



VOLUME V MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA. NUMBER 1
(144.2, 50.2 and 221.4 MC.)

W3CCX APRIL 1962 MEMBER: A.R.E.A.
(meeting notices, last page)



(Read W1BDI's comments under "NOTICE" on another page. Received late for follow-up.) LATE NEWS FLASH ON LICENSE FEE (Reprinted from S. J. R. A. "HARMONICS") (Read "FLASH" following "COMING EVENTS")

Docket #14507 is the number assigned to the petition calling for a fee when a license is granted by the FCC. There were three commissioners casting dissenting votes. They were Ford, Cross and Bartley. If you object, your letter of objection must be received before April 16, 1962. Following is the basis for the petition.

APPENDIX A
5 U.S.C., Sec. 140

"It is the sense of the Congress that any work, service, publication, report, document, benefit, privilege, authority, use, franchise, license, permit, certificate, registration, or similar thing of value or utility performed, furnished, provided, granted, prepared, or issued by any Federal Agency, (including wholly owned Government Corporations as defined in the Government Corporation Control Act of 1945) to or for any person (including groups, association, organizations, partnerships, corporations, or businesses), except those engaged in the transaction of the official business of the Government, shall be self-sustaining to the full extent possible, and the head of each Federal Agency is authorized by regulation (which, in the case of agencies in the executive branch, shall be as uniform as practicable and subject to such policies as the President may prescribe) to prescribe therefore such fee, charge or price, if any, as he shall determine, in case none exists, or redetermine, in case of an existing one, to be fair and equitable taking into consideration direct and indirect cost to the Government, value to the recipient, public policy or interest served, and other pertinent facts, and any amount so determined or redetermined shall be collected and paid into the Treasury as miscellaneous receipts; provided, that nothing in this title shall repeal or modify existing statutes prohibiting the collection, fixing the amount, or directing the disposition of any fee, charge or price; provided further, that nothing contained in this title shall repeal or modify existing statutes prescribing bases for calculation of any fee, charge or price, but this proviso shall not restrict the redetermination or recalculation in accordance with the prescribed bases of the amount of any such fee, charge or price."

DISSENTING STATEMENT OF COMMISSIONER BARTLEY

While I can accept the concept that user charges, endorsed by Congress in the Independent Offices Appropriation Act of 1952, is desirable for the types of special benefits conferred by some Federal Agencies, I am of the opinion that fees for services of this Commission in regulating communications by wire and radio are incompatible with certain basic principles of the Communications Act of 1934, as amended.

Regulation of communications is for the benefit of the public and not for the benefit of the industry which is regulated.

Licenses may be issued by the Commission for fixed periods only upon a finding that the public interest, convenience and necessity would be served thereby. Thus, the primary beneficiary of our licensing activities is intended to be the general public. Although a license, use under the license is always subservient to public interest.

Licenses issued by the Commission are for use, only, of a frequency and confer

(CONTINUED)

no ownership rights therein. Charging fees for licenses may well create here a contention of ownership or proprietary right inherent in other types of license fee payments.

The Commission is charged with the responsibility of promoting maximum effectiveness in the use of wire and radio communication for service to the people of the United States and for the safety of their life and property. The assessment of fees would be a deterrent to effectuation of that purpose by making more difficult our implementation of new uses under Section 303 (g) of the Communications Act of 1934, as amended.

In view of the foregoing, I dissent to the issuance of this proposed rule-making.

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EDITOR: HELEN BRICK, XYL, W3SAO
829 W. Fishers Avenue,
Phila., 41, Pa.
215- DA. 4-7524

PRESIDENT: W2AXU, John B. Power
VICE-PRES.: K3IUV, Bert Soltoff
REC. SEC.: W3ZRR; Raymond Whitehead
COR. SEC.: W2EIF; Joseph Kilgore
TREASURER: W3MVF, David Bloch

CLUB CALL: W3CCX
TRUSTEE: W3FOZ, Charles Koelsch
2600 Horsham Road,
Hatboro, Pa.

DIRECTORS: W3CL, Harry Stein
W3KKN, Ernest Kenas
W3HKZ; Edward Kushner
W3SAO, Francis Brick
K3CIV, Ralph Hersh
(Ex-Officio)

COUNCIL REPRESENTATIVES:
W3AYG, John Harris
K3LBT, Alfred Obenland

MEETINGS: DIRECTORS: Second Wednesday,
each month. 0100 GMT
GENERAL: Third Wednesday
each month. West Oak Lane
Jewish Community Center.
Sedgwick & Thouron Sts.,
Mt. Airy, Phila., Pa.
0100 GMT.

NETS: 144.2, Monday, 0100 GMT
50.2, Monday, 0200 GMT
221.4, Monday, 0300 GMT
NITWIT: Monday, 0300 GMT
(50.2)

ATTENTION

K3AUH, K3BEF, W3BQU, W3BVR, K3BVZ,
W3BYB, W3CFS, K3CHN, W3CKP, W3CLT,
W3CXU, K3EHQ, K3EKK, K3EMR, W3FOZ,
W3FQD, W3GEC, W3GEW, W3HAB, K3HSS,
W3HYJ, W3HYD, W3I9H, K3IPM, W3ISV,
W3IXL, K3JUZ, W3JSD, W3KFC, W3KLL,
W3KXH, K3NQN, W3QZP, W3GMK, K2SMZ,
W2SXO, K2TYW, W3TYX, W3UMI, W3VGN,
W3ZEY, W3ZTL. Also; K3CIV, W3JAY,
W3NKD, W3RZU and K3BPP.

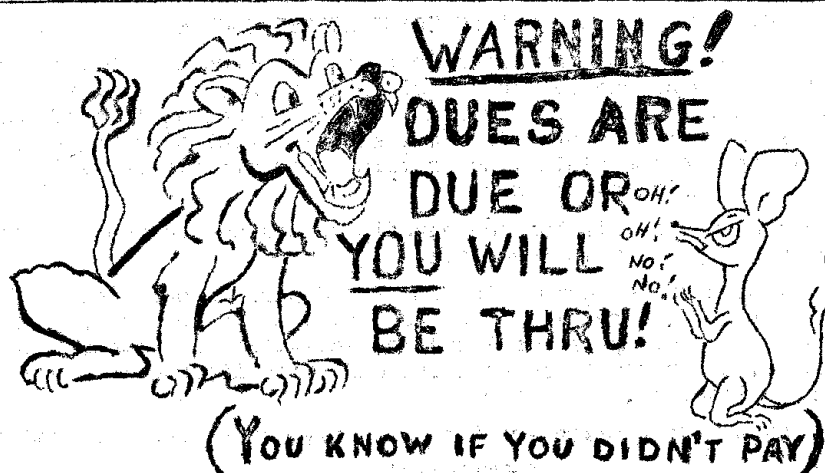
What happened, boys, did you break an arm? Where are the cards that you were to fill in and mail to me? It's too late for this year but I will need it for next year. PLEASE DO IT NOW.

"Mother Rat"

I'm going to get murdered. In making the new membership book I omitted one of my sons, K3IFH, Ed Guscin. He sent me his card and even joined the ARRL. "What can I say, dear, after I say I'm sorry?"

The information will be on the last page, along with a reprint of W3BQU, on page 4 of the book, which for some reason didn't come out right.

Applications for membership in the ARRL may be had by contacting Dave, W3MVF. He also has the forms for renewal. When you receive your expiration notice ask him for the form and save 50¢ as a member of an affiliated club.



Before we go any farther, I wish to correct a mistake that I made in the last issue of "Cheese Bits" on the special page regarding the \$5.00 fee proposed by the FCC.

Membership in the ARRL is \$2.50 per year, not \$1.00 as stated. I found it out when Frankie got his expiration notice. (I still say that's cheap for a lawyer). Anyway it did get a new member for the ARRL!

OK, Ed, W1HDQ, you won't have to hit me when you see me at the May 16 meeting.

CONSTITUTION & BY-LAWS

As promised in the last issue they are ready. Instead of mailing them to each member as stated, in order to save expenses, they will be handed out at the April 26 meeting. PLEASE NOTE THE CHANGE IN MEETING DATE. Please make every effort to attend, as the postage for each one is 12¢.

The Officers and Directors will receive their's at the Directors' meeting.

Copies have been mailed to the Retired Members and those who we know, at this time, will be unable to attend.

This new copy makes all other copies obsolete, so destroy them.

You will notice that this copy is printed only on one side. This was done for a twofold purpose;

- (1) Readability
- (2) Plenty of room for adding any new amendments.

DOCKET # 14507, \$5.00 FEE

(Editor's note; We stated in the last issue that we would not use these pages for "a battleground" in this issue. We stated that we would print one letter pro and one letter con. We have not received any letters in favor, but of the letters not in favor, we find that the following one presents the case against the fee, in such a manner that it is worthy of reprint. As per the request of the writer, the name will be withheld.)

March 22, 1962

Mr. Newton N. Minow:
Head Commissioner,
Federal Communications Commission,
Washington, D.C.

Dear Mr. Minow:

Docket #14507, as proposed by the FCC, is certainly a slap in the face to the Radio Amateur, especially in the 50th year of the first Amateur License issued.

Have you considered the services rendered by the Amateur, free of charge in cases of disaster, emergencies, and relaying messages from servicemen around the world to their families at home?

Have you considered the army of Amateurs, supplying communications for Civil Defense and Red Cross Disaster Service? The most recent example is the disaster in New Jersey, Delaware and Maryland on March 6. All free of charge.

Have you considered that through the experiments of the Amateur the first commercial radio station came to be; KDKA?

Have you considered that through the experiments of the Amateur in the VHF and UHF spectrum, once considered impractical for commercial use, you now have television? Also through these experiments it was possible to track Lt. Col. John Glenn in his Tri-Orbit of the earth, and the tracking of other satellites, foreign or American.

Have you considered that the Amateur was the first to bounce a radio signal off the moon proving to the Government Services that it is possible?

In December of last year, the Amateurs constructed and put into orbit their own satellite, on 148.89 MC. for the purpose of propagation factors. They are ready to launch another one soon.

Have you considered the fact that the VHF and UHF Amateurs police their own frequencies thus saving the FCC the expense of monitor stations?

Have you considered that through the experiments of the Amateur in VHF and UHF the Police and Fire Departments now have a means of direct communication, also the Military, thus saving hours of time?

Have you considered the service of ARMS (Amateur Radio Missionary Service) to the Missionaries in foreign countries?

Have you considered that the Amateur must take a test to prove that he knows International Code and Radio Theory before he can be licensed?

All of the above services and findings of the experiments are offered free of charge to the public and Government. Should the proposal in Docket #14507 be approved, the Amateur would be the same as a commercial station, and therefore would have the same advantages of a commercial station. He will be able to charge for all services, broadcast commercials and music. Have you considered this before making the proposal?

Webster defines an Amateur as; "A person who does something for the pleasure in it rather than for money."

Remember, Amateur Radio, although a hobby, has contributed more to the welfare of the public than any other hobby. It has also opened the doors of the world to the blind, cripples and shut-in. Amateur Radio has given

self-confidence to the shy, and has strengthened the weak.

No Amateur would oppose a flat \$5.00 fee for a license and renewal. Ordinarily a \$5.00 license fee, spread over 5 years, is only \$1.00 a year.

Docket #14507 proposes \$5.00 for a new license, \$5.00 for a duplicate, \$5.00 for change of address and \$5.00 for renewal.

Now, consider the Amateur with three children who are also Amateurs. Does he pay \$5.00? No. He pays \$20.00 for licenses and renewals. (\$4.00 a year). Because of the nature of his livelihood, he must change his residence three times a year. Does that average out to \$4.00 a year? It does not! He must pay \$60.00 a year just to change the address.

Also consider the case of the Serviceman. Each time the Government transfers him, within the country, he must pay \$5.00 additional.

Mr. Minow, as an Amateur Radio Operator, I ask you to reconsider the proposals in Docket #14507 before you choke-off the Government's access to free experimentation in communications.

NORTHEAST HIGH SCHOOL RADIO TRANSMITTING SOCIETY W3YC

By Lyn Rowland, W3NSI

The NEHS Radio Trans. Soc. was originally called the "Wireless Club" and was active first back in late 1912 with the call 3GN from the old school at 8th and Lehigh. Many oldtimers operated the spark $\frac{1}{2}$ KW transmitter from this location, including Brad Martin, W3QV and Paul Keller, W3WV. The first sponsor of the club was Prof. Firmin. Mr Johnson took over the club activity about 1920 and held this post until just before World War II. During this time the call 3YC was issued (about 1920). In 1934 the call W3ASF appeared due to 3YC having been allowed to lapse. K3CSK was issued when the new Northeast opened at Cottman and Algon Streets.

The idea of having the old call re-issued occurred when a story about the old NE club appeared in the York Road Radio Club Bulletin by W3CQA, a NE Grad.

Charlie was contacted and bits and pieces of information from old year-books assembled and presented to FCC.

The wireless Club was the first Chapter of the Interscholastic Wireless Association of America.

Indications are, that we are the oldest licensed Amateur Station in a High School in the United States.

At the present time there are about 22 members in the club. Nine are licensed operators. Meetings are held each Thursday afternoon in room 17, the

Electric Shop. The Trustee and Sponsor, since the new school opened is W3NSI, Lyn Rowland (Pack Rat)

Operation takes place on 50 and 7 Mc with an 8298 used in the final on both bands running about 60 watts. A three element beam is used on 6 meters, where most of the operation takes place. Student members are allowed to operate during their lunch periods. It is always a pleasure to contact Pack Rats of course, and time of QSO will generally be between 1015-1330 since we have 5 lunch periods here at the school.

Special QSL cards will be made-up, and as contacts take place, these calls will be listed to receive those QSL's when they are ready.

73,
Lyn, W3NSI

OK, to all Pack Rats who are home between 1015 and 1330, give a listen on 50 Mc for W3YC.

SHORT-WAVE HEALERS

By Frederick Pillsbury

(From Sunday Bulletin Magazine, 2/11)

One day about a year ago, a missionary doctor in the little town of Puerto Cabeza, Nicaragua, sat down to his radio, beamed his antenna northwest, and called for advice on a medical problem.

Dr. Michael J. Peters, of Fairhill Road, Hilltown Township, Bucks County, a newly licensed amateur radio operator, heard him on the receiver in his bedroom. A specialist in internal medicine, Dr. Peters realized that here was somebody he could help. He tried to call back to offer his services. But he failed; his home-built transmitter was not powerful enough.

It was a frustrating experience for Dr. Peters. He and two friends, Dr. J. Harvey Sigafos, a next door neighbor and anesthesiologist, and Dr. Joseph Sieger, of New Britain, a radiologist, had stolen precious hours from their practices and recreation time to take night courses in radio at Central Bucks High School. Their idea had been to use their knowledge and the facilities of Philadelphia's great hospitals and medical schools to aid foreign outposts where lone doctors had no consultants.

Now, opportunity knocked, and Dr. Peters was unable to say "come in."

In the next few months, Dr. Peters heard the missionary doctor on the air several more times. He learned that his name was Dr. Ned Wallace, that he was the only doctor in the area, and that radio was his only contact with the outside world.

But try as he did, Dr. Peters couldn't get through to him.

Then one day last August, Dr. Peters hurt his back -- a slipped disc.

His doctor-radio ham friends knew that forced inactivity would be a bitter pill for Dr. Peters to take. They had a special consultation and one day they prescribed a little medicine themselves: An enormous, T-shaped, rotating antenna for the Peters chimney top, which they proceeded to install.

It did the trick, The transmitter immediately began to reach foreign stations and the patient was quiet. It was early in September when, still laid up, he made his first big contact.

"My barber, Richard Dean, of Telford, came in to cut my hair one day," Dr. Peters said. "He is also a ham, and of course he noticed the new antenna, 'Let's go in and see what we can do with it,' he said as soon as he came into the house.

"Well, we went into the bedroom, turned the set on, and by gum, who do you suppose we heard first thing? It was Ned Wallace, the Nicaraguan missionary doctor. And this time we reached him." It was old home week at first. It turned out that Dr. Wallace's father, also a radio ham, lived in Bethlehem. His sister, Mrs. Luther Schlenker, was the wife of a Lutheran minister, and lived in Silverdale, two miles away. Dr. Wallace's mission hospital was sponsored by the Moravian Church, which has many members in Pennsylvania.

But then Dr. Wallace said, politely, that he had two very sick patients and, though he found the conversation pleasant, he was in a hurry to get in touch with a doctor and get some medical advice.

"I told him then that I was a doctor, a specialist in internal medicine, and would be glad to help him with his problems," Dr. Peters said.

"From that time on I have been setting my receiver to a certain frequency every morning so he can call me while I am getting dressed or having breakfast. I hear from him regularly two or three times a week. Often I can help him with his problems. If I can't it's usually just a matter of minutes before I can get in touch with somebody who can, and then relay the information on to him.

For instance, one morning not long ago I heard from him at about 7 A.M.-6 A.M. his time. 'I'm sure glad you're on the air this morning,' he said. 'I've got a very sick 15-month-old baby here. His heart is going at about 300 a minute (normal would be 100 to 110). He can't talk or swallow and is having difficulty breathing.

"Well, it was a pretty rare condition --paroxysmal tachycardia, we call it-- but, luckily, I just happened to be familiar with it. I was able to prescribe a digitalis product. Six hours later I heard from Dr. Wallace again.

He said there was marked improvement in the patient. I heard from him again the next morning. The child was up and running around the ward.

"Another time a man down there had cut a tendon in his hand. Ned described it to me; then I discussed it with a surgeon. The surgeon drew a picture of how the operation should be performed, and I described the procedure over the radio from the drawing."

Dr. Wallace is not Dr. Peter's only far flung radio correspondent, although he certainly is the most regular. He has been talking to doctors and laymen in Panama, the West Indies, Italy, Brazil, Chile, Peru and other points. He has discussed everything with them from fallout in milk to the effect of hoof-and-mouth disease on humans, and in all of the four languages he speaks-- English, Italian, Spanish and French.

Dr. Peters gets no fees from his radio practice, nor does he want any. The satisfaction he gets from helping is enough. (Editor's note; Wonder how he feels about the FCC proposal to charge a \$5.00 fee for licenses?) He hopes he can eventually set up a regular medical ham network so that he and other doctors can help missionary doctors around the world.

Being a woman, after reading the preceding, I became curious and called Dr. Peters on the landline for more information, mainly regarding the calls.

WN4WD is the call of Dr. Wallace in Nicaragua.

K3KXI is the call of Dr. Sigafos.
K3KXM is the call of Dr. Sieger.

W3SVL is the call of Richard Dean, well known on six meters

When Dr. Peters told me that his call is K3KLL, I told him that W3KLL is a member of our club. He told me that he had worked Walt on six meters.

His six meter frequency is 50.16. I told him about our net at 9:00 P.M. on 50.2 and suggested that he call in some Monday and he said he would if he was at home at the time.

Ya know sumpin, I goofed. I forgot to ask him if he was rock-bound or had a VFO. I suppose it wouldn't hurt if Frankie tuned down to Doc's frequency, while Harry is logging, to see if he is in there.

Just a little follow-up on the story in the last issue about the baby in Hawaii. Read in the paper the other day that she died following the operation by Dr. Sterling in the Einstein Medical Center, Northern Division.

Her little heart just couldn't take it.

The operation was a success though.

COMMENTS ON SIX & TWO

By SMEL A. RHAT

Every now and then a project is advanced which can be said to be to the best interest of every amateur be he ARRL member or not. I am referring to the ARRL's effort now being made to move to bigger and better quarters.

The ARRL has outgrown its present building and must move. When the question of moving was first proposed, many amateurs expressed a desire to contribute to some sort of a building fund, because they felt that they wanted to be a part of such an effort. In order to accommodate amateurs and groups interested in the task, ARRL has proposed in its March, 1962 Editorial that possibly a building fund could be established. If you haven't read the editorial, then by all means do so.

The ARRL has given a tremendous service over the years in behalf of the amateurs, and we who hold licenses and are members, even those who aren't, should be proud of the part that the League has played in representing us in the past. The League has performed a great service in bringing Amateur Radio to the position that it enjoys today in this country.

You and I, needless to say, owe the ARRL a great deal, and to me at least, it would seem fitting and proper that the League Headquarters should be a showplace and a monument to Amateur Radio as well as a functional location.

I would consider it a privilege to be able to contribute to an ARRL building fund. I would prefer to contribute through a club effort, say about \$5.00, because the ARRL has always supported club activities and it would be fitting for clubs to reciprocate.

Let's get busy and see what we can do for the League for a change.

As ever,
Smel

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

Dear Smel:

I agree 100% with your proposal of each club contributing \$5.00, but I would go just a little farther. Aside from the club contribution, I would suggest that individual members contribute \$.50 or \$1.00. Remember, some club treasury's cannot afford \$5.00, because of the age and number of members, but nearly every amateur can afford at least \$.50.

The League could, if it wanted to, assess each club \$5.00 and each individual member \$1.00. As you say, the amateurs themselves suggested the building fund and the ARRL will do what it can to establish such a fund.

What gets me, are these "coat-tailers"

who take advantage of each and every privilege that the League gets for them, and then will not have the courtesy to thank them by becoming a member. They are the first ones to open their mouths and complain when certain privileges are taken away from them.

They remind me of the voter who does not like the way the elected officials run the government, but won't go out and vote because they figure, "My one little vote won't count." They also remind me of the worker who is very pleased and happy with the sick leave pay, assured vacation, hospitalization plans and regular raises gotten by the Union, but won't become a member. What he doesn't realize is that if the Union votes for a strike, he is also required to strike. His one vote, counted in with the other dissenting votes, may have prevented the strike.

So I say, If you are not a member of the ARRL, why not join and have a voice in protecting what you have and perhaps getting more?

88,
"Mother Rat"

K.U.I.

By Ed Kushaer, W3HKZ

(Ed: The reason your first part is not printed is that I had it in the February issue.)

The noise figure of a transistor converter may be expressed in terms of the usual transistor and circuit parameters (source resistance, base resistance, emitter-base(?) diode impedance, current gain, cut off frequency and conversion conductance). theoretical values are in good agreement with measured values.

The converter noise figure is always higher than the corresponding amplifier noise figure, but may approach the amplifier noise figure at high source impedance. The common-emitter converter (signal into base) is superior to the common-base converter (signal into emitter) except at very low source impedance.

The principle difference between amplifier and converter noise figure comes from thermal noise generated in the base resistance, which is converted from many frequencies in addition to the signal frequency.

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

The FCC gave the police a violation "ticket". A field engineer, during an inspection, found that the police department was using radar without a license. The authorities were embarrassed, but rather than interrupt their campaign against speeders, they were permitted to operate pending a grant of a telegraph request for temporary authorization until a regular application could be made.

A transmitter powered by microbes has been developed. It utilizes energy generated from microbiological processes and has developed sufficient power to transmit over 15 miles. It is .75 inch in diameter and less than 7 inches high. This use is more efficient than hydro electric and nuclear power. Any waste organic materials, such as sewage, sawdust, roots, crushed leaves, wheat and sugar will power the biocell. Save that garbage! (Ed. note: How cheap can you get? Think of the space saved.)

May 22 is the target date for the launch of the communications satellite.

The satellite costs 1/2 million and it will take 3 million dollars to launch it; ATT will pay for it. The chief function will be to carry out communications experiments with Bell's station at Andover, Maine. It will receive 6390 Mc signals from a 2 Kw transmitter and re-transmit back to the ground at a power of 2 1/4 watts at 4170 Mc.

It will have a band width of 50 Mc and a beacon signal on 4080 Mc at .02 watts. In addition, it will have a transmitter of about 1/4 watt at 136 Mc so NASA's minitrack stations can track it. The 136 Mc signal will transmit telemetered data by pulse-code modulated FM signals amplitude modulating the carrier. Controlling the repeating equipment to conserve power will be a 120 Mc receiver to turn the transmitter on. Unit will permit 60 2-way conversations or one TV signal and 12 multiplexed, audio. Signals will be both received and transmitted in Maine using a 300 ton antenna, with a synthetic mass amplifier at the apex of the antenna cone. Gain of unit is 36 DB. A receiver at Holmdel, New Jersey is being set up also.

The satellite is spherical, but with 72 flattened faces, or facets and measures 34.5 inches in diameter. Its magnesium framework has an interior structure of 12 ribs. 2 antennas form an equator about the unit and will transmit equal efficiency in all directions excepts the sphere's poles. These are for receiving and transmitting the communications.

Atop the unit will be another antenna, this will handle the beacon and telemetry transmission as well as the command signals. The exterior will be largely covered by 3600 silicon solar cells mounted on a ceramic base in a platinum frame and protected from particle bombardment by a covering of clear, man-made sapphire. Inside, all the gear is inside a 20 inch aluminum cannister suspended by nylon cord lacings to absorb shock and vibration. All electronics will be encapsulated in foam and entire ball then foamed into one mass to 4 pounds per cubic foot.

The cannister will be gold plated aluminum, hermetically sealed, partially evacuated and filled with gas to a pressure somewhat below atmospheric. There will be 19 rechargable nickel-cadmium cells at 30 volts, the equipment draws 30 watts. The solar cells develop 15 watts in sunshine. The satellite carries some 10,000 components including 1064 transistors, 1464 diodes, 28 resistors, 1150 capacitors, 340 inductors, 70 transformers, 10 relays and 5 crystals.

Unit is tested for balance, vibration, magnetic drag and electrical transmission in a chamber under high vacuum and is cooled to -300 F while arc lamps stream thru a lens system to heat the spinning satellite and illuminate its solar cells.

Its expected orbit will be an ellipse with perigee of 500 miles and an apogee of 3000 miles and a 156 minute orbit. They expect 50 minutes of communication during the first few weeks of orbiting.

73,
Ed.

(Editor's note: As I was typing the preceding, NBC-TV (Channel 3 in Phila area, had a program on, "Project 62", all about the satellite to be launched. Of course they did not go into such details. The only thing mentioned on the program, omitted in the above, is that the size is 100' in height and 100' in width. (7:30 to 8:00 P.M., E.S.T., Monday.)

THE INVASION OF BOWMAN'S TOWER

By K3JJZ, Elliott Weisman

(Information from K3EOD, Al Boblitt)

(He'll be sorry)

This episode must start on the Friday before the VHF Contest in January.

Al; K3EOD, came aknockin' on the door of this QTH. As I opened the door and gazed at Al (all 275 lbs of him) I heard a mouse-type squeak exclaim, "El, you've got to help me, I can't talk." I stared in amazement at 275 lbs of rat with a little bitty mouse-type voice.

After listening to some free medical advice, the big rat, with the little voice left.

At this point some information of previous occurrences is required. Al and Stan, K3IPM, had set out to find a portable location from which to operate during the contest. They located last year's portable site, and unfortunately the vacant house they used last year, was no longer vacant. After a short conversation with the new owners, concerning the legality of "Squatters rights", our boys left to find a new site.

They chanced upon Bowman's Tower, and promptly went to find the party in command. The Park Guards and other officers were most co-operative. Our boys offered to pay for the A.C. used. Their offer was refused since such an arrangement would require forms filled out in triplicate, and all the available carbon paper was to be used in the log book. (All two sheets of it and used at that.) The guards even offered a CB rig, which the Rats took, tongue in cheek. The purpose of the C.B. Rig was to keep in touch with the guard house.

Friday, both boys played hooky and were set-up. Now, Stan drives a car about the size of mine, but this shouldn't have presented any problem since Al has a full sized car. (it figures)

The only catch is, that Al's full sized car doesn't run, so the final method of transport was to be a rented truck, but Al forgot to notify the agency when they would pick up the truck. They wasted a few hours waiting for a truck. The gear was loaded and driven to Bowman's Tower.

At this point I must mention that the tower is 110' above ground. I don't know how many steps this amounts to, but I'm sure, either Al or Stan could very easily tell you. The first object to be set up was the tent. There was a big problem here, since very few tents are made to be set up inside a tower with a concrete floor. They just don't make them tent pegs too hot. The sides of the tower were wood and a few nails (a few was all that they had) took care of the tent problem, with an able assist from a length of clothes line stolen from the owners of last year's portable site.

One of our boys was having a little problem of stringing lights. He conceived the idea that the lights could be held in place with a few safety pins, strategically placed. The only trouble was that nobody brought safety pins. C.B. rig saved the day. Al asked the Park Guard if he had any safety pins. "What's the matter? Did you rip your pants?", squawked the C.B. rig. Rather than argue Al told them that he had. Knowing Al, you can see why the guard believed him.

Anyhow the rotator and antennas were installed and the rest of the gear was removed from the truck. It took 18 trips up and down the tower stairs to get all the gear top-side.

Our boys relaxed (collapsed) before 10 hour. W3SAD was the first contact, mouse voice had trouble breaking thru the QRM.

At 2100 it started to rain. Now if you have been to Bowman's Tower you know that the windows don't fit too hot. There was a certain amount of seepage into the tent and since the snake-pit of wires on the floor rep-

resented a safety hazard, our boys prayed. Neither of them were electrocuted.

And now it was coffee time. Stan put the water on to heat and when it was boiling asked Al to get the coffee. At this point a full pot of boiling water went to waste because somebody forgot to bring the coffee.

1400 7, January they decided to break camp. Now I said before that it took 18 trips to bring the gear up. Our boys only made one trip down. They threw all the gear out of the leaky tower window. Picture, if you will, Stan looking up to the 110' level and trying to catch a falling NC-300.

Our boys arrived at their respective QTH's and unloaded. Al decided to operate from the home QTH but I guess Stan didn't do a good job of catching the NC-300 because it didn't work. It seems funny that Stan was able to work from the home QTH. It's easy to see which gear he made sure he caught.

The end of the whole fiasco was that the logs were disqualified since both boys tried to count their QSO with the Park Guard on the C.B. rig.

(Just kidding about the end.)

73,
E1, K3JJZ

NOTICE

CD BULLETIN, (NO. 62) APRIL 1962

ARRL HEADQUARTERS, WEST HARTFORD, CONN

FCC PROPOSES \$5 FEE FOR AMATEURS:

As we button up this bulletin, FCC has just set for proposed rule making the matter of charging fees for filing for licenses. Amateurs (and your ARRL) have until April 16 to file comments. Our applications to FCC for license would require a \$5 fee, whether for new license, station or operator, renewal, modification or duplicate.

It would take, for example, one application for Novice Class, another \$5 to ask for Technician, a third for General or Conditional, again when you move, Etc. This certainly would work great hardship on younger members. It would make every one of us pay for the privilege of self-training ourselves in the electronics field, even for the privilege of giving of ourselves for Public Service... for an extra RACES authorization another \$5. Hardly seems fair does it?

In '54 when a license fee was talked of, ARRL opposed the whole principle. The Board said if a fee had to be charged all licensees, that a nominal dollar would be more fair; text of ARRL's filing was in May '54 QST. The matter of fees was dropped. April '62 QST has full details on the new proposal and scale of fees. Voted by only a 4:3 approval by FCC itself,

there's bound to be opposition. ARRL's Board and Executive Committee (in late March after this bulletin is mailed) will again take a position. With the concern already expressed by amateurs it isn't hard to predict what the position will be. Give your Director your views, if you haven't. Look for full information on anything that can be released by WIAW bulletins, (in early April) as well as in QST.

Sincerely yours,
F.E. Handy, W180I
Communications Manager

NEW PRODUCTS OF INTEREST TO HAMS

By Lyn Rowland, W3NSI

1. 7983 Fast Warm-up twin tetrode tube. This unit incorporates a new directly heated ribbon cathode. Designed for mobile use, it will provide about 15 watts output at 200 mc. According to Amperex it is comparable to the 6360.
Price -- about \$4.00
2. 1CP31 1" scope tube, automatic focus, 8 pin octal base. May be used in place of American type 901 etc. Price - \$9.00, less than half the cost of American types. Usefull in small built-in scope units for modulation adjustments. Anode Volts 350-1000, Fil-6:3
May be obtained from:
Electronic Tubes Ltd.
Kingsmead Works,
High Wycombe, Bucks, England
3. Tube type 7984 - General Electric. Equal, or better, compactron version of 6146. Much improved VHF performance. It is rated at 46 watts out on two meters compared to the 6146 (35 watts). Tube stands about 2½" high and is single ended. Much shorter leads (as much as ½" shorter) result in more stable operation. Change in lead length was made possible by the elimination of the phenolic base. Fil. - 13.5 v .58 A. Plate dissipation is 35 W (6146 - 25 watts)
Price about \$6.00
Available after Aug. 1, 1962

QRX SIX METERS

By Jule Bernoff, K3MSV

Hi brother Rats!! You are probably wondering about the above title and at what the sum and substance of this column will be and we don't blame you. So, before you give it up and quickly turn to the swap shop section, give me a QRX minute to explain.

Seems as though good old (or should I say young) Mother Rat put out a CQ for writers and articles for this noteworthy publication of hers and got about as much reponse as the guys calling CQ DX with a Heathkit "Sixer"

with an indoor three foot hunk of wire for an antenna!! Consequently, our fine Prez went on a recruiting binge for writers. Now, we are still trying to find out how he discovered that we once wrote a column for the High School Newspaper and as a result figured that we would just naturally accept this assignment!!

Believe you me though...he and the rest of you guys that take time to read this are sure to wonder why all of this valuable space is being taken by this bit of non-technical and certainly non-informative scuttlebut!! Gee wiz...the space could've been used for a good schematic on how to convert your Heath Sixer to a 1 KW, or 55B with a "Sixer" or something...anything but this.

He asked us to write about what we heard on Six Meters and how the band has been and all that kind of nonsense. Frankly we don't hear much of anything on Six...all of the old gang have deserted the band for the intercom net and they're all wound up with antenna inovations and keep discussing the pros and cons of this, that or the other tube and how well it performs on 220 mcs. You might disagree, but we feel that they are way off base since the club is known as the VHF Club and they are operating in a UHF portion of the spectrum. (Editor's note: I, too, was inclined to believe that 220 is UHF, but I was politely informed that it is VHF. 420 and up is UHF.) They might just as well be on 20 or 40 mtrs. HI HI!

At any rate, to get back to the title of the column...we are sincerely asking for help and wish that you guys would give us a call and fill us in on any information that you have on good old SIX METERS. Please let us know of your unusual contacts, band conditions as you see them, and just anything else that you think would be of interest to the gang. We will certainly give you credit and put your name in print. (Who wants their name in print??)

We will put an end to your agony now by simply reporting that for the month of March (first three weeks) band conditions seem to have been stinko...noise level high...not too much activity...NO, and I mean NO, band openings of any significance...and very little extended ground wave activity...Don't forget, when you hear us on...give us a shout and let us know what the heck we can print in this column.

73 for now.

TWO METER BAND ACTIVITY

By "TWEAKER RAT", W3LHF, Dave Zimmerman

At the February club meeting I was asked by our Pres to render a few words monthly concerning the happen-

ings on our dear old Two-Meter band. Unfortunately, as many of you are well aware, the conditions on my favorite band sink to a pretty low level during the period after the "great blast" in January. Some nights even a local contact is hard to come by.

All is not black however. A little extended ground wave was heard on two successive Sunday evenings after the contest. Charlie, W3IBH, was heard in round table with two W1's, and several Long Island stations were worked here with signals, on this end, of about 30 db over noise. Reports have been received that one's and four's were coming through on 10th and 11th of March in the early evening just before the cold wave came through. It is to be expected that with the coming of warmer weather, many more openings will occur. A little more regularity will help the local boys take advantage of any good openings.

Many verbal complaints have been heard recently concerning the dirth of W3's being heard in the New York area. Let's see if we can correct this situations, fellows!

Look for an upswing in Single Side-Band stations on the band in the next few months. Reports have been received that a number of regular North Jersey side-banders are feverishly building high level mixers for two meters. Even though we can work North Jersey anytime without sideband, they are bound to stir up activity in other sections. Anyone with a low freq sideband exciter who is interested in details might check late issues of QST for details on High level mixers. This single sideband is great stuff, almost on a par with CW. Two Long Island stations were worked here on sideband who were unreadable until they shifted. W1MEH was heard here on a dead band one night about the end of February.

Reports on unusual band happenings will be appreciated here, for in spite of nightly operation, I still miss a lot of stuff.

73,
"Tweeker Rat"

"SWAP AND SHOPPE"

Conducted by, W3ZRR, Ray Whitehead,
4534 N. Smedley St.,
Phila., 40, Pa.
215- DA. 4-5910

FOR SALE: GONSET III & GONSET II
for 6 meters.
6 meter Halo Saturn
VFO for Gonset.
6 meter beam

(No price? I presume it's
best offer.)

CONTACT: Mr. James Jerome
1910 E. Tremont St.,
Allentown, Pa.
215-He. 2-0347

FOR SALE: HQ-100 Revr. \$130.00
Johnson Viking Adventurer
WRL Screen Mod, with a
BC-455 thrown in (with tubes)
All for \$40.00
Converters on 6 and 2. Xtal
controlled; 6 m output
7-11 Mc, 2 m output, 6-10Mc
Includes I.F. Amp. and
power supply. \$25.00
Heavy duty, high voltage
power supply, also supplies
6.3 V. A.C. at 10 amps.,
includes 2 55V.A.C relays
and numerous power resistors
\$35.00

2M XMTR (829-80 with VFO
and modulator, and two
meters, mounted on a 8 1/2" x
19" rack panel. \$50.00
6M XMTR, with VFO and send-
receive relays on 8 1/2" x 19"
rack panel. \$40.00
RELAY RACK takes three 8 1/2"
x 19" panels, 14" deep.
Has back door and door on
top. \$10.00
Heath SWR Bridge and sur-
plus thermocouple output
meter \$10.00
Antenna Rotor (Tenna-Rotor)
\$15.00

JUNK BOX; includes a box
of brand new capacitors and
at least \$4.00 worth of
sheet aluminum (plus all
the stuff I grabbed at the
Pack Rat meetings) \$7.00
TELREX 3 element 6M beam.
\$8.00

Transmitters, powersupply,
rack and converters go
together into a handsome
unit. If possible would
like to sell as one piece.

CONTACT: K3CHF, Leo Rotenberg
Box 5010
Baker House, M.I.T.
362 Memorial Drive,
Cambridge, 39, Mass.
(Selling out due to college
commitments; no time to
use.)

WANTED: POWER SUPPLY or components
5 to 600 Volts D.C. at 250
Ma.

CONTACT: K3EMR, Gus Felix
32 Township Line,
Elkins Park, 17, Pa.
215- PI. 5-3525

(Note: The preceding items were for
last issue, but due to the fault of
no one, but because Ray was in the
hospital for a brain operation, we
did not get them until he returned
home. Items for the column may once
again be sent to Ray.)

FOR SALE: R.M.E. Speech Clipper
\$6.00
Vibrator Supply- Heavy
Duty, can be used mobile
300V-335 Mils. \$8.00
KNIGHT Crystal Calibrator
100 KC \$8.00

TELEMETER TRANSMITTER, type
now being converted for 220.

\$14.00

CONTACT: K3HSS, Charles Lustick
5924 Hasbrook Ave.,
Phila., 20, Pa.
215- FI. 2-4398

FOR SALE: HEATH- Cheyenne Xmtr. \$100.00
Multi-Elmac-PMR-7 Rec \$100.00
HEATH HP-10-power supply

\$45.00

All three for \$200.00

CONTACT: W3HGZ, Ted Vawter
4032 Woodruff Road,
Lafayette Hills, Pa.
215- TA. 8-3530

FOR SALE: 1 GRAFLEX ENLARGER 4x5 "Graf-
larger". Latest type, using
cold lite unit. Good as new.

\$25.00

1 FEDERAL ENLARGER, brand
new. Improved with 4x5
lens. \$40.00
Completely Automatic 35 mm
slide projector. Sawyer
500 R. Reasonable.

CONTACT: Morris Wishkin
215- TR. 8-7579

FOR SALE: GONSET G-50 Excellent con-
dition. \$225.00

CONTACT: WA2NOV, Al
347 Elm St.,
Mapleshade, N.J.

FOR SALE: Mobile; INTERNATIONAL 6 me-
ter XTL Converter. I.F.
7-11 MC with overtone-XTL.
Factory wired and tested.
\$9.00

CONTACT: K3GOZ, Herman Klein
2600 Welsh Road, Apt. #39
Phila., 15, Pa.
215- HO. 4-6555

HOSPITAL REPORT

We are happy to report that all of our
inmates are now at home and improving.
They are; XYL of K3IUV, Harriet
XYL of K3EPB, Emily
Mother of K3EOD, Al
W3ZRR, Ray.

Drop them a card of cheer, or give a
call on the landline. Don't say it's
impossible, because you now have the
new membership list.

TECHNICIANS ON 10

March 1, 1962

To: All Radio Amateurs concerned in
furthering privileges allowed to
the Technician Class operator.

From: Bob Miguel, WA6RAX - Clyde Welch
WA6BZA

Please write to American Radio
Relay League, West Hartford,
Connecticut requesting 29.0 -
29.8 megacycles segment of the
ten meter band for technician
class licensed operators.

LEAGUE TO CONSIDER "TECHNICIANS ON
TEN" AT MAY MEETING

Mr. John Huntoon, Secretary of the
American Radio Relay League, has just
advised this writer that the League
Board will examine the advisability
of supporting a proposal to allow
Technicians to operate on a portion
(29.0 - 27.7 MC) of the ten meter
band at its forthcoming meeting in
May.

Such being the case, this writer hereby
urges all Technicians who are interes-
ted in operating on ten meters to
write Mr. Huntoon immediately and ask
him to support this proposal at the
May Board meeting.

Do it today! THANK YOU!

Clyde Welch, WA6BZA
for.. "TECHNICIANS ON TEN"

P.S. Please get five of your friends
to write, and ask each of them to
have five of his friends contact ARRL.

"THE TECHNICIAN"

"interested in the technical and ex-
perimental aspects of radio"

Well, you technician members and
readers, remember my mentioning THE
TECHNICIAN last month, along with a
biography of the Editor, Armond Noble,
K7MFA? Have any of you subscribed?

Believe me, boys, each issue gets more
informative and better than the last.

This is a magazine strictly for and by
Technicians. I offered my copy for
you to read, but so far, have had no
takers. I might also mention that
VHF is the main interest shown.

Subscription rates are; \$1.00 for 6
months and \$2.00 a year. If you care
to read it before subscribing, copies
of NO. 1 and 2 may be had for \$.25
each. Write to: "THE TECHNICIAN"

Box 465,
Billings Montana

I reccommend it highly for all Tech's.

Here is what W1HDQ, Ed Tilton, VHF
Editor of QST says about it.

...THE TECHNICIAN, No. 2, looks very
nice....I constantly make the point
that it is what a ham DOES with his
license, not the class of ticket it-
self, that counts...Best of luck in
your efforts to provide a forum for
the Technician...

Ye Editor, being a woman, just could
not let this letter go unanswered.

From "SOLID COPY" Kansas City VHF
Club.

OUR CORNER

(YL, XYL, YF or Wife?)...

This isn't intended to be a space-
filler. Several "Solid Copies" ago
contained an article by a person con-
cerned with the manner in which phone

operators loosely use the "Q" Code. It may be a petty issue, but there really isn't a wife in the club who is an X-YL, is there? I, for one, throw up a psychological block at being called an X-young lady. (Being called a wife may have the same effect, but at least it's more correct.) Should you be a female-type operator minus an OM, you are hereby blessed to be called YL, no matter your age.

(We will print a "complimentary" article from an OM, if there be any with a like psychological block.)

Selah - so be it.

Betty, WØAJV

Dear Betty:

The "X" in XYL does not mean that you are a has-been or an old lady, it means; "Hands off, she's my young lady."

I proudly wear two pins on my coat collar. One reads, "XYL-W3SAO" the other, "Mother Rat-Helen". The second pin I wear proudly because I have 95 sons, and you couldn't find better anywhere. My 95 sons are the "Pack Rats", an all male radio club.

Shame on you, a ham, for saying that "a female-type operator minus an OM, is blessed to be called a YL." Female operators, regardless of marital status are called YL.

A male-type operator, be he 6 or 106, is called an OM.

I know that letter was written just to get comments, but were you expecting a reply from a "Female-type" non-operator and an XYL.

88,
"Mother Rat"

OFFICIAL BULLETIN NR 837 FROM ARRL HDQ.
MARCH 2, 1962

TO ALL RADIO AMATEURS BT
FCC has denied the League petition for an end to the dual identification requirement for amateurs using radio-teletype. Dual signing is necessary, the FCC says, since amateurs are not assigned specific frequencies and mutual interference between adjacent amateur signals makes positive identification of RTTY stations difficult for its monitors. Further, mobile monitoring vehicles are not equipped for RTTY. Full text of the decision will be in April QST.

AR

OFFICIAL BULLETIN NR 840 FROM ARRL HDQ.
MARCH 23, 1962

TO ALL RADIO AMATEURS BT

The U.S. Government has been advised that Thailand, prefix HS, has never withdrawn its objection to international communications by its amateurs.

Therefore, Thailand has been put back on the banned list published by FCC of countries objecting to communications between their amateurs and those of other countries. In addition to Thailand, the banned list includes Cambodia, Indonesia and Viet Nam. Accordingly, U.S. amateurs are prohibited from working stations with the prefixes HS, FIB, PK, XU, XV, YB through YH and 3W.

AR

COMING EVENTS

- APRIL 13 PACK RATS' VISIT TO READING RADIO CLUB.
- 26 (note change in date) SPEAKER; ED KUSHNER, W3HKZ TOPIC: "AMATEUR TV"
- MAY 5 "LADIES NITE", SOUTHWARK AC.
- 16 SPEAKER: ED TILTON, W1HDQ V.H.F. EDITOR, QST TOPIC: (to be announced) Nomination of Officers
- JUNE 9&10 V.H.F. QSO PARTY CO-ORDINATOR, W3SAO
- 17 E. PA. SECTION PICNIC HERSHEY PARK, HERSHEY, PA. ALL INVITED \$100 per call.
- 20 SPEAKER TO BE ANNOUNCED ELECTION OF OFFICERS
- 23&24 ARRL FIELD DAY
- JULY 18 OUTDOOR MEETING at the QTH of W3LHF, DAVE ZIMMERMAN JOHNSVILLE, PA.
- AUGUST 12 PACK RATS FAMILY DAY & PICNIC FORT WASHINGTON STATE PARK, FLOURTOWN, PA. \$1.00 per FAMILY. (Rain date, Aug. 19)
- 15 OUTDOOR MEETING at the QTH of W3KKN, ERNIE KENAS WILLOW GROVE, PA.

FLASH
MORE ON PROPOSED FEE

The ARRL wishes to bring to the attention of all amateurs that the proposed \$5.00 fee will have to be paid each, and very time that you go to FCC for an examination for a license.

EXAMPLE: Should you be unfortunate and have to take the exam 10 times before passing, you will have to pay \$50.00 for your license,

The ARRL advises that when sending your comments to the FCC you send 14 copies.

ADDRESS YOUR LETTERS TO:

BEN F. WAPLE
ACTING SECRETARY, FCC.
WASHINGTON, D.C.

WHAT HAPPENS

Almo Radio Company has a new man in charge of their Ham Department, W3GJF, John Llopes, formerly with A.G. Radio Parts Company, Elkins Park Store. Stop in at see him at 913 Arch Street. John has started something new at Almo, a monthly paper titled: THE ALMO QSO, In The Interests Of Amateur Radio. Aside from carrying Almo's ads it also contains news of hams, radio clubs and articles of interest to hams. The subscription is FREE, and anyone wishing to receive it can make application at any branch store. John tells me that if any club has any news, of important events, and wish wider publicity, just let him know.

Almo has branch stores throughout Phila. and one in Norristown, Pa.; one in Atlantic City, Camden, Trenton and Vineland, New Jersey; one in Salisbury, Maryland and one in Wilmington, Delaware.

I can tell you that the April issue will contain an article about the Pack Rats. If you want to know what it is, get your copy at any store.

This move of John's does not leave the Elkins Park Store of A.G. Radio Parts Company without a ham in charge. W3BHR, Steve Operndek, well known to the hams, has moved up into the position of manager. Stop in and see Steve. Same courtesy rendered.

We have a report from Bill Binns, K3CXO, that the W.E.N.S. new meeting place is located at 4607 Richmond St., Bridesburg area of Phila. They meet on the 2nd Wednesday of each month at 8:30 P.M.

A note to Jerry, K3BHK: The reason you have not received "Cheese Bits" for three months is that you gave me your address as Somerton, 16, Pa., instead of Phila., 16, Pa. Somerton is in Phila. County, remember?

Harriet, the XYL of Bert, K3IUU, wishes to thank all who sent her cards while in the hospital.

LOST: ONE PACK RAT: K3EKK, Lou has moved and didn't give me his address. No one else knows it either. Because of the importance of the proposed \$5 fee, I will have to mail him this copy first class mail, and request the Post Office to forward it, that is, if he left his new address with them.

PLEASE!!! If you are moving let me know your new address so that you may continue to receive "Cheese Bits". The Post Office no longer returns undeliverable third class mail. It was only returned as a courtesy before.

REMEMBER: ONE DOLLAR of your DUES pays for your subscription, and unless you call in on the nets, "Cheese Bits" is your only announcement of meetings, and special events, that you will receive. PLEASE!! Check and double check the new membership list for any errors and let me know if I made a mistake.

BY THE WAY: Are YOUR DUES PAID? In order to be eligible to run for office, or to vote they must be paid. If you haven't paid yours yet, DO IT NOW!

Understand that the sister of Sid, W3GEW, is in the Einstein Medical Center, Northern Division. Here's wishing her a speedy recovery.

W3AYG, John, is now on 220 using a 6 meter beam. Will soon have his 220 beam up.

WA2EHM, Bob, a former Pack Rat, is now back on the air. Welcome back, Bob.

WA4DGM/3, Fred, called in on the 6 meter net on the 12th to let us know he is back in the Phila. area for a while. Welcome back, Fred.

Emily, XYL of Howard, K3EPB, suffered a very serious heart attack after shoveling snow during the storm of March 6. She was in the Doylestown Hospital and was expected home on the 31st. Since this is only the 28th, we can't say for sure if she is home. She must take it very easy for three months. Drop her a card at home.

Ray, W3ZRR, returned to work on the 16th. He received over 100 cards, and wishes to thank everyone.

Frankie and I attended a meeting of the E. Pa. Section at the QTH of the SCM, W3ZRQ, Al Breiner on Sunday the 25th. We would like to take this opportunity to thank our host and hostess, Al and Ev for a wonderful time. We hope that Ev is now over her attack of virus.

Dolores, XYL of Myles, W3ZTL, was in the Hospital for a week. Welcome home and a speedy recovery.

The brother of Mike, K2QOS, passed away on March 12. Our sincere sympathy to Mike.

Two celebrations at the QTH of Ernie, W3KKN. Harmonic Joanne named May Queen at school. Harmonic Ruth Ann capped for 1 year volunteer service at Abington Hospital. Congratulations.

QRZ FOR AN ANNOUNCEMENT JUST

RECEIVED IN THE MAIL

(Too late for "COMING EVENTS")

MAY 12 NORTH PENN AMATEUR RADIO CLUB
PRESENTS ITS 9th ANNUAL BAN-
QUET.
THEME: YEAR OF OSCAR BANQUET
SOUDERTON FIRE HALL, SOUDERTON,
PA. 7:00 P.M.

TICKETS: \$3.50 Must be pur-
chased before May 4. None
sold at the door.

CONTACT: DAVE ZOLLERS, K3HLN,
215 - BR 5-8522 or HERB SCHWABB,
W3BPM, 584-4546

Now back to "WHAT HAPPENS"

"THE BLURB", Phil-Mont Mobile Radio
Club will have a new editor. He is;
Bob Schmilewski, K3KUD
528 Melody Lane,
Glenside, Pa.

Welcome to "Printers Ink" Bob, and
congratulations to Charlie, W3ZPP,
for a job well done.

Who would take over the editorship of
"Cheese Bits" should I decide to quit?
Hold it, boys, them thar wegitobles are
a wee bit too ripe, they splatter and
make a terrible mess.

Congratulations on the first birthday
to the Harmonics of Gloria and Don,
K3EAY, and Vickie and Harvey, K3BGT.
Hope the next one, expected this April,
is a healthy one, Vickie and Harvey.

It seems that George, K3ALK, has one
of his antennas fastened in a hollow
tree back of his house. Monday, the
25th, someone built a fire in it. He
and Al, K3LBT, had to grab the exting-
usher and put it out.

I finally got Frankie back on the Nit-
wit Net, Monday the 25th, much to the
joy of the rest of the Nitwits. He
did announce that it will start at
10:15 P.M. from now on, so he can make
the announcements on 220.

Just remembered why "Gassy", K3GAS,
wasn't on Monday. He is busy with
registration for the Dentist's Con-
vention in Phila.

THE STORM OF MARCH 5 & 6

Walt, W3CLQ, was without power for 6
hours.

Jerry, K3BHK, his mast held up until
the final blow.

"Grandpop" Bill, K3HWZ, had a 50'
tower, 40' bent over.

Earl, K3HJA, had a 5 element, 6 meter
beam. Wound up with a 3 element.

Doc, K3GAS, had a 5 element 6 meter
beam. Wound up with a 4½ element.

Ernie, W3KKN, had a beautiful all
band beam. Reflectors all got bent.
One half of his two meter beam landed
in Welsh Road. He has, as far as we
know, the only 220 beam with two ro-
tators. One at the top and one at the
bottom.

Joe, W2EIF, lost his 220 beam. Has
since been replaced. His home in
Avalon, New Jersey was spared. The
front and back porch were loosened.
His bottled gas tanks were torn loose
and washed away. The water came into
the house and stopped just below the
mattresses.

Understand that the parents of Lee,
W2KFC, lost two automobiles under
water and had a fire in the house in
Avalon, New Jersey.

Frankie, W3SAD, is now tracking Satel-
lites with his two and six meter
beams. The mast, which is steel, ¼"
wall, just got tired and laid over
at a 45° angle. After all, it did
take Hazel and Donna, plus the storm
in March of 1958. Funny thing is,
everyone says he now has a stronger
signal. He can't even rotate them
because of pressure on the rotator.
He lost half of the elements on his
six meter beam in the storm of 1958
and worked Florida with it. It has
been too windy since the storm to
get up on the roof and take it down.
Besides, he is testing his 220 beam,
which at present, is on a rotator
fastened to a clothes pole in the
back driveway. If the wind will stop
picking-up on Saturdays, he will
put a new mast up with all three
beams on it. Don't worry about our
roof ripping off, as our neighbors
do. The 20' tower is hinged to a
wooden "H" frame just resting on the
roof, and the guy-wires go over the
edge of the roof and are fastened
into the brick walls of the house.
Our roof won't go off, the whole darn
house will collapse! I forgot to tell
you that the mast extends 10' above
the tower. From the ground to the
roof is 30', the tower is 20', the
mast is 10', so his beams are 60'
above the ground level, not counting
the above sea level location. Keep
posted for an antenna changing date.
Please, don't step over the side of
the roof. That is a 30' drop to con-
crete. That makes an awful mess to
clean-up.

HIGHLITES DIRECTORS'
MEETING, MARCH 14

W2AXU, Jack, and a group went to
visit the Reading Radio Club on the
9th, only to find that it was post-
poned until the 16th. Another trip
will be made on April 13th. Anyone
wishing to go along is invited.

Harry, W3CL, reported on the "Big-Wheel" antenna for 220, manufactured by Cush-Craft. (Bert, K3IUV, is now testing it.)

The enclosed membership booklet was presented for approval, and as you can see, was accepted.

K3LBT, Al, reported that a special meeting of the Delaware Valley Council of Amateur Radio Clubs was called for Thursday, March 22, to discuss the \$5.00 fee proposed by the FCC.

HIGHLIGHTS OF GENERAL MEETING, MARCH 21.

Meeting called to order by the President, W2AXU, Jack.

The minutes of the last meeting were approved as read.

BIRTHDAYS FOR MARCH: John Allen, W3CXU and Al, K3LBT. Congratulations

Membership: Harry, W3CL, reported that two applications are under consideration.

Program: Bert, K3IUV, announced that Ed Kushner, W3HKZ, will be the speaker at the April meeting.

Picnic: W3SAO reported that Dave, W3LHF, will handle the Children's games; Bob, W3GXB, will handle the two meter rig at the park, and Earl, K3HJA, will take care of calling the prize numbers.

Joe, W2EIF, reported that the first issue of the Call Book, subscribed for, has been received. Need any up-to-date calls, contact Joe.

Bill, K3HWZ, reported that the deadline for reservations for "Ladies' Nite" is May 1, 1962

Nets: Harry, W3CL, reported that the 6 meter net is in good shape; 28 to 30 call in each Monday.

Ernie, W3KKN, reported that the 220 net is growing each week, with members, new on 220, calling in.

Frankie, W3SAO, announced that the call-in frequency for the Technician, on 2, will be 145.2 so as to avoid missing anyone, 17 to 20 now checking in.

Ken, W3CPT, read his proposed amendments to the Constitution and By-Laws. These will have to be studied and approved by the Board of Directors before being presented to the membership for a vote.

Jack, W2AXU, then appointed Ed, W3HKZ, as chairman of the nominating committee, with Doc, K3GAS and the present officers.

June VHF QSO Party. Frankie, W3SAO, is the co-ordinator. Will be held on the grounds of the QTH of Warren, W3CKP. Same as last year.

Harry, W3CL, then explained why the

club goes out for the QSO Party, instead of Field Day. So as to get the operators calls, along with the club call, known on the VHF bands.

Jule, K3MSV was appointed to be the reporter for 6 in "Cheese Bits"

Hal, W3HFY, was appointed to be the reporter for 220 and 432 MC.

Bert, K3IUV then introduced the speaker; Lee Aurick, K3EQX, of R.C.A. Lee spoke on the "HISTORY OF AMATEUR REGULATIONS".

1800-1894 Marconi- 300 to 400 yds. 1896- 2 miles; 1897- 4 miles; 1901 Letter "S" sent across ocean. Beginning of Ham Radio.

1903- In Europe, QRM a mad house, codes not all the same.

1st conference held in Berlin; 9 countries represented.

1906-2nd conference held in Berlin; 27 countries represented.

CQD was the first distress call.

1910-1915; Hams now working 1000 miles Navy Service only competition.

1910-4000 hams on the air.

1902-1912; 28 laws introduced in congress to regulate amateur transmission 1912, conference in London, 59 countries represented.

1912 - First Radio Law passed 15th regulation; not to exceed 200 Meters or 1 KW input.

Had to have tickets in 1913, 2000 hams, in 1914, 5000 hams.

1914- Era of Radio Clubs.

And so on, until the present date and proposed regulation for \$5.00 fee.

Needless to say, having 3 other hams in the family, he is against it.

DUES DUES DUES

Have YOU paid your's? Read "Forfeiture of Membership" in the By-Laws. IT could happen to you.

On Wednesday, March 28, W2AXU, reran a tape of Ed Tilton's talk on "Wave Propagation and Aurora for VHF" played at our club meeting in early 1958. Much to his surprise there were many outside listeners on 50.2. At their request, he will rerun it on some Wednesday Night; date to be announced in "Cheese Bits" and on Net Frequencies.

"HAPPY BIRTHDAY TO CHEESE BITS"

We are now starting our 5th year of publication. Those of you who have a copy of the first one issued, compare it with this one and see how we have grown.

MEETING NOTICES

APRIL 11,

BOARD OF DIRECTORS

The Board of Directors meeting will be held at the QTH of W2EIF, Joseph Kilgore, 710 Bailey Street, Camden, New Jersey, on Wednesday, April 11, at 8:00 P.M.
If for any reason you are unable to attend, please call; 609 - WO. 3-7323.

APRIL 26

GENERAL MEETING

Please take note of the change in day and date. Due to the Passover Holidays, the General Meeting will be held on THURSDAY, APRIL 26 at the West Oak Lane Jewish Community Center, Sedgwick and Thouron Streets, at 8:00 P.M.

Please make every effort to attend as your copy of the Constitution and By-Laws will be given to you at this meeting.

The speaker of the evening will be our own Ed Kushner, W3HKZ. His topic will be; "AMATEUR TV".

FOR YOUR MEMBERSHIP BOOK

Reprint of no. 1, page 4.

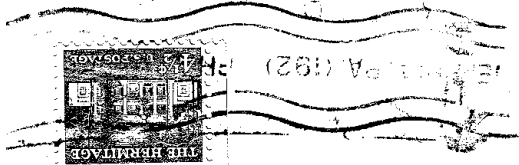
W3BQU, (W3BAH) HOWARD (HAM) BUERGER, XYL, MARGE
330 Waverly Road,
Glenside, Penna.
215- TU. 4-5532

Member omitted;

K3IFH, EDWARD GUSCIN, XYL, MARY
7121 Glenloch Street,
Phila., 35, Penna.
215- DE. 8-1231

Who said K3EKK moved? According to the phone company he is still listed at 4416 N. American St.

WILLOW GROVE, PA.
2623 OLD WALSH RD.
WASKEN ERNEST KENAS



MAR 31 1962
PHILA. PA.
829 W. FISHERS AVE.
"PACK BATS CHEESE BITS"

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