Murphy, WORSJ

Our regular propagation editor, Paul Drexler WB3JYO, will be on furlough from the duties of this column as he and Naomi continue their busy schedule of work and home-renovation. We have enjoyed Paul's reports and look forward to his return to writing for Cheese Bits. Once he gets some antennas installed at the new home, he'll have propagation info available directly again. Until then, our active and dedicated president, Bill WØRSJ, will be reporting VHF and above activity and propagation. Please forward all information on what you've been working on the bands to Bill. Reports of activity and observations of propagation can be submitted to Bill via the Monday nets, by mail, or telephone. As we head into the action months for VHF/UHF, let's all keep this column interesting.

TNX, WC2K

The January Contest conditions were dismal on Saturday on all bands in our Mid Atlantic area until early Sunday morning. Conditions improved to above average for the remainder of the contest up to 1296 MHz. The upper bands, 2304 and 3456 and up still exhibited less than normal signal levels up to the end of the contest at my location FN20JR.

Six meters continues to be open with F2 to Europe being worked on the East Coast USA primarily in the morning. Most signals have been on CW and are extremely weak. Good transequatorial (TE) propagation is being worked in the southern lattitudes. I have been listening on 28.885 which is very helpful for tracking 6-meter DX paths. However I've also experienced good East Coast openings without any chatter on '.885. In any case, the F2 is primarily a daylight condition on 6. An Aurora was noted on 2-meters on February 24 which resulted from a solar flare yielding a K-index of 6.

## by Phil, WA3NUF

The scoring has been completed, the logs have been checked and mailed, and the PACKRATS have again qualified for the unlimited club competition with a total of 56 logs. Our final score is 1,463,070 points. Thanks to everyone who participated in another fine club effort. The TEAM competition results have been tabulated and the winner is Team #1 with a total score of 349,518 points. Award certificates for the winning team were presented at the Febuary club meeting. All of the comments heard so far about the TEAM competition have been very favorable. If you have any suggestions concerning the competition for next year, please let me know.

#### VHF SWEEPSTAKES INTER-CLUB TEAM COMPETITION RESULTS

	RAW SCORE	PARTICIPATION BONUS	NON-ACTIVE MEMBER BONUS	NEW BAND BONUS	TOTAL SCORE	
TEAM #1	348,518	Ø	Ø	1000	3 <del>49,51</del> 8	
TEAM #4	333,981	Ø	5000	3000	341,981	
TEAM #5	307,489	Ø	10000	2000	319,489	
TEAM #3	314,927	0	Ø	1000	315,927	
TEAM #2	145,597	Ø	5000	Ø	150,597	
TEAM #6	12,558	10000	Ø	Ø	22,558	

Congratulations to WØRSJ, N2NVT, N3CX, K3ESJ, WA3JUF, WB8ZAR, WA3IWT, and WB2ONA ... members of the 1992 winning team - TEAM #1.

#### W3CL SE

Harry, W3CL became a Silent Key on Tuesday, February 19, 1992. Harry was a great example of what the Pack Rats are all about. Harry was, without question, the most influencial member of the group in the club's history. The board's of directors have come and gone and changed over the years, but Harry remained the center of wisdom for the Mt. Airy VHF Radio Club. He was consulted on every issue and one of his greatest attributeds was his open mind in considering new directions for the club. Harry personally knew every member of the Pack Rats, every member from the beginning on. He was trusted, respected, and loved by his radio club and by the Amateur Radio fraternity who knew him.

Harry invested his time, unconditionally and without complaint, in many facets of our radio club. He was a co-founder, President for two terms, Health and Welfare Chairman, Membership Chairman, Editor of Cheese Bits, 6-Meter NCS, VHF contester, HAMARAMA club table worker, Conference registration worker, Club Historian, and in attendance of every Executive Board meeting until recently as his mobility decreased. Harry was a member of the York Road Radio Club, the QCWA, and he was a life member of the ARRL. It seems like every Ham in the Delaware Valley knew of W3CL. He was a kind husband and father and we had the pleasure of seeing the love within his family at his recent W3CL Roast and each year at our Ladies' Night Banquet. A few years ago, Harry received the Grand Ole Ham Award, issued by the Atlantic Division to "the Radio Amateur whose outstanding record merits recognition for lifetime contributions to the Amateur Radio Service". Harry leaves us with great memories of his sincere dedication to his friends and family, his great sense of humor, and the high standards of our radio club which he helped to create... and we should strive for.

Donations are being accepted to plant trees in Israel in Harry's name. Please contact K3EOD for more information.

\*\*\* \_ \*\*\*

#### WOTED TO MEMBERSHIP:

MIKE ANDRAYO, N2DEQ 20 Sheffield Lane Blackwood, NJ 08012 609-228-4274

#### CHANGE OF ADDRESS:

JOHN TATE, K3KTY 3130 CLAREMOUNT ROAD DOVER, PA 17315-4514

#### TID BITS

- -The February Crying Towell session was as entertaining as always with 20 members telling their tales of woe. The unanimous award winner this year is N3ITT, a member of the W3CCX multiop station. In spite of drilling through the house electrical wiring (nearly burning the house down), and driving over the mail box still managed to enter a score of 54K+ points.
- -Received a note from KSRTY who has moved to Dover, Pa. John plans to be active on 6 and 2 meters soon with 1KW on each band.
- -The Northeast VHF Society will move the location of their annual conference this year to Hartford Connecticut. N3CX spoke with Tom Kirby, WlEJ who is a main organizer of the event. The conference date will be May 23-24 and held at the University of Hartford. More specific info is expected soon. This is a great conference, traditionally held in Nashua, New Hampshire. The new location will make it much more attractive to guys from our area and south.
- -June VHF Contest Chairman N3CX reports a successfull first meeting in February. W3CCX crew members should be listening to the club nets for announcements of planned antenna construction sessions.

#### W3CL SK

Harry, W3CL became a Silent Key on Tuesday, February 19, 1992. Harry was a great example of what the Pack Rats are all about. Harry was, without question, the most influencial member of the group in the club's history. The board's of directors have come and gone and changed over the years, but Harry remained the center of wisdom for the Mt. Airy VHF Radio Club. He was consulted on every issue and one of his greatest attributeds was his open mind in considering new directions for the club. Harry personally knew every member of the Pack Rats, every member from the beginning on. He was trusted, respected, and loved by his radio club and by the Amateur Radio fraternity who knew him.

Harry invested his time, unconditionally and without complaint, in many facets of our radio club. He was a co-founder, President for two terms, Health and Welfare Chairman, Membership Chairman, Editor of Cheese Bits, 6-Meter NCS, VHF contester, HAMARAMA club table worker, Conference registration worker, Club Historian, and in attendance of every Executive Board meeting until recently as his mobility decreased. Harry was a member of the York Road Radio Club, the QCWA, and he was a life member of the ARRL. It seems like every Ham in the Delaware Valley knew of W3CL. He was a kind husband and father and we had the pleasure of seeing the love within his family at his recent W3CL Roast and each year at our Ladies' Night Banquet. A few years ago, Harry received the Grand Ole Ham Award, issued by the Atlantic Division to "the Radio Amateur whose outstanding record merits recognition for lifetime contributions to the Amateur Radio Service". Harry leaves us with great memories of his sincere dedication to his friends and family, his great sense of humor, and the high standards of our radio club which he helped to create... and we should strive for.

Donations are being accepted to plant trees in Israel in Harry's name. Please contact K3EOD for more information.

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#### WOTED TO MEMBERSHIP:

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#### CHANGE OF ADDRESS:

JOHN TATE, K3KTY 3130 CLAREMOUNT ROAD DOVER, PA 17315-4514

#### TID BITS

- -The February Crying Towell session was as entertaining as always with 20 members telling their tales of woe. The unanimous award winner this year is N3ITT, a member of the W3CCX multiop station. In spite of drilling through the house electrical wiring (nearly burning the house down), and driving over the mail box still managed to enter a score of 54K+ points.
- -Received a note from K3RTY who has moved to Dover, Pa. John plans to be active on 6 and 2 meters soon with 1KW on each band.
- -The Northeast VHF Society will move the location of their annual conference this year to Hartford Connecticut. N3CX spoke with Tom Kirby, WlEJ who is a main organizer of the event. The conference date will be May 23-24 and held at the University of Hartford. More specific info is expected soon. This is a great conference, traditionally held in Nashua, New Hampshire. The new location will make it much more attractive to guys from our area and south.
- -June VHF Contest Chairman N3CX reports a successfull first meeting in February. W3CCX crew members should be listening to the club nets for announcements of planned antenna construction sessions.

#### PROPAGATION REPORT by Bill Murphy, WORSJ

Our regular propagation editor, Paul Drexler WB3JYO, will be on furlough from the duties of this column as he and Naomi continue their busy schedule of work and home-renovation. We have enjoyed Paul's reports and look forward to his return to writing for Cheese Bits. Once he gets some antennas installed at the new home, he'll have propagation info available directly again. Until then, our active and dedicated president, Bill WØRSJ, will be reporting VHF and above activity and propagation. Please forward all information on what you've been working on the bands to Bill. Reports of activity and observations of propagation can be submitted to Bill via the Monday nets, by mail, or telephone. As we head into the action months for VHF/UHF, let's all keep this column interesting.

TNX, WC2K

The January Contest conditions were dismal on Saturday on all bands in our Mid Atlantic area until early Sunday morning. Conditions improved to above average for the remainder of the contest up to 1296 MHz. The upper bands, 2304 and 3456 and up still exhibited less than normal signal levels up to the end of the contest at my location FN20JR.

Six meters continues to be open with F2 to Europe being worked on the East Coast USA primarily in the morning. Most signals have been on CW and are extremely weak. Good transequatorial (TE) propagation is being worked in the southern lattitudes. I have been listening on 28.885 which is very helpful for tracking 6-meter DX paths. However I've also experienced good East Coast openings without any chatter on '.885. In any case, the F2 is primarily a daylight condition on 6. An Aurora was noted on 2-meters on February 24 which resulted from a solar flare yielding a K-index of 6.

## JANUARY VHF CONTEST WRAP-UP by Phil, WA3NUF

The scoring has been completed, the logs have been checked and mailed, and the PACKRATS have again qualified for the unlimited club competition with a total of 56 logs. Our final score is 1,463,070 points. Thanks to everyone who participated in another fine club effort. The TEAM competition results have been tabulated and the winner is Team #1 with a total score of 349,518 points. Award certificates for the winning team were presented at the Febuary club meeting. All of the comments heard so far about the TEAM competition have been very favorable. If you have any suggestions concerning the competition for next year, please let me know.

#### VHF SWEEPSTAKES INTER-CLUB TEAM COMPETITION RESULTS

TEAM #1	RAW SCORE 348,518	PARTICIPATION BONUS	NON-ACTIVE MEMBER BONUS	NEW BAND BONUS 1000	TOTAL SCORE 349,518
TEAM #4	333,981	0	5000	3000	341,981
TEAM #5	307,489	Ø	10000	2000	319,489
TEAM #3	314,927	Ø	Ø	1000	315,927
TEAM #2	145,597	Ø	5000	. Ø	150,597
TEAM #6	12,558	10000	Ø	Ø	22,558

Congratulations to WØRSJ, N2NVT, N3CX, K3ESJ, WA3JUF, WB8ZAR, WA3IWT, and WB2ONA ... members of the 1992 winning team - TEAM #1.

### PROPOSED CHANGE TO THE MT. AIRY VHF RADIO CLUB CONSTITUTION

Change section (3) to section (2). Change section (2) to section (3). Add the following as section (4):

"If 51% of the voting membership does not attend the meeting at which the amendment is proposed, a proxy vote may be initiated by order of the president. Proxies shall be mailed to all voting members stating all the proposed changes Returns shall be sent to the president and remain sealed until the next meeting at which a re-vote is taken on the changes. Proxies will be opened and counted along with the results of the vote of the voting members present at the meeting. The proxies and the voting members present will be counted for the 51% quorum requirement."

Although several changes had been discussed, this is the only change under consideration at this time. Please plan to attend the March club meeting on 3/19 to vote on this important amendment. We need 35+ present to make quorum.

# HAMARAMA 1992 - GETTIN' READY ALREADY by Chairman Al, K3ECD

The contract for HAMARAMA '92 at Garden State Park has been signed. The date for Hamarama '92 is October 4, 1992. Let's all begin to spread the word. A new hamfest flyer is on the printing press and copies will be available in March. If you plan to attend any hamfests in the tri-state area, and would be willing to hand out some flyers, please let me know which hamfest and the amount of flyers you will need. WE MUST REMIND FOLKS EARLY OF OUR NEW LOCATION.

If anyone has access to a copy machine, and could duplicate some flyers for the club, please let me know as it would save the club funds which could be spent elsewhere.

If you would like to serve on any of the various HAMARAMA committees, or be a committee chairman, please let me know.

### REPLY COMMENTS: 222 MEZ NON-REPEATER SUBBAND

The ARRL and a group of VHF operators have filed their replies with FCC in the League's strongly contested RM-7869 proposal for a non-repeater subband at 222.6-222.150 MHz. Repeater users are up in arms over the possibility that repeater spectrum may be reduced to permit use of other so-called "weak signal" modes. These modes include SSB, CW, EME, meteor scatter, or other systems that use less of the spectral resource than the dominant FM repeater usage. The dispute goes to the core of the role of volunteer frequency coordination in the Amateur Service, which occasionally pits entrenched users against experimenters. ARRL counted a total of 68 comments, of which 46 were opposed to change and 22 were in favor. "Almost without exception, those in opposition to the petition were filed by amateurs from Southern California," ARRL told the FCC. "Those in support of the petition were primarily not from California, but from various other areas of the country.

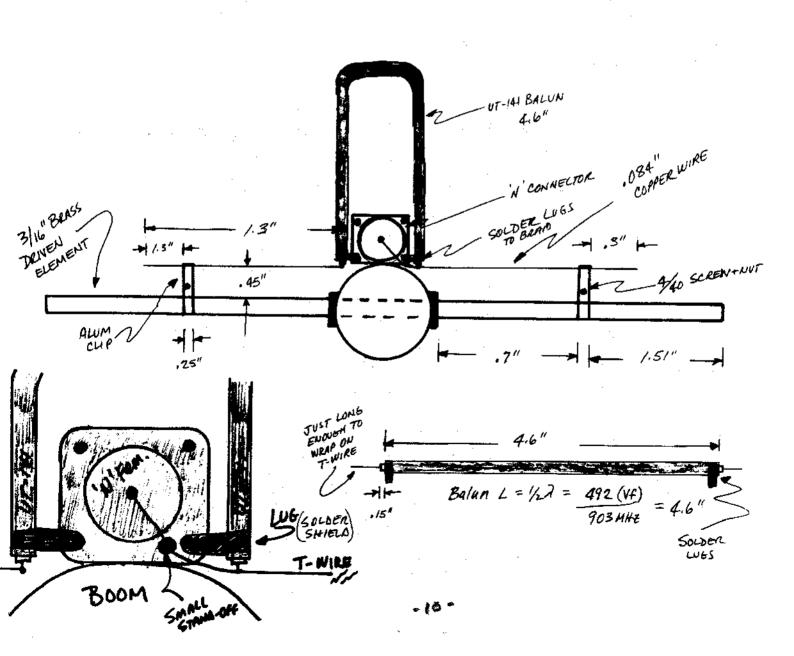
ARRL summarized the opponents' position "that the severe crowding in the 222-225 MHz band necessitates some variation from the national band plan, at least in Southern California. Some commenters claim that a 150 KHz subband at 222 MHz is too large, and would displace numerous repeaters now in operation ion that segment.

The commenters identify some 15-17 repeaters in southern California which would be displaced by the proposed subband; some of these have already been relocated from the 220-222 MHz segment. They express doubt that these stations could be accommodated elsewhere in the crowded 222-225 MHz band.

ARRL noted that its request for 150 KHz "seemed to be a reasonably small segment (5 percent of the total remaining band), and it appeared sufficient for weak signal operation." It now says, however, that a smaller subband may suffice and the actual size of the subband be the subject in a NPRM. TNX W5YI REPORT

#### 992/993 MHz DLGNU YAGI MATCH by Dave, N3CX

Hello all you 983 fans! I have been using DL6WU type yagis now for about 5 years. When I first put them up, I was in a hurry and settled for an SWR in the neighborhood of 1.65:1. I was never satisfied with this match. I don't have to tell anyone who builds gear that sometimes we do things that are not in the best engineering practices, Hi! (Right before the big contest it's hurry, hurry, hurry hurry, Hi!). The original feed was a folded dipole and I slapped it together with out trying different wire sizes and spacing — tisk, tisk! So I said to myself, let's do it right, if possible. Now that all the gear for 3.4 and 5.7 was built, we have some free time, Hi! Just sitting in the shack thinking about the 6.8% of my power being used to heat the finals was eating at me, Hi! With the mild winter that we've had, it was time to do some experimenting. The "T-match" is small but works really well — SWR at 983 MHz is 1.18:1 and it makes me feel better, Hi! I did the garden hose test and it's fine. That is all for now and get in touch with me if you want to chat or run some sked's... listen for the weak ones, 73.



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DIRECTORS: WA3AXV RON WHITSEL (1 YR)
K3EOD AL BOBLITT (1 YR)

N3AOG DICK COMLY (2 YRS) WA3NUF PHIL MIGUELEZ (2 YRS)

MONDA	Y NI	GHT NETS	NET CONTROL
7:30	PM -	50.125	K3EOD
8:00	PM -	144.150	W2EIF
8:30	PM -	222.125	WC2K
8:30	PM -	224.58/R	K3ACR
9:00	PM -	432.110	WA3AXV
9:30	PM -	1296.100	<b>WA3NUF</b>
10:00	PM -	903.100	N3AOG

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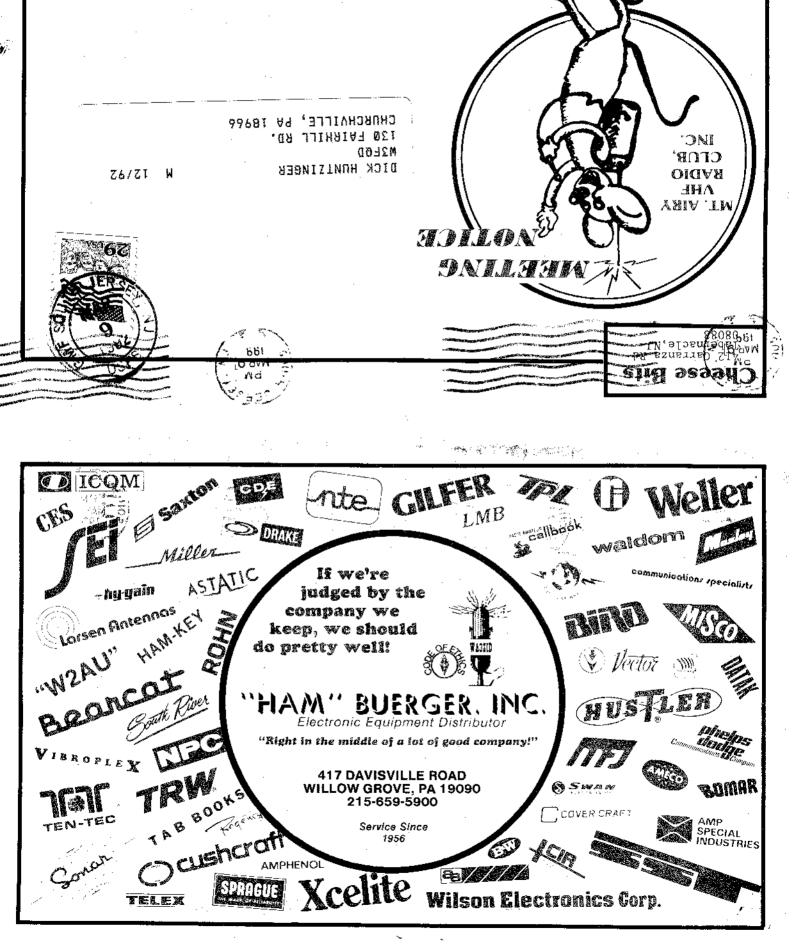
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