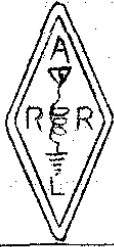


PACK RATS' CHEESE BITS



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, W3SAG

MEMBER OF: AMATEUR RADIO EDITORS' ASSOCIATION

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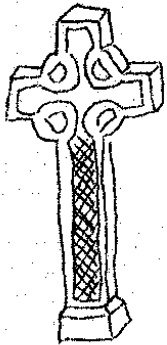
VOLUME VI

NUMBER 12

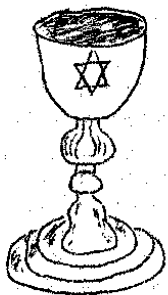
(Meeting notices,
last page.)



1964



Happy Easter -
March 29
Holy Week -
March 22 to 30



Happy Passover
March 28 to
April 5

"CHEESE BITS" PUBLISHED MONTHLY FOR
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SO STATED, AS LONG AS PROPER CREDIT IS
GIVEN.

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CLUB CALL: W3CCX

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Phila., Pa. 19141
215- DA. 4-7524

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MEETINGS: DIRECTORS: Second Wednesday
of each month, 8:00 P.M.

GENERAL: Third Wednesday of
each month, 8:00 P.M.

MEETING PLACE: WEST OAK LANE JEWISH
COMMUNITY CENTER, SEDGWICK &
THOURDN STS, MT. AIRY, PHILA.

MONDAY NIGHT NETS:

144.2 - 8:00 P.M.
50.2 - 9:00 P.M.
221.4 - 10:00 P.M.

NET CONTROLS:

144.2 - W3SAO, Frankie
ALT. - W3FSC, Dzzie
50.2 - W3CL, Harry
221.4 - W3KKN, Ernie

ARPSO NETS: THURSDAY

29.36-7:30 P.M., W3VSD, NC
50.2-9:00 P.M., K3ESL, NC
145.2-9:30 P.M., K3KUB, NC

DEADLINE FOR ARTICLES:

15th of the month

EDITOR'S CORNER

THE K3IQP, "BUTCH" SEAMAN CASE

First we would like to report the
latest developments which appeared in
February "CQ" under the by-line of
K2ZSQ, Bob Brown, editor of "VHF AMA-
TEUR".

"Word has just reached us that a fund
has been established by W3BWU and
W3WFR to finance the legal battle for
Butch Seaman, K3IQP. If you are able
to help, send your contribution to:

Edward C. Lips, W3BWU
3302 Hazelhurst Avenue,
Pittsburgh, Pennsylvania 15200

A donation in any amount will go a
long way towards insuring the success
of this effort.

Other late developments: K3IQP has
changed his position from that of the
previous refusal of the General Class
license without six meter privileges
to one of acceptance of that ticket,
but with the right of appeal for six
meter operation. Reason: This will
at least permit him to hold a ticket
until a hearing date is set by the
FCC."

If any of you save your copies of
"Cheese Bits"; we ask you to pull out
the September, 1963 issue and re-read
the "K.U.I" column by W3HKZ, Ed Kush-
ner. Aside from "Cheese Bits", we
noticed that it was only mentioned in
two other amateur radio news sources:
AREA News Release and one of our ex-
change papers (Sorry, can't recall
which one).

We cannot understand why, in Bob
Brown's editorial of December, he says
that it was just brought to his atten-
tion. He has been on our exchange
list ever since "VHF AMATEUR" first
went into publication as a separate
publication and since the merger with
"CQ Magazine".

Perhaps Bob read it, and like most
others said, "Boy, he sure is having
a tough time.", and then suddenly it
hit him that the whole future of all
hams is at stake should Representative
Holland be able to get his bill across.

Should his bill be made into law and
an emergency should arise, and you
have TVI, whether it be caused by
your X-Mitter, or the fault of the TV
set, BY LAW, YOU will not be permitted
to provide emergency communications.

Regardless of what many of you think,
the ARRL has been in on it since its
inception even though no mention has
been made in "QST". As per their
policy, they work quietly on these
cases and then give a complete report
on the outcome.

That is the policy of the ARRL and we
feel, that in some cases it is a good
one as it does not cause any unneces-
sary ire among hams, BUT in this case
we feel that they have erred in not
(next page)

bringing it to the attention of the hams.

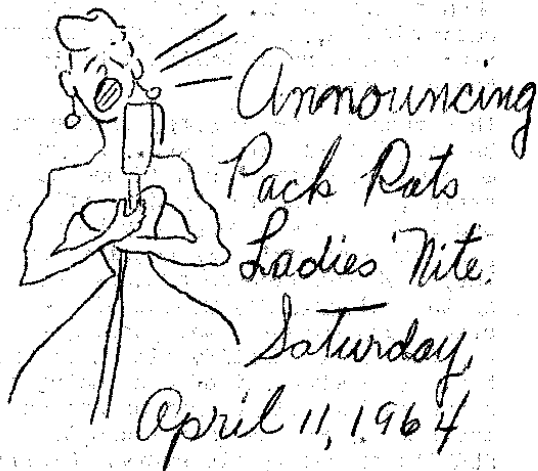
This case is one that will jeopardize their whole Emergency Communications set-up.

As a supposition: Should Representative Holland be able to get a law passed, putting a ham off the air because of TVI, be he cause or not, and the SEC or EC be one of them, or 25% of the members of ARPSC, then the whole purpose of emergency communications is of no avail.

We ask you to remember that one of the stipulations required of you by the FCC is to offer your services to the public when they issue you a license.

So we urge you to get behind K3IOP, Butch Seaman, in his battle for freedom, be it monetary or letters of encouragement.

YOUR FUTURE IS AT STAKE!!!



WHERE? SOUTHWARK ATHLETIC ASSOCIATION
ROOSEVELT BOULEVARD AND ST.
VINCENT STREETS, (2 blocks
south of Cottman Street, U.S.
#1.)

TIME: 6:30 P.M.

PRICE: \$6.00 per head.

RESERVATIONS: Make check or money
order payable to Mt. Airy
V.H.F. Radio Club, Inc., and
mail to K3HWZ, Bill McCutcheon
124 Orchard Lane,
Feasterville, Pa.
19048

(Tickets will also be available at
the meeting.)

OUR SINCERE THANKS

to K8HHS, Doug DeMaw, editor of "VHFER"
of Comaire Electronics, Ellsworth,
Michigan, for the mention in the Jan.
issue of the "Cheese Bits" and the
"Multi Band Transistor Receiver" by
K3BMP, Oscar Snow, which appeared in
our August, 1963 issue.

We would like to report that to date,
February 10, we have received three

inquiries; One from WA8DIO, Larry
Haut, Flint, Michigan; K4VEJ, Russell
Miller, Tavares, Florida and Homly
Ottosson, Goteborg, Sweden. (No, you
didn't read wrong, that is Sweden.)
VHFER really gets out and through
them so does "Cheese Bits".

We noticed that "VHFER" only printed
the changes that they made for 2, and
since we only had the club copy of
"Cheese Bits" we were unable to send
them the complete information on it,
but K3DLS, Carl Croce, is having
photo-copies made of the full instruc-
tions which we will forward as soon
as received.

Thanks for the plug, Doug.

"SILENT KEYS"

K8VEL, CARL E. Maukonen, Burton, Ohio,
Son-in-Law of K3HWZ, Bill McCutcheon,
President, Pack Rats.

W3DUI, Emmet Kuehner, Hazleton, Pa.,
SEC, Eastern Pa.

K8VEL, Carl, passed away on Tuesday
February 4 in Florida.

W3DUI, Emmet, passed away on Saturday
February 8 in the Veterans Hospital,
Wilkes Barre, Pa.

God grant peace and understanding to
the families of both.

DOES THE FOLLOWING RING A BELL?

(This is an article that appeared in
the Evening Bulletin on Saturday,
March 16, 1935.)

W3EXS Gives Code Hints;

Sir: I read with interest what ama-
teurs W3BIO and W3ELI say about be-
coming "hams". There is nothing to
be disbelieved regarding what they say.
Certainly there are old "hams" who
like to discourage beginners by tell-
ing them they have to study too much
technical stuff and that learning the
code is a too complicated affair.
Beginners should take notice, there
is nothing difficult about securing
a "ham" ticket. All that is required
is to answer ten simple questions
about your transmitting equipment,
radio laws, etc. These most impor-
tant questions are all covered in the
License Manual published by the ARRL.
By studying this 30-page booklet the
beginner needn't be afraid. The ex-
amination is given after the appli-
cant passes the code test. Another
thing, the code test is really very
slow, so slow indeed that I advise
beginners not to learn too much speed
because it will be better for you to
copy when going for your first test.
I would get examined, if I were you,
when able to copy at least 12 w.p.m.
The code consists of disconnected
sentences and numbers-SOS and some Q
signals like QRT, QRN, QRM. This
test is conducted with a tape machine.
(next page)

In learning the code, first memorize the alphabet, then listen to your receiver every night for at least two hours. Don't forget to learn the alphabet and numbers in terms of dits and dahs.--Francisco Bow (W3ESX)."

MAY 16 ARMED FORCES DAY COMMUNICATIONS TESTS

JUNE 13 & 14 ARRL VHF QSO PARTY

IT CAN HAPPEN TO YOU

By K3PXT, Carmen Diiodati

On his way home from the salt mines, W3GFG, Ray Wenke stopped at **ALSCO's** to buy parts. After making his purchase Ray walked to his car. Enroute a man passed him at a very rapid pace and turned a corner. Ray thought nothing of it and got into his car and drove home. A few minutes after he arrived there was a knock at the door and in walked a burly policeman. Ray could only think that his son had been hurt. "When did you get home?", asked the policeman. "About 5 minutes ago," answered Ray. "What color car are you driving and where is it?" After examining the car and reading the license plate, the officer told Ray to put on the same hat and coat he wore when he came home. Ray donned his outer clothes, walked out the door to find three more of Philadelphia's finest waiting.

They took Ray to the Greater Finance Co. at 6318 Frankford Ave. A man wearing a bandana had held up the office, and when the bandit left some one looked to see which way he had gone and saw Ray's car pulling out. They took the license number and called the police. Ray was considered a prime suspect until the people involved failed to identify him as the robber. It took a lot of convincing to prove to the police that he was not their man. He was then taken to **ALSCO's** to verify his story. Finally they drove him home and released him.

The climax of the story is; Ray's XYL received a call from one of her friends asking, "What's this I hear about you, your husband and your son holding up the diner?"

INTERFERENCE TO COMMUNICATIONS

WCAU-TV, Channel 10, a station of the Columbia Broadcasting System, has an emergency communications hook-up with WCBS-TV, Channel 2 in New York which is used in case of a break-down at WCAU in Philadelphia, they can throw a switch and continue the network program direct from New York, and vice-versa.

It seems that Channel 2 was receiving interference from the Philadelphia end of the line and they reported it to WCAU. W3HKZ, Ed Kushner, is a maintenance man for WCAU and the task of reporting it to the FCC fell to him. The interference was not of the herring-bone type or regular audio interference, but more of a pulsing CW.

The FCC Engineer found the cause of (next page)

VHF SWEEPSTAKES SCORES

99 Logs were turned in with a total club score of 755,644 points. As is our custom we will list the scores of those having 10,000 points or more. This in no way takes any credit away from our other members who put forth much effort and time to help the club arrive at the total score.

To each and every member, we say, "Thank you for your participation."

- | | | | | |
|-----|---------|-----------|-------|-----------|
| 1. | K3IPM/3 | - Stan | ----- | 31,550 |
| 2. | W3KKN | - Ernie | ----- | 23,299 |
| 3. | W3MFY | - Pres | ----- | 20,538 |
| 4. | W3MXW | - Joe | ----- | 20,125 |
| 5. | W2EIF | - Jo | ----- | 19,194 |
| 6. | K3IUZ | - John | ----- | 17,996 |
| 7. | W3LHF | - Dave | ----- | 17,178 |
| 8. | K3LOM | - Harry | ----- | 16,280 |
| 9. | W3OR | - Alan | ----- | 15,488 |
| 10. | K3IUU | - Bert | ----- | 15,414 |
| 11. | W3HFY | - Hal | ----- | 14,916 |
| 12. | K3ACR | - Rich | ----- | 14,544 |
| 13. | W3CL | - Harry | ----- | 14,436 |
| 14. | W3HKZ | - Ed | ----- | 12,894 |
| 15. | K3JJZ | - El | ----- | 12,070 |
| 16. | W2AXU | - Jack | ----- | 11,592 |
| 17. | W3IBH | - Chas | ----- | 11,520 * |
| 18. | W3SAO | - Frankie | ----- | 11,520 |
| 19. | W3GEW | - Sid | ----- | 11,152 |
| 20. | K3BHK | - Jerry | ----- | 10,948 |
| 21. | W8ZCDP | - Lou | ----- | 10,872 |
| 22. | W3FSC | - Ozzie | ----- | 10,846 |
| 23. | W3CCX | - Club | ----- | 10,692 ** |
| 24. | K3PXT | - Carmen | ----- | 10,624 |
| 25. | W3CXU | - Johnny | ----- | 10,540 |
| 26. | WAZJNA | - Jim | ----- | 10,374 |
| 27. | K3EMR | - Gus | ----- | 10,080 |

* W3IBH operated 2 meters only
** W3CCX, Club station was operated by K3HJA, Earl.

Eight of the members had scores of over 9,000 points; five over 8,000 points; seven over 7,000 points; eight over 6,000 points and eight over 5,000 points.

Coming Events

- | | | |
|--------------|----|---|
| <u>MARCH</u> | 4 | <u>PHILA. CO. ARPSO MEETS</u> |
| | 11 | <u>DIRECTORS MEETING</u> |
| | 15 | <u>SOUTH PHILA AMATEUR RADIO CLUB AUCTION</u> |
| | 18 | <u>GENERAL MEETING</u> |
| <u>APRIL</u> | 11 | <u>PACK RATS LADIES NITE</u> |
| | 18 | <u>READING RADIO CLUB DINNER</u> |

the interference was coming from a manufacturing plant in Mannyunk using drying machines. When Ed asked him if he was going to tell them to clean it up, he said they couldn't do anything about it.

Ed said to him, "What is this, another SPS (Standard Pressed Steel) job?" The fellow threw up his arms and said, "Oh no! You've been talking to Harry Stein." (W3CL)

Ed told him that he was not dealing with amateur radio this time but with commercial broadcasting and that as soon as he left he would contact the New York office and they would report it to FCC in Washington.

Wonder how they made out.

THE AMATEUR
vs
THE PROFESSIONAL

By K3PXT, Carmen Diodati
93 N. Hilltop Drive,
Churchville, Pa.

Member of AREA

A controversial subject among the amateur fraternity is incentive licensing. It's purpose; to spur the amateur to become more proficient. The amateur is reminded that his is not a hobby but a service, that his goal is the advancement of the state of the art. No amateur who holds a bonifide license will refute this, but yet, how many hams gave these facts any consideration when they started the uphill road to obtain a license. To the majority of amateurs, the time and money invested to become a ham, was the "open sesame" to many hours of anticipated pleasure.

The amateur of today is compared to the amateur of yesteryear, it is inferred that he doesn't measure up to his predecessors, he has been tagged as an "appliance operator", it is said that he contributes nothing to the state of the art, and his main purpose is incorporate additional QRM on the overcrowded bands with his incessant yakking. Fortunately the amateur of today is no different from his counterpart of yesteryear. He does not hesitate to use his time and station in the public service, whether to pass an unimportant piece of traffic, to aid in a disaster, or respond to any emergency. However, he cannot set back the clock. The realistic fact that the state of the art has advanced to the point that any further breakthrough in the ever increasing complex field of electronics, requires an immense amount of laboratory equipment and an almost unlimited source of funds; has not been mentioned. The amateur would like to have these capabilities, regrettably he has not. Yet some amateur with his limited resources, working to improve his station may very well lead to another advancement in the state of the art,

and when he does, it will be a result of a fondness for his hobby and pride in his station. Money doesn't buy these!

The amateur of today is considered an appliance operator, who after working very diligently to achieve his license, suddenly ceases to put any further effort into learning more about his hobby. He purchases commercially available equipment and is in business. Never mentioned is the salesman, train engineer, the sheep farmer, and the many others who's vocation is so far remote from electronics that they have entered a completely new field. Being aware of this, these fellows subscribe to all the amateur periodicals, buy books, purchase tools and test equipment and endeavor to put this mass of confusion into something they can understand and do - only to become more confused, bewildered and uncertain.

An author friend once wrote a "How To" article which in essence took the reader by the hand and told him how to choose parts for a transmitter, how to lay out his parts, and how to build it. The article was forwarded to several periodicals, rejected in each case with the statement that the readers of the magazine were familiar with information of this type. The fact is, this is exactly the type of information the new and inexperienced amateur is looking for. He would like to see and feel the results of his new found knowledge. Not being able to build and troubleshoot, the amateur does what comes easiest - dial twisting; not because this is all he wants to do, but because he has not had the necessary guidance to do the other which are a part of amateur radio.

In the old days the only door to an amateur license was through another ham. The aspiring ham was helped with the code, the theory and above all, he was helped with his station. This was the most important asset the new amateur had. As a result, he learned how to lay out his parts, and why, he learned how to use the handbook, how to read a schematic and to troubleshoot. He learned by doing. By the time the new amateur had his license a year he was self sufficient, the more he applied himself the more proficient he became, and as he progressed the greater asset he became to amateur radio, his community and his nation. The amateur of today is mass produced, he has schools which do not teach him theory, the courses are designed so that the questions can be answered easily. There isn't time to teach the whys and wherefores, nor the time to learn. The result; the unequipped amateur who has the desire to learn but not the means. He does however, have the most precious thing required to become proficient; a love for his hobby. All he needs is the guidance and a little help.

It is disheartening to read the many
(next page)

editorials referring to incentive licensing. Prominent people in the amateur ranks deride the present day amateur as incompetent, yet percentage-wise the amateur can compare favorably with the professional. The statements which make this comparison are applicable to any field; the electronics field is chosen because it is allied to the amateur's avocation. The TV serviceman for example; the greatest majority of whom are tube changers. It would be surprising to determine the percentage of them who could actually logically analyze, then systematically troubleshoot a defective television receiver. The television men as do the electronic technicians, fall into three groups; mediocre, average and above average. The first group of technicians know the difference between capacitors, resistors and chokes. They can lace a cable, mount parts and wire according to a pictorial diagram. They never go beyond this level of competence. The average technician can wire according to a schematic, is fairly capable but requires considerable guidance to carry an assigned task to completion. The above technician is self-sufficient; he can do anything from lace cables to engineering. The difference in these levels is never a matter of luck, each group fits into the category which he has worked to achieve, the more each has put into his work the more proficient he has become. The above average or really proficient technicians are also a surprisingly small percentage of the over all group. Finally comes the electronic engineers. The engineer right out of school can offer no more than the ability to read and comprehend a book. He has tremendous potential; but unless he utilizes this potential he falls by the wayside, traveling hither and yon, contributing naught to the advancement of the art but his degree. The average engineer has applied himself somewhat, has become fairly competent, but never quite the expert. Last, but not least, are the gems, gems because they are so rare. They can do anything and everything and usually do. Their slogan - The possible can be done now; the impossible takes a little longer.

No amount of schooling ever resulted in a really proficient individual in either vocation or avocation. The expert is the product of a desire and a willingness to learn and keep on learning. The expert is never an 8 hour worker, but one who puts every opportunity into getting just a little more knowledge, as a result; a little more experience. The motivation for constantly applying oneself is an inherent characteristic of the expert, the stimuli required is the keen interest and a fondness for what one is doing. The amateur has this. The definition of the word amateur indicates that he has, and above all, what other hobbyist proves it so emphatically. In almost every other hobby the

only requirement is the mere purchase of equipment and one becomes active in the hobby. Not so the ham. He must be government approved. In order to obtain this approval he must apply himself; his operator's license proves that he has. The radio amateur has proven he has the basic requirements to attain proficiency. The amateur desires to become technically capable, he needs help. Let's not consider proficiency as a need for additional theory, but the means to apply the theory he knows. Help him learn by doing. Once started in the right direction, he'll continue on to new achievements and higher goals.

K.O.I.

By W3HKZ, Ed Kushner

HAM EQUIPMENT USED TO CONTROL SEATTLE AIR DEFENSE

From "Electronic News" February 3
COLORADO SPRINGS, Col. --

Ham radio equipment is being used by the Seattle North American Air Defense Command Sector at McChord Air Force Base, Wash., in ship-to-air control of fighter interceptors, according to the North American Air Defense Command headquarters here.

In practice emergency air defense operations last month, interceptor air control was relayed through the MARS (Military Affiliate Radio System) facility at a Neah Base, Wash., radar site to the USS Interpreter.

The radar picket ship then directed the fighters, F-102 Delta Daggers from Paine Field and F-106 Delta Darts from McChord, to their targets by ultrahigh frequency communications.

The sector headquarters a part of the 25th NORAD Region, maintained telephone contact during the operation with the 758th Radar Squadron, which operates the Neah Bay site.

This operation, entailing manual plotting and talking the pilot to target-intercept position, augments the computerized SAGE (Semi-Automatic Ground Environment) weapons-control system normally used.

Use of the picket ship off the Washington coast is an interim measure pending installation of additional radio equipment at the Neah Bay station to improve its capability to perform the emergency function.

DID YOU KNOW

That K3HJA, Earl, underwent a successful operation on his right wrist and is now at home recuperating?

The "Mother Nature" is really against W3SAD, Frankie? She blew over his tower on January 21 (straddling three roofs), and the three following Saturdays sent rain followed by high

HIGHLIGHTS OF DIRECTORS MEETING

FEBRUARY 12

winds on Sunday preventing the removal of the debris. On top of this, she dumped 7" of snow. (Thank goodness the neighbor's roof is not leaking. He and Frankie patched up the holes.) Even though the instruments at the airport weather station clocked winds up to 41 MPH, Jan. 21, the gusts were clocked up to 60 MPH at the Funeral Home of a friend of ours. (He has wind instruments on his roof.) Two of the Deacons from the church, non-hams, showed up with rope and ladders to help remove the junk from the roof but found it too windy. With one third of a 6 meter beam, lying on the neighbor's roof, two houses away and pointing straight up, Frankie is now known as the "6 meter moonbounce station".

W2EIF, Jo, Certificate Chairman, announced that 15 more Pack Rat Certificates have been awarded. (Hey Jo, how about giving me a list of all who have received our certificate for publication?)

W3HFY, Hal, reported that plans are underway for a transmitter hunt sometime in April or May.

W3CL, Harry, Membership Chairman, read a letter from W3GLI, George Reid, requesting to be placed on the Retired Member List. This request was granted. (That's GLI, boys) He also read a letter of resignation from W3VGN, Harvey Coon. This request was also granted. Both requests were made due to business commitments.

That K3FDH, Larry Halpern, one of our newest members, a Neuro-Pharmacologist with Merck Institute for Therapeutic Research, was the speaker at the meeting of the Phil-Mont Mobile Radio Club on Monday, February 4?

K3BPK, David Gindin, having passed his 21st Birthday is no longer a Student Member. He must now file an application for membership.

The W3HKZ, Ed Kushner, was the scheduled speaker for the January meeting of the North Penn Amateur Radio Club, (not held because of snow storm) and was re-scheduled for their February 11 meeting? Another snow storm may have cancelled that meeting. Anyway his subject was, or will be, "Ham TV."

A Vote of Thanks was given to K3IUZ, John and K3GAS, Doc, and the Co-ordinators for a Job well Done in the January Sweepstakes.

That VE3WSB, a Boy Scout Station in Ottawa, Ontario, Canada was opened on January 30?

OVERBROOK SCHOOL FOR THE BLIND GETS NEW HAM STATION, K3ZOU

From "CROSSTALK", Gloucester County ARC, New Jersey (They got it from Secane ARC News)

That it is now time for you to get in your reservations for Pack Rats Ladies Nite? Contac K3HWZ, Grandpop Bill.

"Operation Ham Shack" has now been completed with tremendous success. This fund raising drive, managed by Jane Johnson, K3RIH and Jack Kine, K3UYJ, was heartily supported by many hams in this area. In the short time that they had, (it had to be done before Christmas) they raised a total of \$530 cash, \$100 of this amount to be given as a prize to the holder of the lucky ticket which was drawn on Dec. 15, 1963 at the Headquarters Bldg. of the Secane Amateur Club, Secane, Pa. The winner was K3LSI, Steve Politzman, of 1849 Pennington Road, Phila.

That Linda Jean Harper, daughter of K2TYW, Ed, was married on Saturday, February 1? Congratulations. Sorry we were unable to attend due to illness.

LATE OSCAR NEWS

By W3ASK, George Jacobs
(QR Magazine)

There's been a hold on the OSCAR-III 90-day countdown. Progress is continuing on the design of the flight package, and the one-watt linear amplifier final is completely de-bugged and ready to go. Some problems still exist in the receiver design and in the power supply, but these appear to be well on the way to solution. At the present time it does not seem likely that OSCAR-III will fly before April 1, 1964

"Operation Ham Shack" was a fund raising drive by only two local hams to establish an amateur radio station in the newly formed Radio Club of the Overbrook School for the Blind of Phila. School funds could not provide money for equipment. With the help of many hams in the area, \$430 was given to these kids as a Christmas present. Hank Spears, K3RYD of Havertown, is an instructor at the school and originator of the radio club for the kids. Hank's XYL is blind and the mother of a six month old baby who is an up-and-coming ham, of course. The Heath Kit Company of Benton Harbor, Mich, did generously donate a completed and tested "SHAWNEE" six meter transceiver, with microphone and fittings. This outstanding gesture by one of the leading ham equipment companies is heartily appreciated.

<u>FREQ.</u> (mc)	<u>SATELLITE</u>
145.900	OSCAR 3, Amateur Radio
<u>MODULATION</u>	Repeater Communication channel
145.850	OSCAR 3, Amateur Radio
<u>MODULATION</u>	C.W. beacon and continuous telemetry

Transmitter hunt coming-up soon!

WHO IS THIS?

First encountered amateur radio in West Phila. High School in 1926 when a small group of students "discovered" the first edition of the ARRL Handbook. They decided to memorize the Handbook and build a ham station in an isolated tower of the school building. Their success was mostly due to the boundless enthusiasm and unlimited energy of _____. They all obtained licenses in 1928. For the next decade _____ spent at least 20 hours a day on ham radio. The small group of high school students was the nucleus of a club of 200 members. They sponsored all kinds of activities - nightly code classes, hamfests, hidden transmitter hunts, tours of broadcast and commercial stations, even an Atlantic Division Convention. _____ was always the spark plug in back of these things - always whipping up interest, participation, excitement.

About 1930, _____ got a job at RCA Victor in Camden, N.J. _____ worked his way up to the transmitter design section. For years RCA produced more hams than transmitters! RCA became a heavenly place for hams to work. The company was right clever - they overlooked all the ham radio work going on when they discovered it had created a tremendous market for ham receivers and transmitters.

Also in 1930, _____ joined the U.S. Naval Communication Reserve. Here was a golden opportunity - the application of ham radio to a military operation. When the Reserve Unit got permanent quarters in the Phila. Navy Yard, _____ personally built the operating tables and installed the equipment. He should have been awarded a medal, but the Navy was "broke" in those days. However, he rose from Radioman 3rd Class to Chief in a few years.

One evening during 1940, _____, in his usual form, was trying to arouse interest, discussion and action among some of his fellow ham Reservists. _____ proclaimed that, in the event of war, the South Sea Islands would be the only safe place to be. No one knows how many hams signed up in the Navy as a result of _____'s exciting arguments. But a few weeks later _____ received official Navy orders to Samoa. (Apparently some friendly officer overheard a portion of _____'s speech, and tried to do him a great favor.) _____ was a bit shook up, but made arrangements. RCA was shook from Camden to Sarnoff, because they foresaw the loss of many essential employees, with no war in sight. His orders were suddenly cancelled.

However, when things got hot in 1941, _____ went on duty before any of his friends. He was sent to Brazil where he supervised the construction and operation of advance U.S. Navy communication installations. His adventure in Brazil would make a fascinating book, with an unhappy ending.

slipped in the jungle one day, and sustained a painful crushed knee cap. This ultimately benefitted the Phila. Electric Co. There are no longer areas in Phila. where all the telegraph poles are festooned with airials. (The Co. tried to abandon service in a few places because of the danger to linemen from ham antennas.)

By the middle of 1946 Chief Warrant Officer _____ was beginning to think about a return to civilian life. He was offered a Civil Service job in the Navy Yard, where he could continue to work with Navy communication equipment but not be subject to distant transfer.

(_____ often remarks that he was advised of this job by the same person who had interested him in ham radio, just 20 years before - ruining his life.)

_____ 's job was soon transferred to the Naval Air Development Center in Johnsville, Pa. where he has kept the Radio Division in an uproar since 1947.

Thanks to W3AJS, Ed Koehner, our sneaky reporter! _____ may crown you, but we love you.

The identity of our mystery man will appear in the next issue.

You may find the answer sooner if you receive Ham Buerger's "QRNews".

READING RADIO CLUB'S 9th BANQUET

will be held on Saturday, April 18 in the Crystal Restaurant's Anniversary Room, 533 Penn Street, Reading, Pa. Price \$5.00 per person.

For further information contact:
W3WJC, Richard Ahrens,
3404 Reading Crest Ave.,
Reading, Pa.

EMERGENCY ...

The Shriner's Hospital for Crippled Children at Roosevelt Blvd, & Penny-pack Circle, Philadelphia, is starting a radio club and is in dire need of help. You can help by giving the following:

- Any and all publications put out by the ARRL. Any literature on helping these youngsters in learning about ham radio and how to become a ham.
- Code oscillators and keys.
- Equipment - transmitters and receivers - coax-fittings of all descriptions - prefer all equipment in working order, if possible.

The above items should be donations and none will be returned. All donations will be acknowledged if properly labelled with the donor's name

(next page)

and address.

This is a non-sectarian hospital and takes all children, male and female, up to the age of 16, regardless of race, color, religion or national origin. A lot of these children are bed-ridden, and some may be so for the rest of their lives. This will help them overcome their handicap, and provide many hours of pleasant recreation. You can bring any of the above items to the Shriner's Hospital, c/o Walter Faust, or drop them at HAM BEURGER'S. Your cooperation will be greatly appreciated.

Herb Scheinman, K3CMS

SOUTH PHILA. AMATEUR RADIO CLUB

SWAP-SHOP AND AUCTION

The SPARK will hold a Swap-Shop and Auction at the Child's School, 17th and Tasker Streets, Philadelphia on Sunday, March 15 from 1:00 to 6:00 P.M.

Bring equipment you may want to sell or swap, or just look around.

There will be a small charge of 5% on anything sold. An admission charge of 50 cents will be in order on that day.

SWAP & SHOPPE

Conducted by, W3ZRR, Raymond Whitehead
4534 N. Smedley Street,
Phila., Pa., 19140
215-DA. 4-5918

SWAP: Eric FM Tuner with AFC,
GE HI-FI, 20W Amplifier and
4CX250 tubes.

FOR: 6 meter mobile gear

WANTED: Any model of the Super Pro
Rec., 200, 210, 300, 310, 400,
BC 779, Etc. Will take same
in any condition, less power
supply, less tubes, minus
"S" meter, etc.

CONTACT: W3ZTL, Myles Groce
6043 N. 21st Street,
Phila., Pa. 19138
215-VI. 3-0116

FOR SALE OR TRADE:

6 meter H.8. 63 watts AM, CW,
NBFM Xmitter - built in 8 1/2"
rack panel. RF-5763-5763-
6146
Mod. 12AU7-6C4-pair 807 AM
plate modulation.
Power - 5U4 + Fil I. Regula-
tion for VFO 6 meter positions
(Pushbutton)

VFO- Built in 8 1/2" Rack Panel
(7 tubes) Coils and caps in
cast al. box. Coil wound on
Quartz form.
Built in V.R. Reg Pwr
Built in NBFM Modulator

CONTACT: K3AQH, Bob
215-RA. 5-6460

FOR SALE: Heath HX 30 6 meter SSB
Exciter, New Con. \$225
Clegg Interceptor New Con.
6 & 2 receiver \$325
Heath Shawnee 6 meter trans-
ceiver \$150
Tower 2-5 E1 HiGain Beams
2-11 E1 Cush Craft Beams
(6 meter HiGain, 2 meter
Cush Craft)
2 CDR Rotators plus all
cables for guying.
50' tower in 10' sections
and baseplate all- \$150
AFSK RTTY Dsc. & Conv. HB
with printed circuit boards
mtd on 19' panel \$35
ARC 2A HF Transceiver, fair
con. 2 - 9 Mc \$50
2 meter HB 829 Rig, driver
2E26 w/807 Mod. 100 watts
AM in cabinet 3 1/2' w/mike
\$75
Numerous spare parts, xfmrs,
tubes, cap. etc. Come
visit.

CONTACT: W3GCO, Ralph B. Dersch
446 Ottawa Street,
Forest Heights, Md.
LQ 7-1856

FOR SALE: Heathkit Shawnee, 6 meter
transceiver \$200
Heathkit HP-20 (600 v at
200 ma) power supply \$27
T.A.C.D. 10A6M 6 meter beam
10 elements on an 18' boom,
requires 300 ohm balanced
or 72 ohm coax transmission
line. \$18
72 ohm low loss (.97 db/100'
at 50 mc.) polyfoam coax
cable \$.08 a Ft.

CONTACT: K3ORD, Larry Fowler
1124 Oak Leaf Lane,
Warminster, Pa.
215-OS. 5-9426

FOR SALE: NEW: 2 - 4-250 A \$13 each
or 2 for \$25.00
2 - 813 \$8.00 each
or 2 for \$15.00

CONTACT: K3JKT
215-TR. 8-5639 or
215-TR. 7-9558

FOR SALE: 75S3 Collins Receiver, 8
months old \$450
(New \$680)

CONTACT: K3HWZ, Bill McCutcheon
124 Orchard Lane,
Feasterville, Pa. 19048
215-EL. 7-4972

Notice

MARCH 17 TO BE EFFECTIVE DATE OF FCC
SCHEDULE OF APPLICATION FILING FEES

The Commission's schedule of applica-
tion filing fees will become effective
March 17, 1964.

(next page)

By order of February 13, 1964, the U.S. Court of Appeals for the Seventh Circuit denied a motion for interlocutory injunction pending disposition of a joint petition for review which was brought in the court to set aside the commission's action in adopting the fee schedule. The order of the court also dissolved the 60-day temporary restraining order it had imposed on December 31, 1963.

In accordance with conditions contained in the court's order, all funds collected prior to final disposition of the petition for review will be held aside in a deposit fund account and provisions will be made by the Commission to return to the appropriate payors any fee which is found to be invalid by the court.

Applications submitted by mail and postmarked later than 12.00 midnight March 16, 1964, must be accompanied by the fees prescribed in the Commission's rules. No fees will be required to accompany applications postmarked prior to March 17, 1964, irrespective of the date on which the application actually arrives at the Commission, or any of its field offices.

Applications submitted by hand to the Commission, or to any of its field offices, subsequent to the close of normal working hours on March 16, 1964, must be accompanied by the fees prescribed in the Commission's rules.

Reminder of the fees: \$4.00 for original and renewal, and \$2.00 for modification. \$20.00 for Special Call sign. No charge for Novice or RACES.

OFFICIAL BULLETIN NR 934 FROM ARRL HDQ
JAN. 30, 1964

TO ALL RADIO AMATEURS BT

In connection with reflective satellite Echo Two, amateurs are asked to record all received signals believed to be reflected from Echo Two and to notify ARRL immediately regarding the nature and extent of observed irregularities as evidenced by variations in signal strength or tone. Please describe in as much detail as possible, identifying the calls received and indicating the time and date of reception closely. State whether circular polarization was used at either end and describe the methods used with each station's antenna. Do not send recordings unless requested.

AR

OFFICIAL BULLETIN NR 935 FROM ARRL HDQ
FEB. 6, 1964

TO ALL RADIO AMATEURS BT

A new temporary third party traffic agreement has been announced whereby amateurs in the United States may handle unimportant personal messages on behalf of third parties with amateur station 4ULITU in Geneva, Switzerland,

during the period January 27 through July 31, 1964.

This bulletin supercedes Official Bulletin Number 904 dated July 3, 1963 concerning 4ULITU

AR

OFFICIAL BULLETIN NR 936 FROM ARRL HDQ
FEB. 13, 1964

TO ALL RADIO AMATEURS BT

The American Red Cross and the American Radio Relay League, working partners in major disasters for many years, February 5th signed a new statement of understanding aimed at increasing the effectiveness of future operations. Presidents Alfred M. Gruenther of the Red Cross and Herbert Hoover, Jr., W6ZH of ARRL were principals in the signing ceremonies. The new understanding is expected to further the organized cooperation of radio amateurs in their handling of disaster communications of concern to the Red Cross through the medium of the Amateur Radio Public Service Corps. Further information will appear in April QST.

AR

NEW SECTION EMERGENCY COORDINATOR FOR
EASTERN PENNSYLVANIA

W3CUI, EMMET KUEHNER the Section Emergency Coordinator for Eastern Pennsylvania joined Silent Keys on February 8 at 1:00 P.M.

As of February 9, 1964, K3MQE, Albert W. Rhoads, 537 Susquehanna Avenue, Sunbury, Pa. has been appointed the new Section Emergency Coordinator for Eastern Pennsylvania. Hence all EC monthly reports should be mailed to this address.

Al, as he is known on the bands, is quite active on both phone and C.W. An ardent traffic man and active in the Susquehanna Valley Amateur Radio Club. Al comes highly recommended by both section traffic nets. Therefore I ask you to confide in him and give him your assistance and support.

Sincere 73,

W3ZRQ, Allen Breiner,
SCM Eastern Pennsylvania

NEW PRODUCTS OF INTEREST TO HAMS

By W3NSI, Lynford Rowland, Jr.

1. RCA Nuvistors-Low Plate Voltage

Several new units have been brought out by RCA, one of which is designed to operate on 24 V - plate and fil. This is a triode type 8456. The transconductance is 7.5 K.

Three other types have just been announced: one of which is a power tetrode with a plate diss. rating of 1.6 watts. This is the 8380

(next page)

and is used as an RF amp to 80 mc. The 8382 is a power triode used for amp and doubler service to 175 mc.

The last unit is type 3441- a high transconductance (9.4K) triode designed for low noise applications.

2. Sub-Miniature Slide Switch
Wirt Co. has two switches available that can be used in many places where limited space would prevent a normal sized switch from being mounted. The G-128 is a DP3P type, while the C-124 is a SPDT type.
Both are available from stock.

Continental-Wirt Electronics,
26 W. Queen Lane,
Phila., Pa. 19144

3. Portable Gas Generator

For those hams interested in portable or field day operation, this very compact unit could be the answer. Unlike several other small jobs on the market today, it will run for 4 hours on one filling of gas-oil mixture. Rated at 300 watts continuous duty, it has outputs of 115 VAC and 6 & 12 VDC for battery charging. Units wt. is 12-13 lbs.
Price listed \$129.50 (model D) (should be subject to some discount)

Nichols Industries, Inc.
P.O. Box 1191
Jacksonville, Texas

NEW PRODUCTS FROM GENERAL ELECTRIC

Two types of reed switch coils are now available through authorized distributors of the General Electric "Experimenter Line" of blistercard packed components.

The coils are for use with the G-E X-7 reed switch, which is suggested for use in making night light controls, light flashers and burglar alarms.

Coil C-1: 7000 turns of #38 magnet wire, d-c resistance 440 ohms.

Coil C-2: 10,000 turns of #39 magnet wire, d-c resistance 825 ohms.

Suggested user price for each coil is \$1.60

A really new triode-pentode, that old tube with so many variations, combines a 5-watt audio output pentode and a voltage amplifier triode in fewer inches than ever before achieved. The General Electric Tube Department has registered a type 6T9 compactron which has a seated height of 2 inches and a diameter of 1.188 inches. General Electric's new compactron combines a 5-watt audio output pentode and a voltage amplifier triode in a very small space. The tube -- designated type 6T9 -- is very small. It offers designers a 5-watt driver/power

output combination which is suitable as a one-tube phonograph or other audio application.

MUSINGS OF AN ORDINARY HOUSEWIFE

Gee, I wish General Electric (Sylvania & Westinghouse) would come out with just a plain, ordinary light bulb that would last longer than 3 months.

Not to date ourself, but do you remember when you could buy a light bulb, any wattage, for 5¢, and when it burned out, you took it to your local Electric Company Store and they replaced it, free? These bulbs lasted, at least, one year. Now you pay, in a range according to wattage, 18¢ for 15 watts up to 28¢ for 60 watts, and the darned things burn out in 3 months.

NEW BOOKS FROM SAMS

1. OVER 10,000 SUBSTITUTES LISTED IN NEW 7th EDITION OF SAMS TUBE SUBSTITUTION HANDBOOK

TUBE SUBSTITUTION HANDBOOK, 7th Edition, Catalog No. TUB-7
Size: 128 pages
Price- \$1.50

2. PRACTICAL TRANSISTOR THEORY, Catalog No. PTW-1
Size: 128 pages
Price- \$2.50

3. PRACTICAL HAM RADIO PROJECTS, Catalog No. ARC-1
Size: 128 pages
Price- \$2.50

The above books are available from your local distributor.

Review copies available on request from: Technical Book Division, Howard W. Sams & Co., Inc., 4300 W. 62nd St., Indianapolis, Indiana 46206

WHAT HAPPENS ON SIX

By K3ACR, Richard Pattison

This winter is probably going down in many minds as the most windy winter in a long, long time. Especially for several stations who lost antenna installations.

W3MFY, Pres, was one of the unfortunates losing the mast of his low freq., 2 meter, and 220 antennas, however no damage to antennas was suffered.

W3MXW, Joe, we also understand, had a bit of trouble with "old man winter", and we hear him around at other QTH's as well as mobile, keeping in touch.

W3OHY, Tom, is the proud owner of a new tower and now really puts out a terrific signal on 6.

W3CFS, Ed, may not be able to work some of us on 220, but, on 6, he sure puts a nice signal into the Washington D.C. area.

W3QR, Alan, really has himself a station. Now reports he has heard nets in the Pittsburgh area and also worked a VP on a short opening in the first week of February.

"Where are the Pack Rats on 6 Meters?" I was asked this question when visited K3VZH, Bob, in Lanham, Md. He has been trying for a Pack Rat Certificate for several months.

He told me he hears W3QR, Alan, K3LDM, Harry regularly and has worked K3LDM many times. He listens to our net on Monday night and hears quite a few signals regularly, but how can he get his certificate if most stations only fire-up for net.

(Ed. note: This problem has been mentioned before, but we will mention it once again. Because of an unusual situation, the Pack Rats in Phila. proper, find it impossible to work Maryland and Washington, D.C. on 6 meters. Two, yes, but six, no. This condition exists also in Camden, N.J., but not quite so definite as in Phila. When W2EIF, Jo, lived in Camden it took him one year to work ten members of the National Capitol VHF Club on 6 meters. Not because they weren't on, but because of the location.

W3SAG, Frankie, has been able to work both Washington, D.C. and Maryland on six, while on vacation, 100 miles N.W. of Phila. with no problem, but from home, no.

Rich, if you will notice, the stations mentioned that your friend has worked or heard are outside of Phila. Now, take Delaware, which lies in the middle of the two sections. On six meters, this section can be worked at any time from Phila. Why, I don't know. Must be just the way the signal bounces.)

I would like to note several very good sporadic E openings in January and our certificate is well known to the South and Mid-West, but it's pretty hard to work 10 Pack Rats when no more than 3 or 4 are in there fighting the QRM.

I have worked 7 members of a club in Memphis, Tenn., who require only 5 members for a certificate, in one band opening of about one hour and a half, a very active club and a real nice certificate.

Let's keep W2EIF, Jo, busy writing a lot of certificates..

CERTIFICATES

By, Ye Editor

Before we start this notation, we want to point out that we are not against certificates for outstanding achievement, I.E. Working All States, Working All Countries, Working All Counties or C.W. Proficiency, or other outstanding service.

What we are objecting to are Certificates issued to club members and other

hams just for working each other.

When you spent all that time studying code and theory to get your license, or for the privilege of talking to others throughout the country and the world; to offer your help in time of emergency, or did you do it just to receive a certificate for working a certain number of members of a club?

I know, you can tell me, and I have been told, as a non-ham to keep my mouth shut, but I am not alone in my opinion.

Why should any club have to pay other hams with a certificate to talk to the members.

When a club offers a certificate the contact is simply no more than that of a Contest contact. All the ham wants is; date, time and call for the certificate. He doesn't want to establish a friendship. Nine times out of ten, the next time he works you he won't remember you.

Whether or not, you realize it, some certificates you apply for you have to pay for, and they don't tell you what the money is for. Is it to build-up the club treasury or is the money put to good use; e.i. "Slave Certificate", of the AR-Sar-Ben Radio Club, this money is used to provide children a Merry Christmas in hospitals.

In our opinion, this is no more than paying (bribing) a child to do what he/she is normally to do. We all know that today, a child does need an allowance for school supplies and a few pleasures. A child should be given extra money only when he/she has done some extra work other than required.

So, a Certificate should only be offered to someone doing outstanding radio work, not just for working one another.

JUNE VHF QSO PARTY

By K3LDM, Harry Brandt,
Chairman

In looking over the scores of the past two years, ours and other clubs, we note that we have lost both by sections and number of contacts. We need a general overhaul for the QSO Party exercises. True, we have taken E. Pa. the past two years, but there isn't any competition at all. The closest station to us was operated by only one man while we had 18 operators. Even then, we only beat him by a slim margin.

We are in the Atlantic Division, of which E. Pa. is only a section. We came in 3rd in the Atlantic Division. Of the two sections ahead of us, one was the Md., D.C. section. They were only on 2 bands while we were on 4 and they only had 6 operators to our 18. They had 90 more contacts and 10 more sections. There is no excuse for this. That was the number one station in our division.

The second section that was ahead of us was W; N.Y., but I don't think they were trying.

Last year, once again we came in 3rd in our division, and our division came in 3rd in the country. The two divisions that walked away with the honors were the Hudson Division in E. N.Y. with 95 more contacts and 28 more sections. Also in the Hudson Division, another station had 261 more contacts and only 9 more sections which shows something between these two scores.

The other division that walked away was the New England Division which won the contest. One club had 823 contacts and 74 sections, against our 504 contacts and 51 sections. The group that won the whole contest had 970 contacts and 84 sections.

Last year we were 9th in the country and the year before we were 6th in the country, so we even dropped behind, last year.

Both years the same section in our division beat us, that station is W3JZY. They are in for a rude awakening. They will know that W3CCX is the club that they will place second to.

The two divisions we are setting our sights on are the Hudson and New England Divisions. They just about tripled our score last year. It will take a different attitude of the group participating both in operating and volunteered equipment. The January Contest is handled by teamwork and the June QSO Party can also be handled this way. Better, I think, because we could be using the cream of the equipment available.

As I said last month, surely some of our original members, or Club Fathers, looked upon the January contest as I know some are looking at the June contest. I can't see how higher elevations is going to make that much difference. We will make that up with effort. Even QST mentioned how well a station did even though he was out of what they call the Metropolitan Area, or high activity area. Certainly we are in the general area to work the 4 main sections in the Atlantic Division, N.Y.-L.I., N.N.J., S.N.J. and E. Pa. We are closer to all of these than either W. Mass. or E. Mass., who are the "King Pins" we have to knock off. The "Past" number one club in the country is the King Philip Amateur Radio Society. They roost on the highest point in Mass.; Mt. Greylock.

COMPACT 6 METER CONVERTER

"A field day goodie".

From VHFER, published by Comaire Electronics, Willsworth, Michigan.

The "ham" vacationer, field day enthusiast, or fellow who travels and wants a small 6 meter receiving package, will find this small converter a useful, inexpensive addition to the

portable station. The I.F. output used was selected so the converter could be used with a 40 meter command receiver. By installing the converter on the rear deck of the command set, a sensitive, compact 6 meter receiver results. The converter can of course be used with any receiver capable of tuning 7-11 MC. Since most 6 meter operation is confined to the lower two megacycles of the band, the 7-9 MC. tuning range will suffice.

As you will note, a 6CW4 Nuvistor is used as a grounded grid R.F. amplifier. This eliminates the need for neutralization and offers good sensitivity with low noise characteristics. A 6BS8 dual triode tube is used as a mixer and O.T. oscillator.

The converter can be operated from a small half wave Xfmr., delivering 6.3V at .6 amps and 130V at 30 MA.

Disc ceramic capacitors are used throughout. Make certain that all leads are kept as short and direct as possible. Place coil L-1 at right angles to coils L-2 and L-3. The balance of the layout is not particularly critical. The entire converter can be built on a 2 $\frac{3}{4}$ x 2 $\frac{1}{4}$ x 4 inch mini-box.

Tune up is simple and straight forward. With the aid of a grid dipper, field strength meter or receiver capable of tuning to 43 MC., adjust L-6 until the crystal oscillates. Advance L-6, 2 more points past this point to assure proper starting of the crystal each time the converter is turned on. Tune in a weak signal near 50.2 MC. and adjust L-2 and L-3 for max. output. Tune in another weak signal near 51 MC. and peak L-4 for max. sensitivity. You're now ready to receive 6 meters.

Modification data for command set receivers can be found in surplus conversion manuals. Though the 40 meter version is somewhat lacking in selectivity, it offers an economical approach to 6 meter portable operation. This package should be useful to the 6 meter beginner too.

COIL DATA

- L-1 16 ts #20 en. wire, 3-1/8" dia. airwound. TAP at 6ts from 6CW4 cathode
- L-2 & L-3 7 ts #30 en. wire on 1/2 dia. iron slug form
- L-4 1" #28 en. wire on 3/8" iron slug form
- L-5 10 ts Same wound over B+ end of L-4
- L-6 10 ts #30 en. wire on 1/4" dia. iron slug form

(Schematic and suggested layout on next page)

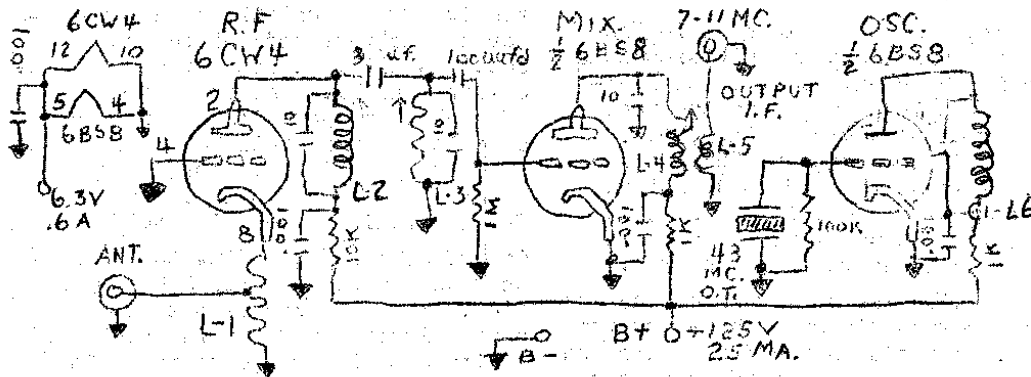


FIG. 1

6 METER CONVERTER

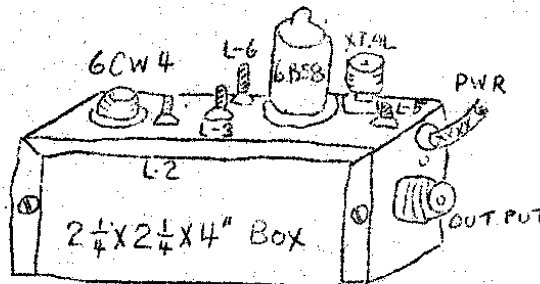


FIG. 2 SUGGESTED LAYOUT

MONKEY BUSINESS

A talk given by K3FDH, Larry Helpern at the Phil-Mont Mobile Radio Club on February 3, 1964

By W3HFY, Harold Grace

Larry, a Neuro-pharmacologist associated with the Merc Institute for Therapeutic Research, presented a lively illustrated discussion concerning the monitoring of nerve pulses and brain waves in research aimed at the development of new and improved pain killing drugs. As you have probably guessed, monkeys are the subjects used in these elaborate experiments, and as Larry demonstrated they can really be wired for sound.

Of particular interest were the unusual electronic problems of circuit design for very low noise pickup, the actual pickup electrode design, and the implantation of these electrodes in the monkey (here you need a strong stomach) Larry did a fine job of illustrating the solutions to these knotty problems while keeping his audience highly amused by other problems connected with the "monkey-business".

HIGHLIGHTS OF THE GENERAL

MEETING, FEBRUARY 19, 1964

In spite of the continuing snow storm, which started the day before, the meeting was held with 45 members and friends in attendance. Our speaker

K3EGP, Ralph Blakemore and his friend, W3LRF, John came all the way from Levittown, Pa.

W3CL, Harry presented the letter of resignation of W3VGN, Harvey Coon to the membership for a vote. It was approved. He also presented the letter from W3GLI, George Reid requesting Retired Membership. This was also approved.

Happy Birthdays were wished for the members but unfortunately I do not have the list. The only member I know who had a Birthday in February is W3IBH, Charlie. Perhaps next issue we will have the complete list for February and March.

K3HWZ, Grandpop Bill announced that reservations for Ladies Nite must be made NO LATER than Monday, April 6.

K3LOM, Harry, made a report on the probable location for the June QSO Party. The committee will investigate a location in Green Lane, Pa.

The Past-Presidents of the club were introduced to the assembled group. They are: W3IBH; Charlie-1956-56

- W3FSC; Oscar-1956-57
- W3DZP, Bill-1957-58
- W3CL, Harry-1958-59-60
- W3HKZ, Ed-1960-61
- W2AXU, Jack-1961-62
- K3IUU, Bert-1962-63

The club was founded in 1956 and W3IBH was appointed President until an election was held.

K3EGP, Ralph showed a film from the Bell Telephone Co called, "The Restless Sea", regarding the laying of the Trans-Atlantic Cable.

Just heard on the 8:00 A.M. news report this morning, Feb. 26 that K3ACR, Richard Pattison is in the Abington Memorial Hospital, Abington, Pa. in critical condition after having fallen off his roof the night before. The nurse said he is resting comfortably and has multiple bruises and cuts. Right now he is in the Men's Surgical Ward and as soon as they have a semi-private room available they will move him.

I told the nurse to tell him that Mother Rat called and she started laughing and I had to explain that he is a "Pack Rat" and he would know who she meant.

Send him a card.

Last evening we got a more complete story on what happened to Rich, after W3CL, Harry returned from the hospital. (Today is the 27th) Harry only talked to Rich for about 30 seconds, but he got the story from Jorgeann, Rich's XYL.

Rich does not use a ladder to reach the roof, as there is a tree close to the window of his shack and he reaches over to the tree and gets to the roof from the tree. Tuesday night he reached for the tree and missed and fell 15' and landed on concrete. K3LOM, Harry was in the shack at the time; and he went down and found Rich. Poor, Harry, can't you just imagine how he felt. The first thing he did was to call the police, and then grab a blanket and cover Rich. Then he told Jorgeann what happened.

Because of profuse bleeding from the nose and mouth they took him to the hospital lying face down so that he would not drown in his blood. As soon as they reached the hospital a surgeon opened his windpipe and inserted a tube and they fed him oxygen through the tube. (Can't spell the word for that operation)

Rich has; a concussion, shattered right wrist, contusions of the left side of the face, a large gash under the chin. As of last night, they were not yet sure if he has a broken jaw. They did discover that his lungs are not punctured.

Because of the concussion he is not receiving any sedation to relieve his pain for three days. (By the time you read this the waiting period will be over). The hospital asked that he have no visitors until after the weekend.

The Abington Hospital reported that they are astounded as they have never received so many calls for any patient.

MEETING NOTICES

MARCH 4 PHILA. CO. ARPSC

The regular meeting of the Phila. Co. ARPSC will be held on Wednesday, March 4 at 8:00 P.M. at the Gilbert Spriance School, Horrocks and Levick Sts.

MARCH 11 BOARD OF DIRECTORS

The Board of Directors' meeting will be held on Wednesday, March 11 at the QTH of W2AXU, Jack Power, 25 Van Duyn Drive, Trenton, N.J. at 8:00 P.M.

If you are unable to attend please call 609-882-1040

MARCH 18 GENERAL MEETING

The General Meeting of the club will be held on Wednesday, March 18 at the West Oak Lane Jewish Community Center, Sedgwick and Thouron Streets at 8:00 P.M.

as they have for Rich on the first day. When I called today, I was referred to information and she told me that his condition was fair and I asked questions about him and she told me that she couldn't answer them as her job is just routine so I asked if I could speak to his nurse. She then asked me if I were a member of the family and I told her that I was calling for the radio club, and she asked if I would wait while she transferred my call. The nurse said that his condition is fair, and as far as she knows he will not need blood, but if he should they will let us know.

We all know that Rich will be in the hospital for quite awhile so let's not forget him. If you can't visit him write to him or call, when he is placed in a semi-private room he will have a phone, and if he can't talk to you, his XYL can, and you can be sure that as soon as he is ambulatory he will have a rig in the room.

Just received a landline call from K3G0Z, Herm, and he reports via K3MWW, Dick, from Newportville, Pa., who is attending Ogontz Center of the Penn State University that Rich is in room A-1, Abington Hospital, Abington, Pa. 19001. Dick says that he will stop in every day and give a report on the air of Rich's condition.

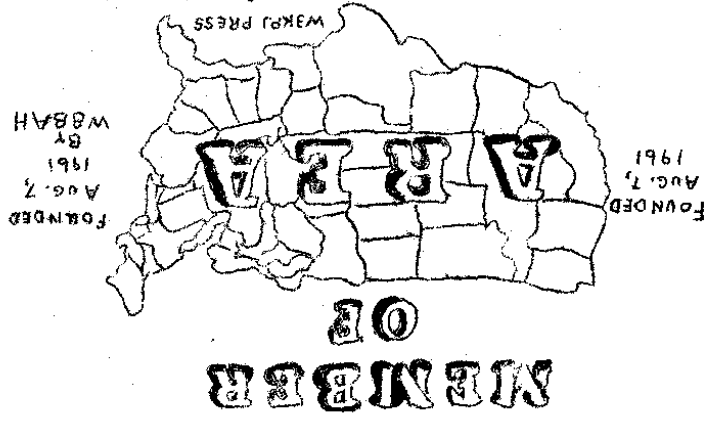
God spared Rich in the fall, but he now needs our prayers for recovery.

The hospital's phone number is, 215-TU. 4-2200.

Rich also has a broken nose.

He visited Rich yesterday March 1, and he is very cheerful. Also learned his left wrist is also broken, but not like his right one.

AMATEUR RADIO EDITORS' ASSOCIATION



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

MAR 4 1964



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MEETING NOTICE