

PACK RATS'

CHEESE

BITS



PACK RATS

CLUB CALL: W3CCX

MT. AIRY VHF RADIO CLUB, INC.

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

(50.2, 145.2, 221.4, 432.03 & 1296.1 MC; 439.250-ATV)

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEETINGS: THIRD WEDNESDAY OF EACH MONTH AT 8:00 P.M.

VOLUME V

MARCH 1972

NUMBER 3

THE PREZ SEZ

The June VHF QSO Party will only be three months away by the time you receive this Prez Sez. So put a circle around the dates - June 11 and 12 - now! We will again be operating from our old site - the Hilltown Civic Grounds, Hilltown Pa. - 30 miles north of Philadelphia.

Your June QSO Chairman, WA3LNH, Chuck, has his volunteer band chairman - and it is up to us, the members, to all pitch in and help support them. We always have a well oiled working team up there - so if you have never been there, get there this June. Everyone has a great time at the QSO Party - getting a chance to see the finest in VHF-UHF equipment, plus using it. So volunteer for a band or two the Club needs you - so see Chuck.

Our thanks to our program chairman, K3BFP, Walt, on the presentation of another great Home Brew Nite. As I said in my last Prez Sez, we have many fellows building to improve the art of VHF and UHF of amateur radio and you saw and heard it there Home Brew Nite. The results are elsewhere in the CHEESE BITS. As to the best overall brewer, that must go to K3MCM, Lee. Besides brewing equipment, the wine was great, and the winners got first sip-sip-sip. Now we all know what he is doing in his shack late at night.

Don't miss this March meeting - and bring your friends, because our own K3ZKO, the TV Kid, is the program. Amateur TV - learn from the expert. See you all then.

Don, W3CJU

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING

EDITOR

K3JJZ, Elliott Weisman, ARNS
8533 Algon Avenue
Philadelphia, Pa. 19152
(215) PI 2-3525

TRUSTEE OF CLUB CALL: W3CCX

W3SAO, Francis Brick
821 West Lindley Avenue
Philadelphia, Pa. 19141
(215) DA 4-7524

PUBLISHER AND SUBSCRIPTION MANAGER

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

PRINTER

WA2KOI, Lloyd Schoenig
207 Woodlawn Avenue
Collings Lake, New Jersey 08094

AWARDS CHAIRMAN

W2EIF, Joseph Kilgore
#5 Sunnybrook Court
Stratford, New Jersey 08084

DIRECTORS' MEETINGS ARE HELD ON THE SECOND WEDNESDAY OF EACH MONTH AT DESIGNATED LOCATIONS.

MONDAY NIGHT NETS

145.2 - 7:30 p.m.
50.2 - 8:30 p.m.
221.4 - 9:00 p.m.
432.03 - 9:30 p.m.
1296.1 - 10:00 p.m.

FRIDAY NIGHT NET (ATV)

439.250 - 19:00 Hrs.

OFFICERS: 1971-1972

PRESIDENT: W3GJU, Don Hampton
VICE-PRESIDENT: K3BFP, Walt Bohlman
TREASURER: K3GAS, Doc Cutler
CORRES. SEC.: W3SAO, Francis Brick
RECORDING SEC.: WA3BIV, Carl Barish

DIRECTORS

K3JJZ, Elliott Weisman
WA3AXV, Ron Whitsel
W3FQD, Dick Huntzinger
WA3LNH, Charles Benavides
K3UJD, Mario Fontana
K3CIV, Ralph Hersh (Ex-Officio)

PACK RATS' CHEESE BITS is a publication of the Mt. Airy VHF Radio Club, Inc., Phila., Pa., and is published monthly.

10¢ per copy \$1.00 per year

We operate on an exchange basis with other publications and anything that is printed in CHEESE BITS may be reprinted, unless so stated, as long as the proper credit is given.

HOME BREW NITE WINNERS

Most Unique Project

1st Prize - W3NSI, Lyn Rowland
2nd Prize - W3EIF, Jo Kilgore

Most Outstanding Surplus Project

1st Prize - WA3AXV, Ron Whitsel
2nd Prize - W3FQD, Dick Huntzinger

Solid State Project

1st Prize - K3IGX, Dick Boyle
2nd Prize - K3IUV, Bert Soltoff

Measuring Devices

1st Prize - W3ZD, Dave Zimmerman
2nd Prize - W3NSI, Lyn Rowland

Most Ambitious Project

1st Prize - W3FQD, Dick Huntzinger
2nd Prize - W3ZD, Dave Zimmerman

PACK RATS START SIXTH WEEKLY NET

Every Friday night at 19:00 hours to 23:00 hours Ron squared, K3ZKO and WA3AXV, conduct an ATV Net.

Video and audio are transmitted on 439.250 MHz. In addition, both 50.2 and 146.58 are monitored for those who can receive ATV but are not yet able to transmit.

The Friday night net will give new stations a chance to obtain help with their rigs. Additional info from either Ron via land line - 224-3036 or 355-573

The following is extracted from a complaint filed in Common Pleas Court of Philadelphia against one of our club members.

For a period in excess of three years, defendants have systematically harassed and persecuted plaintiffs without reasonable cause or justification as follows:

Since 1966 defendant has operated a wireless radio set at his residence which interfered with the picture and voice on plaintiff's television set. Plaintiff's complaints over this interference with their quiet enjoyment of the television set in their home has caused defendants to engage in a course of conduct, vilification and harassment, intended to cause plaintiffs to move from their residence.

Since 1966 defendant has engaged in the unlicensed and unauthorized sale and repair of wireless radio receivers, and television sets at his residence, thereby causing the common driveway to be filled with automobiles so that plaintiffs were denied the right of entrance and departure.

In the summer of 1966, attempted to enter plaintiff's residence and claims to have authority under F.C.C. regulations to search their residence to remove the thermostat from plaintiff's refrigerator and air conditioner because they interfered with the reception of his wireless radio sets.

Defendant often takes pictures of plaintiffs with a camera to confuse, intimidate and harass them. Since this time defendants have cursed plaintiffs on many occasions and addressed loud and abusive language and threats at them.

Since 1966, defendants have constantly and repeatedly banged on the party wall of their home, slammed the door, as well as banged on piano keys, thereby interfering with plaintiff's quiet enjoyment of their home.

Since 1966, defendants have attached a fog horn to their front door so that it emits a loud blast whenever the door is opened, thereby frightening and alarming plaintiffs at any and all hours of the day or night in their home.

Since 1968, defendants have called plaintiffs foul and vile names on many occasions.

In the fall of 1966, defendant attempted to strike plaintiff Josephine Grigerowicz with a motor vehicle on several occasions. Defendant attempted to push a baby coach into a collision with a motor vehicle being operated by plaintiff John Grigerowicz.

Every summer since 1966, defendants repeatedly and constantly hosed the common pavement from the front doors to the street with great and excessive amounts of water causing plaintiffs to get their shoes wet in order to leave or return to their home.

Since 1966, whenever defendants dumped the water from their portable swimming pool, they would cause the water to flood plaintiff's lawn.

Defendants teased and harassed plaintiff's father (now deceased) whenever he was outside tending to the lawn or shrubbery by sicing their dog on him and by calling him names.

Since 1966, defendants constantly honk the horn of their car to harass plaintiffs. They operate their car at great speed and screech to a halt in front of plaintiff's home and blow the horn loudly and repeatedly. They follow plaintiffs in their auto whenever plaintiffs leave their home.

On Sunday, July 6, 1969, defendants had a lawn party wherein defendants and their guests amused themselves by throwing firecrackers at and against plaintiff's residence, thereby interfering with plaintiff's quiet enjoyment of their home and causing them to become fearful and apprehensive. On this occasion, the defendants said "I wish this was a bomb". One of the defendant's guests said "I wish they would come out. I could take care of them and make it look like an accident".

Defendants have often expressed their intention and desire to frame plaintiffs and have them arrested. In July 1969 defendants falsely accused plaintiffs of having stolen their cat and caused a policeman to search their home and garage for the cat.

Defendants operate an electric gasoline generator in their garage which emits noxious fumes which seep into plaintiff's home.

All of the above specified actions of the defendants have caused plaintiffs to become nervous, upset and ill, to lose sleep and peace of mind, to spend substantial sums of money for counsel fees, all without reasonable and probable cause.

Wherefore, plaintiff's bring this action in the nature of a Bill of Peace and pray the Court to:

- a. Enjoin defendants from further harassment or persecution of the plaintiffs, from trespassing upon or damaging plaintiff's property and from threatening or assaulting plaintiffs.
- b. Direct that defendants pay the costs of this suit.
- c. Grant such other relief as may appear proper to the Court under the circumstances.

You see what a TVI complaint can lead to. After you finish laughing about the charges, consider several things:

- 1. An attorney will have to be retained to defend the suit (approximately \$1500)
- 2. It could have been you.

K3JJZ, EI

CALENDAR OF COMING EVENTS
Syllabus by Lee, K3MXX

"DUES ARE DUE AND PAYABLE"

MARCH

- 8 Board of Directors Meeting - QTH of K3MXX, Lee A. Cohen, 8242 Brookside Road, Elkins Park, Pa. 19117 - 8 p.m.
- 11-13 Second Annual World Wide VHF Activity sponsored by the Itchykoo Park WHF ARS. Starts at 1900 GMT 3/11 to 0300 GMT 3/11. Exchange call and state. More details in QST and WA3NUL - Box 1062, Hagerstown, Maryland 21740.

CALENDAR OF COMING EVENTS (Continued)MARCH

15 General Club Meeting - West Oak Lane Jewish Community Center, Thouron and Sedgwick Streets, Philadelphia, Pa. - 8 p.m.

A.T.V. Nite (Amateur Television) - Speaker K3ZKO, Ron Cohen

See and learn how easy it is to get on ATV. Equipment and allied materials will be discussed. Learn how to detune a UHF converter to copy ATV.

A 15 minute auction of better type equipment will be sold as well as Mario's auction and Doc's silent auction in the back of the room.

Members and guests are cordially invited.

APRIL

9 Greater Baltimore Hamboree - Calvert Hall, Coucher Boulevard and LaSalle Road, Townson, Maryland (one mile south of Exit 28 Beltway, Interstate 695). Flea Market, Tables, Auction, etc. \$1.50 - 10 a.m. till 4 p.m. A couple cars of Pack Rats will be going down. Contact K3MXM.

12 Board of Directors Meeting

19 General Club Meeting - FM - Speaker W3HKZ, Ed Kushner - demonstrations, slides, equipment, etc.

MAY

6 Ladies Nite - Buck Hotel, Feasterville, Pa. - K3KTY, John Tate

13 Rochester Flea Market

JUNE

10-11 June QSO Party - Hilltown, Pa. - WA3LNH, Chuck Benavides

AUGUST

13 Pack Rat Picnic - Flourtown, Pa. - W3YXF, Joe Rushton

OCTOBER

1 First Pack Rat Hamboree - Jamison, Pa.

22 Gaithersburg Hamfest

Don't forget your one and one. One item once a year donation for Mario's auction. Just bring to the club meeting and leave with Mario.

NEW PRODUCTS OF INTEREST TO HAMS
W3NSI, Lynn Rowland

1. Broadband Amplifiers 30-400 MHz

Several broadband amplifiers are available from Radiation Devices Co., covering the range 3-500 MHz. However, the most interesting to hams would be the BBA-1 rated at a minimum gain of 10 db from 3-500 MHz. Unit operates on 12 VDC. Input and output connections are BNC type. Price \$30. P.O. Box 8450, Baltimore Maryland 21234.

2. Series Voltage Regulators (Solid State)

Two models in three voltage ranges are available at very reasonable prices from Powertec, Inc. The two power ratings are 90 and 180 watts. Voltage ratings are 4.5-6.5 - 11.5-15.6 - 17.5-24.5 DC. The exact voltage needed can be set with an adjustment pot mounted on the unit. Prices are: 90 watt \$15; 180 watt - \$22.

3. Two Meter Vertical Gain Antenna

Rated at 500 watts and 6 DB gain, this antenna would be of greatest interest to FM operators. Bandwidth is 3 MHz or more at 146 MHz. Unit is about 12 feet high and can be mounted on a 3/4" pipe. Price \$60. An-Tek Industries, Box 357, R.R. 5, Elkhart, Ind. 46514.

YE OLE CHEESE BITS

Once upon a midnight dreary, while I pondered weak and weary, it came to me that I too should help to swamp ye ole editor with an article. I asked myself the question "What makes the Pack Rats click?". It came to me right away - the January VHF SS. But that can't be it for only a little over half of the members participate. Then I thought of the June VHF QSO Party. Even fewer participate in that event. So it must be the picnic. Even with QCWA as our guests we don't get more than half of the gang out. Last I thought of Ladies Night. You know what? We can't get them all out there either. So I turned to the meetings. Again no 100% attendance even though we do have a very high percentage. Maybe it is Mario's (Ivy Land you know) lotteries and goodies, or Doc's silent auction, or even CHEESE BITS. I finally came to the conclusion it was no single thing that made the Pack Rats click but the fact that we have so many things going, each of which attracts a large portion of the membership.

Okay, so what are you worried about. Nothing really at the moment, but I was wondering if we might not be getting a little stereotyped. You know, same things each year over and over again. I figure we need something that will be a bit different than we have been doing that will call for an all out effort of most of the members. When the suggestion of the Flea Market or eventually an ARRL convention came up my ears popped up. "This is it!" Oh it sure will be lots of work for lots of members, but it will also be a real challenge for the Club. It might even cost a few bucks. So what, we can't take it with us! What a deal if we the Pack Rats could sponsor a national convention in 1976 in Philadelphia!! So I'm suggesting that all members give real serious thought to the Flea Market and convention and give ideas and/or volunteer to help when plans are formulated.

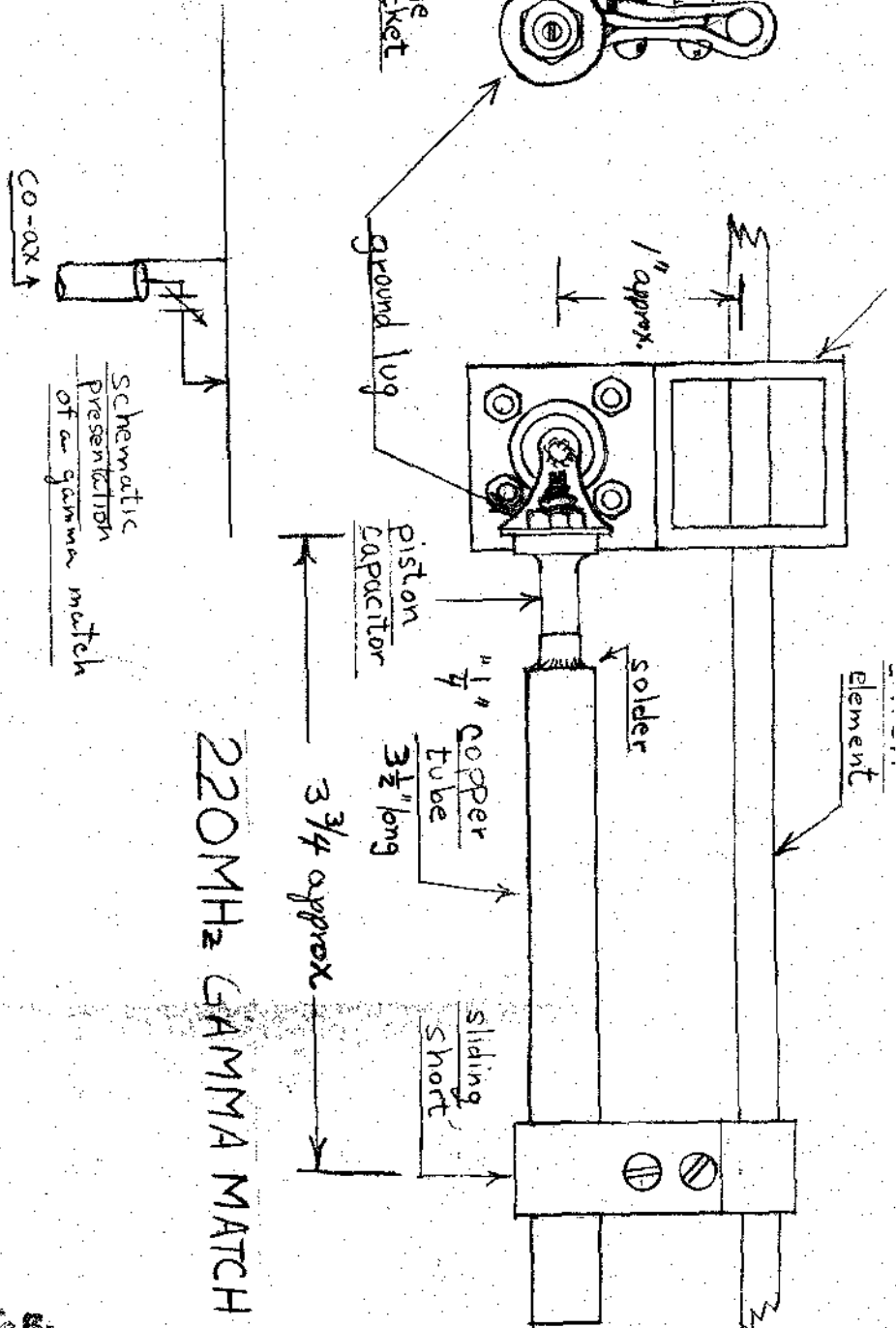
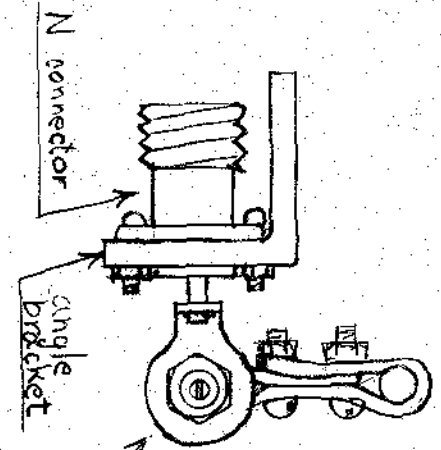
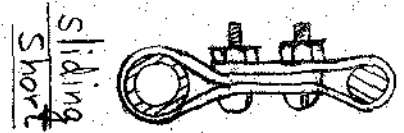
W3HK, George VanDyke

GAMMA MATCH FOR 220 MHz YAGI ANTENNA

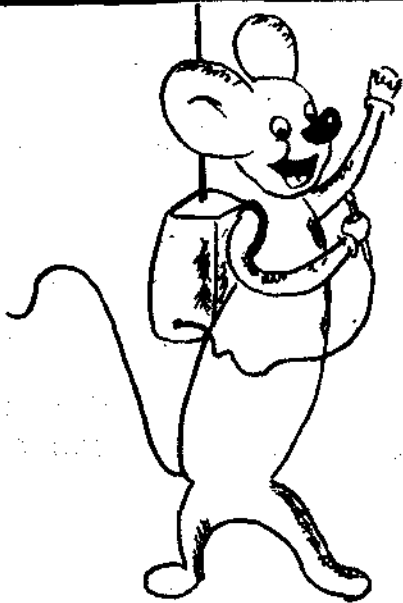
An easily constructed and adjusted gamma match has been in continuous use on a 220 MHz Yagi Antenna at K1SFF for the past four years. The only component not found in most junk boxes is the glass piston capacitor. However, these are often found in surplus or could be purchased new from an electronic supply house. Capacitor value required is approximately .8-18 pf. I used a JFD VC 27. The stator end of the capacitor is slid into a $\frac{1}{4}$ " copper tube $3\frac{1}{2}$ " long and the stator soldered to the tube. Use just enough heat to do the job and you should not have any trouble. Mount a large ground lug to the threaded end of the capacitor and solder the other end of the ground lug to the center pin of a type V connector attached to the antenna boom with a small piece of aluminum angle stock. Fashion a sliding short from $\frac{1}{2}$ " wide, $1/16$ " thick flashing copper. The length of copper required and the spacing between the bends will depend on the dimensions of your particular antenna boom and driven element. With normal boom sizes the distance between the copper tube and driven element is about one inch. Therefore, a piece of flashing copper about 5" long will be necessary. Thoroughly clean the copper tube and antenna driven element with steel wool in the vicinity where the sliding short will be attached. Bend the short to shape according to the accompanying sketch. Slip the sliding short down over the antenna element and copper tube. Tighten the sliding short just enough so that it makes good contact but can still be moved in and out.

Use a SWR bridge in the transmission line close to the antenna. Tune the match for minimum SWR by first adjusting the position of the sliding short and then adjusting the capacitor. Continue adjusting

alternately the position of the short and capacitor until you have a good match. Tighten down the sliding short and coat all joints with glyptol. Place a plug in the outside end of the copper tube to keep water out.



220MHz GAMMA MATCH



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SUMMARY OF DIRECTORS MEETING MINUTES

W3SAO procured a new trophy case for
January contest gavels. This one will
hold eleven more.

VQ9WF (our own WA2UUV) is back in the
states. W3CL received his QSL card.

W3CL gave the Board a summary of the
ARRL Board of Directors Meeting.
There are several items of special
interest to VHFers (Technicians, too).

June contest committee meeting Sunday
February 19, at WA3LNH's QTH.

The undesirable job of reviewing the
rolls of full members for those that
have not been heard from this last
year (activity wise) is just around
the corner (trite saying - but accurate)

A discussion on the pitfalls to avoid
in next year's January contest took
a great amount of time. It's this
discussion that sets the stage for
next year's smooth operation.

The hamfest discussed last month is
taking shape. The date is October 1
and we feel that there will be enough
activities to call it a hamfest. Be-
suggested name thus far is the "Pack
Rat Hamarama". This name submitted
by W3ZD.

WA3BIV

* * * * *

VISITORS AT THE FEBRUARY MEETING

W3MVB, Howard, Malvern, Pa.
WA3HOW, Bob, Warminster, Pa.
WA3PIR, Steve, Fairview Village, Pa.
WA3MIX, Lou, Norristown, Pa.
WA3ERQ, John, Philadelphia, Pa.
K3OZB, Bill, Dresher, Pa.

* * * * *

K3GAS, Doc Cutler, is chairman of the Board
of Governors for the annual meeting of the
Philadelphia County Dental Society. The me-
ing will be held in March.

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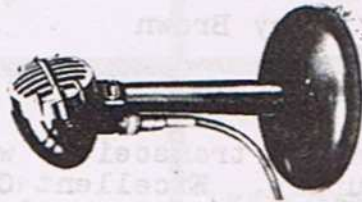
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