



PACK RATS CHEESE BITS

VOLUME III

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

NUMBER 6

W3CCX

(50.2, 144.2 and 221.4 MC)

MEETING NOTICES LAST PAGE

OCTOBER 1960

Ho Hum, vacation time is over and now is the time to get back to work. Since the Heath Sixer seems to be of utmost importance shall start this issue with our small contribution. We shall start off with an answer to a letter written by Jack Power, W2AXU to the ARRL. (Shall shall, Gertrude Berg?)

August 9, 1960

Dear Mr. Power:

In response to your letter concerning the "Sixer", we became aware of this situation some time ago, with the result that we obtained a kit and assembled it to verify the reports we were getting concerning f.m. and frequency shift. The complaints seemed to be quite justified.

A number of modifications made here improved the performance in this respect, and we then communicated with the Heath Company. The Kit is now being redesigned.

We plan to run in QST the modifications worked out here as well as some that have been contributed by others.

Sincerely yours,

George Grammer,
Technical Director

While on vacation, Frankie used a borrowed "Sixer" and sent a letter to Ed Tilton asking him to send the modification to us for reprint in "Cheese Bits". Upon return from vacation the following letter was waiting for us.

August 30, 1960

Dear Frankie:

Your letter was given to me for answering since I was the one who tried out various Sixer modifications here.

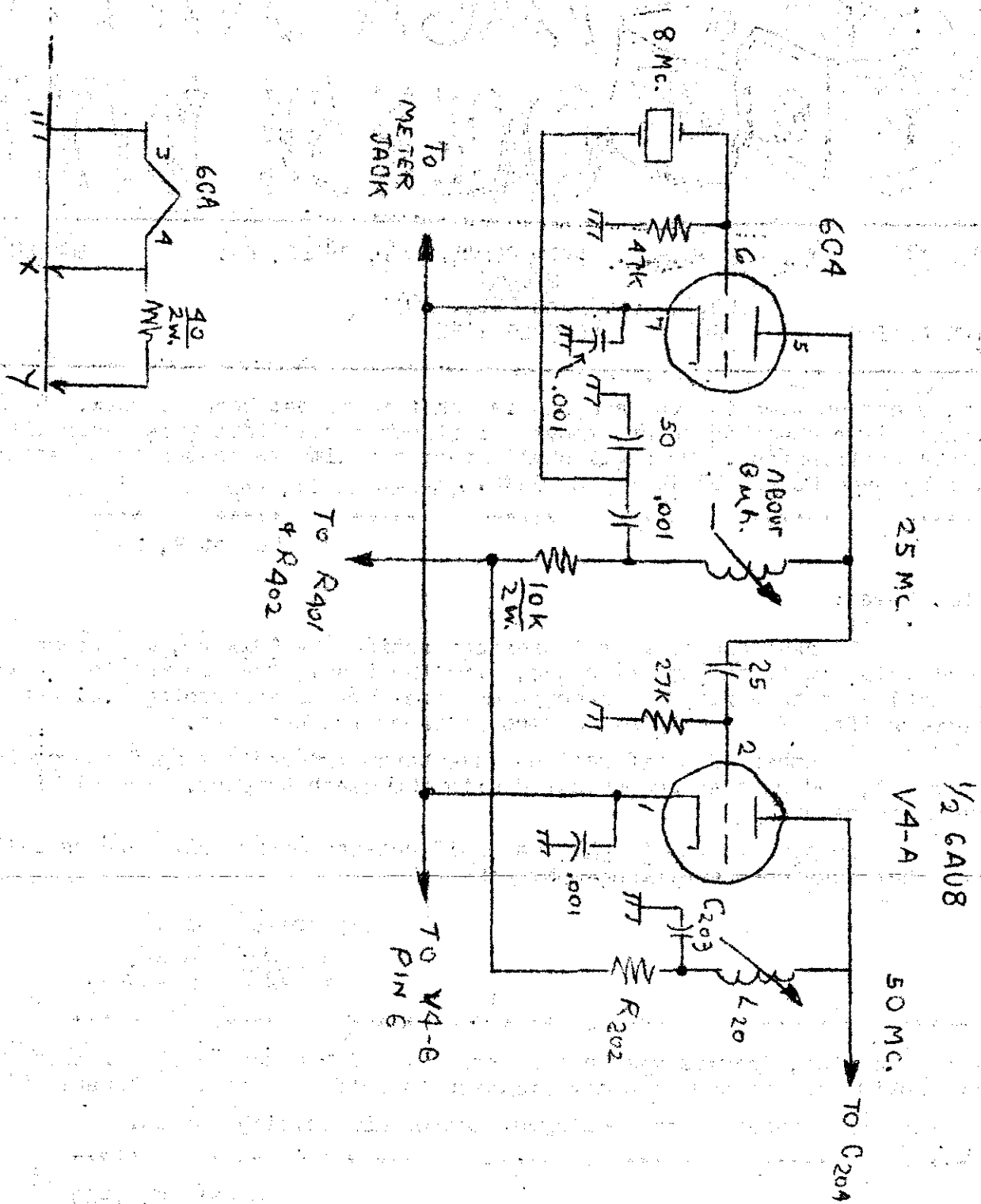
Enclosed is a circuit sent in by W9AMH which was tested and found very satisfactory. The idea is to add a 6C4 oscillator stage (overtone type using 8-Mc. Crystals for output on 25 Mc.) and convert the Sixer oscillator to a doubler from 25 to 50 Mc. This results in a very stable signal, free of FM, from the less expensive 8-Mc. Crystals.

The 6C4 and associated parts are mounted on a small L-shaped bracket fastened to the panel behind where it says "The Sixer." The plastic nameplate is removed and its mounting holes are enlarged to take a new crystal socket. The L bracket is held to the panel with the same screws which hold the socket. The old crystal socket can be removed, and the wiring from the 6C4 is run below chassis through the holes left from the old socket. I hope this is clear, but anyway, the item will appear in the October QST complete with a photo.

Other suggestions: Change the mike amplifier grid resistor from 10 megohms to 1 megohm. This cuts hum and doesn't reduce the gain enough to say so (there's already more than there should be). Also, drill a pair of holes in the top of the cabinet above the tuning slugs of L201 and L202. Then these can be touched up without taking the unit out of the box. 73,

Mason P. Southworth, W1VLH
Technical Staff.

HEATH SIXER MODIFICATION



Sorry that you must turn the page sideways to read the schematic, but it was too large to copy the correct way.

In regards to the foregoing, we did receive a note from Ed Tilton stating that as of August 1, 1960 the Heath Sixer will be modified to conform with FCC regulations.

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MT. AIRY VHF RADIO CLUB INC.

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NETS: 144.2 Monday 8:00 P.M.
50.2 Monday 9:00 P.M.
221.4 Monday 10:15 P.M.

MEETING NIGHT: THIRD WEDNESDAY EACH
MONTH AT WEST OAK LANE JEWISH
COMMUNITY CENTER, SEDGWICK &
THORON STREETS, MT. AIRY.
8:30 P.M.

DIRECTORS MEETING: SECOND WEDNESDAY
EACH MONTH, 8:00 P.M.

CHEESE BITS OPERATES ON AN EXCHANGE
BASIS. ANYTHING PRINTED MAY BE RE-
PRINTED AS LONG AS CREDIT IS GIVEN.

144 MCS.

Somebody goofed, we have received no report from the editors.

220 MCS.

By W3KKN

The summer inversion season has given us some excellent contacts. It is now uncommon not to hear somebody on during the peak evening hours. On good nights, contacts are made into Virginia, Maryland, West, past Harrisburg, into North Jersey, Conn., New York, Rhode Island and Mass. Contacts are possible during QSO parties when expeditions set up on the hills of these states; Vermont and New Hampshire. Maine, however, has not been worked as yet in S.E. Penna.

The Monday night net continues satisfactorily. Highest number of call-ins on one night has been 15. Highest number of states in one net has been 6. Average number of stations reporting is 7.

Our net frequency is now 221.4 Mc. every Monday night at 10:15 P.M. local time.

The reason for moving from the low end has been the presence of interference there. T.V. set oscillators, radars and over loading from T.V. stations. The new frequency seems relatively clear.

The club has distributed 30 crystals, 8200 Kc base frequency-* multiplying to 221.4, to all people who have called into the net. These have been very well received by the 220 Mc gang. Many have told the writer and sent cards thanking the club.

Some quotes;

"Thanks to the Mt. Airy Club for the xtal.. Sure appreciate the gesture." W2LRJ

"Just returned from my vacation and found a surprize in the mail. Tnx vy much." W2BVJ

"A good move. Tnx fer xtal." W2DWJ

"The Mt. Airy Club is doing a good job and I always look forward to "Cheese Bits"." W1HDQ

"This is the freq (221.4) I work from now on, no T.V. Birdies at all. Thanks for xtl " W3CGV

"Youse guys is making the right move. All us north Joisey'll be wit youse guys." W2MTY

"Many thanks, the xtal works fine," W3UJG

Most of the stations active on this band are;

- W1AJR W3HIX W2QVH
- W2ADC W3HKZ K4RAY
- W3ARW W3IHT K2SMZ
- K3BPP W2JDU K2SPE
- K2BVC W3JYL W1UHE

- K2BVJ K2JLN W3UJG
- W3BYF W2KFC W3VIR
- W3CAJ W2LRJ W3CGV
- W2MTY K2DZM K2PCG
- W2DWJ K2PPC W3FEY
- K2HAZ K2QGQ W1HDQ
- K2QWE

* See "World above 50 MC" September QST.

VACATION REPORTS

Upon return from our vacation the following letters were waiting for us, EAST COAST VHF SOCIETY INC.

August 15, 1960

Dear Helen: (They do write to me once in awhile.)

Thank's very much for the kind words in your paper and will enclose a subscription to same. I don't mind being the Secy of the club, but pity those who have to read my poor typing. Hi!

Something I would like to let you know and the members, is that we pick-ed the date of our Annual Ham-Fest not to conflict in any way with another, but to tie in some what with the planned Convention the C.Q. Mag. had planned and that fell thru. It was to late for us to change our plans when they notified all about the cancellations. (It won't happen Nxt year)

A large number of Ham's did manage to attend both of our events tho. K1CRQ and party got here abt 3:30 P.M. and things were still going strong.

The counted registrations were-

- Hams - 554
- Non Hams - 307
- Children - 105
- Total - 941

The DX Hams were-VE3EFJ-K5CTQ-W0WET-W8UMI-#3 Pa.-#3 Mass.-#2Vt.-#2 N.H.-#2Maine-#1 R.I.-#14 Conn.

I pass this along four your club info and hope that it is not:misunderstood that we are blowing our horn, Hi!

One bit of news that you might like to know, W2NSD, Wayne Green had a booth and opend up his subscriptions to the new magazine he will edit, it's called "73".

That's it for now Helen, Gud luck to you and all the members of the club. Hope to see you all at South Jersey Ham-Fest.

73,
Jack Tompkins, K2HHS
Sec'y

Hi Jack:

We knew that the K1CRQ and his gang were coming up to you ham-fest. Glad to hear that they arrived OK.

Glad that you had such a large turn-

VACATION REPORTS (cont'd)

out at your affair. We don't think that you are blowing your own horn. After all, if you don't, who will? Hi.

73,
Helen.

***** ***** *****

8/23/60

To:-

Helen Brick, Editor of Pack Rats Cheese Bits.

If you like this and approve of it, I have now elected myself as your correspondent for Up State News. I have a means of getting this news first hand through my friend Alex Robinson who is now K3MXX.

MY VACATION ACTIVITIES ON SIX

Arrived at Al's home in the afternoon of August 2 up in West Wyoming, Pa. All was glad to see me because we have been buddies for a long time. His home sets off the road in between two mountain ridges, with a brook running in front of the house some twenty foot away. Boy, it's beautiful up there this time of the year. One glance told me it would be hard to get out with a Halo, but too late for that and I didn't have the time to pick up a beam. "Let's go, Al," said I, "you are going to take your Tech exam." When the papers were made ready he finished his exam and, believe it or not, 16 days later, Al was K3MXX. Boy, that's service. At this time I would like to add, that through the kindness of K3HWZ, I obtained a three element Halo, and through my very good friend, W3UZM, I got a forty watt transmitter running a lone 6146. I took my own VFO and Al had the receiver to which we added my Teckcraft Converter. By the time we got done setting up the equipment, putting up the Halo, eating, running around and so on, it was time to turn in. We listened in, but the band was not so hot. I would like to say that Al's XYL, Jane, was very nice about all the junk I brought along for this set up. Hi,

Well, the next day we went on six bright and early. Yes, we heard 8's and 9's and the locals. But those mountains and the Halo couldn't do much for us, sorry to say. With it all, we had lots of fun, and we worked four hams. (I hang my head in shame), wait till next year. We learned something and we'll get results, I bet-cha by golly, Hi. We talked to K3HNF, Felix, of Wilkes Barre, Pa; K3BNA, Otto, of New Jersey; K3LAB, Al, of Wilkes Barre, Pa.; then we worked K3CSL, Wayne of Wilkes Barre, Pa, who on April 27, '60, had talked to W3CL. Wayne asked me to pass his best regards along to Harry Stein. That finally ended our six meter activity. Yes, short, but enjoyable. Next year we expect to do much better.

UP STATE NEWS ON SIX METERS

By Captain Crisco
W3KXH

W3EGQ, Ralph Fitzgerald, of Shavertown, Pa. is a TV repairman, and doing very well. Lots of luck, Ralph. K3GHS, Bill Slosser, of Leham, Pa. reports lots of activity on Six Meters. Bill is rock bound on 50.4 Mc but is always listening for the hams here in Philadelphia. Bill's rig is; 6U8, 2E26 and a pair of 6146's in a linear Amp. He uses a 12AX7 to a 6L6, using low level modulation into the 2E26. His receiver is a 586. Let's not forget our good friend, Tom Newman, W3GTK, of Exeter, Pa., who is also very active and a nice guy. The Hams here in Philadelphia extend to you Hams up state the very best of 73's and lots of good luck. To the Up State Hams of Wyoming Valley, see Al, K3MXX of 777 West 8th Street, West Wyoming, Pa. for your copy of the Pack Rats Cheese Bits of the Phila. area, whose Editor is, Helen, the XYL of W3SAG. One years subscription costs only a dollar, and Helen does an excellent job.

Read the next issue for more about the Hams Up State.

73,
W3KXH

***** ***** *****

OUR VACATION ON SIX

Frankie and I arrived in Quakake, Pa. (Earthquake, as W2EIF calls it) on Monday August 15th.

With us we had; a six meter Halo, borrowed from W3HKZ; a two meter Halo, (mobile) borrowed from W3CPT; A Heath Sixer, borrowed from W3KKN; a two meter Gonset, borrowed from W3WED. Honest, the only things we didn't borrow was the call and the operator.

That evening, using the Halo and the Sixer, we managed to contact W3ZRQ. Al offered us a four element six meter beam and rotator. Al lives in Tamaqua, about 5 miles south of Quakake. The next evening we went down and picked it up and spent a good bit of time with him.

Two meters is absolutely out in that area. No contacts, and no activity.

After hooking up the beam and rotator, and pointing it directly south, we did manage to work, W3ASD, Smyrna, Del; W3CFS Phoenix ville, Pa.; W3DR, Glen Mills, Pa.; W3KKN, Willow Grove, Pa.; K3BCV, Allentown, Pa.; W2EIF, Camden, New Jersey and a fellow in Wilkes-Barre, Pa. We heard K3CIV and W3CL, but unfortunately we were unable to work them. The only time we were able to work directly into Philadelphia was when we attended the meeting of Mahanoy Valley Brass Pounders' on top of Locust Mountain in Shenandoah, Pa. Using a 40 meter dipole, pointed south, and a Gonset Communicator 3, we worked

Bert, K3IUV. At the risk of getting a shot in the head from W3ZRQ, I still say that to work into Philadelphia, on six meters, from up there, you must bounce your signal off a mountain. As you can see, we worked all around Phila.

We sure did enjoy meeting the members of the Mahanoy Valley Brass Pounders. Thanks for the invite boys, and we hope to see you all again at the dinner you are having on October 29.

On the Sunday before Labor Day, we visited Al, W3ZRQ, for the day. For awhile there we thought it was a hamfest. First came George (never can remember his call), one of the Brass Pounders, then came K3BCV, Charlie, from Allentown, with his wife and 3 children. He has to go, though. He is an exterminator. Then in came Leo, W3NWP, with his wife and child and a half. Our exterminator friend didn't have much of a chance with three Rats knawing at him. When we arrived at Al's, he was in contact with Brother Rat, Don, K3GAY, in Allentown, so we had a chance to talk to him. While eating a dinner in Al's back yard, two more Brass Pounders stopped in. A schedule was made to talk to K3BCV on his way home, so we brought Al's rig out into the yard making him temporarily portable. We worked Charlie until he went over the crest of the Blue Mountain. We would like to thank both Al and Evelyn for a wonderful day.

One Monday night, in answer to a CQ, we heard W3DUI/3 calling us, so we went back to him. He said he was in McAdoo, which is north of Quakake, so we turned the beam north only to lose him. So we turned it south again. W3ZRQ joined in the QSO. Emmet, W3DUI, asked for directions to where we were, so we gave him directions from McAdoo. We asked Al where he was as he promised to come up that night. To make a long story short, Emmet was at Al's house. Just a couple of "Sewer Rats". P.S. They did come up together. W3KKN, Ernie heard the whole thing and got a big kick out of them duping us. One thing we found out that night was one year when Al and a group were on Mt. Delano for the VHF S.S. they worked a W2 mobile to New York. It took them three years to find out that they were duped.

Well, home again and back to work.

PICNIC REPORT

Well the day didn't start out too promising, but we did have a crowd of 400 attending. We hope that everyone enjoyed themselves.

Listening in on two meters before the start we heard W3IBH mention that some hams from Conn. were already at the park, so we left early. Upon our arrival we found two cars in the parking lot. Sure enough they drove down the night before and slept in their cars

on the parking lot. Among our group we had a VE3, who was staying in New York and heard of the picnic and came down.

We would like to say thank you to each and everyone who attended. We had a good time, hope you did too.

We would also like to express our thanks to the committee for their fine co-operation. Without their help it could not have run so smoothly. Thank you's also go to all who donated the saving stamps. (Please share them with us through the year, so that next year we may get more prizes.) Speaking of prizes, we would like to offer a special thank you to W3DJ, Ray, for writing down the call and numbers of the prize winners. I, personally, want to say thank you to the members and W2EIF for the lovely tray. It is a pleasure to do work for you boys.

In line with the prizes, Radio Engineering Laboratories, Inc. always sends a gift subscription to the Blind Technical Press, and the club gives it to a blind ham. The following is a note from the recipient.

9/11/60

Mount Airy VHF Club:

Hi, Frankie. I received word from Michael Kraus, Long Island City, that the VHF club has renewed my subscription to the B.T.P. Please express my deepest appreciation to all the Pack Rats.

Sorry I could not get to your picnic this year.

Sincerely,
K3CCR,
Sam Brooks.

I don't know whether or not the members know it, but the club always sends thank you letters to the companies donating prizes. In regards to that we received the following letter from World Radio Laboratories.

Francis D. Brick
829 W. Fishers Avenue,
Phila., 41, Pa.

Thank you very much for your letter received August 24th.

We certainly want to thank you for taking the time to drop us a note in regard to your Hamfest. It is nice to hear that everyone had a good time. World Radio Laboratories is, of course, only too happy to help in a small way to try to make all Hamfests a success.

Thanks again for your interest. If we can be of further assistance, please contact us.

73,
Leo Meyerson,
WØGFQ

AUGUST 17th MEETING

As we were on vacation, Frankie was not present, but we do know that all who

attended the meeting held at the QTH of W3KKN, Ernie, had a grand time. We do know that K3ALK and K3MTL were voted in as members. (details on last page for your membership list.)

TRANSMITTER HUNT SEPTEMBER 17th

As far as I know, no one found the transmitter. They will not give me any further information. Maybe they want to hide it there again. In regards to the hunt I would like to quote from a letter received from the editor of North Penn Static.

"I will pass along your suggestion regarding the setting of non-conflicting dates for our announced transmitter hunt so that NPARC won't run over all you mice as we mobile our way about the countryside. (Incidentally, we still haven't found the LAST transmitter we hid). (Their wives would like us to find the two operators we lost then, too!)"

All I can say is, either their hunters are as stupid as ours, or their committee is as clever. Better luck next time.

800-800 BOX

Also quoting the letter from NPARC.

"I must also add (for your 800 800 column), that we were incorrectly quoted by your reference to the alleged fact that STATIC just completed one year of publication. Actually, STATIC has been published for over 6 years and it is the present Staff has just completed its first year of editing the paper."

Thanks for the note, Gene, and I apologize and congratulate the present staff. (I omitted the word "which" after the word "Staff" and "has" in the above quote.)

AN APOLOGY TO

THE FOUNDATION FOR AMATEUR RADIO

(A group of radio clubs in the Washington D.C. Area)

Due to the Jewish New Year falling on our regular meeting night the meeting was postponed for one week, making this copy of the paper one week late. The announcement of your Hamfest was made at our meeting on September 28. In the hope that this edition reaches our readers in time, we will print the highlights.

On Sunday, October 2nd the Foundation for Amateur Radio is holding a Hamfest at Gaithersburg Fair Grounds, Gaithersburg, Maryland. The grounds are located half-way between Washington and Frederick on old Route 240.

Admission, \$1.00. Bring a picnic lunch or buy one at the affair. Free parking, transmitter hunt, QSL contest, Rummage Sale, Auction etc.

Plenty of shelter in case of rain. Stations on the air; 3820, 29520, 50.40 and 145.20.

(We won't be able to make it, but best of luck.)

OFFICIAL BULLETIN NR 765 FROM ARRL HEADQUARTERS, WEST HARTFORD, CONN. SEPTEMBER 1, 1960

TO ALL RADIO AMATEURS BT

FOR ALL DX WORKERS AND AMATEURS INTERESTED IN THE ARRL COUNTRIES LIST THE FOLLOWING INFORMATION WITH EFFECTIVE DATE OF CERTAIN CHANGES IN THAT LIST ARE NOW ANNOUNCED. DETAILED INFORMATION WILL APPEAR IN THE OCTOBER ISSUE OF QST.

THE FOLLOWING CONSTITUTES EIGHT NEW AND SEPARATE COUNTRY LISTINGS EACH TO BECOME ACCEPTABLE FOR DXCC CREDIT AS OF DECEMBER 1, 1960.

DAHOMY REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH DAHOMY REPUBLIC STATIONS MUST BE DATED AUGUST 1, 1960 OR LATER.

NIGER REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH NIGER REPUBLIC STATIONS MUST BE DATED AUGUST 3, 1960 OR LATER.

VOLTAIC REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH VOLTAIC REPUBLIC STATIONS MUST BE DATED AUGUST 5, 1960 OR LATER.

IVORY COAST: CONFIRMATIONS FOR CONTACTS WITH IVORY COAST REPUBLIC STATIONS MUST BE DATED AUGUST 7, 1960 OR LATER.

CHAD REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH CHAD REPUBLIC STATIONS MUST BE DATED AUGUST 11, 1960 OR LATER.

CENTRAL AFRICAN REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH CENTRAL AFRICAN REPUBLIC STATIONS MUST BE DATED AUGUST 13, 1960 OR LATER.

CONGO REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH CONGO REPUBLIC STATIONS MUST BE DATED AUGUST 15, 1960 OR LATER.

GABON REPUBLIC: CONFIRMATIONS FOR CONTACTS WITH GABON REPUBLIC STATIONS MUST BE DATED AUGUST 17, 1960 OR LATER.

THE FOLLOWING CONSTITUTE DELETIONS.

FRENCH WEST AFRICA:

FRENCH EQUATORIAL AFRICA: DXCC CREDIT CAN BE CLAIMED TOWARD THESE TWO LISTINGS ON CONFIRMATIONS FOR CONTACTS MADE PRIOR TO THE INDEPENDENCE DATES OF THE AREAS CONCERNED AS LISTED ABOVE.

FOR MORE DETAILED ANNOUNCEMENT OF THE ABOVE SEE DXCC NOTES OCTOBER 1960 QST.

AR

If we call our SCM a dog, we have the pictures to prove it. Hi, Al,

To all our Jewish friends we would like to extend a belated "Happy New Year."

BRASS POUNDERS BANQUET

DATE: OCTOBER 29

PLACE: HOMETOWN FIRE COMPANY HALL
2 miles north of Tamaqua, Pa.
on route 45, just 1/4 mile west
of route 309.

F.C.C. WILL BE ON HAND AT 3:00
P.M. TO GIVE GENERAL CLASS
EXAMS.

DINNER WILL BE SERVED PROMPTLY AT 7:00
P.M. EDST. (U TURN YOUR CLOCK
BACK ONE HOUR AT MIDNITE)

HAM AND TURKEY, COUNTRY STYLE

FIRST PRIZE: "HEATH SIXER KIT"
(You need not be present to
win this one)

FAVORS FOR THE XYL's

COST: \$3.50 PER PERSON IN ADVANCE
\$4.00 AT THE DOOR

ADVANCE RESERVATIONS WILL BE
ACCEPTED UP TO OCTOBER 21st.

Make advance reservations to
W3ZRQ, ALLEN BREINER
212 Race Street,
TAMAQUA, PA.

Music was to be furnished by Nat King
Cole, but due to a previous engagement
was unobtainable, so you will have to
settle for the "KEY KLICKERS FOUR".

Poor "Cukie" didn't get his Southern
Fried Chicken. Better luck next time
"Cukie".

PARTIAL OFFICIAL BULLETIN NR 762
FROM ARRL HEADQUARTERS. AUGUST 12

"With increasing needs to observe sig-
nal difficulties to promote clean op-
eration on the amateur bands, all SCM'S
invite experienced amateurs to apply
for an Official Observer post."

OFFICIAL BULLETIN NR 763 FROM ARRL HDQ
AUGUST 18

Artic station KL7FLC will make test
transmissions on a 24-hour basis on
50.04 Mc starting August 16. Whenever
the band is open for DX, attempts will
be made to work as many stations and
areas as possible. Tests will also
be made on 144.14 Mc by appointment
when conditions appear favorable.
Best time for reception of K17FLC
is likely to be around midnight local
time when Auroral conditions are noted.
Listening for KL7FLC at any hour is
encouraged. Please report details of
any reception or two way work at once
to ARRL.

AR

Congratulations to Ralph, K3EGP on
his recent marriage. Best of luck to
both of you.

K.U.I.

By W3HKZ, Ed.

SSB TRANSISTOR HAM UNIT IN PILOT
OUTPUT

A new, transistorized SSB transceiver
designed for amateur use and said to
offer coverage with high stability is
now in pilot production at the Halli-
crafters Co., it has been learned.

The transceiver, Model FPM-200, uses
41 transistors, 30 diodes, 20 quartz
crystals, three gas regulators, and
three vacuum tubes. The latter include
a 12BY7 driver, and a pair of 6146 PA
tubes, producing 90 watts PEP output,
according to the firm.

Modes of operation include upper side-
band, lower sideband, AM and CW.

The FPM-200 uses zener diodes for vol-
tage regulation, and incorporates
vari-caps -- a type of tuned capacitor
-- across the transistor oscillator
circuit to compensate for frequency
variation due to residual voltage
variations, Hallicrafters claims.

The company estimates it has spent
about \$500,000 on developing the set
which is transistorized except for
the three tubes in the transmitter.

Research has been done of the product
for three and a half years. Fifty
units which will be built on the pilot
run will undergo extensive field tests.

Hallicrafters hopes to have the set in
production by the end of this year,
but this is not a firm target date.

The new transceiver weighs 24.5 pounds.
The 16x5x11-inch set can replace con-
ventional equipment weighing around
200 pounds, the developers say.

In emphasizing the low power require-
ments of the new piece of equipment,
the engineers point out that its av-
erage power drain is 42 watts, with
peaks of 216 watts, compared with the
almost continuous drainage of around
550 watts by comparable vacuum tube
equipment.

The unit contains its own power sup-
ply. When it is marketed, a separate
power supply for use with 110 vac.
will be available. The engineers
said the early models of the new set
had both the power supply and the am-
plifier apart from the main apparatus,
but later work enabled their inclusion
in the package.

This project originally started out
on the receiver only. However, after
experience had been gained, it was de-
cided to go all out and try to come up
with the full receiver-transmitter.

Single side band selection and genera-
tion is accomplished through use of
high-frequency quartz crystal filters.

Did you know that the Jr. Op. of K3GEW
is now KN3NDA, also Sid's boss, Dr.
Hersh is KN3NEG. Sid's Jr. Op's handle
is Gilbert.

FROM THE SECTION COMMUNICATIONS MANAGER

September 19, 1960

To all VHF operators and clubs.
Subject: Operation above 144 Mcs.
Fellow Amateurs:

The following is a paragraph subject from my recent Directors letter No. 1107 from administration headquarters, West Hartford, Conn.

You will recall that on occasions the army has requested the temporary use of small portions of the amateur bands in connection with certain large-scale field exercises. Another such request has been made of the FCC with respect to "Exercise South Wind" which will involve some 100,000 troops near Elgin, Florida during the period October 17 to November 12. The present request is for frequencies 144.250 Mc. and 7 additional channels progressively 500 Kc higher. And 10 spot frequencies above 220.250 Mcs. Other frequencies were requested but we have no fear of QRM this far north.

It is expected that no serious interference problems will arise because directive antennas will be employed and the transmitters will normally be at remote locations.

Your S.C.M. thought it wise to bring this matter to your attention and hope you will make proper announcement of it on the various nets and if possible use it as part of your club bulletin or publication. Since there is a possibility of band openings to that part we know we can respect and count on your cooperation.

I shall endeavor to pass information of this type to you as I receive it, knowing that it is too late for QST printing.

Thanks es 73,

Allen Breiner, W3ZRQ
A.C.M. Eastern Pennsylvania
Ass't. Director Atlantic Div.

Al included a note stating that he sent the above to all VHF Clubs registered with him, and asked us to pass the word along to any exchange paper who's editor or club secretary did not receive the news. He has also given permission for any club to reprint it in their paper.

It is with sadness that we report the passing of William Scott, better known as "Scotty", (sorry I don't remember his call) from Ocean Port, New Jersey, on Saturday September 24th. Scotty entered the hospital shortly after the 14th of August. As far as we know he had ulcers. Just got his call W2PWX.

DONNA BLEW

W3KKN lost his 6 and 2 meter beams plus his tri-bander.

Down in the neighborhood of Jack, K3GQJ it seems that the 2000 V line fell and crossed the 220 V line. Meters were popping all over the place and a fire started in his mother's house.

W3HKZ, Ed, lost his six meter beam.

K3BPP, Walt was without electricity from 1:00 P.M. Monday until 9:00 A.M. Tuesday.

There are others, but unfortunately I can't find the paper I wrote them on.

The majority of the boys came through in fine fettle.

FROM CVN NEWS

"John, K4MLY, got a letter published in the latest issue (last month's) of Pack Rats "Cheese Bits", published by the Mount Airy Radio Club in Philadelphia, but now has to take back some of the things he said! His company has decided to leave him down here with "us Rebels" for a little while longer, so "Mighty Like a Yankee" will continue to be secretary for the CVN with Jim, W4MES, acting as assistant."

NOTE TO STATIONS NORTH OF VIRGINIA:
Hey, put your beams South some time. We're down here!!

The CVN News is no longer hand print. Congratulations, Bernie, K4PUD. I warned you that you would get a broken wrist. John sure did a beautiful job.

Next time we have a transmitter hunt, why not come up and join the fun? Maybe you can do better than we can.

A NOTE OF CAUTION FROM THE PHIL MONT "BLURB" TO ALL MOBILE STATIONS

DO NOT TRANSMIT in the Franklin Institute parking lot. Phil Allen warns that there is now a locker in the lot containing Electro-Initiators used by the research lab at the institute.

SO PLEASE DO NOT TRANSMIT WHILE ON THE PARKING LOT!

By SMEL A. RHAT

By W3IBH, Charlie

The good ole Summer of 1960 is drawing to a close, and with it will go (back to school) some of the boys who have made life so hectic for a lot of us, but enough of that,--How many of you on six Meters have taken a listen on Two Meters lately? Did you know that Michigan, Ohio, Indiana, Vermont, New Hampshire, Rhode Island and Canadian stations as far as Toronto, have been heard and worked? Well it is a fact and it would pay you to fire up the Two Meter gear and give it a whirl during the coming fall evenings if you want to get a real thrill. There is a good possibility, that greater distances than those noted will be worked.--This tempting bit of information is offered with an ulterior motive of course--you guessed it-- if you get the old Two Meter rig operating ~~QDQ~~, you won't have to wait until the Jan. VHF contest to find out that it isn't working properly!

It has been noted that the use of VFO's is increasing on Two Meters and that some operators DQ check their own frequency after a CQ! Most crystal controlled stations call CQ and then finish with the standard line "tuning 144 up the band". Now this is OK but during contest time there are a lot of high power stations on the low end and in addition the first 100 KC is used for CW by common consent,--(The FCC gave us the 100 KC at the other end of the band but it doesn't seem to be used very much.)

Band conditions on both six and two for "ground wave" contacts have been exceedingly good lately as they have been most of the Summer- and it may be my imagination, but I think that conditions have been better this year than for several years past.

The Pack Rat Picnic as usual turned out to be a very nice affair and numerous comments have been noted as to how various groups enjoyed it. One fact seems to stand out--the Pack Rat picnic is a very friendly affair, with something doing for all who attend. Probably the reason for this may be due to the fact that a majority of those at the affair have met on the air and in person. In other words the people you meet are not "just another call in the log."

The next big affair that will concern most VHF people is the VHF contest that occurs in January. If you wish to participate in this contest and really do a good job, START NOW and get your equipment from the antenna, right thru to the headphones, in the best of shape. Don't put it off or you will certainly regret it come contest time. That is all for now, but in the next few months, at the risk of repetition, I shall remind you of your duties with regards to the big "SHINDIG" in January.

73, SMEL

As we go to press, the latest report on two meters is that on Monday, September 26 and Tuesday, September 27, the band was wide open from Maine to Florida and as far west as Ohio. On the 26th your reporter worked thirteen different states (not an unlucky number). It will pay some of you who are working for WAS Certificates, to get up there early in the evening, for that is when the band opens up.

It was with shock that we learned of the passing of our good friend Scotty, W2PMX, of Oceanport, New Jersey. Scotty was well known by nearly all on two meters, and well liked by all who met him at the different hamfests.

Until next month, 73,
Charlie

Editor's Note) Since returning from vacation, on several evenings I have noticed the aurora in the northern sky. I have not seen it so brilliant since December 1943. If you look to the North you will notice a pink glow and then suddenly comes this big flash of blue light. Try looking for it some evening. This is visual proof that the bands are open. O'course oral proof is via your rig.

Congratulations to both W1ZFJ, Sam Harris and W1HDQ. Sam is now VHF Editor of QST and Ed Tilton is on the Technical Staff for QST.

Know what W3ZRR, Ray went and did while we were on vacation? He became a grandpop for the second time. Congratulations Ray and Eleanor. Of course we cannot forget the parents, K3CJV, Jack and his XYL Eleanor.

The found that was lost has been returned to the owner. Sound confusing? It seems that at the picnic some parent mislaid a pair-of brown and white striped sunsuit, we found it and reported it on the air. It belonged to the Jr. Op of Bert, K3IUU.

I hope that wasn't the only one the child had as we found it on August 14 and it wasn't returned until September 28th.

Is it worthwhile to have an emergency net? You have read time after time, how in communities the Hams have been the only means of communications after a flood, fire, tornado, hurricane or other diasters. Why not set up a RACES Net here in Philadelphia? To get more information on how to do it, contact W3DUI, Emmet Kuehner, 242 E. Broad St., Hazelton, Pa., the S.E.C. for E. Pa.

"YE OLDE SWAP SHOPPE"

Please send all items for the swap shop to, W3ZRR, Ray Whitehead, 4534 N. Smedley Street, Phila., 40, Pa.

FOR SALE: Four X150 A tubes and sockets Viking I with VFO

Best offer

CONTACT: W3DUI, Emmet Kuehner 242 E. Broad Street, Hazelton, Pa.

FOR SALE: N.C. 303 in carton, never used, with warranty \$325.00

CONTACT: K3GLT, Barry Esten 210 Edgehill Road, Merion, Pa. MO. 4-1385

FOR SALE: Saturn 6 Halo. Make offer

CONTACT: K3CVF, Fred Platt 2009 "A" N. John Russell Cir. Elkins Park, 17, Pa.

FOR SALE: Gonset I, 2 meters \$75.00

CONTACT: Joe Olivastro 5426 N. 5th Street, Phila., 20, Pa. GL. 5-5958

SEPTEMBER 28, MEETING

The meeting was held at the QTH of W3JSD, John, in Huntingdon Valley.

With 46 members, 7 visitors and some XYL's present. (Don't know where he put them all.)

W3HKZ, Ed, the President announced the appointment of W3CKP, Warren Parker to the Board of Directors to finish the unexpired term of K3GQJ, Jack Greenage.

Two new members were voted in. They are, K2TYW, Ed Harper and W3ZEY, Russ Widger. Details for your membership list appear on the last page along with the two new members voted in at the August 17, meeting.

From here we went into our "WHITE ELEPHANT SALE" for the benefit of the BRAILLE TECHNICAL PRESS. Our Auctioneer, Jim, W3KXH, did a wonderful job and we realized \$50.01 (who put the penny in?) Aside: Sally, the XYL of Jim, W3SMK, is a Certified Brailist, transposing books for the blind. Just before the sale the "Thank You Card" was read to the members from Sam Brooks K3CCR, which appears on an earlier page.

Following the sale we were served refreshments by our host and hostess, John and Ann. We would like to offer our most profound thanks.

Sorry boys, that I was unable to attend the meeting, but since we have returned from vacation I haven't had a moment to myself. I stayed home and mimeographed 9 pages of Cheese Bits so as to get it in the mail on Friday. Watch out, boys,

you will never know when I will be popping in on your meetings. My meeting has been changed from the third Wednesday to the second Tuesday.

U. N. WEEK, OCTOBER 23 to 29

The Council of Amateur Radio Clubs of Delaware Valley has been asked to establish and operate radio as before in 1959. U.N. Week will be opened with Amateur Radio as a highlight.

For more details on our participation in the event, listen one nets or get in touch with John, W3AYG and offer your services.

LATE BULLETIN, JUST RECEIVED

OFFICIAL BULLETIN NR 767 FROM ARRL HDQ SEPTEMBER 23, 1960

TO ALL RADIO AMATEURS BT

The annual Simulated Emergency Test will be held October 8 and 9. All amateurs and especially AREC members are urged to participate in their local exercises or in handling traffic destined to ARRL, civil defense and American Red Cross. Consult your local Emergency Coordinator for details and sign up in the AREC if you are not already a member. Amateurs not taking part are requested to avoid use of the National Calling and Emergency Frequencies and local emergency nets during this week end. Calling and emergency frequencies are listed on page 90 September QST. Other information on the Simulated Emergency Test appear on page 49 of October QST.

AR.

Phil-Mont Banquet

NOVEMBER 12th; PLACE: WILLIAM PENN INN GOOD FOOD, FINE FRIENDS, PRIZES AND DANCING.

(Sorry boys, but that is all the info I have at the moment. I would appreciate more information, such as time, address, price and who to contact for reservations. Once I receive this information it will be announced on the nets and published in the next issue.)

Just received a bunch of S & H Green stamps from K1LXD, Rae, the XYL of W1RJA, Ed. Thanks Rae, we sure do appreciate your sending them.

CALANDER OF EVENTS

OCTOBER 12 DIRECTORS MEETING

19 REGULAR MEETING

23 to 29 U.N. WEEK

29 MAHANOY VALLEY BRASS POUNDERS BANQUET

THIS PAGE IS FOR THE MEMBERS ONLY

QUOTING THE BY-LAWS

ARTICLE IV.

FORFEITURE OF MEMBERSHIP

SECTION 1. The corresponding Secretary shall notify, in writing, those members who are four (4) months delinquent in dues or attendance. If the member replies to this letter, his name and letter will be submitted to the Board of Directors at the following meeting. The Board of Directors will decide, by a majority vote, whether the member will be retained on the rolls.

SECTION 2. If no answer is received from the member, he will be automatically dropped from the rolls when six (6) months delinquent in dues or attendance.

SECTION 3. Any member may be expelled for cause by a vote of 51% of the members.

In accordance with the above Article, sections 1 and 2 the following members have been dropped from the roll. Both received certified letters appraising them of their delinquency and no reply was made.

K3EQD, Milton Miller
8234 Rodney Street,
Phila., 50, Pa.

and

K3GQJ, Jack Greenage
1245 W. Westmoreland St.,
Phila., 40, Pa.

Please cross them off of your membership list.

According to Article III, Section 1, which we will not quote, as each member has a copy of the constitution and by-laws, they may apply for re-instatement but will have to take their chances along with a new member.

(From Mother Rat: From now on, any member that is dropped from the roll will be announced in the general text of Cheese Bits. If the member does not have the courtesy to answer the letter, he does not deserve the courtesy of a private page. Perhaps some of you may think that I am being cruel in making this statement, but in all of the exchange papers that I receive, members dropped from the roll are announced publicly.

Another thing, that perhaps most of you don't know is that when a new membership list is in Cheese Bits, it is sent to all exchange papers and subscribers so that they will know who are "Pack Rats" during a contest.

MEETING DATES

OCTOBER 12th

The Board of Directors meeting will be held at the QTH of K3CIV, Ralph J. Hersh, 1831 Watson Road, Abington, Pa. at 8:00 P.M.

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OCTOBER 19th

The regular meeting will be held on Wednesday, October 19th at the West Oak Lane Jewish Community Center, Sedgwick and Thouron Streets, Mt. Airy, Phila., Pa at 8:30 P.M.

Our speaker will be Mike Ercolino from Telrex Laboratories, Asbury Park, New Jersey.

ADDITIONS & CHANGES TO YOUR MEMBERSHIP LIST

(Please cut out and attach)

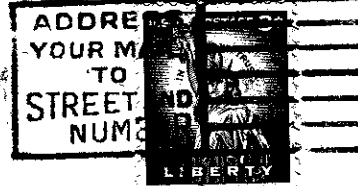
NEW MEMBERS

- K3ALK, George Keyser, 5610 Ormes Street, Phila., 20, DA. 9-7307
- K3MTL, Courtland (Court) C. Manning, Jr. 3 Rampart E., Riddlewood, Media, Pa. LD. 6-6520
- W3ZEY, Russell Widger, 720 Church Lane, Yeadon Pa. MA. 3-4312
- K2TYW, Edward J. Harper, 32 Kirkwood Road, Gibbsboro, New Jersey ST. 3-3296

ADDRESS CHANGES

- K3GAY, Donald K. Lauer, 2116 Allen Street, Allentown, Pa. HE. 3-2507
- W3BQU, Howard Buerger, Glenside Ave., & Rices Mill Rd., Wyncote, Pa. TU. 6-4044
- W3NWP, Leo Luciano, 101 N. Railroad Ave., Frackville, Pa. Frackville 311

"PACK RATS CHEESE BITS"
829 W. FISHERS AVE.
PHILA. 41, PA.



W3KKN Ernest Kenas
2823 Old Welsh Rd.
Willow Grove, Pa.

TIME VALUE
MEETING NOTICE