

PACK RATS' CHEESE BITS

MT. AIRY V.H.F. RADIO CLUB, INC., PHILA., PA.
(50.2, 145.2, 221.4, 432.3 & 1296.3 Mc.)

CLUB CALL: W3CCX

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEMBER CLUB: DELAWARE VALLEY COUNCIL OF AMATEUR RADIO CLUBS

MEETING NOTICES: LAST PAGE

volume xi

APRIL 1968

number 4

OUR PREZ SEZ



At last! Winter has gone and we can all get to work on the many outdoor type projects, such as antennas and the like ... might see if I can scare up a few fishing worms myself for the opening day of trout season is not far away.

Now that the big auction is behind us and was a huge success, at least I think it was a huge success, for Dave (and a few of the gang) is still counting the take, we can turn our full attention to the next big event of the Club. I speak of Ladies Nite on May 11 ... 6:30 P.M. ... is organized, planned, and all set to roll. John, K3KTY, has mailed out the tickets and is hoping for early returns. Please get yours confirmed as soon as possible.

JUNE 30 PARTY ... June 8 and 9 is under the leadership of Bert, K3IUV. He has promised to leave no stone unturned in our quest for the top score this year. The band captains have been appointed and announced at the meetings. Now is your chance to join the gang in a big effort, and many, many hands are needed. Please join one of the groups in operating and in setting up the stations. Come up to the location (to be selected shortly) on Friday night to assist in putting up antennas and laying the groundwork. Nobody works too hard except possibly Frankie, and to many of the gang, the event is very enjoyable.

The Club meeting in May has been designated as ARRL Nite. This does not involve a whole lot that is different from other years when Ed Tilton, W1HDQ, has visited the Club, for we always invited any and all area Hams to attend to hear Ed's talk. Also, the Club is an affiliated Club and has always boosted the League whenever possible. The difference is that this year, by designating a special night as ARRL Nite, we, the Pack Rats, are going to say in a loud, clear voice that we are behind the League. We will urge our members to ask questions of any officials who may be present. We have invited many. By this means maybe we can dispel a few doubts here and there and come a bit closer to our goal of 100% League Membership.

Dave, W3LHF

PACK RATS' CHEESE BITS IS A PUBLICATION OF THE MT. AIRY V.H.F. RADIO CLUB, INC., PHILADELPHIA, PA., AND IS PUBLISHED MONTHLY.

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WE OPERATE ON AN EXCHANGE BASIS WITH OTHER PUBLICATIONS AND ANYTHING THAT IS PRINTED IN CHEESE BITS MAY BE REPRINTED, UNLESS SO STATED, AS LONG AS THE PROPER CREDIT IS GIVEN.

DEADLINE FOR ARTICLES IS THE 20TH OF EACH MONTH.

ALL INFORMATION SHOULD BE SENT TO:

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8533 ALGON AVENUE
PHILADELPHIA, PA. 19152
215 - PI 2-3525

TRUSTEE OF CLUB CALL: W3CCX

W3SAO, FRANCIS BRICK
821 W. LINDLEY AVENUE
PHILADELPHIA, PA. 19141
215 - DA 4-7524

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215 - ME 5-1073

AWARDS CHAIRMAN:

W3EIF, JOSEPH KILGORE
#5 SUNNYBROOK COURT
STRATFORD, N.J. 08084

DIRECTORS' MEETINGS ARE HELD ON THE SECOND WEDNESDAY OF EACH MONTH AT DESIGNATED LOCATIONS.

CODE PRACTICE:

7:00 TO 7:30 P.M. MONDAY THROUGH FRIDAY, 50.2 MC. BY W3CL, HARRY STERN.

MONDAY NIGHT NETS:

145.2 -- 12:30 P.M.
50.2 -- 3:30 P.M.
221.4 -- 10:30 P.M.
432.3 -- 10:30 P.M.

OFFICERS -- 1967-1968:

PRESIDENT: W3LEF, DAVID ZIMMERMAN
VICE PRESIDENT: K3BSS, CHARLES LUSTICK
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PHILADELPHIA COUNTY ARPS:

E.C.: W3PST, WOODY BALDEMAN
1732 LONEY STREET
PHILADELPHIA, PA. 19111
215 - RA 5-1106

MEETINGS: FOURTH WEDNESDAY OF EACH MONTH AT 8:00 P.M.

ARRL BULLETINS

NR 157, February 29, 1968: The ARRL Communications Department is pleased, to announce the availability of a re-designed Operating Aid Number 9a, concerned with amateur message form. This convenient card offers complete information on different phases of message handling which include handling instructions, precedences, special net signals, abbreviations, prosigns and prowords. To obtain your copy of Operating Aid 9a, send a self addressed stamped envelope to ARRL, 225 Main St., Newington, Connecticut 06111 AR

NR 158, March 7, 1968: The ARRL Board of Directors meets annually in May to formulate the course of ARRL affairs during the coming year. The full members of ARRL elect the Board which has the overall responsibility for managing the affairs of the League. This democratic process is effective only to the extent that the membership participates. Now is the time for members and affiliated clubs to communicate with their division director at the address shown on page 8 of any 1968 QST AR

NR 159, March 14, 1968: On March 12 by voice vote the House of Representatives passed HR 14910 which would give the Federal Communications Commission power to control the manufacture, distribution and sale of electrical devices capable of causing interference to radio communications. The measure now goes to the Senate. Amateurs interested in its passage there may wish to record that fact with their Senators. Other details on this bill will be in the May issue of QST AR

Several months ago, we published information given to us by W3WVF, Pres. of "Ham Radio Magazine." Pres has forwarded to us the following letter from K3DFR which we reprint just to show that CHEESE BITS does get around. The address again for free copy or free copy and four month trial for \$1.00 is: Ham Radio Magazine, Greenville, New Hampshire 03043

Gentlemen:

I was quite interested in the letter regarding the new "Ham Radio" Magazine which you had published in the Mt. Airy VHF Radio Club Bulletin - CHEESE BITS.

I am enclosing an addressed envelope and a stamp. Would you please do me the favor of sending me the address of this new magazine "Ham Radio" so I may write for a sample copy.

Thanking you, I am
Yours - 73
C. McCormick, K3DFR
207 North Foster
Lansing, Michigan 48912

ARRL NIGHT

by W3HK, George Van Dyke, Jr.

At our regular meeting, 15 May 1963, Mr. Ed Tilton, W1HDQ, will be our guest speaker. At the same time, we will have our Atlantic Director, Gil Crossley, W3YA, and many local League appointees such as the EPA SCM, EPA SEC, and Philadelphia and surrounding County EC's. This is the time to get the latest dope on the League, ask any questions that may be in your mind and convince yourself the League is really representing Amateur Radio and YOU.

Why have an ARRL Night? Well, we are an ARRL affiliated club and trying to become a 100% ARRL Club. We believe in ARRL and support what it is doing for Ham Radio. We are like stockholders and would like to hear from the Board of Directors, go to speak, and see for ourselves (Missouri characteristic of Pack Rats) what is going on. Let's face it -- ARRL is our own voice so let's find out what it is saying and actively influence it by being interested and take part in its activities -- not be just a name on a list.

So plan ahead to attend the May 15th meeting and bring a fellow Ham along, too.

73,
George

TWO METER ACTIVITY

by W3LHF, David Zimmerman

The band has sure had a case of the "miseries" ever since the contest, and wore it not for a bright spot here & there, I, for one, would recommend a quiet funeral. I almost never work a 'Rat' anymore, and seldom hear one! Come on, fellas, let's stir around a bit; North Jersey is getting lonesome.

One of these 'bright spots' was the nice article by Ernie, W3KKN, in last month's ~~CHEESE~~ BITS on the Metodyne exciter for Two. This is the way to get good stability, I probably should say the only way, for very few of these rigs on the air today are in any way stable. If you don't believe me, just put your CW osc on one of these stations and listen for a few moments. The warble and drift you hear is not in your receiver. Nice job, Ernie.

Band hasn't been completely dead either. Buzz, W3EMD/4, is on from Virginia on CW on 144.025. Worked K4MHS/4 in North Carolina after being alerted by Buzz; pretty weak at times but readable - this on the 7th. On the 8th, I found K1MTJ in Maine, even weaker, but he tells me that he checks the band frequently from 2000 to 2100. Also ran into Bruce, K2RTH, who runs skeds with Buzz on Sunday night, 2100. Another sked of interest is between Bill W3AEC in West Virginia and W1MEH on Saturday night at 2030. Those who have not worked West Virginia will find Bill very cooperative after his sked, and he has promised to stand by for Pack Rats, resorting to fone if required.

The Aurora opening rumored for this month has not come off as scheduled. Still hoping though. Keep your 220 going, for I won't keep any secrets.

Looking for Operators for the June QSO party when once again I'll have my field day portable going. Sign up for a slot now.

CU on 2,
Dave

FOUNDATION FOR AMATEUR RADIO, INC.

Submitted by W3HB, W. C. Brown

The FOUNDATION FOR AMATEUR RADIO, INC., with headquarters in Washington, D. C. announces the sixth John W. Gore Memorial Scholarship for either graduate or under-graduate study. The Scholarship for 1963-1969 consists of a \$500.00 award. It may be re-applied for in succeeding years.

Licensed radio amateurs who intend making a career in electronics or related sciences may now apply for the 1963-1969 scholarship.

To be eligible, applicants must have completed one year in an accredited college or university, must be enrolled in a course of studies leading to a bachelors or higher degree. They must also be radio amateurs holding a valid FCC license

FOUNDATION FOR AMATEUR RADIO, INC. cont.

of at least a General Class rating. Preference will be given to applicants from the area served by the Foundation - the District of Columbia, Maryland and Virginia, although those living elsewhere are not excluded.

Scholarship applications should be mailed not later than August 31, 1968, and should be addressed to:

Chairman, Scholarship Committee
Foundation for Amateur Radio, Inc.
P. O. Box 5902
Bethesda, Maryland 20014

The Foundation for Amateur Radio, Inc., is a non-profit organization devoted to the advancement of Amateur Radio. It is composed of trustees representing radio clubs in the District of Columbia, Maryland and Virginia area.

John W. Gore, W3PRL, in honor of whom the Scholarship was named, was until his death in 1960 the President of the Foundation. A prominent radio amateur in Baltimore for many years, he was a vice president of the Bothlochen Shipbuilding Corporation there.

NEW IDENTIFICATION RULES
From VEF REPORTER

The FCC has announced the adoption of the revision of Section 97.87 Station Identification to read as follows:

97.87 Station Identification

- (a) An amateur station shall be identified by the transmission of its call sign at the beginning and end of each single transmission or exchange of transmissions and at intervals not to exceed ten minutes during any single transmission or exchange of transmissions of more than ten minutes duration. Additionally, at the end of an exchange of telegraphy (other than teleprinter) or telephone transmissions between amateur stations, the call sign (or the generally accepted network identifier) shall be given for the station, or for at least one of the group of stations, with which communication was established.
- (b) When an amateur station is operated as a portable or mobile station, the operator shall give the following additional identification at the end of each single transmission or exchange of transmissions:
- (1) When identifying by telegraphy, immediately after the call sign, transmit the fraction-bar DN followed by the number of the call sign area in which the station is being operated.
 - (2) When identifying by telephony, immediately after the call sign, transmit the word "portable" or "mobile", as appropriate, followed by the number of the call sign area in which the station is being operated.
- (c) When an amateur station is operated outside of the 10 call sign areas prescribed in § 97.51(b) and outside of the jurisdiction of a foreign government, the operator shall give the following additional identification at the end of each single transmission or exchange of transmissions:
- (1) When identifying by telegraphy, immediately after the call sign, transmit the fraction-bar DN followed by the designator R1, R2 or R3 to show the Region (as defined by the International Radio Regulations, Geneva, 1959) in which the station is being operated.
 - (2) When identifying by telephony, immediately after the call sign, transmit the word "mobile" followed by the designator Region 1, Region 2 or Region 3 to show the Region (as defined by the International Radio Regulations, Geneva, 1959) in which the station is being operated.
- (d) The identification required by paragraphs (a), (b) and (c) of this section shall be given on each frequency being utilized and shall be

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NEW IDENTIFICATION RULES cont.

transmitted by telegraphy, using the International Morse Code, or by telephone, using the English Language. The use of a nationally or internationally recognized standard phonetic alphabet as an aid for correct telephone identification is encouraged.

The above changes were taken from the ARRL Directors' Letter Number 1284 dated December 11, 1967.

THE TWO METER INJECTION

by WB2SZI; Marvin Shuldman

Reprinted from HI-Q, Flatbush Radio Club

Sure you feel tired out and run down, but don't take it out on your YL. What you need is a little injection. Two cc's will do. The cause of your discomfort is no doubt those pesky low bands. Contests, QRM, QRN, and minute QSO is leeching your hams' blood from you. You want to get high? You don't need L.S.D. You can go high with a two meter rig, that's v.h.f. Maybe you were on two, four years ago and felt there was no one on the band. Try it now, you'll be surprised.

Two meters is unlike any band you've ever been on before. If you get yourself any kind of superhot receiver, put a simple converter ahead of it, and have a one watt transmitter, you will experience no QRM at all. Of course if you are using a "twoer" receiver don't expect not to get QRM. This can be overcome, however, by use of several crystals. More on this later. You will find that there are more ragchews per h.c. on two meters than on any other band. On a Saturday afternoon you will find the band crowded. On any other day except Sunday the band will not be crowded but you will be able to have a QSO.

What is really exciting about two meters now, is the "twoer" club. In case you haven't been looking at ads for the past seven years or so, a "twoer" is a little lunchbox rig with a fantastic one watt output, and a receiver with a bandwidth as wide as a hippo's rear. This disadvantage made by Heathkit, actually is an advantage to a "twoer addict." This broad receiver allows him to keep his dial at one spot and still hear all the members of the QSO. This allows for some very enlightened QSO's to say the least. When an interfering station is too strong, all the members move up in freq. More than two crystals are never needed. Under the heading of twoer power, you will find people who joined two, instead of A.A. You will find people who believe in free love and in free everything else. You will make many friends some good, some bad. You will learn that putting someone down is fun and gets rid of all your frustrations. You will know who to turn to when you want a bad report on your signal, and for that matter when you want a good report. If you're a tune up nut, on the band can be found a group who specializes in helping people and themselves in finding a maximum whatever. Be prepared for long waits of silence while the other fellow gets that last .000000000000001 watt of output. Every so often a group will get together in pinning down some form of misuse on the band. This may take the form of four hour triangulation attempts and promises of burned houses. All of this is a lot of fun and nothing ever comes of it. It also serves as the two meter gossip corner. If you're on two for long be prepared for the threeinthe-morn mobile callup. This is whereby a bunch of people who have nothing to do on Saturday night go mobile outside your house. Good times are had by all, but hide the food and the women.

There's really much more than this on two, but let's face it, I'm just lazy. If you want more information about two meters just get in contact with a few of the "twoer" bugs on the air and in the club.

GREAT CIRCLE MAP

The U. S. Oceanographic Division, Washington, D. C. 20390, has available a map of the Great Circle (EO6705) of the World. Cost \$1.20.

It doesn't take a big spender to put money into circulation these days.
de ARNS Bulletin

AMMS RECEIVE PUBLIC ACCLAIM
Reprinted from KEYSTONE COMMUNICATOR

On Wednesday, February 20, the well known actress, Dorothy Lamour, was performing the play "Dolly" at the Rajah Theater in Reading, Pennsylvania. A group of Dorothy's friends from the Baltimore area where she resides, decided to hire a bus and travel to Reading to surprise her.

Bill Montgomery, K3QPM, and Lt. Cndr. Henry Aldrich, formerly KG4AA of Guantanamo Bay, Cuba, and now stationed at the Patuxent Naval Air Base in Maryland, were invited to go along.

During the show's intermission, Dorothy was informed of the delagation of friends from her home town present in the audience. After the show ended and the curtain came down, Dorothy appeared back on the stage to thank her audience for the nice reception, and particularly to show her appreciation for the group that travelled from Baltimore to see her perform. She continued to tell that in this group were two very special friends she wanted to thank. Dorothy told the audience how Bill Montgomery, K3QPM, and Lt. Commander Henry Aldrich, KG4AA, and the entire Amateur Radio Fraternity has kept her in constant touch with her son Ridge, who is in the Navy, by means of phone patch conversations, messages, etc., particularly while he was stationed in "Gitmo" Bay, Cuba. She went on to alud the thousands of Amateur Radio Operators in our country for their countless hours of toil and devotion in their efforts to keep the boys in the Service in contact with their friends and family at home. She appreciated how the moral of the boys has been lifted thanks to Radio Amateurs.

Bill and Henry were quite surprised and pleased by the turn of events, especially as the group from Baltimore was composed of some very prominent people, including the members of the Civic Commission of the city.

Bill and Henry received quite an ovation from the audience, as did our entire Amateur Radio Fraternity. We are glad that these two operators, and all the devoted Amateurs engaged in this Public Service work have received the acclaim they so deserve. (PDM)

SAMUEL FINLEY BREESE MORSE, 1791-1872

From X-Mitter

A miniature biography courtesy of Dynamics Corporation of America, from "Telecommunication Pioneers", with thanks to W2ALS.

The science of telecommunications received a great boost in the nineteenth century through the contributions of Samuel F. B. Morse.

As the inventor of the electromagnetic recording telegraph and the developer of the code of dots and dashes known as the Morse code Morse contributed a new form of communication to the world.

But Morse was not always a scientist. His tastes during his early years led him much more strongly toward art as his life's work. He went abroad to study the old masters, and was one of the founders of the National Academy of Design in England. He served as the organization's first president.

It wasn't until 1832, at the age of 41, that the scientific period of his life really began. It was then that he completed rough drafts of the apparatus upon which the modern telegraph is modeled.

In the succeeding years, Morse perfected his invention and secured for it a proper presentation to the public. Because he made his own models, moulds and castings, it was not until 1836 that he had completed an apparatus that would work.

Morse applied for and received a United States patent but his petition to Congress asking for an appropriation to defray the expenses of setting up an actual public telegraph was not acted upon.

He went abroad to search for support, but England denied him a patent altogether, as did Russia. The French government finally granted him one, but then appropriated it without compensation to Morse.

Finally, in 1843, the United States Congress passed a measure granting the requested appropriation, and steps were taken to construct a telegraph from Baltimore to Washington, D. C.

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SAMUEL MORSE continued

It was used for the first time on 24 May 1844, as Morse sent the first message -- "What hath God wrought."

The telegraph system consisted of a sender to transmit signals by the opening and closing of an electric circuit, an electromagnetic receiver to record the signals and the code to translate the signals into letters and numbers.

Today, the original concept of the electromagnetic recording telegraph is utilized in many telecommunications systems and Morse code is still a universal standard for sending messages.

From "RF" Orange County ARC

DEDICATED TO ALL XYL'S

AN ORIGINAL POEM
(That's why it's so bad)

When evening shadows begin to fall
And the work of the day is done
The OM winks at you and says,
"Think I'll go to the shack for some fun."

He walks toward the ham shack door
Like a criminal on the lam
Suddenly he looks at you and says,
"Hey, you ever thought of becoming a ham?"

You look into his eager face
So anxious to please this man
You tenderly hold his hands and say
"But sweetie, I don't give a diddly d--."

73,
Louise, WB6HVY

Teacher: A textbook wired for sound.

MEETING NOTICES

The next DIRECTORS' MEETING will be held on April 10, at the QTH of W3HK, George VanDyke, 4607 Convent Avenue, Philadelphia, Pa.

The next REGULAR MEETING will be held on April 17, at the West Oaklane Jewish Community Center, Sodgewick and Thouron Streets, Philadelphia. Our speaker will be Dr. Alvin Morkins, M.D., whose topic is "Code Made Easy".

SWAP SHOP

Conducted by: W3ZRR, Ray Whitehead
4534 N. Smedley St.
Philadelphia, Pa. 19140
215 - 324-5910

FOR SALE

- 1 - BC 312 Receiver with AC power supply \$25
 - 1 - National NC-125 Receiver, broadcast band to 30 mc. \$50
 - 1 - 24" RCA t.v. with stand \$50
 - 4CX250B tubes new-sealed \$6/each
 - 1 - 17" Emerson t.v., no cabinet \$15
- Contact: K3JJZ, Elliott Weisman
3533 Algon Avenue
Philadelphia, Pa. 19152
215 - PI 2-3525

DID YOU KNOW

That the East Coast VHF Society, Inc. will have a banquet Saturday, 5/4/68, at Lodi, New Jersey. For further information contact K2EHS, John D. Thompkins, 93 Bergen Blvd., Lodi, N. J., 201-778-2416.

That W3LEF, Dave Zimmerman, shipped his last four 610 tubes to North Jersey for use in a diathermy machine. That K3IUV, Bert Soltoff, has announced the team captains for the June QSO Party:

- 6 meters: W3CL, Harry Stein
- 2 meters: W3LEF, Dave Zimmerman
- 220: W2EIF, Jo Kilgore
- 432: K3UJD, Mario Fontang
- 1296: WB210E, Lou Arnao

That K3GAS, Doc Cutler, has a number of Sam's folders for older TV sets, radios, amplifiers and phonographs in addition to auto radio folders and a number of ham receiver folders. You can reach him at ME 5-1078.

That there is an outfit in Wichita, Kansas, called the "Val-5AC" Manufacturing Co. They make what is called a "Pak-Rat". What it is is a one ton garbage truck.

General Electric has just introduced a new low cost, one watt monolithic integrated circuit audio amplifier, designated the PA234. For additional information write to Distributor Services, General Electric Co., Bldg. #6, Schenectady, New York 12305.

That W3BVA, Ted Leaf, is in the Delaware County Hospital, Lansdowne and Keystone Avenues, Drexel Hill, Pa.

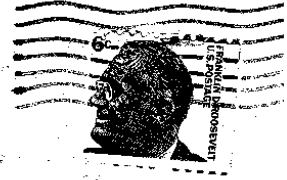
That the East Coast VHF SSB Assoc. will have a social get together on 4/24/68, at the Flying W Ranch, Fostertown, N.J. For more info, call Secretary, WA2ONB Abe Cutler, 45 Birchall Drive, Haddonfield, N.J.

That SJRA has a two meter net: Net control-transmits on 145.3 mhz, and tunes the entire band time 2100 est. every Wednesday night.

That K3WEU, Paul Behrman, is looking for book reviewers. Contact him at 877-0552.

PACK RATS CHEESE BITS
8533 ALCON AVE
PHILA. PA.
19152

PHILADELPHIA
APR 4
-PM
1968



WSRKN, Ernest Kenas
2823 Old Welsh Rd.
Willow Grove, Pa. 19090

MEETING NOTICE

Faded text, likely the body of the meeting notice, containing details about the event.

Faded text, likely the body of the letter or document, containing various details and possibly a signature.