



PACK RATS'

CHEESE BITS



CLUB CALL: W3CCX

MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.
(50.2, 145.2, 221.4, 432.3 & 1296.3 MC)

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

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

VOLUME XII

MAY 1969

NUMBER 5

OUR PREZ SEZ

In addition to an excellently narrated slide presentation on micro-wave repeaters obtained by W3MFY, Pres, our Vice-- President, for the May meeting we will have Ed Tilton, W1HDQ, from ARRL Headquarters visiting with us that evening. I am sure either one of these features should be enough to drag the Rats out of their holes; but to have both should leave no excuse for non-attendance. As in the past years we will have dinner with Ed when he arrives and anyone wishing to attend this dinner should get in touch with K3GAS, Doc, for the details

Another important reason for attending the May meeting is to show your interest in the nominations for the various offices of the club and take part in the nominations if you wish. Please have the consent of your candidate before you nominate him. Although the committee will welcome all suggestions, everyone has the privilege of making their own nomination from the floor. Give your nomination plenty of thought before you make it. The welfare of the club depends on it. The nominating committee is composed of W3HKZ, Ed Kushner, the Chairman; K3UJD, Mario Fontana; K3IUUV, Bert Soltoff; and K3IGX, Dick Boyle.

73,
K3HSS, Charley

DEADLINE FOR ARTICLES IS THE GENERAL MEMBERSHIP MEETING.

EDITOR:

K3JJZ, ELLIOTT WEISMAN
8533 ALGON AVENUE
PHILADELPHIA, PA. 19152
215 - PI 2-3525

TRUSTEE OF CLUB CALL: W3CCX

W3SAO, FRANCIS BRICK
821 W. LINDLEY AVENUE
PHILADELPHIA, PA. 19141
215 - DA 4-7524

PRINTER AND SUBSCRIPTION MANAGER:

K3GAS, DOC CUTLER
7815 NEW SECOND STREET
PHILADELPHIA, PA. 19117
215 - ME 5-1078

AWARDS CHAIRMAN:

W2EIF, JOSEPH KILGORE
#5 SUNNYBROOK COURT
STRATFORD, N.J. 08084

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

CODE PRACTICE:

7:00 TO 7:30 P.M. MONDAY THROUGH FRIDAY, 50.2 MC BY K3ZPN, LLOYD SCHOENIG.

MONDAY NIGHT NETS:

145.2 - 7:30 P.M.
50.2 - 8:30 P.M.
221.4 - 9:30 P.M.
432.3 - 10:00 P.M.

OFFICERS - 1968-1969:

PRESIDENT: K3HSS, CHARLES LUSTICK
VICE-PRES.: W3MFY, PRESTON FUNK
CORRES.SEC.: W3SAO, FRANCIS BRICK
REC. SEC.: W3ZPN, LLOYD SCHOENIG
TREASURER: W3MVF, DAVID BLOCH

DIRECTORS:

W3LHF, DAVID ZIMMERMAN
K3KTY, JOHN TATE
W3CJU, DONALD HAMPTON
K3KKN, ERNEST KENAS
K3UJD, MARIO FONTANA
K3CIV, RALPH HERSH
(Ex-Officio)

PACK RATS' CHEESE BITS is a publication of the Mt. Airy V.H.F. Radio Club, Inc., Philadelphia, Pa., and is published monthly.

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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.

* * * * *

ARRL BULLETINS

NR 213, March 20, 1969

On March 19 FCC issued a notice that there is no longer any objection to communications between its amateurs and those stations in Thailand which use their United States call letters followed by the slant HS indicator, with the concurrence of the Thai government. Contacts with HS prefix stations remain prohibited. Additional information reveals that Indonesia and the United States have agreed to permit amateurs of one country to operate their stations while visiting in the other, effective immediately. Other banned country and reciprocal operating information appears in IARU News, April QST AR

NR 214, March 27, 1969

Four times a year, during the ARRL quarterly CD Parties, many amateurs become interested in the activity called a CD Party. This operating event is limited to competent radio amateurs in the ARRL Communications Department Field Organization. These appointees serve amateur radio and the public in the many fields of VHF, emergency planning, bulletin transmissions, traffic handling on all modes and signal observance. Only ARRL appointees and League Officials may participate in the quarterly CD Parties. All qualified amateurs are urged

FROM THE BOOK RACK
Paul R. Behrmann K3WEU/AREA*

TRANSISTOR AND DIODE LABORATORY COURSE by Harry E. Stockman (128 pages, paper-back - \$3.95, Hayden Book Company, Inc.)

This clearly illustrated book develops the course material progressively, with preparatory explanations, general discussions, and review questions accompanying each experiment. The need for an instructor is minimalized to the extent that the course is completely suitable for self-study.

In the first half of the course, the experiments provide a basic groundwork in transistor technology. Some areas covered are: plotting characteristic curves; measuring parameters of the three basic transistor connections; and investigating the audio amplifier, the phase splitter, and the output stages. The remaining experiments deal with more intricate transistor networks, such as the theory and operation of multivibrators, and the concept of parametric action.

After proceeding through the experiments, the student or reader will be able to perform successfully such delicate operations as adjusting the threshold of a regenerative detector and producing superregeneration. Answers to given questions are included at the back of the book.

TRANSISTOR AND DIODE LABORATORY COURSE was developed and tested in the author's classes. It will prove valuable to individual readers who want a more sophisticated grasp of transistor and diode technology, as well as to prospective engineers and technicians in universities and technical institutes.

K3WEU, Paul

* Amateur Radio Editors Association

DE K3JJZ

Well gang, the last issue of CHEESE BITS was our first with the new machine. As you no doubt have noticed, we have a lot to learn. The current CHEESE BITS Staff is as follows:

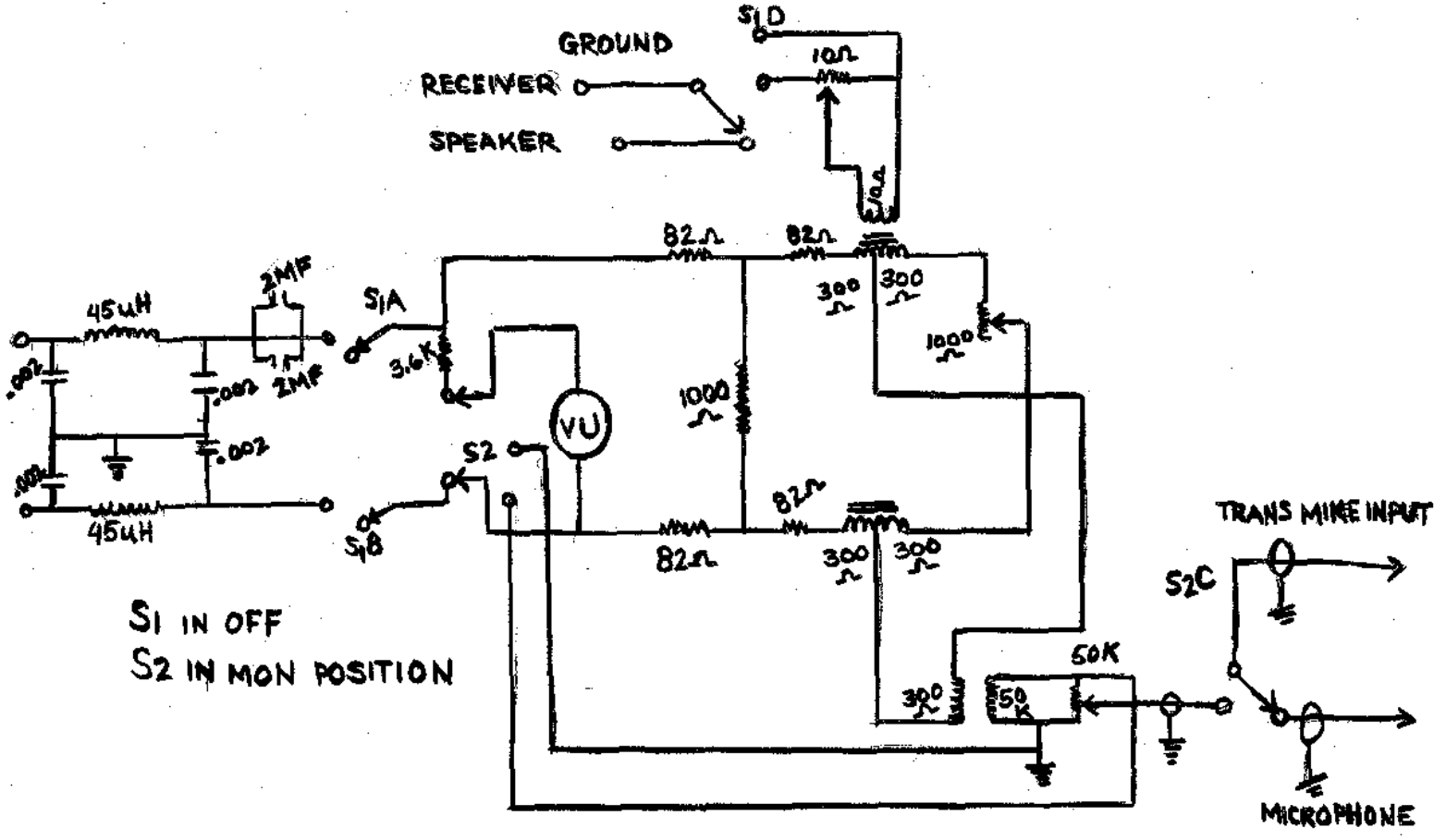
- K3JJZ, Elliott Weisman, Editor
- K3GAS, Doc Cutler, Publisher and Subscription Manager
- K3ZPN, Lloyd Schoenig, Printer
- K3MXM, Lee Cohen, Advertising Manager

We welcome all comments, criticisms, and above all, articles.

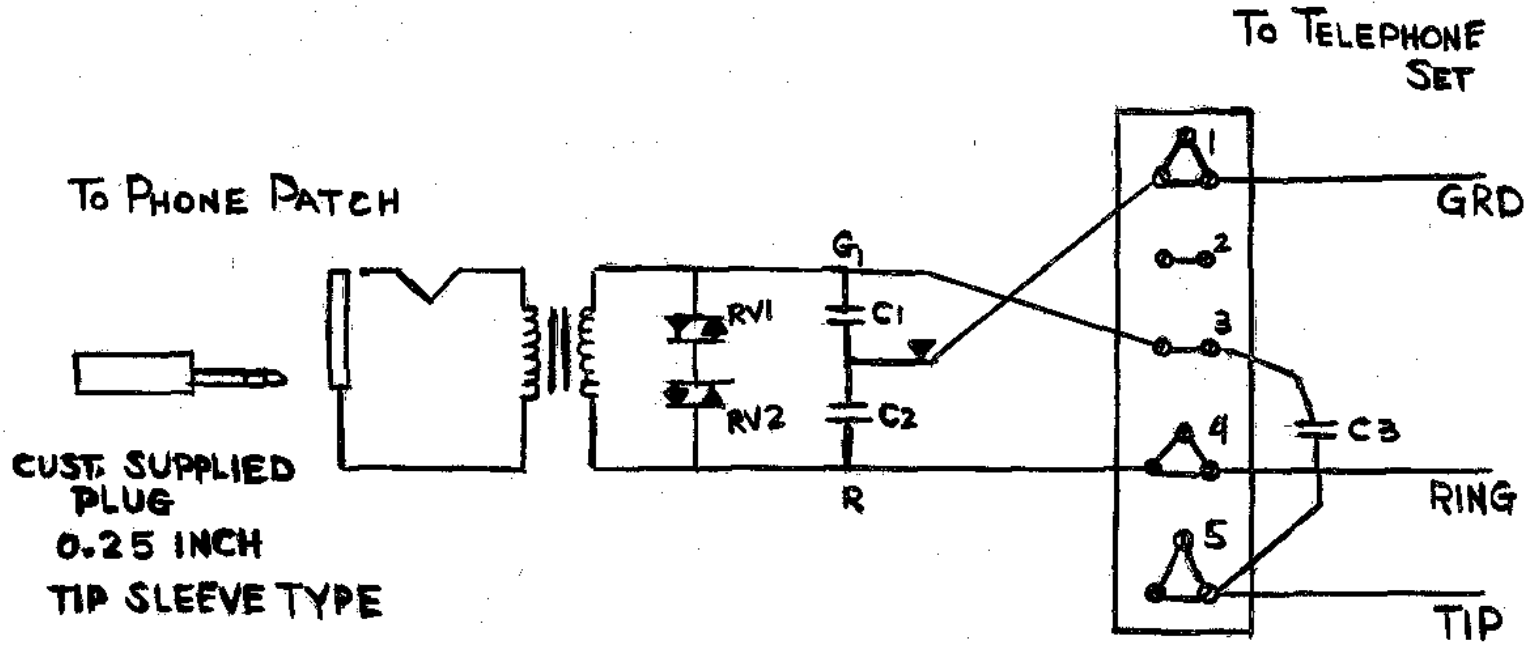
K3JJZ, E1

TEMPEST CONTINUES

Another answer to the Old Grouch is printed in this issue. As we stated before, the opinions expressed by the writer are not necessarily those of the Mt. Airy V.H.F. Club or the editors.



HEATHKIT HYBRID PHONE PATCH



CIRCUIT OF F57948 VOICE COUPLER

The above circuits were supplied by K3GQJ, Jack Greenage, for those intending to use the voice coupler supplied by the telephone company.

TEMPEST

Dear Editor:

From this writer's observation point the answers to the questions of The Grouch are pretty obvious. I'll attempt to answer them in order.

I've never heard of anyone being required to zero the NCS, no one cares, no attempts have been made to help these poor ignorant creatures in this respect, besides, what's all this zero-beating jazz about, anyway?

If insufficient members show up at the Stated Meetings then the Constitution is at fault. The idea, 51% of its members present, I don't think 51% of its members are alive, getting 40% to a meeting is challenging enough, even if dancing girls were provided. Look about you! If this is the only meeting you attend, read no further, but if not, check how many people attend your other meetings on a percentage basis. Wassamalla you?! Ain't my eight bucks good enough that you've got to have me too? I've been HAD enough. Suppose that me and a few others you so fondly refer to as members were to resign or you threw us out (some guts), say it's ten, well 10 x 8 equals eighty bucks you wouldn't have for your pet projects, so what are you going to do, raise the dues again? Yeh, well try it, you just go ahead and try it, and you'll have another club to write a Constitution for. And another thing, if all us guys were to attend all the meetings, whose back would you be biting, jever think of that? Naw, let the clique run the club, that's what I'm payin' 'em the eight bucks fer. 'n' besides, if I enter into any exchange of thoughts about club business, I'm put down with, "Wotsa matter, ain'chu got no faith in yer club officers?" I'm telling you, I don't like to be put down, not that way. Up until that time, I've got 101% faith in the officers, but when someone questions my right to question, it gets me awonderin' about me misplacin' my confidence. So, who needs it? So, I'll leave you alone, you leave me alone, I pays my eight bucks and participates in the one required contest a year period. Oh yes, back-biting is always good for a laugh and helps to alienate members.

First you gripe about me not attending meetings and then you gripe about me when I do. Make up your mind(?)!! It ain't because we ain't got no refinements er nuthin' like that its jist that I want to show what little curtsies I have to me buddies what I ain't seen in quite a spell, besides, you ain't botherin' us, so don't let us bother you, 'n' besides agin, you ain't sayin' nuthin' nearly as 'portant as what we've got to talk about, anyways!

It is the duty of every member to check on other members (but not before they become members), especially officers, elected and appointed. When you publicly pick an appointed officer apart, it keeps him on his toes, he can't relax a minute. He tries to satisfy everyone and satisfies no one. When he has completed his job well, don't thank him, after all, isn't that the reason he was appointed in the first place? All of this makes it real easy(?) for the President to appoint a Chairman to the same job next year, yeh!

If I'm part of the Club, then the Club is part of me, right? I don't mind if it used my good(?)name so why should it care if I versa vice, etc. We are incorporated, right? One fer all, and all fer one, me, especially. I've got to get my eight bucks worth, somehow. And there you go about me missin' meetings, agin. What do you care? You've got my eight bucks. Did you ever consider the fact that if a lot more members felt this way, we wouldn't have to have such a plushy place in which to meet, any closet would do, a small closet.

Continued on Page 5

TEMPEST (Continued)

Why, yes! 101% YES!! When I joined this Club, I was told that "we" went all out for the VHF SS, but if you could not make that there was one other contest in which one could participate and still maintain an active membership. SOooo, all I had to do was get in one (1), count 'em, contest and pay the man the money. Even the Editor agrees that the Annual Banquet isn't very important because I haven't seen it mentioned in the rag.

The poor(?) editor has to print such articles because most of our better article-submitters have something better to do, than submit articles to the editor of the CHEESE BITS, that is. I've heard someone suggest that if the prez sez, the editorial, the swap 'n' shop, and technical articles were excluded and include only stuff that would interest the general membership, it would be a good paper. That's a thought, but you'll (not you, ed.) have to decide whether it is a good one. Let me go it one better, exclude the paper and all the aggravation and expense that goes with it, even though, without any shadow of a doubt, it is the one single instrument that holds the club, or any other club, together. This Editor (please note caps) has indicated, at least to me, that he realizes this responsibility.

DE WA3BIV, CARL BARISH

Got a 6 element 12 turn 1296 MC tuned super helix? How about a 60 element double tuned series fed triple stack and loaded yagi for 432? We can't guarantee it will work but we can measure its performance if it does - at K3UJD's sometime after Labor Day at the Second Annual Antenna Measuring Contest. More details at a later date. I may even break out the half finished 6 meter 20 element zeta matched mobile whip I was building.

Are you a frustrated hotshot contest operator? Frustrated because you never had access to the ultimate station? Come to the June QSO party at Hilltown, Pennsylvania, June 14. Contact one of the coordinators and he will arrange to give you this once in a lifetime opportunity.

WA3BIV, Carl

ARRL BULLETINS (Continued)

to contact their Section Communications Manager, page 6 QST, to see how best they too can serve along the lines of their natural operating interests AR

NR 215, April 3, 1969

Field Day 1969, June 28 and 29, will retain all of the popular features introduced in 1968. Only one change takes place this year permitting those clubs who prefer to set up ahead of time to do so. If set up time takes place before 1900 GMT June 28, the group may operate no more than 24 consecutive hours out of the 27 hour Field Day period. ARRL Affiliated Clubs have been mailed advance copies of the complete rules which, additionally, will appear in May QST. Entry forms are available without charge from ARRL, 225 Main Street, Newington, Connecticut 06111. When writing for your logs, please indicate the number of transmitters planned to be operated simultaneously and the approximate number of contacts anticipated. Allow four weeks for regular mail AR

FELLOW AMATEURS: - Here are some firms and fellow hams that are interested in you and your business. They have seen fit to support CHEESEBITS by giving us a little revenue each month in return for your support. If you have need for the service listed, you can't possibly do better than to deal with a fellow amateur, now can you?

K3MM

JE 3-4660
4661

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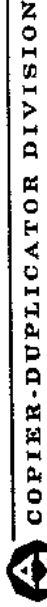
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IN SUPPORT OF THE GROUCH

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MORE GROUCH

Hi,

Sorry you couldn't make the meeting the other night. Got the word on Harry, they operated on him the other day. He's okay though. Why don't you send him a QSL card. He's starting a collection. He's in Room 3E14, Abington Hospital, Abington, Penna. 19001. I think I'll send him some peonies.

Glorious Leader named the Nominating Committee at the meeting. Poor guys, they'll have a tough time finding anyone willing to run. Everyone wants to be a Director but nobody wants a working job. When was the last time we had more than one candidate for Secretary?

Doc said at the meeting we should drop him a line to vote for our favorite Cheese Bits article. Here's one vote for "Why". I wonder why? Certainly made some of the puerilists perk up their ears.

My listening posts in the "Senate" informs me they're going to crack down on the deadwood that's not paying their dues. Bout time! Isn't there something in the constitution about not being allowed to vote if your dues aren't paid? Think I'll bring it up in June!

Finally got 220 back on the air. Lotta work. Next project is to lash up one of those cheap two meter converters to a transistorized BC radio. Should be great on the transmitter hunts.

Well, gotta go now. See yeh on six.

THE GROUCH

YE ED SEZ

Dear Grouch:

Received your current contribution which you notice was printed above.

Please endeavor to supply by the regular meeting night. I know we used to say the 20th of the month but it has become more convenient (for me and the gal typing, Marsha) to use the meeting night as a cut off.

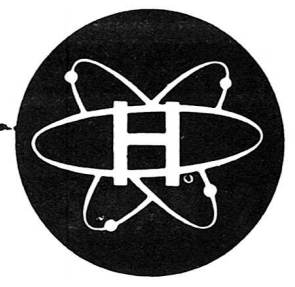
I was tempted to delay your latest contribution until next issue since inclusion in this one required a complete revision of the previously planned layout. However you were saved by what I consider the meaningful satire of your article.

Many have asked where ye old editor stands in the "pro or con" grouch controversy. We believe that only those who really care take the trouble to voice an opinion. This included you, Old Grouch, and your antagonists.

Your initial offering created quite a problem for us. We were tempted, for the first time since I became editor, to censor something by a club member. We did not yield to temptation because of what we consider the responsibilities of editorship.

Continued on Page 7

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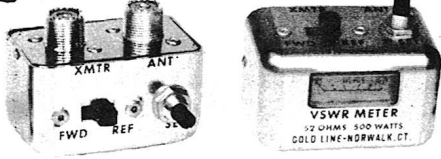
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14⁸⁵



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OPEN EVENINGS

MON. THURS. FRI.
9 AM TIL 9 PM
TUES. WED. SAT. 9 AM TIL 6 PM



YE ED SEZ (Continued)

So Grouch and grouch answerers keep it up! As long as you keep it clean, we'll keep it in print.

73,
K3JJZ, E1

NEW TYPE OF AMPLIFIER UTILIZES ACOUSTIC ENERGY

A new type of amplifier has been developed that utilizes acoustic waves to amplify radio signals. Known as a "phonon amplifier", the device has potential for use in both ham home entertainment products and military equipment.

The new amplifier will boost radio signals without introducing "noise" (or static) into them. This is its advantage over earlier phonon amplifiers, which added unsatisfactory amounts of noise to the signals. A model, developed and now being evaluated at General Telephone and Electronics Laboratories, consists of a ceramic plate, a thin slice of silicon, and electric connections. Key to its successful operation is the piezoelectric property of the ceramic plate. Piezoelectric materials can transform electric impulses to physical waves, and physical impulses into electric waves.

In this case, radio-frequency signals introduced into one end of the ceramic plate are changed into acoustic waves that travel through the material--and are amplified by additional voltage injected through the slice of silicon. Clear, stronger radio signals are extracted from the other end of the ceramic plate.

Submitted by,
W3HKZ, Ed Kushner

MEMBERSHIP

New Address
Donald DeRosa
ET USN B-449986
DIV-OE USS Cleveland (LPD-7)
FPO San Francisco, California 96601

K3DLS, Carl Croce, has a loaded station wagon. When last seen it was full to the roof. When are you going to take inventory Carl?

The Vice-President, Press, W3MFY, is making a list of Club owned junkie. He would like to know of all equipment owned by the club and its location.

ARRL BULLETINS (Continued)

NR 216, April 10, 1969

The FCC has proposed rule making to adopt the ARRL petitions requesting an exclusive c.w. band from 144.0 to 144.1 MHz instead of the present one at the top edge of two meters and to permit F1 emission for radio-teleprinter from 28 to 28.5 MHz. The comment date is June 11. A brief report will appear in May QST with full details in the June issue AR

* * * * *

SWAP SHOP

Conducted By: W3ZRR, Ray Whitehead
7329 Shelbourne St.
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- Heath SB-110A 6M SSB transceiver with P.S., mike, 6 element Cushcraft Yagi
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- TMC GPR-90 receiver with 100 kc calibrator and TMX MSR-4 RTTY-SSB adaptor. Both excellent and with manuals. Both for \$275. No shipping please.

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- 60 WPM gears for synchronous model 15 teletype
CONTACT: W3PST, Ellwood Haldeman
1732 Loney Street
Philadelphia, Pa. 19111
725-1106

* * * * *

DID YOU KNOW

The Pack Rats now own a generator which is residing at the QTH of W3KKN, Ernie Kenas.

K3JJZ, Elliott Weisman, is now operating 220 mobile. So far seven different stations worked.

K3GAS, Doc Cutler, is anxiously awaiting a lens to get his T.V. camera running.

K3ZPN, Lloyd Schoenig, held a June QSO Party Committee Meeting at the QTH of K3GAS, Doc Cutler.

K3UJD, Mario Fontana, is planning another antenna measuring party. Date and time to be announced later.

W3CL, Harry Stein, has taken over Abington Hospital. Surgery took place on April 16. Harry has requested QSL cards instead of get well cards.

* * * * *

MEETING NOTICES

The next DIRECTORS MEETING will be held on Wednesday, May 14, at the QTH of K3KTY, John Tate, 520 Larkspur St., Philadelphia, Pa. 19116.

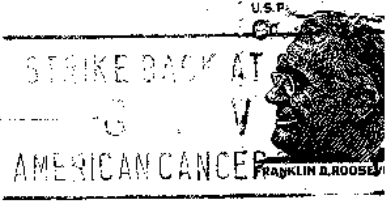
The next GENERAL MEETING will be held on Wednesday, May 21, at the West Oak Lane Jewish Community Center at 8 p.m. Program - Ed Tilton night plus the WA5LVT repeater story complete with slides.

PACK RATS CHEESE BITS

8533 ALGON AVE.

PHILA., PA. 19152

-9-



PACK RATS

MT. AIRY VHF RADIO CLUB, INC.

MR. W3CL, Harry B. Stein
2087 Parkdale Ave.
Glenside, Pa. 19038

FIRST CLASS MAIL

MEETING NOTICE

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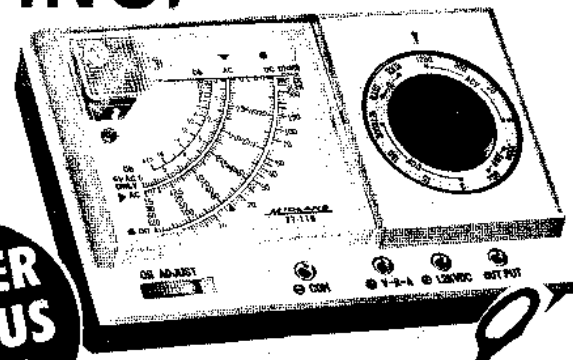
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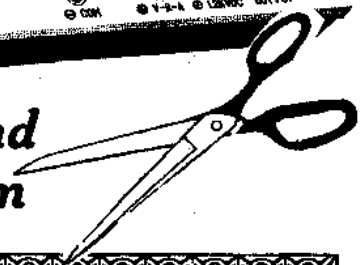
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