

PACK RATS' CHEESE BITS



MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.
(50.2, 144.2, 221.4, 432.2 & 1296.4 MC.)

CLUB CALL: W3CCX

AFFILIATED MEMBER: AMERICAN RADIO RELAY LEAGUE

EDITOR: HELEN BRICK, XYL, W3SAD

MEMBER OF: AMATEUR RADIO EDITORS' ASSOCIATION

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VOLUME V
(Meeting notices,
last page)

NUMBER 11

FEBRUARY 1963



FEBRUARY 12



FEBRUARY 14



FEBRUARY 22

"CHEESE BITS" IS A NON-PROFIT PUBLICATION OF THE MT. AIRY V.H.F. RADIO CLUB, INC., MT. AIRY, PHILA., PA.

IT IS PUBLISHED MONTHLY AND IS SENT FREE OF CHARGE TO MEMBERS.

SUBSCRIPTION RATES TO INTERESTED PARTIES IS: 10¢ PER COPY, OR \$1.00 PER YEAR, TO COVER THE COST OF POSTAGE AND HANDLING.

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829 W. Fishers Avenue,
Phila., 41, Penna.
215- DA. 4-7524

OFFICERS: 1962-1963

PRESIDENT: K3IUV, BERT SOLTOFF
VICE-PRES.: W3LHF, DAVID ZIMMERMAN
REC. SEC.: W3ZRR, RAYMOND WHITEHEAD
COR. SEC.: W2EIF, JOSEPH KILGORE
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DIRECTORS: W3SAO, FRANCIS BRICK
W3HKZ, EDWARD KUSHNER
W3AJF, HORACE DEACON
W2AXU, JOHN POWER
K3CIV, RALPH HERSH
(EX-OFFICIO)

MEETINGS: DIRECTORS' the second Wednesday of each month at 8:00 P.M.

GENERAL, the third Wednesday of each month at 8:00 P.M.

MEETING PLACE: WEST OAK LANE JEWISH COMMUNITY CENTER, SEDGWICK & THURON STREETS, MT. AIRY, PHILA., PENNA.

COUNCIL REPRESENTATIVES:

W3AYG, JOHN HARRIS
K3LBT, ALFRED OBENLAND

VHF, PAM: W3SAO, FRANCIS BRICK

MONDAY NIGHT NETS:

144.2 - 8:00 P.M.
50.2 - 9:00 P.M.
221.4 - 10:00 P.M.
NITWIT: 50.2 at approx.
10:15 P.M.

NET CONTROLS:

144.2-W3SAO, Frankie
Alt., W3FSC, Ossie
50.2-W3CL, Harry
221.4-W3KKN, Ernie
NITWIT-W3SAO, Frankie

CERTIFICATE CHAIRMAN:

W2EIF, JOSEPH KILGORE
#5 Sunnybrook Court,
Stratford, New Jersey



Editor's
Corner

PEOPLE I HATE: THOSE WHO SAY, "I TOLD YOU SO."

Number one on my list is "little ole me".

Way back, in the July, 1962 issue, we reprinted an article from the May 30 issue of the Phila. Evening Bulletin, on the Financial Page, regarding new Postal Regulations to become effective January 1, 1963.

This reprint caused quite a bit of controversy among exchange papers. Before we reprinted it, we checked with the MAIN POST OFFICE in Phila., not with our Local Post Office or our Mailman.

Now here is the "I told you so". We reprint from the Phila. Inquirer of Sunday, January, 6, 1962.

"NEW 5¢ POSTAGE RATE WILL START ON MONDAY"

Postmaster Anthony I. Lambert issued a reminder Saturday to Delaware Valley postal patrons that new postage rates will go into effect Monday.

(We will skip the part regarding First class mail.)

The new third-class rates for merchandise and printed matter weighing under 16 ounces will be 4 cents for the first two ounces and 2 cents for each additional ounce or fraction. Patrons mailing at the bulk third-class rates, particularly those using postage meters or precanceled stamps, are advised to consult the Post Office.

Lambert emphasized THAT ALL PRINTED MATTER AND MERCHANDISE MAILED AT THE THIRD-CLASS RATES OF POSTAGE SHOULD BE SEALED AND MARKED THIRD-CLASS.

A number of Editors have been writing regarding permits for precanceled stamps and other permits for cheaper mailing, but they do not go into the details regarding the amount of work that is required on your part.

A permit for precanceled stamps is issued free of charge. The postage is NO CHEAPER. You must apply at your local Post Office for the permit. Each month you must purchase the precanceled stamps from THAT POST OFFICE, and mail the material from THAT POST OFFICE. There is no limit on the number of pieces.

A "Time Value" and Bulk Rate" permit costs \$30.00 a year (was \$20.00). The postage is no cheaper for "Time Value", unless it is for a non-profit charitable organization; ie; Church, Hospital, Etc (They get special rates)

With a "Bulk Rate Permit" the postage is cheaper if you mail 200 or more pieces. They are rated at weight for so many pieces, not by weight per ounce.

In each case, "Precanceled Stamps", "Time Value" and "Bulk Rate", you must do everything but deliver them.

You do all of the sorting, as they do not go through the machine for cancellation. Everything must be bundled according to zone in your city: Out of Town mail must be bundled alphabetically and by zone, with a label attached for all zones and towns.

After you do all of the sorting you must take everything to the Post Office issuing the permit. This is fine, if you do not have to travel 3 miles to and from the Post Office on Public Transportation. (The box is quite heavy.)

The only advice we can give you is; Consult your Postmaster.

NEW PRODUCTS OF INTEREST TO HAMS

By W3NSI, Lynford Rowland, Jr.

1. Neon lamp assemblies--Self contained (w/res.)

A line of Neon lamp units is available in several sizes from the Industrial Devices Inc. at very reasonable prices. The Omni-Glow unit mounts in a 1/2" hole, using a push-on speed nut. The Glow-Dot units are more compact, mount in a 5/16" hole with a speed nut. Both contain the Neon bulb and dropping resistor.

Omni-Glow - \$.40 Available from
Glow-Dot -- \$.30 Industrial De-
vices, Inc.
Edgewater, New Jersey

2. 400 Cycle Motor-Alternator sets.

General Electric is now producing Type ASB & ATB 400 Cycle M-A Sets for use in powering 400 cy equipment which for some reason, should remain unconverted to standard power. The units put out about 125 watts which should be about enough to power most test equipment available us surplus. The driving motor is 1/6 HP 60 cy 115 Vac.

General Electric-Specialty Motor Department -1635 Broadway, Fort Wayne, Indiana.

3. Tube type 8102 - GE

This Triode-Pentode is designed for frequency multiplication. Pentode cathode current is 20 ma at 330 V, Max. The triode is also rated at 330 V and 2.5 W dissipation. Heater is 13.5 v--9 pin base.

General Electric Co.,
Schenectady, 5, N.Y.

73,
W3NSI, Lyn

SWAP & SHOPPE

Conducted by; W3ZRR, Raymond Whitehead
4534 N. Smedley Street,
Phila., 40, Pa.
215- DA. 4-5910

FOR SALE: RME VHF Converter No. 126
for 6, 2 & 1 1/2 meters.
Mint condition.

\$175.00

CONTACT: W3KIZ, W. R. Moths
Coopersburg, 1, Pa.

SIX METER QRM

By "Snooper Rat"

11-26-62 The 6 meter net with the old mystro at the controls (Grandpop Bill) has just closed.

2201-(nit) hours & comments, wait for me, lots of RF, stick around fellows, I need a point. K3ABK had to sign for hot chocolate. K3IUV stuck on 50 megs trying to sign in on 220. About this time having a rough time trying to commence with the nit-wit net. Mather Rat was boating up on Frankie (W3SAD): Alas a foreign station appears, calling Frankie. At the same instance some 15 other stations listening heard his call letter being signed. Well, U might have thought the Antarctica was being contacted. The station was W3CLQ, Walt, and so the havoc continued for a short time. Contacts were being passed very peacefully, after a fashion, when THUNDER!! & BLITZEN!! and all the Reindeer came through the antennas. Guess who? K3LOM the Santa Claus from Ambler, Pa. discovered he hadn't worked W3MVF, Dave for his 29th contact. The snow was falling thick, but Harry, equipped with snow tires on his sleigh, rode through the skies with a twinkle and a contact with Dave. Other stations going through the stocking scuffle were, K3HJA, K3MSV, W3SAD, K3ESL, W3ASD, K3ALK, ETC.

Correction--Alan, W3OR, has worked 1526 fixed to mobile stations in a one year period.

11-30-62---At approx. 1845 EST, a hard to get DX station was heard. The station was VP7CX located in the Bahama Islands. Quite a few stations worked him. By the way 3 stations, holding General Class tickets tried calling him in the CW portion of the band, where his freq. was located. SHAME--SHAME-- and one of the stations is always critical of others!!

Guess what-- W3JSD, John, has a sore foot. Sorry to hear about this. (BUT) John must have tried a punt with a sickly football team in Phila.-- No point--Sore Kicker.

HEAR YE, HEAR YE----ED, W3CFS--Working a young fellow in Brooklyn--giving T*V*I* to a neighbor on Channel 2. The neighbor being inquisitive came in to see what the broadcast was about. (this is in Brooklyn of course) asked

Ed if Phoenixville was on the map.
The New York station was WB2EXG, Dick.

12-5-62---At approx. 2151 EST- The heavens and earth feel in. Out of the band, on a military freq., in the Amateur band at 50.40, the noise was tremendous. At first we thought it was Arora. Swinging the beam north just nullled the signal. Coming back to the south it again persisted. The broadness of the signal about 450-500 Kc. each side of center carrier. This lasted about 28 minutes. Trying to listen for other station comments, we heard K3GFF complaining that just about all of his 50 mc band was noise. At 45 DB over S9, who could hear other stations? This condition was also aired in New York City. K3AXW, John, in Maryland, also confirmed this condition. The signal does point South-West throughout the world. John reported that QST had an article on this disturbance last year. 1960-51.5, 1961-50.7---1962-50.4. This object in outer space makes one complete rotation every 12 months.

(Editors' thoughts at random regarding above noise. How long has Echo I been in orbit? It's path is usually in the Southern Sky, West to East. Perhaps in its travels, it picks up radiation from the Allen Belt and once a year it becomes so saturated that it casts them off in the form of resonating signals in the 50 mc band. Could be---Who knows?)

South-North-East-West, someone is peddling the Pack-Rat call list. (But everybody's got one!). Good going, MOTHER RAT---letting everybody know what our call letters are and QTH. (190 via "Cheese Bits", others on request, Snooper.) Not too many of our boys get on 50 megs anymore. It seems that another band has taken over for letting off STEAM.

12-29-62---Just think--the HOLY GROUP is back again. Freq. 50.380. Not before the unGodly hour of approx 2330. Please do not let these fellows know you are listening, because that other band is always going. A local station this particular evening, trying to get a few points toward his Certificate ALL stations were listening BUT! only 2 (TWO) stations came back to him. SHAME!

12-30-62---Does K3LOM ever get to bed? Still going strong after 4 (FOUR) A.M. The Vigilante of Ambler!

1-1-63 (As Editors' choice, we are pulling this article for special place of its own in the next column.)

Good news! WA2WCK, Charlie, is out of the hospital ranting and raving. Welcome home, Charlie, let's stay there.

73,
"Snooper Rat"

FIRE!!! FIRE!!! FIRE!!!

(From "Snooper Rat's Column")

Jan. 1st, 1963---ATTENTION, members of Mt. Airy Radio Club!

As of this date, most of our members have read or heard of the 13 Alarm Fire in Phila. Needless to say, the damage was great. The crowds aroused by the news flashes grew steadily, until an eight block area had to be closed off. Just think; a crew of Mobiles, with a fixed net control station, could have played an important role close to the scene of the fire. It seems that the Police and Fire Departments, don't realize the help that is available in this great city.

In reading articles published in QST, CQ, and other magazines, small states like, Conn., Vt., N.H. and R.I. go all out, be it an emergency or a parade.

81 pieces of equipment were used and approx. 600 firemen. As WELL a job as was done, I'm sure they could have used a few mobiles for inter-communication. There are in Phila. some radio clubs equipped for mobile, BUT not in motion January 1. What happens at the DELAWARE VALLEY COUNCIL? Don't let it up to the next GUY!

I guess this article is too late, as by now you well know that the building has burned down, and took some thirty homes with it. 250 people without homes!

EDITORIAL

WHO IS TO BLAME -- YOU!

We agree wholeheartedly with "Snooper" regarding the inactivity on the part of the Ham, but that is as far as we will go with our agreement.

The blame does NOT belong on the shoulders of any radio club or the Council.

The blame belongs on the shoulders of YOU-THE HAM!!!

YOU, as a ham, DO NOT have to be a member of any club!

YOU DO NOT have to be a member of AREC, RACES, or CIVIL DEFENSE to offer YOUR SERVICES in any emergency!

A CLUB DOES NOT have to be a MEMBER of the COUNCIL to offer its services!

When you applied for your license, YOU agreed to BE OF SERVICE TO THE PUBLIC!

The Police and Fire Departments both know that this service is available to them, but perhaps they DO NOT know WHO to contact for such a set-up.

Not to be unfair, perhaps some of the blame also belongs to the members of the Police and Fire Departments, not on duty at the fire, who are hams.

The blame STILL comes BACK TO THE HAM!

In defense of AREC we know a new EC

for Phila. has been appointed, but as far as we know, he has not received the vital information from the old EC. As for RACES and CIVIL DEFENSE, we can not say.

DON'T LET GEORGE DO IT--YOU DO IT!

Not to be only critical, we will offer a few suggestions to try and solve the problem.

1. Each radio club in the city set-up an Emergency Committee of its own, and send the Call, QTH and Phone number to the heads of the Police and Fire Departments, of the Chairman and Co-Chairmen.
2. The Council also set-up such a committee.
3. Each Ham that is mobile have his call on his License Plate for easy identification at the scene of an emergency. (We have application forms, just ask for one.)

We realize that the best way to handle an emergency is through organization, but the main thing to remember is that YOU, the individual ham, has the right, and the privilege of setting-up emergency communications.

Should the emergency require the clearing of a certain frequency, all you need do is call the FCC, local office during working hours, and Washington, D.C. after hours, and request that frequency be cleared for emergency traffic until no longer needed.

AMATEUR RADIO STATIONS & A FOGGY

NIGHT FOR DRIVING

By K3ESL, Benjamin Gindin

This story starts at Horrocks and Levick Streets, in front of the Gilbert Spruance School. The Safari started at approximately 6:10 P.M. The destination is Camp Laughing Waters, Girl Scout Camp in Perkeomingville, Pa. The Route is 73 west on Township Line Road to Washington Lane.

Things were pretty good so far. As soon as we made the right turn to 73 again, it seemed we were back in England. Fog-Smog, call it what you may, you just couldn't see too far ahead.

Progressing slowly on our way, with four cars following, we decided, at this point, to go on the air, mobile.

Needless to say, we could not hear the freq. Again the fog cleared, and there was W3GLI, W3CFS, K2HAK and others. Realizing the difficulties ahead, we slowed down, always keeping contact with CFS & GIL. These fellows were passing traffic to Phila.

$\frac{3}{4}$ of the way, we received a message that one of the cars had turned back.

Upon arriving at the camp site, with one car still following, we were still in contact with W3GLI, George and becoming desperate, when the Ranger-in-Charge of the camp arrived in car 3,

about 9:30 P.M. We were ready to call in the State Police, when car 4 pulled into the Camp Site.

Their foul-up was that they went on to Route 29 instead of staying on Route 73, but this also happens in clear weather.

Well, at this time the stomachs stopped turning over and all the jitters were leaving the children and the adults. A fine week-end was had by all.

Thanks to the following stations for the tremendous co-operation. Their time and effort allotted will always be remembered; W3GLI, W3CFS, K2HAK and K3BPK, the home station.

Saturday morning, with traffic moving again we heard K3HAX/3, a station on 220, talking to W3GLI passing traffic to Phila.

73,
K3ESL/M

WHAT HAPPENS

W3IBH, Charlie, is proud Grandpop to Grandchild number 6.

Charlie was also instrumental in aiding in the evacuation of three families during fires in the three homes across the street from him recently.

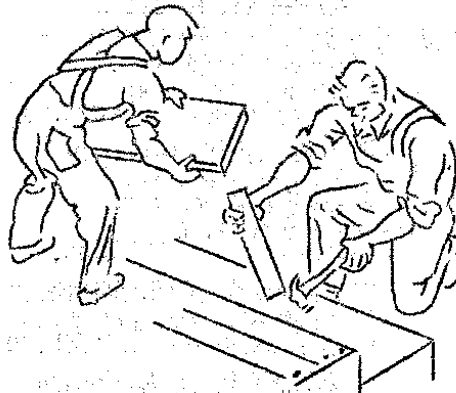
Our sympathy to WB2CDP, Lou, on the passing of his mother, Jan. 7, 1963.

A note to the XYL's; Don't purchase a filter and supply a serviceman to install it in a neighbors' set. Any other neighbor having TVI will expect the same. Can become quite expensive.

Congratulations to K3AUH, Al on his marriage, Jan. 6. Why weren't you on in the Jan. SS, Al? Hi.

Ask Lou, XYL of W3AJF, Why the Moron tiptoed across the Medicine Chest?

(He didn't want to awaken the sleeping tablets.) I listen to "Uncle Philsie" also, Lou.



ARRL BUILDING FUND

Our thanks are extended to all who so generously contributed to our program of purchasing bricks toward the model building of the new ARRL Administration Building. This building is completed and the building of the WIAW Shack is well on its way. Bricks for the Shack are still available at

\$1.00 per brick. We would like to point out that this program is not restricted to hams and clubs of the Delaware Valley, but to all throughout the country. Everyone contributing to it will receive proper recognition from the ARRL, as a list of Calls and QTH is sent along with the money.

This model will be placed in the lobby of the new administration building and will remain there as a permanent fixture. Here is your opportunity to let the visitors to Headquarters know that you have contributed to its building. The cost of a brick is only \$1.00; 25¢ a week for 4 weeks.

The model of the building is according to scale, as "Grandpop Bill" has been supplied with the architects drawings. The model is not only of the building, but the complete landscaping also.

Since the administration building is completed and we are working on the shack, we are also working on the "Duthouse", "John" or "Mrs. Murphy", whichever you care to call it. Since these are extras, and construction is of a different character, the cost is also extra; \$10.00 per panel and door. This we leave strictly up to you. If you desire to purchase a Brick (\$1.00) or a Panel (\$10.00) send your contribution to; K3HWZ, Bill McCutcheon
124 Orchard Lane,
Feasterville, Pa.

The trip to Headquarters for formal presentation is still in abeyance, awaiting the GO signal from ARRL. We figure the cost will be \$10.00 per head, including meals. Arrangements have been made for parking at North Phila. Airport, with a guard, for the trip. 52 is the number required to fill a bus; but we will hire as many buses as is necessary. A form for participation in the trip appears on the last page for all interested parties, to fill in and return to K3HWZ.

LATE SWAP & SHOPPE

FOR SALE: RME Receiver 6900 with matching speaker.
10 thru 80 meters.
AM, SB & WwV \$325.00

JOHNSON INVADER XMTR.
10 thru 80 meters
USB, LSB, AM & CW
List \$619.50
Asking \$475.00

50' ROHN FOLD OVER TOWER
Complete with guy wires
and anchor pins. \$150.00

HY-GAIN ANTENNA DB-24
20 & 40 Meters
Complete with new accessory
kit. All new insulators,
loading coils and balun.
List \$169.50

CDR HAM-M ROTATOR with con-
trol box & wire.
List \$119.50
Asking \$200.00 for both.

1955 two door, red & white

hardtop Oldsmobile.
Body in good condition, &
mechanically OK.
Best offer.

WHIRLPOOL combination washer
& dryer (gas)
Perfect condition, 2 years
old. White. \$90.00

All of the radio gear is
in factory condition less
than 1 year old.

CONTACT: K3TKA, Cliff Craig
408 Mallard Road,
Feasterville, Pa.
215- EL. 5-1028

WANTED: CDR ROTATOR

CONTACT: W3QB, Jay Achenbach
8019 Seminole Avenue,
Phila., 18, Pa.
215- CH. 7-1381

FOR SALE: Century Antenna Line Checker
Model ALC-2.
Checks any type antenna.

HEATH-KIT Linearity Pattern
Generator, Model LP-1

HEATH-KIT Laboratory 5"
Oscilloscope, Model O-11

Auto Radio Antenna, (new)
58" long.

STANCOR PLATE TRANSFORMER,
PC-8304. Secondary, 750-0-
750 V- 265 Ma. D.C.

BUD 100kc FREQUENCY CALIBRA-
TOR. FCC 90A.

Extra 100kc Xtal.

HEATH-KIT CONDENSER & RE-
SISTOR CHECKER. MODEL C-2

SHURE Model 102C Carbon
(push-to-talk) microphone.

A8-W75 Master Mobile Antenna
with heavy duty spring and
extra loading coil. (new)

(HOT) (HOT) (HOT)
NC-303 Needs very little,
like new.

150 Watt-80 to 10 meter VFO
Phone & CW Transmitter.
Built in 21" x 20" x 10"
cabinet. TVI'ed. Antenna
tuner. Tube line-up; 6AG7,
5763, 5763, 2-6146 in final.
Modulated by 807's

COMPLETE TRI-BAND SUPER
QUAD ANTENNA, for 10, 15 &
20 Meters & HAM-M Rotator.
(new)

COMPLETE 2 METER STATION.
BC-348, Tecraft Conv., 120
watt transmitter built in
cabinet with clock.

COMPLETE 6 METER STATION.
SX-28A, Tecraft Conv. 120
watt transmitter.

COMPLETE TRANSISTOR HI-FI
AMPLIFIER with Speaker sys-
tem for record, changer, tape
recorder, FM & AM tuners,
Etc. (Next page)

(Since no prices are given, we can only assume that the seller will accept the best offer.)

He will deliver any larger items within a 150 mile radius.

CONTACT: W3SNM, Chester Angstadt
Box 327, R.D. 3,
Fleetwood, Pa.
215-929-0548

COMING EVENTS

- FEBRUARY 13 DIRECTORS MEETING
QTH, W3SAD, Frankie
- 20 GENERAL MEETING
TELSTAR FILM
- 23 EAST COAST VHF SOCIETY
BANQUET & HAMFEST
- MARCH 30 READING RADIO CLUB
BANQUET & HAMFEST
- APRIL 27 MT. AIRY LADIES' NITE

PACK RATS CERTIFICATE

Thanks to all interested parties, the chairman is getting "printers" cramps, especially for the 50 contact awards for the VHF SS. Jo is working hard to get them out to you as soon as possible. He wants to take care of the non-members first, so the members will just have to be patient.

No certificate will be mailed to the members, they must be at the meeting to receive them. The only exceptions will be those members unable to attend due to either school or work.

One change has been made in the rules. PLEASE TAKE NOTE!

The requirements for a certificate now read:
Work thirty (30) Pack Rats within a fifty (50) mile radius, and ten (10) Pack Rats beyond fifty (50) miles.

The rules for Contests remains the same.

A card of thanks has been received from WB2CDP, Louis Goetz for the Sympathy Wishes extended on the passing of his mother.

The Pack Rats wish to extend wishes for a speedy recovery to Hannah, XYL of W3CLT, Doc Sharpe, who is in a hospital in Maryland.

A REPORT ON "PACK MOUSE" - SHERI COOK

We paid a visit to Sheri on Jan. 20, and she is just coming along fine. We wish more of you could visit her and witness her determination. While

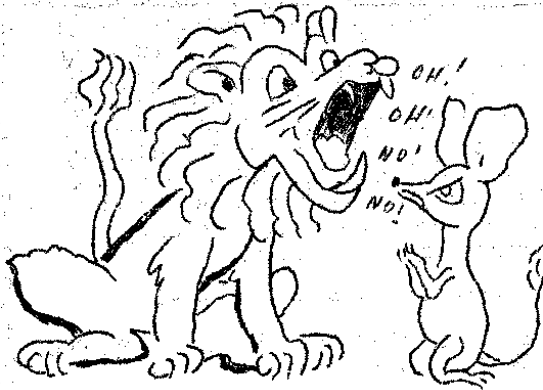
watching American Bandstand; her mother witnessed her trying to dance. Sheri said, "If they can do it, I can do it." (And you think you have problems!)

We have no idea of to how many Masons and Shriners the Philadelphia Shriners Hospital sent Christmas cards, but if you received one with a picture of a dark haired little girl, with red ribbon in her hair, and her legs in casts, that is Sheri.

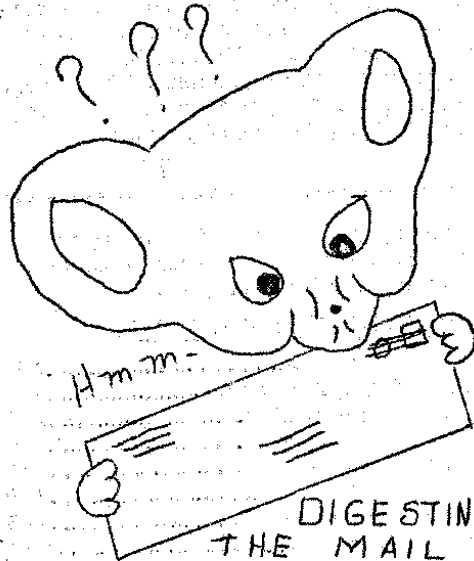
We saw all of the QSL cards that Sheri has received, and they have come from all over the country and Canada, over 100. These are just the loose cards. She has a shoe box full besides. Sheri and her family are overwhelmed with gratitude for the friendliness of the hams.

Right now they have curtailed the code lessons for her, due to the pressure of school work. Yes, she goes to public school everyday. Her English teacher is K3EJG, Eugene Fegely, a member of the Bucks County Amateur Radio Club.

What makes it so pleasant to visit Sheri is the greeting you get, not only from Sheri and her parents, but also from her sisters, Peggy, Shelly and Janet. The girls all run to kiss you "Hello". It's just as though you were "Coming Home". Such a warm feeling.



DUES ARE DUE!



OFFICIAL BULLETIN NR 879 FROM ARRL HDQ.
DECEMBER 27, 1962

TO ALL RADIO AMATEURS BT

The full FCC examination schedule for giving General Class and Extra Class amateur license examinations at many different points during the first half of 1963 is listed on pages 66 and 67 of January QST. Such exams normally start at nine AM at designated offices. The dates shown are tentative and should be checked with the given FCC office as the date approaches in case of possible changes.

AR

OFFICIAL BULLETIN NR 880 FROM ARRL HDQ.
JANUARY 3, 1963

TO ALL RADIO AMATEURS BT

Effective February 1, 1963 FCC has amended its Rules to make the frequencies 7245 to 7255 kc and 14220 to 14230 kc available for RACES use in Alaska, Hawaii, Puerto Rico and the Virgin Islands.

AR

OFFICIAL BULLETIN NR 881 FROM ARRL HDQ.
JANUARY 10, 1963

TO ALL RADIO AMATEURS BT

Announcement is hereby made of the addition to the ARRL Countries List of Bouvet Island. Bouvet Island is located in South Atlantic Ocean approximately 1600 miles south of Cape of Good Hope. Lat. 54 degrees S and Long. 5 degrees E. Bouvet Island is Norwegian territory. DXCC credit claims may be made for this addition starting May 1, 1963. Confirmations for contacts with Bouvet Island must be dated November 15, 1945 or later. DXCC credit claims for this addition received before May 1, 1963 will be returned without credit.

AR

OFFICIAL BULLETIN NR 882 FROM ARRL HDQ.
JANUARY 17, 1963

TO ALL RADIO AMATEURS BT

The FCC announces that a temporary third party agreement is in force permitting amateurs in the United States to handle traffic with 4U1ITU in Geneva for the period January 10 through February 16, 1963, during the meeting of the CCIR at ITU headquarters.

AR

Feeling depressed and at your wits end? Then read the following taken from AREA News Release #70.

BIOGRAPHY OF A 'FAILURE'.

Failed in business.....'31
Defeated for Legislature.....'32
Again business failure.....'33
Elected to Legislature.....'34
Defeated for Speaker.....'38
Defeated for Elector.....'40
Defeated for Congress.....'43
Elected to Congress.....'46

Defeated for Congress.....'48
Defeated for Senate.....'55
Defeated for Vice President.....'56
Defeated for Senate.....'58

Consider this the biography of a "failure".

Invariably any man at one time in his life faces defeat or discouragement. You often hear, if not your own, someone else's tale of woe-how despite all the good intentions, effort and planning something went badly.

How do you renew lost courage and convictions?

One American business executive manages it by re-reading the foregoing record of defeat. We've borrowed it from "Service", the City Service Co's monthly magazine, where it was printed in a message from W. Alton Jones, chairman.

Anyone who had compiled such a struggling career certainly might have been forgiven for giving up.

He didn't, to the nation's everlasting gain.

FEBRUARY 12 we celebrate his birthday with grateful recognition to Abraham Lincoln, elected in 1860.

(Above appeared on the editorial page of the Cleveland Plain Dealer several years ago).

OWENSBORO AMATEUR RADIO CLUB
S.E. McCallum, Vice-President (AREA)
2910 Eastern Parkway,
Owensboro, Kentucky.

A program which will put Kentucky on many more maps throughout the world has been inaugurated by the Owensboro Amateur Radio Club in cooperation with the Owensboro city commissioners.

Called the "Bluegrass Awards", the program offers certificates of achievement to licensed radio amateurs throughout the world who make contact with the required number of Kentucky amateur radio stations. The certificates bear the official seal of the city of Owensboro, in recognition of the civil defense work and other public services provided by radio amateurs. Daniel F. Onley, 2539 Christie Place, Owensboro, Ky., has been named award custodian. His job is to process applications and keep the official records.

Many amateur radio hobbyists, recognized experts in communications, seek personal satisfaction of achievement in "working" stations in distant lands. This is known as "DX" work--the radio abbreviation for distance. Other amateurs concentrate on working stations in specific locations.

The Bluegrass Awards program encourages both foreign and U.S. amateurs. The program actually consists of a series of four different certifications, as follows:

(next page)

1. Commonwealth Award -- Requires amateurs outside of Kentucky to work one station in each of the six natural regions of the state--Jackson Purchase, Bluegrass, Knobs, Mountains, Pennyrite, and Western Coal Fields. Kentucky amateurs seeking this award must have written evidence of having worked three stations in each of the six regions. The counties in each region are specified in the award rules.

2. Colonel's Award-- This certificate requires that Kentucky amateurs work 50 other Kentucky stations; amateurs in the Continental U.S.A. outside Kentucky work 30 Bluegrass Stations, Canadian amateurs work 20 Kentuckians, and amateurs elsewhere in the world work 15 Kentucky stations.

3. Bluegrass Cities Award -- To qualify, amateurs in the Continental U.S.A. must work three stations in Louisville; two in Owensboro; one each in Lexington, Paducah, and Covington; and one amateur in any four of the cities of Ashland, Henderson, Hopkinsville, Bowling Green, Paducah, Madisonville, and Frankfort. Canadian amateurs need work a Kentuckian in any seven cities, and amateurs elsewhere in the world any six of the specified Kentucky municipalities.

4. Bluegrass Counties Award -- While such an award nominally would be given for working an amateur in each of the 120 counties of the state, many counties have no resident licensed amateurs. For this reason the award has been divided into four classes: Class AA, Continental U.S. amateurs must work 80 or more counties, other amateurs, 60; Class A, U.S. work 60 counties, others 40; Class B, U.S., 40 counties, others, 25; and Class C, U.S., 20 counties, others 12.

If at some future date a radio amateur is able to prove he has worked all 120 counties in Kentucky, the Owensboro Amateur Radio Club will arrange a unique "All Kentucky Counties Award".

73, K4URX
Steve McCallum

(Ed. note; Thanks Steve, but you did not give any starting date for the awards. How about sending a membership list of Owensboro A.R.C. as a help towards working for the certifi-dates.)

A MESSAGE FROM THE VHF PAM, W3SAO,
FRANCIS BRICK, FOR E. PA.

The following letter has been received from Lt. Col. Clifford R. Evenson, USAF Commander.

Dear Mr. Brick:

Your name and address was forwarded to me by Emmet W. Kuehner, W3DUI, SEC Epa, Hazleton, Pa., in reply to my inquiry regarding Ham operators in the Philadelphia area who would be willing

and able to maintain communications between my headquarters and Olmsted AF Base in the event of a national emergency.

If you could furnish me with the names and addresses of any individuals who have these capabilities, both in or near the city, I would greatly appreciate your cooperation.

Sincerely,
Clifford R. Evenson
Lt. Colonel, USAF
Commander.

In response to the request, we have sent to the Lt. Col. some names and QTH's of the "Pack Rats". We want you to know that this in no way obligates you to serve. Our reason for mentioning it here, is so, should you receive a letter from them you will know what it is all about.

Olmsted Air Force Base is in Middletown, Pa.

We urge other clubs in the area to also send Lt. Col. Evenson a similar list. The address is;

Lt. Col. Clifford R. Evenson,
USAF Commander,
USAF Recruiting Service, (ATC)
437 Chestnut Street,
Phila., 6, Pa.

73,
W3SAO, Francis Brick,
VHF PAM, E. Pa.

QSL CLUB

A service long overdue in this country is a central clearing house for QSL Cards. Now with postage being increased even more, the need is even greater.

THE CONTINENTAL QSL CLUB, INC. (P.O. box 92, DABEL STATION, DAYTON, 20, OHIO) has been formed by W8RQH, WA8BQC and K8BSM. The club will operate much as our DX QSL Bureau, but with delivery guaranteed, and not dependent on envelope being furnished by the club.

To use the club, a member simply forwards his outgoing cards in bulk to the club; addressing is not necessary; the addressee's call must appear in the upper right hand corner. He should also keep a number 10 stamped addressed envelope on file for receiving incoming cards.

The advantages are obvious. The costs to members (\$3.00 per year membership- the stamped, self addressed envelopes- the postage for mailing bulk cards to Dayton) will be far less than the cost of direct mailing, if only as many as 150 cards go out in a year; if the quantity is greater, the savings are quite large. There is the major advantage also of having someone else keep an up-to-date Callbook (they actually keep their lists corrected at intervals of a few days, much as

does the Callbook itself) -- and not having to spend hours looking up addresses.

This venture will not automatically succeed. It needs the backing of as many hams as possible. For example, if I send out 1000 QSL's during this coming year, the forwarding postage would be at least \$40.00. Less my \$3.00 would be a deficit of \$37.00! But if a large portion of the 1000 cards are going to members, there will be envelopes on file, so that all the club will have to do is sort the cards and get them delivered.

This undertaking is a bold venture. We've needed it for a long time. All active hams and active clubs should support the Continental QSL Club for their own benefit. The object at the moment is not to help these three founders to get rich. It is to do our best to keep them from going broke. If, in the long run (and it won't be soon) they prosper through this undertaking, all the better. The profits will be coming from the Post Office, which insists it's losing money on every piece handled; not result: Everyone gains.

So the Continental QSL Club is a good thing. What should we do to assist it? First, as individuals, join. Send \$3.00 for membership. Send your QSL's, unaddressed if you wish, but with the other guy's call in the upper right, legibly; be sure the proper postage is on the package! Keep a stamped self-addressed No. 10 envelope on file, with a note saying when you want the cards forwarded - weekly or when full. If you don't wish membership, help the club by keeping a self-addressed envelope with them. You'll get incoming cards, regardless.

Clubs can help by keeping envelopes on file with lists of members so that cards can be forwarded in bulk to the club for distribution at meetings.

We now have our domestic QSL distribution system. It's being operated soundly to start. It needs our support as individuals. Let's give it that support.

73,

K3HNP, Dave Heller

W.E.N.S. AMATEUR RADIO CLUB AWARD

QUALIFICATIONS: LOCAL AMATEUR WORK
TEN (10) MEMBERS: DX AMATEUR WORK
FIVE (5) MEMBERS.

STARTING DATE: DECEMBER 1, 1962

SEND LIST OF STATIONS WORKED, DATE
AND TIME TO QSL SECRETARY, K3LPQ,
FLOSS DRAKE,
2143 E. Monmouth Street,
Phila., 34, Pa.

Thanks, Floss. How about sending a list of members for publication.

"Mother Rat"

FROM: Office of Technical Liaison
Office of the Chief Signal Officer
Department of the Army
Room 2D 262, The Pentagon
Washington, 25, D.C.

NAVY JOINS ARMY AND AIR FORCE IN MARS OPERATION

The U.S. Navy today (January 4) becomes an official member of the Military Affiliate Radio System (MARS) which has operated as a joint U.S. Army-Air Force venture since November 1948.

Major-General Earle F. Cook, Chief Signal Officer, U.S. Army, under whose jurisdiction the MARS Army program is operated in The Pentagon, opened the welcoming ceremonies marking the new tri-service program.

In speaking of the over-all program, General Cook said, "I believe that the MARS program has a potential for emergency communications in support of the military that not only justifies but demands our wholehearted support. The future for MARS looks extremely bright, especially with Navy combining with Army and Air Force in this endeavor."

General Cook further said that work will begin very soon in planning for a completely new tri-service headquarters MARS station in The Pentagon. In addition to his official interest in MARS, the general is a licensed amateur and MARS member, and personally participates in MARS' on-the-air activities.

Other ranking officials taking part in the ceremony were Rear Admiral Bernard F. Roeder, Director of Naval Communications, and Colonel Robert W. Dickerson, Deputy Director Command, Control and Communication, U.S. Air Force.

Although MARS' main objective is the promotion of military communications, membership is open to both civilian and military personnel on a purely voluntary basis. Anyone 16 years of age or older, holding a valid amateur radio license issued by the Federal Communication Commission, may apply for membership without becoming obligated for military service. The applicant, however, must possess a station in operation capable of operating, or being modified to operate, on two or more MARS frequencies as assigned by the appropriate Armed Forces MARS Director in his area.

Additional information may be obtained by writing to OCSigO, Attn: SIGMR, Washington, 25, D.C.

SPECIAL

We would like to print a letter just received (January 28) from International Crystal Mfg. Co., Inc., addressed to Mt. Airy CB Club.

We print it for what it is worth, pros and cons are left up to you. Along with the letter is a petition.

January 23, 1963

Dear Citizen Band Club Member:

The advent of CITIZEN RADIO opened a wonderful new world for Hobbieist and we believed our petition to the Federal Communications Commission for a "HOBBIEIST LICENSE" would be of interest to you and your fellow club members. A copy of the petition is enclosed for your review and comments.

The petition will create much discussion between users of these frequencies and if you and your club will send comments to the F.C.C. and ask your congressman to help, in whatever way he can, the education and entertainment obtained from this hobby of a million or more U.S. Citizens can be greatly increased.

Many "Hobbieist" operating under Part 12 would desire to increase their knowledge of electronics and later take the examination for higher class licenses in this field.

We here at International know that your full participation in supporting this petition will enable it to become a reality.

Very truly yours,
R.R. Freedland, President

INTERNATIONAL CRYSTAL MANUFACTURING CO. INC.

OKLAHOMA CITY, OKLAHOMA

In the Matter of

Petition to add a new
class of license to the Amateur
Radio Service.

1. International Crystal Manufacturing Co. Inc. of Oklahoma City, Oklahoma files herewith a petition to add a new class of license to the Amateur Radio Service and allocate a group of frequencies for use by this group.
2. With the expanded use of the Citizen Radio Service a group has appeared with extreme interest in the operational hobby aspect of radio communications. The regulations of Part 19 do not permit the general type operation desired by this group. It is sincerely felt that the keen interest and ability of this group can be guided and further educated by providing a service under which they can pursue their hobby.
3. Such a market created, can be of economical benefit to industry as well as provide a stepping stone to further interest in the electronic field. There is a great need in the United States for electronic technicians. A Simplified license to promote interest in the communication field will start a large group pursuing electronics as a possible livelihood and create the technical pool of interest to the nation. This possibility has already been proven by the great number of license applications under part 19.
4. With the above mentioned in mind, International Crystal MFG. Co. Inc. does petition and request that the Commission create a new class of license under Part 12 known as the Hobby License. It is suggested that the rules covering this license include the following as well as other items deemed necessary by the Commission.

(A) Hobby Class. Those amateur privileges as designated and limited as follows:

- (1) The d. c. plate power input to the final vacuum tube or transistor supplying power to the antenna shall not exceed 10 watts.
- (2) Only the following frequencies in megacycles types of emission may be used.
 - (I) Radiotelegraph A1 - 29.405, 29.410, 29.415, 29.420, 29.425, and 29.430
 - (II) Radiotelephone A3 - 29.435, 29.445, 29.455, 29.465, 29.475, 29.485, 29.495, 29.505, 29.515, 29.525, 29.535, 29.545, 29.555, 29.565, 29.575, 29.585, and 29.595.
- (3) Only type accepted equipment may be operated under this class of license. Such equipment shall include the following standards.

- (I) Crystal controlled having a stability of $\pm .005\%$ 0° F to 125° F
 - (II) Speech limiting circuits to prevent loss of carrier on negative modulation peaks.
 - (III) Frequency response of the transmitter at 4000 cps shall be 20 db below the 1000 cps level. Carrier distortion maximum 25 percent.
- (B) Examination - No examination would be required to obtain the Hobby Class License. The license to be obtained upon application to the Commission.
 - (C) License Renewal - The Hobby Class License to be renewed each five years.
 - (D) Both operators and station license to be issued as one and usable anywhere within the United States. The license to be good for operation only of Hobby Class equipment.
 - (E) Unless specifically stated all other rules of Part 12 Amateur Radio Service would apply to the Hobby Class License.

5. International Crystal Manufacturing Co. Inc. urges the Commission to consider the addition of the above class license and feels that such a step will serve the national interest.

Respectfully submitted

INTERNATIONAL CRYSTAL MFG. CO. INC.
R. R. FREEDLAND, PRESIDENT

SUBSCRIBED AND SWORN TO before me
this _____ day of _____ 1963

Notary Public

(EDITOR'S COMMENTS: We can assure you that there are plenty going through our mind, and we can bet that the same ones are going through yours, but we will mention only one.

We refer to items (B) & (C) under paragraph 4. We know if we waited long enough we could get an amateur license without taking an exam for code and theory even though restricted to 20 meters, Hi, hi!

As stated before, we are printing it for what it is worth and leaving all pros and cons up to you.)

LATE BULLETIN JUST RECEIVED TODAY
OFFICIAL BULLETIN NR 863 FROM ARRL HDQ.
JANUARY 24, 1963

TO ALL RADIO AMATEURS BT

Attention DXers. Announcement is made of the deletion to the ARRL Countries List of Eritrea. Contacts made with Eritrea November 14, 1962 and after will be creditable as Ethiopia. Additional information regarding this deletion will appear in the March 1963 issue of QST.

The League is pleased to announce at this time that the new net directory is available for distribution. For your free copy please address a postal card or radiogram to the Communications Department, 38 La Salle Road, West Hartford, 7, Connecticut.

AR

Like to see a picture of W3SAD and W3CKP and ex-W2LZN/3, Pack Rats. Well it appears on the cover-page of VHF

Amateur in the February, 1963, issue of CQ Magazine.

This picture appeared in the Phila. Evening Bulletin in reference to the June VHF QSO Party of 1961, and was reprinted in "Cheese Bits" along with the story.

The "VHF AMATEUR" is using it as their cover to help advertise their one day VHF CONTEST on March 16, 1963. All rules and details appear on page 71 of February CQ.

We will reprint the rules in the March issue of "Cheese Bits" for all interested parties not subscribing to CQ.

Log sheets may be obtained from K3HNP, Dave Heller, 14 Darkleaf Lane, Levittown Pa.

Congratulations to W3NE, Ralph (Andy) Anderson, editor of "Auto Call" upon his up-coming retirement from the State Department. Is that what's the matter with the country? Hi, Andy.

ELECTION NOTICE

From February QST, page 83

(To all ARRL members residing in the Sections listed below.)

You are hereby notified that an election for Section Communications Manager is about to be held in your respective Section. This notice supercedes previous notices.

Nominating petitions are solicited. The signatures of five or more ARRL full members of the Section concerned, in good standing, are required on each petition.

Each candidate for Section Communications Manager must have been a licensed amateur for at least two years and similarly a full member of the League for at least one continuous year immediately prior to his nomination.

Petitions must be in West Hartford, Conn., on or before noon on the closing dates specified. In cases where no valid nominating petitions were received in response to previous notices, the closing dates are set ahead to the dates given herewith. The complete name, address, and station call of the candidate should be included with the petition. It is advisable that eight or ten full-member signatures be obtained, since on checking names against Headquarters files, with no time to return invalid petitions for additions, a petition may be found invalid by reasons of expiring memberships, individual signer uncertain or ignorant of their membership status etc.

The following nominating form is suggested. (Signers will please add city and street addresses to facilitate checking membership.)

Communications Manager, ARRL (place & 38 LaSalle Road, Date) West Hartford, Conn.

We, the undersigned full members of the.....ARRL Section of the.....Division, hereby nominate.....

as candidate for Section Communications Manager for the next two-year term of office.

Elections will take place immediately after the closing dates specified for receipt of nominating petitions. The ballots mailed from Headquarters to full members will list in alphabetical sequence the names of eligible candidates.

You are urged to take the initiative and file nominating petitions immediately. This is your opportunity to put the man of your choice in office.

F. E. Handy, Communications Manager

SECTION

CLOSING DATE

EASTERN PENNSYLVANIA- APRIL, 10, 1963

SCM

PRESENT TERM ENDS

ALLEN BREINER

JUNE 15, 1963

NOT QUITE A MILLION!

HIGHLIGHTS OF DIRECTORS

MEETING

500 New Club Call QSL cards have been ordered with the QTH of the new Trustee.

A vote of "Thanks" was given to K3GAS, Doc, for his wonderful handling of the VHF SS arrangements.

K3IPM, Stan, was named chairman, with W3AJF, Horace and W3GAD, Frankie, as his assistants, of the June 8-9 VHF QSO Party. When you are asked to take part, please do so. Better yet, don't wait to be asked, volunteer.

The Building Fund report is on another page, along with the Award report.

K3HWZ, Bill, was asked to make arrangements with the Southwark AC for our Ladies' Nite Dinner, either the last Saturday in April or the first Saturday in May.

LADIES' NITE DINNER

DATE: APRIL 27, 1963

PLACE: SOUTHWARK ATHLETIC CLUB ST. VINCENT ST. & ROOSEVELT BOULEVARD (U.S.#1) (Two blocks south of Cottman Street.)

TIME: 6:30 P.M.

PRICE: \$5.00 per person

DINNER: ROAST BEEF

RESERVATIONS IN ADVANCE, CONTACT:

K3HWZ, WILLIAM McCUTCHEON
124 Orchard Lane,
Feasterville, Pa.
215- EL. 7-4972

Saturday, January 26, we had a snow storm. Sunday, the 27th, we had a thaw with about four inches of water in the gutters. K3HJA, Earl, had his car parked in front of his QTH. At night we had a sudden drop in temperature, result; one car frozen in four inches of ice. He is now waiting for the Spring thaw. Hi,hi.

LATE, LATE SWAP & SHOPPE

FOR SALE: 80' TOWER, (four 20' sec.) guys and posts. \$100.00

6894932-AL

TRADE: DX-40 for EIMAC-AF-67

CONTACT: K3SGQ, ALVIN STOLTZFUZ
P.O. Box 13,
Yellow House, Pa.

FOR SALE OR TRADE: HEATH SIXER-
modified for 8 mc crystal,
up-front insertion. \$35.00

or will trade for;

6 meter mobile converter.

CONTACT: WA2BXV, HOWARD ROSS
14 S. 36th Street,
E. Camden, New Jersey
609-EM-5-4658

HIGHLIGHTS OF GENERAL

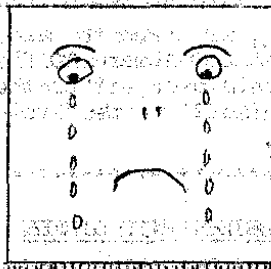
MEETING

A WELCOME TO THE FOLLOWING VISITORS:
K3ACR, Rich; K3VPP, John and W3DJV,
Fred.

HAPPY BIRTHDAY TO THE FOLLOWING RATS;
K3OBY, Jim; W3BVR, Ted; K3CIV, Ralph,
76 years young; W3CKP, Warren; W3FSC,
Ossie; K3MSV, Julie and W3BYB, George.

The new QTH of K3AUH, Al is on the
last page, along with the new QTH of
W3FOZ/4, Charlie.

Our speaker was YOU and your subject
was "The Crying Towel"



W3IBH, Charlie would like to get his
hands on the guy who sent W3HWZ, Bill,
over with a case of beer at 4:30 P.M.
on Saturday. He had one HI-FI I com-
plaint. His receiver went dead on
reaching 100 contacts. In the first
40 minutes = 10 sections. W3CL, Harry,
bet Charlie a case of beer that he
couldn't go over 300 contacts. Harry
lost, and presented one bottle of the
case to Charlie at the meeting. Char-
lie was on 2 meters only.

K3GOZ, Herm said the QRM was hot and
heavy. He had TVI in the apartment
house. He had 181 contacts and 3 in
Conn. on 6 meters only.

W3UMI, Willie and K3EOD, Al, had TVI
and it will take them 1 year to make
up the time lost answering the phone
and door bell.

WA2JNA, Jim said he enjoyed his first
contest even with W2AXU, Jack only
800' from him.

K3KVS, Jerry got a shock and knocked
out his converter. (Jerry, keep one
hand in your pocket while working on
the rig.)

K3ESL, Ben found 145.2 mc jammed. His
2 meter rig blew up and he lost 150
contacts on 2.

W3BQU, Ham had antenna relay trouble.

W3FSC, Ossie made 7 sections in 20
minutes. He found his 6 meter conver-
ter held up good. In trying to stay

awake for the whole 34 hours, he fell
asleep at 0400, Sunday, and fell off
the chair.

K3KKM, Woody had coax relay trouble.

K3HWZ, Bill had no trouble but had a
lot of fun.

K3HJA, Earl worked until 6:00 P.M. on
Saturday and didn't get on until 7.
He made 40 contacts and 3 sections
when his modulator went "kaput".
Sunday morning he "hopped the car in
and drove the streets over" to W3SAD's
and worked the rest of the contest
two-op with Frankie.

W3CL, Harry had no crying to do as
everything was A-OK. Found a lot of
courtesy shown on the bands this year.

W3MVF, Dave was on 6, 2 and 220 and
had no trouble at all.

K3IPM, Stan, just over the virus, took
a trailer up to Bowman's Hill on Fri-
day night. Going up the hill he got
stuck in the snow, had to put the
chains on, and a Jeep pulled him up.
His bride, Barbara, spent 26 hours in
the trailer with him. His antenna
blew down, but he got it up again.
He worked 80 Pack Rate.

K3JJZ, El said K3IUW, Bert was a dirty
rat as he sent his XYL and kids over
to his house. 2 meters not as good
as possible.

K3ACR, Rich, one of our visitors, said
that K3KVS, Jerry gave him trouble.

W3DJV, Fred, another visitor met an
old buddy at the meeting, W3AYG, John.

W3AJF, Horace had no breakdown for
the first time in a contest. He was
on a liquid diet during the contest.

WA2ISX, another visitor, thanked all
for the contacts

W3HWZ, in the MO-DC Section made his
first E. Pa contact.

W3CXU, Johnny said that except for his
prop-pitch motor freezing, he had no
trouble.

W3HFY, Hal was on 40 minutes and off
40 minutes. 2's were coming through
on 432 and he had 45 contacts on 558.
(That's the way to work it; transmit
for 40 minutes and rest for 40 minutes,
less tiring.)

W3FQD, Dick's 2 meter rig held-up all
through the contest.

W3IHT, Doc had a hard time getting
Del. He is only 1/2 mile from W3KKN,
Ernie. He was on for 16 hours.

W3BRU, Frank has a bag-full of 6146's-
free.

K3IUZ, John spent one hour trying to
get a contact from W3IBH at 0100 Sun.

K3EPB, Howard did better. He had more
contacts and sections than last year.
He got into the record player of a
neighbor having a party, and the neigh-
bor said he was going to call the po-
lice. Howard told him to go ahead,
his brother-in-law is one of the po-
licemen.

W3CFS, Ed found out at 1300 hours on Saturday that the rotor for his Hill-topper, fold over beam was "kaput", so using a 20' extension ladder he climbed up and repaired it.

W3HAB, Monroe had better equipment, therefore had no troubles and his score was better than last year.

W3KXH, Jim found out the Monday before the contest that his rotator motor was bad. His Alliance rotator worked OK, but the directions were a little off. His 40mmf condenser blew up. In spite of his troubles he had a better score than last year.

K3EOD, Al took his rig up to W3UMI's the week before the contest. While there his car rolled down the driveway. Door too small. (Don't know what that means). Found the tower cable ready to break and repaired it.

W2EIF, Jo's 2 meter converter went dead 2 minutes before the contest. He got it repaired. His temporary antenna is on the roof 25' in the air. At 1600 hours Saturday, he noticed that the guy connections were loose, so he climbed up on the roof (peaked) and tightened them with a monkey wrench, at 1800 hours, roof and monkey wrench again. At 2400 hours, yep, up again. Last time, thank goodness. Three guesses what Jo was presented with at the meeting. Yep, you're right the first time; a monkey wrench. His permanent antenna will be put up this year on a tower behind the house. Jo had no cross modulation from W2BLV or W2REB, with just a few miles separating them. He found it to be a good contest with all acting like gentlemen.

W3KKN, Ernie was using converters designed by K3IUU, and found no cross modulation. He had overload from W3IHT. He also found lots of holes in the bands. Conditions were a lot better than last year. 18 or 20 sections were possible had they been on. The N. E. was good but not as many E. Mass. stations were on this year. Ernie also worked into W. Pa. He worked a station in Virginia, down in the triangle where three other states border, on a weak ground wave. The fellow was very happy as Ernie was his first Pa. contact.

K3NMM, Len had trouble with his tongue twister call, everyone had trouble getting it. (Len, how about using "K3 No Meals Now for the next one?") A circuit break kicked him out and his by-pass went. Had a loose mike cable. At 10:00 P.M. Sunday his 6AS7 in the final of his power supply went. This was his first contest and he learned a lot.

K3LOM, Harry had no problems at all.

W3GLI, George licked a TVI problem with a filter. A Hot house pump was the cause of a high noise level.

K3IGX, Dick had no TVI but found his nuvistor pre-amp to be no good.

K3OBY, Jim lives right next door to K3HSS.

K3HSS, Charlie too close to K3OBY. Antennas 2' apart.

(Hey Charlie and Jim, next year why not work multi-op. If one rig breaks down, go next door and use the other one.)

K3ABK, Sam was doing good for the first 2 hours. Had a long, hard time contacting Conn. The driven element on his beam shorted out. This was his first contest.

W2AXU, Jack found the contest to be good with clean operating. Holes on pan adapter. He used SSB this year for the first time in a contest.

K3CFO called KP4ABA in Puerto Rico to confirm that he was not on 6 or on the air. A \$9.00 phone call. Someone must have been bootlegging KP4ABA.

K3KMN, George had no trouble after cleaning the switch on his receiver. His rotator was fussy. Missed DX on 2 at low end.

W3SAO, Frankie had no trouble for the first time since 1952. As the interim Trustee he was also W3CCX/3. He had a lot of fun keeping two logs.

The only complaints heard from outsiders was the illegal use of two calls on one transmitter. Now Rule #6, in December QST reads (not exact wording) "No more than two calls can be used on one transmitter." The revised FCC ruling reads (not exact wording) "Where more than one call is issued to one address, separate transmitters are no longer necessary."

FLASH

W3SAO, Frankie will no longer have to sign /3 after W3CCX. The transfer of Trusteeship from the FCC arrived in the mail today, January 29.

In the near future the Reading Radio Club is planning a trip to be held at WCAU, on City Line Avenue. We feel that it would be a good idea for Mt. Airy to join them in their visit. In a small way, repay them for visiting us in May, 1962. Of course it would be nicer to visit them in Reading at one of their meetings. Perhaps we can arrange for a group to go up to Reading some fourth Friday. Anyway, we will advise you of the date and time of their visit to WCAU.

We would like to wish a speedy recovery to W3ZXU, Gene Pressler, 1st Vice President of AREA, and Editor of North Penn "Static", from his broken leg. Glad to hear that your father was not on one of the Reading Railroad trains that crashed on January 21.

Congratulations to the new officers of Phil#Mont Radio Club.
W3GOW, Charles Greenwood, President
K3GNJ, Enos Bartol, Vice-President
W3MHR, George Weed, Treasurer
K3HIJ, Joseph Elmaleh, Secretary
May you have a good year.

Congratulations to the new officers of Reading Radio Club.
W3WJC, Richard Ahrens, President
W3EYN, Steward Ringler, Vice-President
W3UQC, Albert Brailer, Secretary
W3CDS, Russell Frederick, Treasurer
May you have a good year.

A word of thanks to the members of the Amateur Radio Editors' Association (AREA) for the confidence placed in the officers and directors by electing them to serve for a full year in 1963. A personnel thank you from Helen Brick, Director AREA, Editor of "Pack Rats! Cheese Bits".

Here is an article which appears nightly in the Evening Bulletin of Philadelphia.

The column is called, "ASK ANDY, and the questions come from children. This particular question was asked by Madeline Chambers, age, 13 of Canton, Ohio, for which she received a 20 volume set of World Book Encyclopedia.

WHAT ARE SOLAR FLARES?

Our sun, as we know, is a nuclear furnace with a tremendous output of energy. The latest information suggests that its energy increases to a maximum peak and then subsides. This period tallies with the 11-year-sunspot cycle. Solar flares occur when sunspot activity is at its peak, and at this time the sun is estimated to be 2% brighter than normal.

The International Geophysical Year was set to start on July 1, 1957. Astronomers and geophysicists 'round the world were ready to study the sun during a peak period of sunspot activity, and they were not disappointed. Solar flares were expected, and these dramatic events were given special attention, since they upset our radio and telegraph communications.

FLARE PATROL

A world-wide ring of stations was set up as a flare patrol. Since a solar flare lasts from only one to 10 minutes, the face of the sun was photographed every 30 seconds. A series of radio stations was tuned to catch the signals which rush out from a flare at the speed of light.

Three days before the IGY began, a station near Moscow reported a huge solar flare. When our side of earth turned to face the sun, the scientists saw what they expected. The flare itself had subsided, but the sun's face was marred with an outstanding

rash of sunspots.

At 4 A.M., June 30, world-wide radio and telegraph was disrupted, and an hour later North America was spanned by bands of dazzling auroras from the Great Lakes to Texas.

HARD RADIATION

Short-wave X-rays strike our upper atmosphere within minutes of a major flare, and experts suspect that this hard radiation causes the disruptions and blackout in our communications.

A solar flare is somewhat like a nuclear explosion on the face of the sun. It may flare up 50,000 miles at 500 miles a second and engulf perhaps a billion cubic miles in radioactivity.

It disrupts radio on the sunlit side of the earth. A slower stream of flare activity may or may not strike us 12 to 36 hours later. It can disrupt communications on a world-wide scale and reward us with an extra special display of shimmering auroras.

From The Evening Bulletin of Jan. 29.

U.S. WILL HANG SATELLITE IN 24 HOUR

ORBIT

SPACE SWITCHBOARD WILL BE LAUNCHED IN FEBRUARY

Cape Canaveral, Jan. 29---(UPI)--- America plans to fire a new communications satellite next month at one of the most ambitious goals in space--an orbit so high the satellite will seem to hang in the sky virtually in one spot.

The 150-pound "space switchboard" is named Syncom. It is the fifth, smallest and most unusual satellite built by this nation for the task of relaying radio signals between stations on earth.

22,300 MILES UP

Its creators are touting Syncom as the forerunner of a comparatively simple three-satellite system that could girdle the globe with live television, telephone and radio communications.

Syncom, a first cousin to the Telstar and Relay satellites, is scheduled to be launched aboard a Delta rocket toward a circular orbit 22,300 miles above earth.

There is a reason for this exact altitude.

This is the point in space that scientists alternately refer to as the synchronous orbit (thus the name Syncom) or 24 hour orbit. A satellite this high up travels at a speed that matches or is synchronized with, the rotating speed of the earth below.

TO APPEAR STATIONARY

Another way to say it is that if the earth were standing still, the satellite would make one circuit every 24

hours. But since the earth rotates exactly once every 24 hours, the difference is canceled.

To an observer on earth, the satellite appears stationary in the sky, never moving over the horizon in what could be called "customary" satellite fashion. It is always up there in one spot, ready for duty.

This is a major headache with the earlier Telstar and Relay satellites. They are in much lower orbits that have them speeding much faster around the earth than the globe is revolving. The result is that they are in the right spot in the sky only a short time each day.

Scientists hope to send Syncom into the delicate 24-hour orbit over the Indian Ocean, near Madagascar. Then, by triggering gas jets aboard the satellite, they will try to move it gingerly backwards to a spot in the sky above the Atlantic Ocean, between South America and Africa.

FIGURE-8 PATTERN

All this may take about two weeks of maneuvering. And even at the end Syncom will not be in precisely a stationary 24-hour orbit. It will appear to move back and forth across the equator along the same longitude between latitudes 33 degrees north and south in sort of an elongated figure-8 pattern.

The difficulty here is that a perfect orbit would require a shot exactly on the equator. Cape Canaveral is nearly 33 degrees north of the equator, but it is the closest point with launching pads.

But Ayncom is expected to tell scientists whether a synchronous orbit communications satellite is feasible. The National Aeronautics and Space Administration is convinced it will work and has started development of a much larger and more advanced Syncom which will be hoisted into a perfect orbit by a booster more powerful than Delta.

The satellite had been scheduled for launching Feb. 6, but NASA announced a postponement at least until Feb. 13. It said the delay was ordered to provide for a more complete checkout of equipment.

SEEKING AN ANSWER

A major problem the first Syncom will probe is what happens when signals are sent out to such a great distance and return. The six-tenths of a second required for the transfer of words might prove inconcient for telephone conversation.

As a communications satellite, this first Syncom is not nearly as classy as the complex Telstar and Relay. It will be totally unable to handle any television relays. At best, Syncom will be limited to a single two-way telephone call or a few teletype messages.

MEETING NOTICES

FEBRUARY 13 DIRECTORS MEETING

The meeting of the Board of Directors will be held at the QTH of W3SAO Francis Brick, 829 W. Fishers Avenue, Phila. on Wednesday, Feb. 13 at 8:00 P.M. If unable to attend, please call, 215-DA. 4-7524.

FEBRUARY 20 GENERAL MEETING

The General Meeting of the club will be held at the West Oak Lane Jewish Community Center, Sedgwick & Thouron Sts., Mt. Airy, Phila., Pa., on Wednesday, Feb. 20, at 8:00 P.M.

The program will consist of two films from the Bell Telephone Co. of Pa. "TELSTAR" & "SWR BRIDGES"

EVERYONE IS WELCOME!

ADDRESS CHANGES

K3AUI, ALAN RUBEN; XYL, MARIANNE
903 E. Cliveden Street, Apt. #1,
Phila., 19, Penna.
215- CA. 4-5035

W3FOZ/4, CHARLES KOELSCH; XYL, EDITH
120 Colonial Drive,
Melbourne, Florida

"PACK RATS" BUILDING FUND TRIP

CALL _____ HANDLE _____

QTH _____

CITY _____ ZONE _____ STATE _____

I would like to accompany the Pack Rats on their trip to ARRL Headquarters, West Hartford, Conn., to present the model building of the New Headquarters for permanent display in the lobby.

Please apprizze me of the exact date, time and cost.

All who would like to go on the trip, including Pack Rats, please fill-in the above form and mail to:

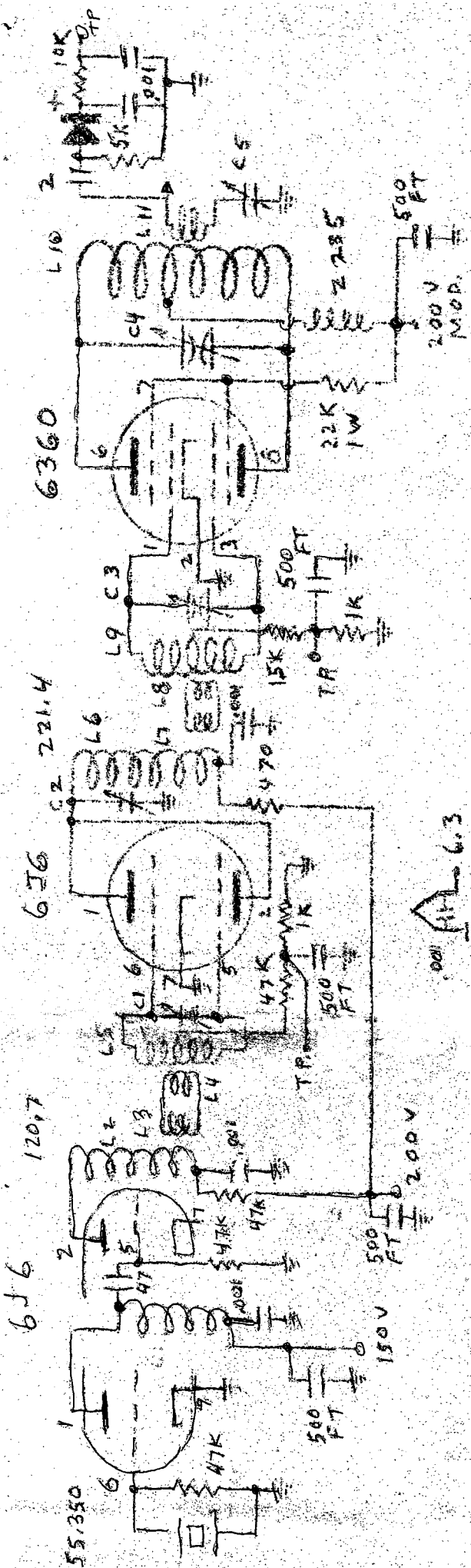
K3HWZ, WILLIAM McCUTCHEON
124 Orchard Lane,
Feasterville, Pa.

NOT QUITE A MILLION!!

Watch for launching of Oscar III sometime in May.

220 MC Transmitter/Exciter

W3NSI



- L1- 10 T #24 3/8" Iron slug form
- L2 6 T #22 " " " "
- L3- 2 T end of L2
- L4 2 T center of L5
- L5 8 T # 18 3/8"
- L6 1 T # 18 3/8"
- L7 1T adj link # 18
- L8 1 T Adj link # 18
- L9 2 T # 18 3/8" space in center for link
- L10 2 T # 16 1/2" space in center for link
- L11 2 T # 16 adj.

Links between stages are quite critical and should be arranged so that adjustment in coupling can be made.

- C1,3,4 9 or 12 44FD Butterfly
- C2,5 13 or 19 6MFD (C2 may have to be cut down)

These two 6J6 tubes in the exciter will give more drive to the 6360 than units built using 6AU8 6360 tripe. to drive a 6360. Cost is much lower. Those club members that build this unit see W3NSI for 6J6 tubes - N.C.

Drive levels as follows :

exciter V	6360 Grid	Ex. Drain
150	1.1 Ma.	20 Ma.
175	1.5 ma.	25 ma.
200	2.0 Ma.	30 Ma.

As you can see both 6J6 and 6360 tubes will run about half cost of the 6AU8 6360 tripe exciter unit, also you save about \$7.00 on tubes.

Entire unit can be built on a chassis 2"x10"

Standard 3rd overtone 55,350 Crystals are available from International. \$4.40.

Limit Osc HF to 150