

# PACK RATS CHEESE BITS

VOLUME II

W3CCX

NUMBER 8

MT. AIRY V.H.F. RADIO CLUB INC.  
PHILADELPHIA, PENNSYLVANIA  
NOVEMBER 1959

## GENEVA PROPOSALS

Sept. 15, 1959

The following are hi-lites from the many-page directors letters I receive. Each letter has been cut to pin-point only the necessary items of interest to licensed amateurs.

### July 17, Directors letter #1076 Preliminary proposals

Parts from a 869 page report.

1800-2000 Kc. This is not an amateur band: at present only shared in certain countries, India, Poland and Russia would delete any amateur activity.

3500-4000 Kc. Australia proposes 3500 to 3700 for amateurs, India wants to limit band to 10 Kc in lower portion. Russia proposes 3500 to 3650 Kc.

7000-7300 Kc. Australia, India, Poland and Russia pp, 7000-7100 Kc. Belgium, France, Italy and Netherlands pp. 7100-7150 Kc. with 100 watt limit power.

14000-14350 Kc. Australia pp 14000-14250. India pp 14000-14200 Kc.

21000-21450 Kc. no changes.

28000-29700 Kc. Australia pp 28-30 Mc., various other countries want, 28-29 Mc. 29.2 - 29.7 Mc.

50-54 Mc. Australia pp 56-58 Mc.

144-148 Mc. Australia pp 146-150 Mc. Japan pp 146-148 Mc.

Proposals up to 10500 Mc. will in no way affect the U.S. so far.

### August 27, Directors letter #1078

Initial session of the conference was held August 17. Only order of business handled was appointment of committees, (8). Number 4 has to deal with Freq. allocations.

### September 8, Directors letter #1079

Sub-committee on frequency allocations appointed 4-B, 9 to 4000 Kc.; 4-C 4 to 27 Mc.; 4-D, 27 to 10000 Mc.; 4-E, 10000 to 40000 Mc. Expect to start on 1800 Kc. soon.

### September 11, Directors letter #1080

Preliminary of proposals and frequency allocations hearing began. 1800 Kc in region, so far OK. (800-800) the word this belongs after the word in.

3.5-4 Mc.; Argentina and Russia pp 3500-3650 Kc. United Kingdom 3500-3800 Kc. Australia 3500-3700 Kc.

4 to 27.5 Mc. proposals presented its problems and have divided the delegations into two opposing camps. One of the opposition teams are led by the U.S.S.R. and Poland and supported by several Iron Curtain Countries.

Here- after reports will be listed as sections. The following is how it appears in reports sent me. Region I (Europe-Africa) II (North and South America) III (Asia-Oceanica)

The forgoing is condensed from some 50 pages of letters. I shall forward other reports on the conference as I receive them from the ARRL Headquarters.

REPORT #2

Extended on the Geneva Conference Re: Amateur Frequency Allocations

September 18, Directors letter #1081 (excerpts thereof)

Committee 4 examined spectrum between 27.5 and 136 Mc. There were about 6 different frequency proposals on the 10 meter band but so far not accepted. Frequencies above 30 Mc. so far remain unchanged.

September 24, Directors letter #1082

Still nothing new on the 10 meter band. Mostly discussed was non-amateur matters. No opposition to continuing 50-54 Mc. as amateur.

The 15 and 10 meter bands in the Canal Zone will be expanded effective October 1, 1959. 21200-21450 and 28450-29700 Kc.

October 2, Directors letter #1083 (things are happening)

No agreement on 80 meter band as yet. 14 Mc. band still under discussion on proposals as of last report. There was, however, a unanimous agreement on the 7 Mc. band. (Sumation of 2 page agreement)

- (A) World wide 7000-7100 Kcs. for amateur service
  - (B) Regions I and III 7100-7300 for broadcasting service
  - (C) Region II 7100-7300 Kcs. for amateur service
- (see last report for region designations)

As you see this will help clear up some of the 40 meter broadcast QRM (not all)

As stated in my previous report these are just proposals in brief form. A statement made by General Manager Budlong (who sends me these reports) "Since these reports are not classified as confidential, I trust you realize they may not be discussed openly, especially NOT on the AIR. If my frank discussions were to be bandied about on the air, as they would, - - - may cause rumors and partial truths to be circulated which would only result in harm to our cause."

This statement, brief but true, is just a reminder that though these proposals are still to be acted upon let's not make it rough for the boys trying to keep our amateur bands for us. Thank you.

Complete reports, in my file here, are at the disposal and may be seen and read by any League Member at any time.

All for now, 73,

Allen "Al" Breiner, W3ZRQ  
Assistant Director, Atlantic Division  
SCM Eastern Pennsylvania

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Editor's note: The above information may be had by any club upon written request to W3ZRQ, and may be used by OBS Stations or published as seen fit.

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NETS EVERY MONDAY NIGHT  
2 meters 144.2, 8:00 P.M.  
6 meters 50.2, 9:00 P.M.

220 at 10:15 P.M.

Publication gladly exchanged with other organizations.

ELECTION FOR ARRL DIRECTOR AND VICE DIRECTOR FOR THE ATLANTIC DIVISION

We know that by this time all members of the ARRL have received their ballots. We hope that each and every one of them has exercised his right to vote for the man of his choice.

I did want to print the names of the candidates, but Frankie had already voted and sealed the envelopes before I had a chance to get their names.

From what I read about the candidates, before Frankie voted, I would say that they are all good men, and the choice is a hard one.

As they say in the venacular, may the best man win. That's the one with the most votes.

No matter how it turns out, Congratulations to the winner. Maybe it should be the other way, congratulations to the loser it means less work for him.

ALL FULL OF HOLES

By K1LXD  
The OM is W1RJA

(The new car was a 1952 Packard)

Late last year we bought a new car and I was so proud of it. After the newness of it wore off (about two weeks) the OM started in. First he drilled a hole -- a big one in front of the gas cap. "That's for my center loaded whip for 75." he said. I cried, a new car and all full of holes. After a fashion I got over it. Then one day he said, "Hon, can you help me a min'?" Oh no! another hole; this one on top for the 2 meter whip. Well in order to get the wire through we had to rip all the top out and put it back. Now it's finished. --- We wired the front, then the back, then the roof, then the floor. Now tie them all together -- Duh! wrong wire. Now for the transmitter or something. Well we built a rack and started drilling again -- Oh, oh! off center -- soooo another hole. After 4 or 5 hours of hard labor and a dozen holes through the floor, we got the 2 bolts mounted in the rack to hold it. Well this continued. "Now it should work." he said. "CQ CQ CQ," no answer. "You try it and I'll listen from the shack." "CQ CQ CQ." No can hear a thing, must have connected the wrong wires.

Well at last we got all the wires straightened out so it works. Boy -- what a job. You should see the trunk wires --- plugs etc all over. Hope you never need use of it - no room left. This goes on for about 7 months with wires getting mixed up with the gas peddle and the sparks go a-flying. "Well-- someday." I said.

Then one day the OM brings home a 2 meter communicator. "It sits on the seat -- works real good too," he said. So it did. Then I got real gone on it. Started boning up on the code etc. to try my luck. It's really lots of fun, but is it worth the trouble and the holes?

One day he asked me to connect it up. I did. Let's see, this clip goes here, I hope, and what about this long one? That has to be grounded, someone said, so I did. Couldn't hear a thing but noise, band must be dead. Oh well, we'll leave it on and see what happens. Oh, oh!, after about 10 miles with it on, the OM discovered I shorted out the antenna by connecting the wrong clips. Now we'll have to rip all the wire out and put in a new coax. (p@xq@) I couldn't see what he was so mad about! It only melted a short piece of coax, so after that was cut and spliced everything was OK.

Now vacation time is here; let's mount the generator for the 12 volt system. More Holes! That wasn't so bad. I wasn't there so I don't know how many there were.

Now for the new transmitter for 75 and 10, etc. He had a bracket made to mount it as there wasn't room under the dash. Soooo-holes in the floor. Watch out! don't drill the motor too! Close call, phew. Well that's in, about 4 hours work again and 12 holes to put 2 bolts in. Oh, the poor dash. Well now she's in, just have to connect her up. No room now, only 2 in the front seat; and really she just fits. Misses the glove compartment by a fraction and the shift by 1/4" on the other side.

Well now, let's buy a new car. This one is old and all full of holes.

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Editor's note: Rae, you wrote this in 1953 and now here it is in print. You and I both know that an OM who is mobile will do the same thing to any new car.

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QUARTER CENTURY WIRELESS ASSOCIATION  
MEETING IN ATLANTIC CITY, SEPT. 26th.

On Saturday evening, September 26, 1959 W3CL, Harry Stein, and W3CPT, Ken Harrison and their XYL's attended a Quarter Century Wireless Association dinner meeting at Captain Starn's in Atlantic City.

W6IHC, Dan Olivieri, presently stationed with the 770 Radar Squadron (SAGE) at Ocean City, N.J. gave an interesting talk on overseas American amateur operation. Dan used to be employed by the State Department and had many interesting duty stations.

Here is a list of calls he has held; W5ICC, W5H8X, W4OHT, W5IGH, K6AIR, EI6Z, MO7BL, 4X4CV, Cn8HI, WA2GUJ, D4SP and now W6IHC.

Submitted by,  
W3CL Harry Stein,

\*\*\*\*\*

"FREE"

WEAR A PACK RAT LABEL PIN & BE PROUD

You may obtain yours by following the rules and regulations outlined below.

1. Each member has been assigned a number.
2. If you are present, your number will be put in the hat.
3. 5 numbers will be drawn at each meeting.
4. Members whose numbers are drawn will receive the pin at the next meeting.

IT PAYS U TO BE PRESENT

GET SOMETHING FOR NOTHING!

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NOTICE

Since so many have stated that they are wearing out their bifocals when looking for the address and phone number of a fellow member, I have taken pity on them and you will find a new membership list in this issue.

Each member is listed alphabetically by call.

\*\*\*\*\*

K.U.I.  
by W3HKZ, Ed.

The Army has requested temporary use of the 144-148 MC amateur band from Oct. 17 to Nov. 10, 1959 to operate VHF radio relay equipment in the vicinity of Fort Bragg, N.C. A large-scale military air-ground training exercise, Operation Dragon Head, will require the use of a large number of frequencies for operation of military radio communication equipment which will be concentrated in the area. The request was subject to the condition that interference will not be caused to amateurs. In the event that it does occur, it is understood that the Army will take immediate remedial action.

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FCC reports that a sample of approximately 100 violations notices issued to licensees of Class D stations in the Citizens Radio Service shows a wide misunderstanding of the purpose of the service. Of the sample, 44 were for violation of the "short-distance" provision; 61 for violation of the rule which requires communications to be carried out in the minimum practical time; 57 violations, off-frequency operation; and 3 for over-modulation.

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FCC FIELD ENGINEERS are running into their usual quota of odd-ball experiences.

At a Florida race track FCC staffers were called on to locate a tipster who was using a radio concealed in his clothing to flash race results to henchmen outside the track.

"Build - it - yourself" kits are causing various interference problems. One enterprising youngster in Oregon illegally broadcast "music by request" programs, giving his telephone number. He abandoned his enterprise with an apology when FCC engineers traced him down.

Another high school boy in New England bought a kit from a mail order house, connected it to a 40' antenna and started to broadcast to his neighbors. Interference resulted. Investigation showed that the radiation was in excess of that allowed, and the "do-it-yourself" operation was discontinued.

A high school teacher interested in radio, but not to the extent of seeking

a license, was discovered near St. Louis operating on an amateur Frequency and experimenting with various antennas and transmitters. To conceal his identity he used various call signs of domestic and foreign stations. When apprehended, his excuse was that he did not have enough time from his teaching duties to take the license exam. But he found time to dismantle the station.

Boats having radio equipment are required by law to maintain a watch on marine distress frequency, but how to put teeth in this law was a problem that baffled FCC enforcement people. In the Gulf area FCC engineers have tied in their operations with the Coast Guard. A CG helicopter takes an FCC engineer on flights over water where small craft are concentrated. By calling vessels individually on distress frequency it is possible to determine if they are on watch.

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SWAP AND SHOP CORNER  
by W3ZRR, Ray

For Sale; WRL VHF 6 & 2 HI-BANDER  
6146 F, plate modulated.  
1 1/2 months old. \$120.00

Contact K3IPM, Stan Smith  
6344 N. 8th Street,  
Phila., 26, Pa.

\*\*\*\*\*

For sale; 6 meter Gonset Com  
and 3 element beam.  
\$160.00

Contact K3CHR, Jack Wright  
4011 Lawndale Street,  
Phila., 24, Pa.

\*\*\*\*\*

For sale; Brand new National 6 & 2  
VFD \$40.00

Miller Grid Dipper \$35.00  
SX101 \$295.00  
HT 32 \$495.00  
HT 33 \$495.00

Rotators and Antennas  
Make offer.

The above articles are the equipment of the late W3ALE, Dick Kraus, who passed away on Sunday, September 27.

Contact his XYL, Mrs. Richard Kraus,  
Abington Court Apartments  
York Road, Abington, Pa.

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Please send in any items that you wish to sell or swap or need to,

W3ZRR, Raymond Whitehead  
4524 Smedley Street,  
Phila., 40, Pa.

Be sure that he receives them at least one week before the meeting so that they will appear in the current issue of "Cheese Bits".

## TEK-NIK-CUL CORNER

### HI FI INTERFERENCE

by K3GAY, Don

Hi Fi or audio interference is a familiar problem to the ham who operates the VHF bands. While he is not legally responsible to correct it, since it is due to deficiencies in the design of the audio amplifier and not to deficiencies in his transmitter design, frequently he is faced with the problem of maintaining good will in his neighborhood. In such a situation he may wish to correct the situation himself or assist the serviceman who is called in to correct it.

Audio interference is generally caused by a very strong VHF signal which drives the grid of the audio amplifier tubes into the positive region, where it acts as a diode and rectifies the VHF signal. Thus, it is immediately apparent that in order to remedy the audio interference, it is necessary to reduce the strength of the VHF signal in the audio amplifier.

Audio and Hi Fi amplifiers are not designed to prevent the pick-up of VHF signals. Thus, it becomes necessary for the amateur or serviceman to correct these design deficiencies. Fortunately, this is both relatively easy and inexpensive to do. While the author has had experience with a number of cases of audio and Hi Fi interference, and can make many practical suggestions, each amplifier has its own design problems and must be treated individually. Thus, the proper remedies for any given amplifier can only be determined experimentally.

When faced with a case of audio interference, the amateur or serviceman should supply himself with a pack of .001 mfd, or 500 mmfd, disk ceramic condensers, and a couple  $\frac{1}{2}$  watt resistors ranging in value between 10,000 and 100,000 ohms (preferably about 68,000 ohms). Always bypass each side of the AC line to the Chassis of the audio amplifier with .001 mfd. condensers as close to the point where the line cord enters the chassis as possible. Use virtually no lead length in the bypass condensers. Also do not rely on tubular paper condensers for bypassing. Experience has shown they are worthless at VHF.

Next, take a screwdriver with an insulated handle and touch various points in the amplifier wiring until all points where the screwdriver causes either an increase or decrease in pick-up have been found. These are critical points. From the circuit or tube diagrams determine what parts of the circuit are causing trouble and then apply the appropriate remedies.

In many audio amplifiers, all grounds are made to a common ground buss which is connected to the chassis at one end only. This common ground lead frequently is long enough to have considerable impedance for VHF signals. If this is a problem in the amplifier under question, bypass it to ground with a .001 mfd condenser near the ungrounded end.

Sometimes the pick-up is via the filaments or cathodes of low level audio tubes. If this is the case bypass the cathode pin to the chassis ground with .001 mfd condensers. Do not rely on the electrolytic condensers bypassing these cathodes -- they will not do the job.

If the pick-up is on the grid leads themselves, do not bypass them. A bypass condenser in the high impedance grid circuit will certainly reduce the response of the amplifier to higher audio frequencies and sometimes will not be very effective in reducing the VHF pick-up. Instead, remove all leads from the offending grid and connect a 68,000 ohm  $\frac{1}{2}$  watt resistor to the grid pin with very short leads. Next reconnect all the grid leads which were just removed to the other side of the resistor. This is shown in figure 1. The resistor, along with the tube and circuit capacities, forms a low pass filter (see figure 2) which removes RF without degrading the audio response of the amplifier.

These parts of the audio amplifier circuit are the usual offenders, although other portions of the circuit may be to blame in some cases. The judicious use of .001 mfd bypass condensers will usually clear up the trouble quickly. If the amateur should wish to ease the problem of audio interference without any work being done on the audio amplifier, changing from AM to narrow band FM will clear up the trouble, since grid rectification of a FM signal will give only DC.

(Diagram figures 1 & 2 on the next page)

TEK-NIK-CUL CORNER CONT'D

Figure 1. A Filter to reduce audio grid pick-up.

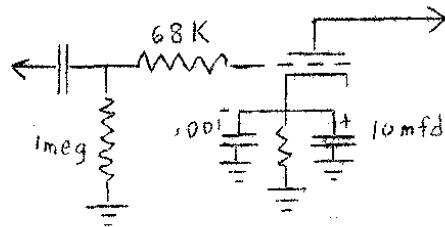
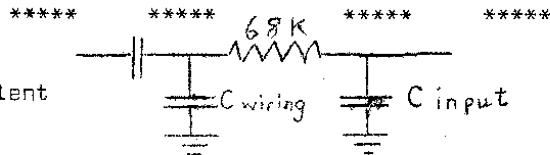


Figure 2. The equivalent filter circuit.



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HINTS AND KINKS

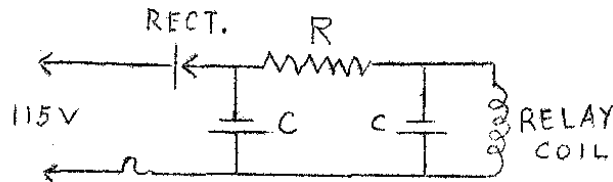
by W3SA0, Frankie

Converting a 24 V DC antenna change over relay for 115 V AC

Rectifier = federal 150 M.A.

R = 2000<sup>ohm</sup> 25 watt resister

C & C = 10 x 10 mfd electrolytic (insulated from chassis)



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Stolen from Auto Call, which they stole from BISON, K9IXD editor, who in turn stole it from Camella Capital Chirps, Fir Oaks, California.

"Does This Sound Familiar ?"

Following is the experience of a man who bought and installed a radio. He tuned in getting 3 stations on the same wave length. One was a minister, one telling a man the condition of the roads and the third a raising of poultry. Here is what he heard.

The Old Testament tells us that baby chicks should detour 1 mile south of Salina and listen to the words of the prophets. Be careful in the selection of your eggs, and you will find hard surfaced roads to Garden City. We find in Genesis that the roads are muddy just west of the hen house and clean straw is essential if you would save your soul. After passing through Marysville, turn north to Jericho.

Three wise men brought a large sized incubator on account of the bad detour. The baby chickens were troubled with pip and a bond issue is being talked of in the Holy City. Keep the feet clean and dry, live a life of righteousness and turn south 1 mile west of the school house. Much care should be taken on commanding the sun to stand still as there is a washout on

the bridge just south of Scotia, and the road to salvation is under repair, making it necessary for 70 degrees in the brood house at all times.

After Garborville, unless you do these things the wrath of the Lord will cause pin feathers to fall out.

Many are called, but few have any luck unless the gravel road between Robinville and Ferndale is mixed with feed. The Lord commanded Noah to build the Ark just 1 mile west of Ukiah. It rained for 40 days and 40 nights and caused an 8 mile detour just west of the brood house. Many tourist from the house of David are trying Plymouth rocks mixed with concrete and a desire to do so is right.

Author Unknown

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We are happy to report that Joanne Kenas is at home now and feeling pretty good. She is still under the doctor's care and must take insulin.

Bert and Ernie never knew that there were so many kind people in the world, nor realized the power of prayer, as when they needed them.

All they can say is "Thank you" from the bottom of their hearts.

COMIC SECTION

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DX HAPPY ?

(sub title) IS IT YOU OR ME THE MEN  
IN THE WHITE COATS WANT ?

The other day while cruising (tuning) from 75,000 Milli-stinps down to the low end of 20 septrup units I run across the oddest QSO in progress. Seems as though there was a DX-pedition some where in the area of Espor Van smear case/ sub lena or close to that point anyway. This as we all know is 256,938.2 $\frac{3}{4}$  minums straight up and a slight hee-haw to the left.

Further eves dripping revealed this DX-pedition had run across a time capsule that had gone astray some where during the 20th century. Whilst the QSO was in progress we got tuned up on their specific Microns and also got involved with some of the speech and of course there ensued a few old time recordings or play-bakes from the time capsule. Although the mannerisms of speech were not to antique we could not decipher the continuous slammings of broadcasts at that particular area.

There were numerous "Bread-break", "Rodger-rodger", "Kaelo-watt number 3" and the advertisements of "Whisky 3" being shouted back and forth to one another. This as we all know is a far cry from the general type QSO and conversation that ensues in a trans-portation of this day and age. Further listening revealed that transmitters (as they were called) had to tune manually and after the DX station was contacted the QSL card was sent via the government departments known as the post office. Some cards took as long as 300 to 800 days to encircle the globe. Often arriving at its destination after the operator had been deceased.

Although the amateur equipment of this day and age is a bit out-dated in reference to our commercial stations we still seem to be able to make WAEQ (Worked All Equestial Constellations) in a minumim of 600 days. The standard receiver now-days is the NUP or Neutro-Universal-Perceptor. It can be tuned by hand or by the motor driven scanner which is generally in use. Upon hearing the station you wish to contact of hold conversation with you merely pust the three purple, lavender and ivory buttons which turn off the scanner, and peak it to fine reception (less than 20 thousandths Kc. band-width) also fires up the Tele-Infraction-Pluminator. The third ivory button has a time delay involved so while the QSO is in progress and the operator at the other end acknowledges receipt of our call, which incidently is Astro-D-Hector Sub/2, and then the ivory button takes over.

A muro-delirum metal plate (some what simalar to stainless steel) 4" X 7" is automatically placed under the receiver flumo-graver. Although the whole QSO only takes a possible 2 or 3 minutes, the flumo-graver transfers the whole conversation plus a copy of his photo and his style and design of QSL plate.

Since time and space is limited at this time I shall not go on with details on the operational data of our Tele-Infraction-Pluminator but it gives you some idea of the obstacles we have to work against now days. Especially when a meteor storm or burst is in progress. Things are flying in all directions if the Flumo-Graver is not turned off.

One of the largest interference problems is when you receive someone else's QSL by mistake. That only happens when you tune in on the conversation with all three buttons depressed. Then its your problem to see that the other fellow gets his QSL OK.

That's all for now and if your interest selves further into neuro-tele-quadridynamics I would be glad to converse with you again.

Austa Levista.

Three Whiskies Que Are Zed (backwards that's short for AI W3ZRQ)

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Editor's note; This is what I told you about in the last issue. Now you can see why I told AI he has a hole in the head. Maybe that is why he addresses our mail, "Mt. Airy VHF Radio Sosassity, Frank Brick, Head Cheese".

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RESULTS OF LAST MONTHS COMIC SECTION

CONTEST

The following is the one and only answer we received.

\*\*\*\*\*

To the editor of cheze bits:

It doesn't seem hardly likely, that a photgraft of my old pappy could appear in yore paper. I sure am happy to see that he still looks as ceedy as ever. He reminds me of a young scalaway I used to know hereabouts Manacy City, but he was a city slicker from down Phily Way -- used to sell gold bricks to the farmers in this here location. He did alright too, but was found one night in cousin Leo's henhouse without his chicken inspector badge - so the last I seen him, he was headin down Mt. Airy way, about three jumps ahead of the constable.

Come to think of it, my ole pappy was hansomer than that pitcher in yore paper, so I should sue you for deflamation of caracter.

The Wider Ziegler from over the mount-

COMIC SECTION (cont'd)

ain has complained to the sheriff, that some old scare crow stole her well rope - pore old thing can't get a drink or warsh her dishes - looks like pappy used a piece of that rope to hold up his pants.

You also have misrepresented my ole pappy in another way too,- he don't no longer us a safety pin - not since he slipped and had a bad accident- bent the pin too - but that's another story.

I just looked a little closer at that pitcher and I notice that he is wearing one of those Chicken feed shirts. My ole pappy-bless his hide-was too proud to wear feed sacks, so it can't be him. It must be that city slicker I was tellin you about- his name was Stone or cement or Brick or Somethin, anyway I gotta go tell the sheriff before I forget, so, so-long fer now.

Eben Ezer

\*\*\*\*\*

Dear Eben:

Sorry to let you down this way, but you do not win the three pieces of cheese, as it is not yore ole pappy. Howsomeever we will split with you and send you one and a half pieces since you got it on the second look,

Ifen you tell the sheriff you better hide the closet in, as I'll hop the bus up and blast yore hide with buckshot. You've got me so that every-time I see a stranger, I say to the little lad, "Run the steps up, and look the window out, and see if the man's turned the corner around yet."

Fergot to tell you, you and that there artist done got the wrong location. Cousin Leo is from Mahaney City, we are the other side of the mountain on; Quakake, and cousin John, is frum the other mountain around; Delano.

Yore's Grooley,  
Editor.

\*\*\*\*\*

REMEMBER ?

Remember when the 2 meter band was hopping? Not too long ago. When you turned the receiver on, you had a hard time separating the stations. Most activity was located at the low end, so the FCC allowed the Novices to get on in the middle section. The activity there was pretty good for awhile and then suddenly dropped off. The Novices got their general (we hope) and moved down the band. Then the middle section was opened to the Technicians. When we call for them on the Monday night net at 8:30 P.M., where are they?

May I, as an outsider, make a suggestion? Call for the technicians on the 144.2 frequency and listen at 145.2, if no one comes back, don't sign the net out. You worked hard for that time.



K3HWZ, Grandpop Bill is in Ohio. Found out why he calls himself Grandpop Bill; 18 Grandchildren.

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K3GFF, George, had X-Rays taken. Doesn't have to go to the hospital as yet. Says amateur radio was sure a big help in keeping his spirits up. Sends his thanks to Ralph, K3CIV, for the encouragement.

\*\*\*\*\*

W3KKN, Ernie reports that the flowers sent to Joanne had to be put in two vases. When she was able to read her cards, the first one on the pile was from the "Pack Rats". With all the cards sent her, the hospital staff says that she was the most popular child. Dr. Kiley, pediatrician, K2DXT offered Ernie the use of his rig.

\*\*\*\*\*

W3VGN, Harvey, has a very bad cold and W3AYG, John suggested that someone send a bottle of Dristan, by special messenger to "Harvey the Rabbit."

\*\*\*\*\*

K3CHN, Seymour has requested a leave of absence from the nets and meetings due to attending evening school.

\*\*\*\*\*

K3CIV, Ralph had a slight heart attack and was in the Temple Hospital but is home now. He now has a very bad cold. He was so pleased to find out that he is not the stinker (his word) that he thought he was, and s nds his thanks to all who sent him cards.

\*\*\*\*\*

Congratulations to Ernie, W3KKN on his promotion at work. They gave him a broom, instead of the pointed stick to clean with.



MOTHER RAT SQUEELS, (cont'd)

SPECIAL AWARD to W2EIF, "Grandpop" for galloping up to the aid of K3GQZ, "Herm the Germ" in his recent battle with the "Tennessee Valley Indians". For your valiant effort, Joe, we award you one 15 lb. round of sharp cheese.

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W3CFS, Ed, "the old culvert stuffer" replied to W3BRU, Frank, "the milkman", about the certificate from Chester County, that two had been mailed to him, but Frank never received them. Ed asked K3GQZ, "Herm the Germ" what he had to say about it. (Ed and Herm are mail men) Editor's note: All I can say, Frank, is that there must be a "Culvert Stuffer" in Perkasio.

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John, W2RFM/3, very graciously loaned a Gonset Communicator for 6 to K3CIV, Ralph while he was in the hospital. The only trouble was that there was too much steel in the building and he couldn't get out.

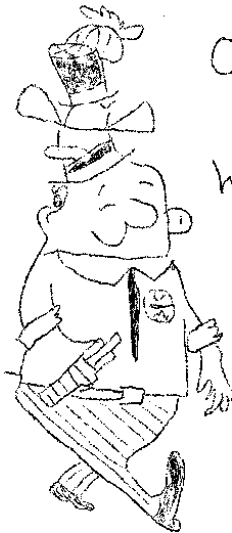
\*\*\*\*\*

Who was the Rat that had trouble receiving, and later found out that he had the 2 and 6 meter antennas hooked up to the wrong converters? It didn't help his transmitting much either.

\*\*\*\*\*

Ye editor would like to let you know that she is proud of the name "Mother Rat". First of all; because you are a fine group of fellows. Second; because when "Uncle Ern" came home from Albany; with all his troubles he didn't forget to say "Mother Rat" when he called me on the landline. After all, what's a name; A rose by.. any other name smells.

\*\*\*\*\*



OUR  
PREZ,  
W3CL  
SEZ

\*\*\*\*\*

Again we come to the crossroads of another V.H.F. Sweepstakes Contest in Jan. I am not going to berate you to be active on the contest. I believe

you know your obligation as a Pack Rat, but I thought the following excerpt from a guy that knows, would interest you.

HOW I CAN HELP THE CLUB WIN

ATTENTION TO ALL V.H.F. CONTEST

PARTICIPANTS:

Is that rig and new beam you have been talking about for sometime been put through it's paces? If not, get busy, IT'S CONTEST TIME.

Perhaps some of the newer members in our club do not know about this V.H.F. contest. It takes place January 1960. Each year the ARRL sponsors this rat-race. Some say unless you haven't participated in the event, you haven't lived yet. (Like not being married and free as the breeze.)

This is the year when the PACK RATS, that's us, can write some history. If you are looking for a lost week end and some Snappy operating, THIS IS IT.

Let's live it up, let the PACK RATS crawl out of their nests and reach the top.

It's true that there can be only one winner in a contest. Our club can be this winner, if all of us get busy NOW. Looking at last year's score the first 10 operators from the E. Pa. section outscored by 15,000 points the S.N.J. section. This amount of points cannot be easily overcome, yet it was. Here is how: Total amount of participants almost 2 to 1. A few dual operator scores.

Let me tell you how to overcome this margin. Bring a few more members into the club. Set your sight on a good score. What I mean is a good score - DO NOT go to sleep until you have worked 100 stations on each band. This may sound silly, but very easy to do. Our membership is 70. Think of working just your own brother rat on both bands, and you will have 140 contacts. This would make your score read as follows: 140 contacts x 2 = 280 x 10 + 3 = 3,640 points per member. Aggregate club score: 3,640 x 70 = 254,800 points. This is possible by just working Pack Rats. Put your beams over into S.N.J. to swell your scores. Sounds fantastic, doesn't it? Don't forget N.N.J, Mobile Sixers and other clubs.

Look for DX when the QRM dies down.

Get in there this year and give it YOU KNOW WHAT.

(Editor's note; before we go any farther, I would like to explain the +3 in the individual score. Our membership comprises S.N.J., Del. and E.Pa. Three sections.)

Last year, when we shut down the x-mitter, after operating 34 consecutive hours, (you guessed right, NO SLEEP) and climbed the wooden hill to go to bed, I kept saying, "DID I GOOF?"

V.H.F. CONTEST (cont'd)

When I want to work I kept thinking what mistakes I had made. Was I on the right band at the right time? Did I keep my Skeds? Was my set-up correct? Was it efficient? Did I use a good check-off system? Was the antenna good enough? Was everything at my fingertips, (pencils, pads, key and mike?)

Club members, the V.H.F. Contest is not an everyday affair. Get busy now and start making your equipment versatile and easy to operate. Make everything work with one switch ON and OFF and you have it made.

These are some of the maneuvers I go through each contest. Knowing my equipment is working OK, I set up my station in this fashion. Sit myself down in a comfortable chair at the operating position. Get rid of the speaker, you don't want an audience. (Aside to the author; I want the speaker left in so I can hear who comes back to Frankie.) Give the XYL the word that you will be out of this world for 2 days and nites. USE CANS (Head-Phones). Place my own log sheets in front of me. Place key to the right of me (I'm right handed, not QLF) and place ON & OFF switch to the left and the foot switch under the right foot. V.F.O. to the left, Switchable converters for 2 & 6 meters on top of the receiver. Thru line wattmeter either side of the converter. Transmitter near a window to cool it off, Hi. (A fan does the same job.) Check-off list to the right and left of the receiver. Microphone hanging, if possible, about 6 inches from my mouth. A bucket, partly filled with water, (for butts). Chewing gum, aspirin, the weeds and a big pot of coffee on an electric stove.

Now let the heaven's fall, Hi. REMEMBER: nothing on the table but LOG and pencil in HAND.

This contest is not a rag chewing fiasco. Deliver your message, receive same. THAT'S ALL! Don't go through a long rigamaroll; like so: Well 73, 73, 73, 73 hear me on again sometime give me a call after the rat race, 73, 73, 73, I'll be seeing you, 73, 73, 73. DELIVER YOUR MESSAGE AND RECEIVE HIS OR HERS, then QRZ the band. DON'T give a 3 minute CQ. Here's how to call: CQ, CQ, CQ, contest, de W3---, W3---, W3---.

When you finish a contact, listen to that frequency before you touch that dial. Someone may have V.F.O.'d on the frequency. If you know the fellow's handle, use it. Sometimes it gets you a contact.

DON'T FORGET, amateurs are GENTLEMEN!

THESE ARE A MUST

- 1 - Use good operating procedure.
2 - Keep a neat and accurate log.

- 3- Use a check off system of stations worked.
4- Deliver your message and receive same.
5- Monitor frequency before transmitting.
6- Stay inside the band. (Don't be disqualified.)
7- Keep splatter down.
8- Keep key clicks down.
9- V.F.O. like a crystal.
10- Check bands for greatest activity.
11-A few more watts won't make the contact.
12.Keep things cool, including yourself.
13-Be obliging if asked to repeat your message.
14-GET YOUR LOGS IN EARLY TO THE CONTEST COMMITTEE.
15-Don't forget CONELRAD.

Well what do you think of it now? Enough said. Wish you luck and your cooperation in the 1960 V.H.F. Contest.

73,
Harry Stein, W3CL

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Harry, do you really want to know what I think of it? Well, he didn't miss an operating point, but he did forget the milk for the coffee.

73, 88,
Mother Rat.

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FROM THE MAIL BAG

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"Six Only"
609 Glencroft Cr.
Folcroft, Pa.

"Cheese Bits"
Mr. Frank Brick,
829 W. Fishers Ave.,
Phila., 41, Pa.

Dear Frank:

I would like to take this opportunity to congratulate you on the fine job of editing "Cheese Bits". I enjoy reading each issue and at times have "borrowed" some of your articles for publication in "Six Only."

We are in the process of reorganizing our bulletin staff, and as a result, hope to make some improvements in our paper. If at any time any of your club members have something to sell or swap, we will be glad to put the item in our "Swap Shop." There is no cost or obligation for this service.

(cont'd next page)

MAIL BAG (cont'd)

Please check your mailing list and forward all future copies of your paper to the above address.

Hoping to continue our friendship through our mutual interest, I remain

Sincerely yours, Harold Unruh, W3TXD Editor "Six Only" Mobile Sixers Radio Club.

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Now we know why we have not received "Six Only" for a couple of months.

Hal:

You broke my widdle heart. Frank is not the editor, he doesn't even know what's in "Cheese Bits" until he reads it. Hi.

Helen, XYL W3GAD

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LATE SWAP & SHOP ITEMS

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SWAP: 25 watt Xtle controlled Modulator, pair of 6BQ6, own power supply. Swap for 12 volt Xtle controlled mobile converter.

Contact; K3BEF, Albert Shane 5624 Marvine Street, Phila., 41, Pa. Wa. 4-6429

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SWAP: 6 Element Telrx beam with 22' boom. Swap for 4 Element Telrex or will sell.

Contact; W3JMI, Wilford Jones 542 Fairway Terrace, Phila., 28, Pa. Iv. 3-1941

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Made contact with K3GAS, Saturday the 17th. Kiddingly we said he needed Pepto-Bismal. He came back, "The handle here is Doc, and I'm a dentist. That makes the call real Gassy."

Look for Doc on the six meter nets.

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W3GX8, Bob has pictures of the boat trip and will make enlargements for anyone desiring to have them.

\*\*\*\*\* list

In the new address, you will notice that K3EMR is out of alphabetical order. That was caused by the ringing of the doorbell and when I came back I skipped his call. Didn't notice it until I mimeographed them. As punishment for my boo-boo I typed it 110 times; once for each list.

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Sorry to read about the upset in the Editorial staff of "Harmonics". Hope you get your difficulties straightened out soon. We hate to see any publication go "up the creek", especially one that has been published as long

as "Harmonics."

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Aside to W2BLV; There was no need to apologize, but it was a way to get my name in the paper, wasn't it? Hi.

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OFFICIAL BULLETIN NR 723 FROM ARRL HDQ WEST HARTFORD CONN. OCT 16

TO ALL RADIO AMATEURS BT

Indications of 50 Mc. are that world-wide DX may soon be workable again from most parts of the country. Contacts with South America have been made from Southern sections of the United States, and openings to northern areas are expected soon. The period Oct. 24 to 26 is promising for this work. Watch for signs of aurora at night, and for South American DX the following day. European television signals near the 50 Mc. band were heard in New England the morning of October 15, for the first time this season. While the m.u.f. for the North Atlantic path is not expected to rise as high as last year some work with Europe should be possible through the fall. Norwegian and Swedish amateurs still have permission for 50 Mc. work. Crossband contact with other Europeans should be possible by listening on 28 Mc. and transmitting on 50.

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Past Events

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THE ALMO SHOW

On Tuesday October 20th, if you didn't go to the Almo show, at the Drake Hotel, you missed a fine display of new and regular equipment and accessories by the manufacturers.

Six radio clubs in the area participated with displays. The club prizes were awarded in the following sequence.

- 1st, Mt. Airy VHF Radio Club
2nd, Penn-Jersey YL's
3rd, Phil-Mont Mobile Radio Club
4th, Delaware Valley Radio Club
5th, North Penn Amateur Radio Club
6th, Bucks County Amateur Radio Club

Joe Welch, from the FCC gave exams for General and Extra Class licenses, and quite a number of Hams took the exams.

We would like to thank both Almo Radio Company and Ralph Garrick for the opportunity to participate in the show.

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First and second prizes were, after a sort, a family affair. Penn-Jersey YL's, W3FTP, Marion Parker and W3TNP, Bert Kenas are the XYL's of "Pack Rat's" W3CKP, Warren Parker and W3KKN Ernie Kenas.

UNITED NATIONS WEEK - K3UN

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The week of October 19 to 25 has been set aside as United Nations Week by Mayor Dilworth, and the city loaned their Mobile Communications Unit to the Delaware Valley Council of Amateur Radio Clubs to set up operations for the Public to view, and listen to hams from all parts of the world. The unit is on display on the Northeast Plaza of City Hall.

I stopped in to see it on the 21st, and they certainly do have the equipment, Collins, Barker & Williamson and Johnson Viking.

The gear that K3DVB, Bill, was firing-up consisted of; Collins 75A 4 receiver, Barker & Williamson 5100-B Transmitter, 515B-B Single Sideband generator, LPA-1 Amplifier and LPS-1 Power Supply. Unfortunately he was having difficulty tuning up the 5100 and I had to leave before he made any contacts on 20. Barker & Williamson donated their equipment.

(An amusing sidelight on my visit) Bill told me at the Almo Show that he would open the unit around noon. Since I had a CD meeting in the Mayor's Office, I told Bill I would stop in to see it. I got out of the meeting about 12:15, so I waited by the elevators for the unit to open. At 12:30 something amusing happened, which made me laugh, and in passing time I told the starter that I was waiting for the Unit to open. Then things started hopping. She got on the phone and wanted to know when and why. She told the operator that I had been waiting for an hour and a half, then she gave me the phone and told me to explain it. The operator called all over, and it wound up that no one in City Hall knew anything about it. At 12:40 I saw Bill get off the elevator and I told him to take over. I knew he had to eat lunch before he come over.

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MEETING NOTES

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At the meeting, held on October 21st, our speaker was W2EIF, Joe. He gave an interesting talk on Tunable Converters for 2 and 6 complete with diagrams. He also explained the conversion of the ARC 5 for VFD. He was assisted by W2KFC. Joe also brought along about 100 chassis which were sold for 5¢ each. The money was turned over for the upkeep of "Cheese Bits".

\*\*\*\*\*

We sold 84 grab bags of equipment parts for 35¢ each, and the money earned was turned over to Mrs. Gelardi, as the parts belonged to Matt.

\*\*\*\*\*

A suggestion that we use the \$50.00 won at the Almo show to purchase small ham parts as prizes for next year's

picnic was met with unanimous approval.

\*\*\*\*\*

New members voted in are;

- K3EQD, Milton Miller
- K3IUV; Bert Soltoff
- K3EPB, Howard Fretz

You will find their addresses on the new list.

\*\*\*\*\*

Applications for membership were received from;

- K3HSS, Herb Sheinman
- K3CMS, Charles Lustick

Being pressed for time the applications were not read from the floor.

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Coming Events

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NOVEMBER MEETING

The November meeting will be held on Wednesday evening November 18th at the West Oak Lane Jewish Community Center, Sedgwick and Thouron Streets, Mt. Airy, at 8:30 P.M.

Our speaker will be, W3TYX, Bud, and he will speak on "Operating Procedure For VHF SS Contest."

Remember Bud was top man for 1959 SS, and he can give you some good tips.

\*\*\*\*\*

Congratulations to K3EMA, Pete. He took the examination for General at the Almo Show and passed. Just got it in the mail today, October 22nd.

\*\*\*\*\*

THANK YOU NOTES

We would like to take this opportunity to say thank you to the following for donating the gear and equipment used in the Almo Show.

- W3DR, Alan Vincent
- W3ET, Al Gegenbach
- W3PW, Phila. Wireless Inst.

We would also like to thank the father of Ian, K3ECB, for painting the sign used.

Last but not least, we would like to thank Ed, W3HKZ, and the members who gave of their time in planning and setting up the display.

\*\*\*\*\*

Grandpop Bill, K3HWZ, made me pull a boo-boo. He came home from his trip before the Almo Show and was at the meeting.

\*\*\*\*\*

*Check your gear now for any bugs. Be ready for S.S.*