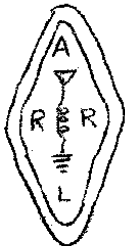


PACK RATS' CHEESE BITS



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

(50.2; 145.2; 221.4; 432.2 & 1296.4 MC)

CLUB CALL: W3CCX

AFFILIATED MEMBER: AMERICAN RADIO RELAY LEAGUE

EDITOR: HELEN BRICK, XYL, W3SAD

(MEETING NOTICES: LAST PAGE)



VOLUME VII

JULY & AUGUST 1964

NUMBERS 4 & 5

CHANGE

With the change from spring into summer, comes also the change in administration. The New Officers will endeavor to carry on in the same manner and with as much enthusiasm as previously so that Mt. Airy will remain the Number One club in the country. Format and publication of "Cheese Bits" has also been changed into a concise and complete form to keep you informed of club activities primarily. It is hoped that the change will spur more interest in the club by all members so that VHF activity will be furthered and everyone will have a chance to participate in all the club affairs. Remember that we can only be a close-knit organization by everyone pitching in and doing whatever job is designated to him. We, the new officers, do promise to do the best job we can for all of you. We are at the wheel, you are the back-seat drivers. In the words of the late John F. Kennedy; "Ask not what your club can do for you, but ask what you can do for your club".

THE NEW OFFICERS

GRANDPA BILL SAYS

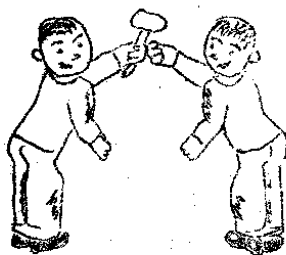
Once a year, the members of the Pack Rats are privileged to cast their ballot for the new officers. Likewise, once a year, the new officers are privileged to serve, to the best of their ability, in an effort to promote further interest in the realm of VHF.

As Past President of the Pack Rats for the year 1963-1964, it has been my pleasure to watch the growth of our organization and note the progress that we have made in our various fields of endeavor. This of course, could not have happened without the full co-operation of the other officers, the various committees and the membership.

My thanks and appreciation are tendered to all those responsible with the fervent hope that the coming year, 1964-1965, will register the same generous response for K3GAS, 'Doc' and his fellow constituents.

Let us look forward with this new regime to making the Mt. Airy VHF Club the finest in the land with the biggest and best record in all of its activities.

Again, thanking all of you most sincerely, 'Grandpa Bill' says 73 and Good Luck to the new officers.



K3HWZ K3GAS

"CHEESE BITS" PUBLISHED BY THE MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.

10¢ a copy \$1.00 a year

WE OPERATE ON AN EXCHANGE BASIS WITH OTHER PUBLICATIONS, AND ANYTHING THAT IS PRINTED IN "CHEESE BITS" MAY BE RE-PRINTED, UNLESS SO STATED, BY ANY PUBLICATION AS LONG AS PROPER CREDIT IS GIVEN.

ALL INFORMATION SHOULD BE SENT TO THE EDITOR: HELEN BRICK, XYL, W3SAD 829 W. Fishers Avenue, Phila., Pa. 19141 215- DA. 4-7524

TRUSTEE OF CLUB CALL, W3CCX FRANCIS BRICK, W3SAD 829 W. Fishers Avenue, Phila., Pa. 19141 215- DA. 4-7524

General meetings are held the third Wednesday of each month at the West Oak Lane Jewish Community Center, Sedgwick & Thouron Sts. Phila., Pa.

Directors meetings are held the second Wednesday of each month at designated locations.

AWARDS CHAIRMAN: W2EIF, Joseph Kilgore 5 Sunnybrook Court Stratford, N.J. 08084

Monday night nets: 8:00 P.M. - 145.2 9:00 P.M. - 50.2 10:00 P.M. -221.4

OFFICERS: 1964 - 1965

President: K3GAS, Doc Cutler Vice-Pres: W2EIF, Jo Kilgore Cor. Sec.: W3SAD, Francis Brick Rec. Sec.: W3HAB, Monroe Powell Treasurer: W3MVF, Dave Bloch

DIRECTORS: K3HWZ, Bill McDutcheon W2AXU, Jack Power W3LHF, Cave Zimmerman W3HFY, Harold Grace W3FSC, Oscar Jacoby K3GIV, Ralph Hersh (Ex-Officio)

***** THE SUBURBAN SUPPLEMENT OF THE PHILA. INQUIRER HAD A REAL FINE WRITE-UP ON THE CLUB. SEE THE JULY 19 ISSUE. PICTURED WERE K3HWZ AND K3GAS AT DOC'S BIG.

WRITE THE INQUIRER FOR A COPY.

DID YOU KNOW

That when W3BQU, Ham had the Directors and XYL's at his QTH on July 12nd, his collie had six pups, 2 died. K3GAS, Doc cut and tied the cords?

That K3WEU, Paul, went into the Graduate Hospital the day after our picnic? No, we didn't make him sick, he just went in for a 10 day check-up.

That the father of our friend W3GCR, Mike passed away recently. Our sympathy, Mike.

ARRL INFORMATION BULLETIN DIGEST

Our request for a commemorative postage stamp honoring amateur radio operators has been approved. The Post Office Department has announced that the stamp will be issued sometime this year, with exact date to be announced later. This is in accord with our request that issuance be scheduled during the 50th Anniversary of the League.

We have submitted several designs by local artists. I understand the one selected is a very clean, simple and symbolic one of dials and waveforms, rather than more pictorial illustrations of amateur stations which presented some difficulty in proper stamp reproduction.

I have authorized the preparation of an official first-day cover by the Washington Press of Maplewood, New Jersey, the largest company in this field. We shall announce briefly in August QST, with more detail in September, the procedure by which amateurs (and others) may obtain first-day covers through our Headquarters office.

This is a significant action on the part of our government in recognition of the value of the amateur radio service, and we all have every right to be proud of the honor thus bestowed.

John Huntoon, W1WVJ Secretary ARRL

ARPSC

I'd like to make a clarifying statement re ARPSC. ARPSC is the combined AREC and NTS. The Amateur Radio Emergency Corps still exists as does the National Traffic System. The combined organization is called ARPSC, Amateur Radio Public Service Corps. So if you are talking about emergency corps, it is AREC, if it's the traffic system, it is NTS and if you are discussing the entire set-up, it is ARPSC. Okay?

Every ham should be in some part of ARPSC no matter how little. Remember, it is because ham radio qualifies as a service that it also qualifies for frequency assignments not as a hobby. You don't have to be an eager beaver to belong. Every little assist counts.

Are you a member? If so, is your card up to date, and are you doing what you can to help?

CU, 73, W3ELI, George Van Dyke SEC. Eastern Pa.

AND DID YOU KNOW

That W3INT, Doc and his XYL, Joan, recently returned from a motor trip to Alaska?

That K3CIV, Ralph is now home from the hospital? Send him a card of cheer.

JUNE QSO PARTY

By: K3LDM, Harry Brandt

Friday night, June 12, 1964, at 1900 hours, the temporary headquarters of Packratville was on its way to being known from Bermuda to New England. The local villagers thought something from our space had landed and was setting up camp.

At 2000 hours their fears were confirmed when the first tower rose above the horizon. They thought there would be missiles placed at its base for conquest of the earth. They were nearly right, that tower did conquer the Atlantic Seaboard all the way from the tropical waters around VP7CX to the still chilly waters of northern New England.

At 2030 hours, a shelter was erected to use as a base of operations for these creatures from the great beyond.

At 2045 hours another tower broke the darkening horizon. Their fears mounted as these creatures appeared, to them, to be well established and dug in. They figured we didn't even speak their language when they heard one of us mon-sters yell for an 807 and then a can would pop in the distance, or someone would say they wondered how the signal reports would be, while they were look- ing at the sky.

At 2130 hours another tower was looking skyward in the form of a sturdy pole which low clouds would obscure the top of at times. The construction and ease of erecting must have come from someone who possessed more than earthly intelligence. This Martian took the form of W2EIF.

At 2200 hours arrays of aluminum were seen to be checking their line of fire in all directions. The local townfolk figured the end was near. We had all sizes and shapes of things pointed at them. They also still heard 'another 807 please', and then that metallic sound would always accompany it. Maybe we were beginning to load those odd weapons.

At 2300 hours the new RF launching base was firmly entrenched. A lone sentry was posted. This Martian was K3DUW who immediately set up a makeshift antenna and using a G50 as a weapon, fired RF into Massachusetts to pass the time. The advance party left at 2330 hours.

The absence of the strange invaders was short-lived. June 13, at 1000, the strange group returned. This time they were unloading strange looking black boxes with dials and knobs on them. Also there were more of them, this time with odd looking, odd shaped equipment.

At 1100 hours a huge, gleaming 5 element cannon could be seen checking its field of fire. Its power packing qualities was 1400 miles. Not a local resident could be seen, all shades were drawn, not a motion. But the hustle from skilled workers completed the new site through the hours of 1200, 1300, 1400. Perfection was everyone's foreword.

At 1445 hours all cannons were loaded. The countdown started at 1459 hours, fingers were all on "Go" buttons.

1500 hours the invasion begins, all three glittering arrays were firing RF in all directions. By 1600 hours, the combined efforts of 3 stations produced 60 earthling contacts in 15 sections. By 2100 hours another station had fired its salvo. The count now rose to 257 in 36 sections. At the end of 24 hours, all equipment still "Go". W3CCX was heard by 589 earthlings in 47 sections, but contacts were getting less by the hour. A new mode was employed on 6 meters by the crafty hand of fellow Martian, K3IUV, who sat down and knocked out 4 CW kills. I believe Bert was sending SOS instead of CQ, but it worked. The sound of 'another 807 please' was getting more familiar to the local residents. Now and then even a laugh could be heard from our strange dwellers. Could we all be this bad? No, said one, as he came down to inform us we were trespassing on his property, which we had unintentionally landed on, but we assured him that our tower firing RF was being absorbed by the ether waves and would not spoil the milk in his cows. We also assured him that we would not take any of the local residents back to our strange planet with us. Meanwhile, back with the Contest. This writer was screaming CQ and SOS or whatever would get a contact.

At 1617 hours, at 50.25, an answer came back through our fine Interceptor saying the golden words, "W3CCX/P this is VP7CX"! We had not worked a new section in 13 hours. The band was dead. Not a hope of any skip. This one contact, being a new section, was worth 25 contacts from a section we had already worked. I have written a letter to Harold thanking him for coming up in the phone band to give us the contact. Eastern and Western Florida were also worked during this brief opening.

All signal reports we received were 5 by 9, in fact, one Florida station even gave us a 6 by 9 which shook everyone up. K3ACR was at the rig at the time and his voice was unintelligible for a few minutes after that report.

(Cont'd on page 4)

At 1400, the 220 and 432 stations broke camp.

At 2030 hours the 2 meter station did likewise. They both had worked everything in range.

At 2040, the crew lifted the tent off the 6 meter gang who still kept operating tentless, with K3ACR at the mike. By 2218, the area was void of any RF, tranquility set in. The few remaining intruders loaded their goodies and by 2315, 3 carriers were seen winging out of the area with the remaining strange articles. The invasion was over.

Four days before the contest, the rig we were going to use went sour. We had to have reliability and maximum power. A call was put through to WB2CDP, Lou, who brought his Zeus and Interceptor. He helped set it up, also logged and in general gave much moral support the entire weekend. This fellow member is a Pack Rat from the word go. He even got around to giving us a contact. Also Doc, K3GAS, who brought along his sideband rig (double), was there early Saturday morning. He just went ahead and did everything that he thought had to be done from tent pitching, logging, operating to taking pictures. To Jo, W3EIF, who ran 220 and 432. He brought along an antenna system that made us all look like amateurs. His score on these two bands was the best ever. To Frankie, W3SAO, who set up the 2 meter station and supervised its operation and who's touch of professionalism rubbed off on everybody. To K3ACR, Rich, who was there from Friday to Sunday night and was either operating or logging all through out. To all the others who came and gave a helping hand, my sincere thanks for making this contest a great club effort.

The final total is as follows:

<u>BAND</u>	<u>CONTACTS</u>	<u>SECTIONS</u>
6	474	20
2	169	16
220	76	10
432	34	4

Total Score: 37,65

Tnx to all,
K3LOM, Harry
Chairman

THE MICRO - MIND

Sent in by W3HKZ, E. Edw. Kushoos
(EEK)

If you should meet upon the street
A man equipped with dipole feet
And a family of curves trailing behind,
Beware this man of a micro-mind!

His eyes take on a neon gleam,
His ears extend like a yogi beam;
His mouth becomes a fast pulse gate,
His heart pumps blood at a video rate.

With microseconds and microwaves
And microvolts he filled his days;
And thereby in the course of time
He finally attained a micro-mind.

This ham with the passing years,
Attained infinite impedance between his ears
And finally succumbed to a heavy jolt
From what they thought was a micro volt.

The medic looked up from his microscope,
Turned to his colleague and softly spoke--
"No trace here of a brain can be found
This ham had a micro-mind."

Contributed by Don Klipstein

By the time this issue goes to press, our own picnic will have come and gone. We anticipate the best one yet. (Picnic report on page 5)

A flash just came in that the South Jersey Radio Assn. Picnic will be held on Sunday, September 13 at Molia Farms, Malaga, N.J. Entrance fee: \$3.00. Whfew!!

We hope that K3HSS, Charley, is feeling better after the loss of his pup. Come on Chazz, get back on the air!

We would like to thank all who had a hand in putting this issue together and getting it out in good order. Continue to send in articles, hints or kinks that have helped you, they may help someone else. Send in any old rough draft, our artists will take over.

PACK RATS PICNIC, AUGUST 9, 1964

By "Mother Rat"

The Ninth Annual Family Day and Picnic of the Pack Rats found the day a bit on the cool side but otherwise perfect weather prevailed.

This year we were joined by the Delaware Valley Chapter of the QCUA, the East Coast VHF Society, Inc., the East Coast SSB Society, Inc. and the Central Jersey VHF Society. Also visiting us were W3YA, Gil Crossley, Director Atlantic Division, ARRL and K2EFB, Guy F. Brenner representing the ARRL National Convention to be held in New York on August 21 - 23.

We had a grand total of 787 attending; 155 Non-Ham XYL's & YL's; 262 Harmonics; and 370 Hams. Even though it was cool, they got away with 90 gallons of soda.

We would like to take this opportunity to publicly thank the following contributors who helped to make our picnic a success.

MRS. CHARLES E. FEGLEY, SR.
MR. EMANUEL FINE
D & E PRINT SHOP (W2SPV)
BELL TELEPHONE COMPANY of PA.
GIMBEL BROTHERS
HANSCOM BAKERS
PENN FRUIT CO., INC.
HAM BUERGER
A. G. RADIO PARTS CO.
G. C. ELECTRONICS
AMERICAN RADIO RELAY LEAGUE
"THE MONITOR"
HOWARD W. SAMS CO., INC.
MASTER MOBILE MOUNTS
RADIO CORPORATION of AMERICA
PARKS ELECTRONICS
F. FERTIK & CO.
HERMAN'S SURPLUS
WORLD RADIO LABORATORIES
TEPABCO
SQUIRES-SANDERS (CLEGG)
COWAN PUBLISHING CO. (CQ MAGAZINE)
COMAIRE ELECTRONICS
AMERICAN ELECTRONIC LABORATORIES
EAST COAST VHF SOCIETY, INC.
BARRY ELECTRONICS
DAYSTROM INC. (HEATH CO.)
INTERNATIONAL CRYSTAL MFG. CO., INC.
PHILA. SAVINGS FUND SOCIETY
TASTY BAKING CO.
UNITED TRANSFORMER CO.
BURGESS BATTERY
WHIPPANY LABORATORIES, INC.
W3KKN, ERNIE
K3GAS, DOC
K3HJA, EARL
W3CPT, KEN

We would also like to thank all of the Pack Rats who had a hand in planning and running the picnic.

There were 72 Pack Rats and their families attending, and the surprise Pack Rat was W5NFD, George and his family, from Texas. The following Pack Rats forgot to sign in;

W2AXU, Jack; W3BVR, Ted; W3ZL, Harry; K3EMA, Pete; W3FSC, Ozzie; W3MXW, Joe; W3MFY, Pres; W3NSI, Lyn, Jr., W3GAS, Lyn, Sr.; W2SXO, Bill; W3ZTL, Myles; W5NFD, George and K3GDZ, Herm. We're not sure if K3EAD, Al, was there, but if he was, he also forgot to sign in.

When Frankie and I went to take down the signs on Tuesday evening we learned from the guard that a boy at another picnic in the area north of ours, known as Militia Hill was hurt and no guard was there. A ham up there put in a call to W3CCX/P and a guard was dispatched. Out of fourteen signs that were put up, we lost 6 to our friendly souvineer hunters.

LOST: 1 jacket belonging to W2ABQ "Mac" McCullough. Anyone having a jacket not belonging to them please contact Mac.

FOUND: Imperial Satellite 127, 3-way Flash Camera. Owner please contact W3SAO, Frankie, 215- DA. 4-7524.

We would like to thank each and everyone for policing their own area and leaving the park spotless.

A hearty THANKS to all for helping and attending.

73 & 88,

Frankie & Mother Rat, Chairmen

NOTES ON THE USE OF ELECTRICAL

INDICATING INSTRUMENTS

The talk given by W3SAO, Frankie at the March meeting and written by W3CPT, Kenneth Harrison.

1. Electrical Indicating Instruments, commonly called meters, may be divided into three basic types.

- a. Permanent-magnet-moving-coil (D'Arsonval)
- b. Moving Iron (Iron Vane)
- c. Electrodynamic

2. Permanent-magnet-moving coils are essentially d-c instruments but may be used for a-c measurements by use of auxiliary rectifiers or thermocouples. They are delicate, highly sensitive, and may be used for a wide range of voltages, currents and frequencies. They impose a very low burden on the circuit being measured and give very accurate indications.

3. The moving iron instrument is a rugged device of medium accuracy and is suitable for use on low frequency a-c only. They impose a medium burden on the circuit being measured.

4. The dynamometer type may be used for d-c or low frequency a-c. They have medium accuracy and impose a relatively heavy burden on the circuit being measured.

5. Voltmeters are essentially high-resistance, low current devices. Their sensitivities vary from below 10 ohms/volt to above 20,000 ohms/volt, i.e., the current drain on the circuit varies from about 0.1 ampere to 50 microamperes for full scale reading.

The loading effect on the circuit should be taken into consideration when selecting a meter for particular purpose.

6. Ammeters are essentially low resistance devices but in low voltage, high current circuits, their resistance should be carefully considered, especially when using multirange, self-contained instruments as the internal resistance may cause changes from one range to another. Most of the ammeters used in AEEL (That's a Dept. in Johnsville Naval Air Development Center) are actually 50 millivolt meters with the actuating potential derived from the IR drop across an external shunt.

7. Wattmeters are usually dynamometer type instruments and may be used on either a-c or d-c. Most of the wattmeters used in AEEL are high-power-factor instruments with a low current rating so that care must be taken not to overload their current coils on low-power-factor circuits, as the meter may burn out with only a relatively low scale reading.

8. Thermocouples, used for a-c and d-c measurements, are very delicate due to the very fine wires used in the element. Care should be taken not to overload them, as a 41% current overload represents 100% heat overload.

(next column)

Even though a slight overload may not burn out the thermocouple, its accuracy may be seriously affected. The serial numbers of the thermocouple and the meter with which it is used should coincide as each thermocouple has an integral calibrating resistor designed for use with one meter only.

Thermocouple type meters have a very slow response and several seconds are required for the meter to reach the correct indication so that they should not be used in rapidly varying circuits.

9. The following precautions are applicable to most types of meters:

VOLTMETERS:-

Make certain that the external resistors (multipliers) are placed in series with the instrument whenever indicated. Multiplier and meter serial numbers should coincide. Voltmeters should be open circuited by use of the integral switch or by connections when making changes in the circuit. Multirange instruments should be placed on their highest range until it is determined that the applied potential is less than the full scale of a lower range.

AMMETERS:-

are almost exclusively used with external shunts on d-c and current transformers on a-c. They should be short circuited when making changes in the circuit or when starting motors. It should always be realized that the starting current of a meter may reach eight (8) times the normal running current.

The proper calibrated leads should always be used between the shunt and the instrument.

WATTMETERS:-

are essentially combined voltmeters and ammeters indicating their vector product. The precautions applicable to the use of ammeters and voltmeters separately are applicable collectively to wattmeters.

Wattmeters should be connected into the circuit in such a manner that the power taken by either the potential or current coils causes the least error. A careful study of the circuit components will be necessary in order to determine the most desirable method of connection. The applied frequency should be within the instrument rating.

POWER FACTOR METERS:-

are subject to the same precautions in use as are wattmeters.

FREQUENCY METERS:-

operate accurately within only a very narrow range of applied voltage. They should not be subjected to any frequency below their design range.

THERMOCOUPLE TYPE METERS:-

should not be used on d-c unless double readings are taken with the current through the meter in both directions and the indications averaged. Special shielded leads should be used between an external thermocouple and the

indicating instrument.

CURRENT TRANSFORMER SECONDARIES should never be open circuited as potentials of several thousand volts will exist across an open secondary winding. A secondary shorting switch is installed on every current transformer. USE IT.

GENERAL PRECAUTIONS

For highest accuracy, all instruments should be used with the pivots in a vertical plane. Readings should be made, whenever possible, in the upper 25% of the scale for maximum accuracy.

All instruments should be kept out of intense magnetic fields, high temperature and high humidity, and dusty areas.

Periodic recalibration of all type meters is a prime necessity for accurate work.

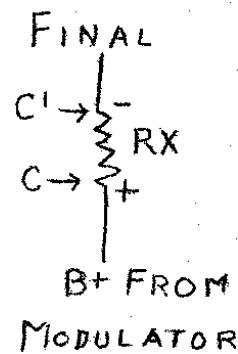
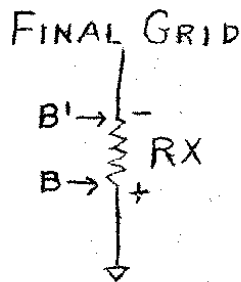
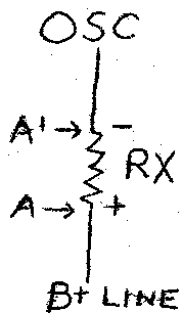
Metering of highly reactive circuits should be done with the utmost caution, due to the high surge currents encountered.

If an instrument must be operated below 60% of full scale reading, a special calibration at the operating point should be requested. The accuracy of a meter which has been dropped or overloaded is always questionable; it should, therefore, be recalibrated immediately. Except when using calibrated leads, connections to instruments should be made as short and as heavy as practicable.

The potential leads to a shunt should always be connected to the inner terminals.

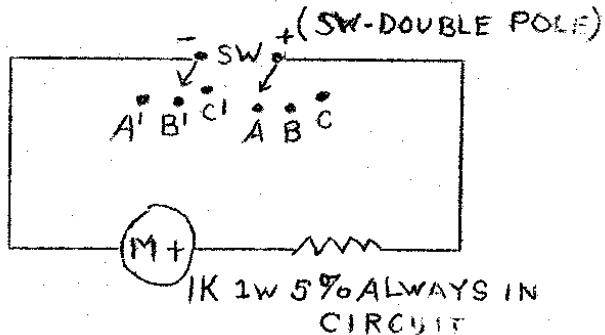
USING A 0-1 MA. METER FOR MONITORING TRANSMITTER FUNCTIONS

DE: W3IA, TOM COIN



ADD RX'S IN SERIES WITH EXISTING CIRCUITS
(RX'S - 1W - 5% RESISTORS ONLY FOR ACCURACY)

MOVEMENT DESIRED	RX
200 MA	5 Ω
100 MA	10 Ω
50 MA	50 Ω
10 MA	100 Ω



ARRL BULLETINS

In recent years, amateurs have been electrocuted and others have suffered injury, caused by the failure of bypass capacitors in the primary circuit of 60 ~ power supplies. This type of accident can be avoided by the use of a common ground system linking all equipment chassis to a water pipe or other good ground connection. Switch to safety and stay alive.

Through an unfortunate error, figure 3C, page 53 of August 1964 DST, shows the white wires incorrectly connected to the transformer and shield. This is hazardous because the safety ground wire should not carry current. The white wire should go to the lower end of the transformer winding and the green wire to the shield. Please correct the circuit in your copy.

TWO METER ACTIVITY

By W3LHF, Dave Zimmerman

The Spring and Summer UHF season is here and once again the ole' band is beginning to show some signs of life. Some of the small so called openings that have been happening are the result, I am sure, of nothing more than a few more fellows getting on to look for the stuff that is known to appear at this time of the year. Sort of bootstrap operation with the fellows creating their own openings. A good example of this is the sort of thing which occurs during every contest, all sorts of nice contacts are made with a dead band. To that old adage "you can't work them if you can't hear 'em" I would like to add "you can't hear 'em if you ain't on". The point to all this and the question heard from the northland is "where do the Rats go between contests?"

New England is heard every night these days and a few goodies here and there. Wayne Green W2NSD/1 New Hampshire, is on often passing out contacts without any chitchat for you fellows needing NH and he will QSL to any card collector in our group. K1ED/4 and W4VCC from Va are in most nights with remarkable signals.

By this time, most of you will have heard of the Field Day results of the club for the June QSO Party. Scores racked up by the boys on the various bands appears in another section of this paper so I'll skip any mention of these. This was probably the best setup we ever had and the team captain of the two meter group, Frankie, deserves a pat on the back for a job well done.

A few things have come to light as a result of this year's operation. First of all, we have the situation that happens in any operation of this type, too few of the guys doing too much of the work. I can see skipping out of the hard work of transporting the gear and putting up the antennas but at least some of the gang should be willing to lend a hand with the operating. Supposedly, operating ranks with beer guzzling as the fun part of the Field Day. Any contest is a co-operative effort and a little effort on the part of a few more of the gang could really make an affair like this hum. What say, gang, let's not let the other guys do it all!

The other bits of information to come out of the club operation is that a looonng john beam is a mite too sharp for comfort and receivers with two knob frequency control are not for those unfamiliar with the operation thereof.

An unconfirmed rumor has it that one of the contacts was with Frankie and a Twoer on the back of a horse, sort of horsemobile, and the report has it, that while ignition noise was low, what with Frankie using one hand to hold on to the Twoer, the other hand strangling the horse in an attempt to stay on the beast, there was no way to operate the push to talk switch. The horse refused to help. Any clarification of this tale would be appreciated.

73,

W3LHF, Dave

LUHF REPORT

By K3IUU, Bert Soltoff

This column will have as its aim the chronicling of the activities of our club members on the bands from 220 mc and up, also reports on band conditions and other active stations heard in the area. Descriptions of the new UHF projects at YOUR shack are solicited for presentation here.

To start off this month, let's look at what has been happening on 220 mc. In general, band conditions have been rather ordinary on this band in the local area. Although at least 30 of our members have gear on this band, most of the activity comes from a hard core of about 10 fellows who can be heard almost any night at 9:30 to 10:30. Those of you who haven't dusted off the rigs for a while, ought to join in more often. A lot of interesting things happen during the evening discussions on 221.4 mc. Weekly attendance on the Monday night nets averages about 14. Down at the low end of the band, W3UJG (Rockville, Md.), K2DZM (Rahway, N.J.) and W3HFY (Havertown, Pa) are heard almost nightly at 9:30 on SSB. There has been little other activity heard at this QTH. Whatever happened to the Lancaster gang?

On 432, again there is a lively group of local fellows on. The only club members heard recently are W3HFY (SSB again with a real potent signal), W3HKZ (on schedule only) and this station. Other calls heard are, K2HQL and W8242z in SNJ. W3GGR in Elkton, Md. and W3 in Wilmington, Del. who are heard almost nightly. Stations to the NE are not quite as populous, but frequently Mass. is heard on CW. There have been several good tropospheric openings recently. I understand that stations in Mass. have been worked on AM using only 10 watts. Those looking for reasonable gear to convert for use on the band, would do well to look into the various 2 way mobile radios now being offered for sale. The transmitters are easily converted for 432 and can run 50 watts in very readily.

(cont'd page 9)

(8)

On 1296, all we have so far are promises. I know that K2HQL and WA2EMB are converting their APX 6's and what about all the club members who have these rigs in their garages? Come on, fellows, let's get them converted and show that the Pack Rats are doing more for UHF than just winning all the contests. I would like to have another signal to hear besides the TACAN stations at Willow Grove and Johnsville. Don't forget that all the early work on 5 meters was done using modulated oscillators built from scratch.

See U next Month,
K3IUU, Bert

WHAT'S AROUND ON 6 METERS

By K3ACR, Richard Pattison

A lot has been happening since the last article and I will try to hit the highlights of the activity.

The band has been in mighty fine shape. Sporadic E openings were numerous and many fine contacts were there for the calling.

As in the past DX acts, the most attention. VP7EX, Harold, heads up the list and really put the Bahamas on the map. We do understand he is leaving in Nov., but VP7BG will still be there.

FG7XT, John, on Guadeloupe, accounted for another fine contact for the states. He did comment that this year was not too very good.

The VE1, VO1, VO2, FP8 group had their antennas down this way several times also.

K3WEU, Paul, had a fine vacation in Princeton, Maine, and made quite a few fine contacts in this area. He tells me of K3IUZ, John, being his usual unruffled self as he calmly worked Paul not fully realizing, I'm sure, where Paul was. I must admit at first I thought Paul was home when I heard his signal.

There were several west coast openings and I heard W2EIF, Jo, and W3OR, Alan, work Washington. But, as predicted, this year was not as good as previous years and from now on will get better.

Ground wave, so called, has been very fine as the sporadic openings became fewer. For the county hunters, it has been a big boom and the fellows to the north have excellent signals and are looking for Pack Rats.

Here is a real opportunity to show the local area we are active on 6 meters as well as 2 and 220 and do something for yourself in a county way.

K3LOM, Harry, has organized the new CHC Chapter 29 in Penna. with an ever growing membership of 35. So, anyone interested in certificate hunting and activity, get in touch with Harry. Several awards will be available soon.

Have a good vacation.

'Til next time,
73,
Rich

AN OPEN LETTER TO XYL'S

From K3JJZ, Elliott Weisman
8533 Algon Avenue
Phila., Pa. 19152

Here we go again. I'm stepping out of bounds writing this, but if any XYL feels that she has been insulted, wounded, misrepresented or just plain taken advantage of, then by all means please answer this letter. Cheese Bits will publish all answers or composites there of.

Fellows, gather around and listen. We have been taking the nagging and ridicule from Ham Widows long enough. Let us now talk about what the Ham Widows do in their spare time. Have you ever sat patiently waiting for the XYL to get off the phone so you could call a buddy to find out if his junk box contained a needed component, only to end up getting the information via ham radio since the XYL wasn't about to relinquish the landline? Did you ever
(next column)

time the length of the average female telephone call? Did you ever listen to hear what it is that takes so long to discuss? Or, even further out, did you ever complain to the XYL about how much time she spends on the phone, only to have the popular retort, "do I tell you how much time you can spend with the rig?" Whether you admit it or not, in most cases, they always do; of course not always directly, sometimes it is very subtle. When she figures you've spent enough time at the rig, she will send the Jr. Op. down with some such motherly remark: "Daddy wants you to help him." Did you ever stand on a swivel chair to reach for something only to have the Jr. Op. twist it and send you flying through the air with the greatest of ease? Some way to help Daddy, I'll tell you. Actually, what the XYL wanted was for the Jr. Op. to help cripple Daddy and that would keep him away from the ham rig for a while, or at least punish him for being there in

the shack in the first place.

It isn't so bad that all this happens but the real loser is the kid. He was just doing what Mummy told him and Daddy hit him for it. Who is the Villian? The OM, of course.

Well, gang, there is only one time when the XYL is glad you are involved with the rigs and that's when she wants to leave the QTH to play cards or go to a club meeting or to the movies or anything else. The best thing you can do is say, "have a nice time." Then take off for the shack and enjoy yourself. The only problem is that after this evening is completed, it counts as your night. The fact that the XYL went to the movies has nothing to do with it. You operated Ham Radio - it was your night. Now, outside of myself and K3ABK, I haven't heard anyone admit to an XYL problem. How many of you gentlemen are too chicken to admit you have a problem? How many have solved the problem and are too selfish to let the rest of us know how?

How many XYL's dare defend themselves?

K3JJZ, E1

(Editor's note: Send all replys to Elliott, not me.)

BIRTHDAYS

Belated good wishes for the month of June to: K3LOM, Harry; K3IUZ, John and K3IUU, Bert.

Belated good wishes for the month of July to: K3KUB, Walt; K3ZPS, Bob; K3FDH, Larry; WA2CDP, Lou; W3IXL, Ellis and W3MVF, Dave.

Good wishes for the month of August to: K3RCV, Jack; K3DUU, Alan; K3QFQ, George; W3OZP, Bill; K3JJZ, E1; W3ZRR, Ray; W3CPT, Ken; K3GQZ, Herm; K3HSS, Charley; K3HJA, Earl and WA2QCQ, Don.

COMMITTEES FOR 1964-65

At the Directors meeting of August 12 K3GAS, Doc appointed the following members to Chairman the following Committees;

- Membership; W3CL, Harry Stein
- January VHF Contest; W3LHF, Dave Zimmerman
- Ladies Night; K3HWZ, Grandpa Bill
- Program; W2EIF, Jo Kilgore
- Technical; K3IUU, Bert Soltoff
- Picnic; W3SAD, Frankie Brick
- Dropped from membership; W3ZEY, Russ Widger

Did you know that K3PXT, Carmen won a 25 dollar U.S. Savings Bond for the article he submitted to QST for the 50th Anniversary Essay Contest. See page 22, August QST.

SWAP AND SHOP

2000 V @ 500 ma. HV Transformer
2- 866 Rect. tubes and sockets
5 V Rect. Fil. Trans.
500 ma. Filter choke
6 mfd. 2500 V. Filter cond.

Make reasonable offer.

Don Lauer, K3GAY
1406 $\frac{1}{2}$ Chew Street
Allentown, Pa. 19102
215- 437-0132

Receiver SX 99
Transmitter Globe 90 A

Make offer

Wayne Cherry
6107 N. 8th Street
Phila., Pa. 19120
215- LI. 9-0790

Conducted by
W3ZRR, Raymond Whitehead
4534 N. Smedley Street
Phila., Pa. 19140
215- DA. 4-5910

Receiver HQ 150 with speaker and
large electric clock. \$125.00

Phil Schleifer
6032 N. 11th Street
Phila., Pa. 19141
215- HA. 4-9062

NEW PRODUCTS OF INTEREST TO HAMS by W3NSI, Lyn Rowland, Jr.

L* H

1- Heat Shrinkable tubing

Silastic heat shrinkable tubing is available in nine sizes from 1/8" to 1 1/2" diam. It will sheink to one-half its diam. when heated at temperatures above 300 F.

Uses in ham shack would be sealing and re-enforcing coax fittings, mike plugs and connectors, insulating tool handles.

Dow Corning Midland, Mich.

2- Tube Shields

Made by Atlee Corp., is said to reduce bulb temperature over 50% and puts no pressure on tube envelope during insertion or withdrawal. Available in T 5 $\frac{1}{2}$ and T 6 $\frac{1}{2}$ short, medium and long tube sizes. The Shields lock in place when snap ring is closed. Matching base ring is No twisting motion to lock.

Atlee Corp. 2 Lowell Ave. Winchester, Mass.

3- TVI Filter

Comaire Electronics has introduced a new filter unit called the T-2 for 2 meters and T-6 for 6 meters. Filter is used in TV lead-in and does not need to be tuned or adjusted in any way to result in 40 db attenuation in ham signals. Unit is shielded and input and output impedance matches 300 ohm ribbon.

Ham net 2.50 Should be available from Ham Buerger

MEETINGS

DIRECTORS- August 12 at QTH of
W3HKZ 2212 Oakwyn Road,
Lafayette Hill, Pa.

REGULAR - August 19 at the QTH of W3LHF
520 Centennial Road, Johnsville, Pa.
This meeting will have our usual fine
Auction Sale.

ARRPC- Wednesday, September 2 at 8 P.M.
Spruance School, Levick and Horrocks.

NEW MEMBERS

K3KUB Walter Randerson
2103 Fanshawe Street
Phila., Pa. 19149
215- DE. 3-4864

K3ZPN, Lloyd Schoenig
Red Lion Road,
Phila., Pa. 19114
215- NE. 7-4163

K3ZPQ Robert Elmer, XYL, Eleanor
1600 Olive Street,
Dreland, Pa. 19075
215- AD. 3-1323

PHONE NUMBERS

K3NMN, 215- TU. 6-4039
W3GXB, 215- OL. 9-3219

CHANGE OF CALL

K3KMN/5 to W5NFD (Retired Member #13)

CHANGE OF ADDRESS

K3BPP, Walter Bohlman
101 East Street,
Doylestown, Pa. 18901

K3BPP, V. A. P. 1968
~~Indiana School of College~~
~~Box 637, 637, 637, Room #05~~
~~Port Wayne, Ind. 46801~~

101 EAST ST.
DOYLESTOWN, PA 18901