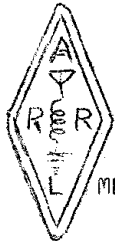


# PACK RATS' CHEESE BITS

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

EDITOR: HELEN BRICK, XYL, W3SAD  
MEMBER: AMATEUR RADIO NEWS SERVICE



MEMBER CLUB: DELAWARE VALLEY COUNCIL OF AMATEUR RADIO CLUBS

MEETING NOTICES: LAST PAGE

VOLUME X

JUNE 1967

NUMBER 4

## OUR PREZ SEZ



One of the important events of the regular membership meeting for May was the presentation of a slate of candidates for club officers. These people are to be voted on by you at the June Meeting. Don't forget the list of candidates, which appears elsewhere in this issue, is not final. Nominations remain open, up to and including the June meeting time, so you can nominate persons of your choice. Don't forget the June QSO Party, which the club will operate this year from a new and somewhat more comfortable site than last year. The club intends to operate on all bands, 6 meters through 1296 Mcs. Get on the air and make sure that the club gets a contact from you on all the bands that you can operate. We will need all the contacts we can get because our competition is pretty stiff this year. The location is on Rte 563, near its junction with Rte 63.

The June meeting is our last indoor meeting until fall, so make sure to keep up with Cheese Bits as to location of the meetings for July, August and September.

Jo, W2EIF

### OFFICIAL NOTICE

JUNE 21, 1967 ELECTION OF OFFICERS FOR THE YEAR 1967-1968 WILL BE HELD AT THE WEST OAK LANE JEWISH COMMUNITY CENTER AT 7:45 P.M. BE SURE TO ATTEND AND VOTE!

### SILENT KEY

K3PXT, CARMEN J. DIODATI  
SUDDENLY, JUNE 3, 1967

His voice is silent, His beam is still,  
But in our hearts, He lingers still.

"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 PROPER CREDIT IS GIVEN.

DEADLINE FOR ARTICLES IS THE 20th OF EACH MONTH.

ALL INFORMATION SHOULD BE SENT TO THE EDITOR: HELEN BRICK, XYL, W3SAO 821 W. Lindley Avenue, Phila., PA 19141 215- DA. 4-7524

TRUSTEE OF CLUB CALL: W3CCX W3SAO, FRANCIS BRICK 821 W. Lindley Avenue, Phila., PA 19141 215- DA. 4-7524

PRINTER & SUBSCRIPTION MANAGER: K3GAS, DOC CUTLER 7815 New Second Street, Phila., PA 19117 215- ME. 5-1078

AWARDS CHAIRMAN: W2EIF, JOSEPH KILGORE #5 Sunnybrook Court, Stratford, NJ 08084

DIRECTORS' MEETINGS: are held on the second Wednesday of each month at designated locations.

CODE PRACTICE: 7:00 P.M. to 7:30 P.M. MONDAY thru FRIDAY, 50.2 Mc. by W3CL, Harry Stein.

MONDAY NIGHT NETS: 145.2 - 7:30 P.M. 50.2 - 8:30 P.M. 221.4 - 9:30 P.M. 432.3 - 10:00 P.M.

OFFICERS: 1966 - 1967 PRESIDENT: W2EIF, JOSEPH KILGORE VICE-PRES: W3LHF, DAVID ZIMMERMAN COR. SEC.: W3SAO, FRANCIS BRICK REC. SEC.: K3WEU, PAUL BEHRMANN TREASURER: W3MVF, DAVID BLOCH

DIRECTORS: W3ELI, GEORGE VAN DYKE, JR. K3HSS, CHARLES LUSTICK K3JJZ, ELLIOTT WEISMAN W3MFY, PRESTON FUNK K3CIV, RALPH HERSH (EX-OFFICIO)

\*\*\*\*\* PHILA. COUNTY ARPSC E.C.: W3PST, WOODY HALDEMAN 1732 Loney Street, Phila., PA 19111 215-RA. 5-1106

GENERAL MEETINGS: FOURTH WEDNESDAY of each month at 8:00 P.M.

Almost mobilized yesterday during the blackout. If you are not a member, why not sign up now? If you are a member, make sure that your mobile rig is working. The Director of the Lankenau Hospital reported that they are equipped with a Ham station.

NR 112, MAY 11, 1967

A study is under way to determine to what extent, if any, normal propagation conditions were disrupted by the artificial ionosphere cloud fired by rocket from Wallops Island Virginia the evening of March 30. Amateurs having knowledge of disruption of normal conditions that evening, on any frequency, are requested to forward a complete details to ARRL Headquarters, 225 Main Street, Newington, CT 06111 AR

NR 113, MAY 18, 1967

A reciprocal operating agreement is now in effect between Trinidad and the United States. Amateurs of one country visiting or residing in the other may obtain permission to operate their own amateur stations there.

NR 114, MAY 25, 1967

All amateurs are reminded that Canada's first ARRL National Convention will be held in Montreal, Quebec, June 30 through July 2. There will be three days of exhibits, meetings, technical and operating talks, tours, a banquet and other features uniquely Canadian. Accomodations may be scarce due to Expo 67 and you are urged to make arrangements immediately by writing Doug Shaw, VE2BSX, 7401 Mount Avenue, Montreal, 16, Quebec, Canada. Information has previously appeared in April and May QST and the June issue features full details on this first ARRL National Convention to be held outside the United States. AR \*\*\*\*\*

SLATE OF OFFICERS\*1967-68

PRESIDENT: W3LHF, DAVID ZIMMERMAN VICE-PRES: K3HSS, CHARLES LUSTICK COR. SEC.: W3SAO, FRANCIS BRICK REC. SEC.: K3ZPN, LLOYD SCHOENIG TREASURER: W3MVF, DAVID BLOCH

DIRECTORS (VOTE FOR TWO) K3IPM, STANLEY SMITH K3UJD, MARIO FONTANA K3KTY, JOHN TATE

\*\*\*\*\* W3ZRQ, ALLEN BREINER, has resigned as SCM for E. Pa. and has turned the office over to W3ELI, GEORGE VAN DYKE, JR. Al notified the ARRL and has withdrawn his name from the ballot for re-election. A meeting of E. Pa. ARRL Appointees is scheduled for June 9 at the QTH of K3WEU, Paul Behrmann. \*\*\*\*\*

TRANSMITTER HUNT

SUNDAY, JUNE 25 - 1:00 to 3:00 P.M. Listen on the nets for details.

\*\*\*\*\* PACK RATS' PICNIC: AUGUST 13 (rain date, August 20). Details on another page.

NOTES FROM OSCAR NEWS

Project Oscar Inc., April 1967 Submitted by W2AXU, John Power

The Euro-Oscar was received in San Francisco on the 17th of March after a long airline flight from Germany. The Euro-Oscar is the OJ4ZC satellite. The satellite was uncrated and inspected. Aside from a loose core in one of the slug-tuned coils, the unit was intact.

Physical and electrical evaluation of the package is presently underway. Physically, the package looks usable although some of the components will have to be mounted more securely to prevent possible damage during launch. The shock and vibration during the first minutes off the pad can be devastating unless everything is securely fastened down.

A certain amount of work must be accomplished before the satellite is ready for the launch. This must be well on its way so that schedules are known before the political efforts to obtain launch and operating approvals can be begun.

In general, the functions of the OJ4ZC package are similar to Oscar 3. Another way to think of the package is to visualize a conventional SSB transmitter. Now convert it to solid state, reduce its size by a factor of ten, throw in a code generator for the HI's and you will have some idea of the complexity of Euro-Oscar.

Euro-Oscar unit incorporates an antenna system that will give circular polarization. The average amateur will want to use linear polarization for tracking and for transmitting to the satellite. For those with more advanced ideas, this would be a good opportunity to try out polarizations diversity systems for an additional 3 db improvement in reception performance. It would be of interest to record the polarization sense changes as a means of evaluating the tumble orientation and rate.

Another satellite is under development from down under. It is the Australian Oscar. Its delivery scheduled for early June. At the moment it's a toss up as to which package will fly first.

\*\*\*\*\*

K.U.I.

By W3HKZ, Edward Kushner

An artificially created aurora borealis is scheduled as the first phase of a series of high-altitude experiments probing the earth's atmosphere. The experiment call for rocketing an electron accelerator aloft in a 320-km-high ballistic trajectory. At high altitude and at about 10-second intervals, the accelerator will shoot a stream of electrons down toward the earth. As the accelerator is fired, electrons are exhausted at a rapid rate, leaving the space vehicle with a positive charge. To neutralize this charge, an expandable disk-shaped screen, some 26 meters in diameter, deploys to collect free electrons in the vehicle's path. Recharged with these electrons, the accelerator is enabled to fire its pulsed electron beam again and again.

Scientists expect that when the electrons collide with gas molecules high in the earth's atmosphere, they will create an aurora effect about 104 km above the earth. The brilliant spot of light, they believe, will be somewhere between 0.6 km and 8 km in diameter, and probably at least as bright as a full moon. The initial space shot is scheduled for June of this year.

\*\*\*\*\*

SIGNS OF THE TIMES: One of these days we intend to have a large sign made up for the wall of our shack. It will read something like this, and it will save us a lot of repeat performances.

NOTICE TO INTERESTED VISITORS

1. No one has the slightest notion as to why radio amateurs are called hams, they just are.
2. Hams never broadcast. When they communicate, they are said to be working each other.
3. Hams do not transmit messages for pay. That's the job of Western Union, RCA Communications, etc.
4. Yes, this equipment not only looks expensive, it is.
5. No, neither one of us is on Candid Camera.--

From: Electronics Illustrated, September 1964 submitted by K3MXM, Lee Cohen

\*\*\*\*\*

COMING EVENTS

JUNE 21: GENERAL MEETING. ELECTION OF OFFICERS, W3HIX SPEAKER "SOLID STATE DEVICES".

JUNE 25: TRANSMITTER HUNT

AUGUST 13: PACK RATS' PICNIC, FORT WASHINGTON STATE PK. \$2.00 PER FAMILY

PACK RATS' PICNIC

THE 12th ANNUAL PACK RATS' PICNIC & FAMILY DAY WILL BE HELD ON SUNDAY, AUGUST 13 (RAIN DATE: AUGUST 20) AT FORT WASHINGTON STATE PARK, FLOURTOWN, PA.

REGISTRATION: \$2.00 per family at the park only. 10:00 A.M.

GAMES FOR THE KIDS AND FREE SODA AND FUN FOR ALL!

USING THE PENNSYLVANIA TURNPIKE GET OFF AT THE FORT WASHINGTON EXIT AND FOLLOW THE RAT SIGNS TO THE PARK.

USING ROUTE 73, EITHER WAY, FOLLOW THE RAT SIGNS AT BETHLEHEM PIKE.

USING STENTON AVENUE, WEST, FOLLOW THE RAT SIGNS AT BETHLEHEM PIKE.

USING STENTON AVENUE, EAST, FOLLOW THE RAT SIGNS AT MILL ROAD.

USING ROUTE 422 (GERMANTOWN PIKE), EITHER WAY, FOLLOW THE RAT SIGN AT BETHLEHEM PIKE.

USING ROUTE 309, BEAR TO THE RIGHT AT THE AMBLER SIGN, JUST BELOW ROUTE 63 COMING SOUTH.

W3CCX WILL BE ON 50.2 & 145.2 Mcs. FROM THE PARK AT 9:30 A.M. for talk-in.

IN CASE OF RAIN, LISTEN FOR HOME STATIONS ON 50.2 & 145.2 FROM 6:30 A.M.

FOR FURTHER INFORMATION CONTACT: W3SAD, FRANCIS BRICK,  
821 W. Lindley Avenue,  
Phila., PA 19141

Picnic Chairman

PACK RAT DIRECTORIES WILL BE AVAILABLE AT THE PARK.

PLEASE! NO ALCOHOLIC BEVERAGES! THIS IS A STATE PARK AND STATE LAW PROHIBITS THEM.

REMEMBER: FORT WASHINGTON STATE PARK IS LOCATED IN FLOURTOWN, PA, AND NOT IN FORT WASHINGTON, PA.

COME ONE!!

COME ALL!!

TAKE THE FAMILY OUT FOR A DAY IN THE PARK!!

NO TRANSMITTER HUNTS TO TAKE DAD AWAY!!

PACK YOUR LUNCH AND FAMILY IN THE CAR!!

NO AMUSEMENT RIDES TO SPEND MONEY ON!!

EYEBALL QSO's

FUN FOR THE FAMILY

GAMES FOR THE KIDS

(1 to 100)

GRAB BAGS FOR THE KIDS (0 to 12)

FREE SODA FOR ALL

\*\*\*\*\*  
TODAY'S HEADLINES

"WAR IN VIET NAM & THE MIDDLE EAST"

"WORLD FRIENDSHIP AND PEACE" By Henry Baker, 1862

O God of love, O King of peace,  
Make wars throughout the world to cease;  
The wrath of sinful man restrain: Give peace, O God, give peace again!

Whom shall we trust but Thee, O Lord?  
Where rest but on Thy faithful word?  
None ever called on Thee in vain: Give peace, O God, give peace again!

Amen

(1st & 3rd verses)

By WA3CQQ, Jay Jacobson

I sit here in my office at Philco-Ford's Willow Grove plant in a windowless room, surrounded by the sights and sounds of the SpaceAge. My existence is governed by a technocracy whose President in a #2000 computer, whose Congress is a corps of Electronic Engineers, whose Army is the Security Guard, whose Supreme Court is Management, whose Schools and Churches are Key Punch Machines and banks of Tape Decks, and whose Deity is the Memory Drum.

The air I breathe rumbles through huge ducts, driven by a Master Air Conditioner. The food I eat comes from a soulless stainless steel cafeteria. My beverages gurgle forth from a chrome-and-plastic robot, accompanied by the flashing of colored lights and the buzz and click of a host of relays and switches. I am part of a sunless world, devoid of God and Nature. Almost....

For deep within the confines of this Temple of Technology there exists a quadrangle of grass and trees. It is small, hidden, and inaccessible from outside the building. Except from the sky.

And it was from the sky that the First Wonder of the World came to us last week. Motherhood on wings, the very spirit of life and fertility -- a little pregnant duck -- came to us. And made us remember God.

She built a nest of the unshorn grass in the quadrangle, and deposited her packets of procreation therein. And the House of Transistors was shaken to its very foundations.

The Supreme Court saw Eternity, and issued a proclamation: "THOU SHALT NOT DISTURB THE DUCK!"

Buttons were pushed, switches were thrown, orders poured forth from the Oracle of the Print-Out, and the population was admonished, "THOU SHALT NOT DISTURB THE DUCK!" The machines mowed the grass, but the vegetation in the Shrine of Motherhood lay fallow. Thousands of workers in this Cybernetic Community found new routes to their places, but none crossed the quadrangle, for Management had spoken. And men gathered at the glass doors to wonder and to think and to look outside at THE DUCK, and to look inside themselves for the vestiges of Adam. And they wait, as did men in the Days of Old, for the Miracle.

\*\*\*\*\*

ANOTHER PIECE OF WALL PAPER

Submitted by W3ELI, George Van Oyke, Jr.

The Harrisburg Radio Amateurs Club, Inc., will issue a nice certificate to any amateur that contacts 100 Pennsylvania hams within any calendar year. There are two endorsements;

- 1. For 25 Penna. Novice contacts
- 2. For 100 Penna. stations in any subsequent year

Endorsements are available each year.

To get certificate of endorsements forward list of stations contacted in Alphabetical order to:

Award Manager: Charles T. Vogelsong, W3BQA  
RD 3, Dillsburg, Pa.

or Award Secretary: Harold L. German, W3IMN  
P.O. Box 369, Camp Hill, Pa.

Put following statement at end of list:

"I certify that the above list is a true copy of the log information of Amateur Radio Station \_\_\_\_\_"  
(your call)

QSL's are not required for endorsements.

\*\*\*\*\*

K3PXT, CARMEN J. DIODATI

It is with regret and shock that we report the sudden passing of K3PXT, Carmen J. Diodati on Saturday, June 3, 1967. Carmen will be remembered and sadly missed by all the Pack Rats and his friends because of his friendliness and willingness to assist in every undertaking of the club.

Carmen complained of indigestion on Friday evening, June 2 and went to bed never to awaken again in this world. He has joined the ever growing Pack Rat Auxiliary in the sky. See you later, Pal.

We extend our heartfelt sympathy to his XYL, Sunny, and his family. May God Bless you and comfort you.

The second trip of the Pack Rats to ARRL Headquarters is planned to take place on Saturday, September 9, 1967. The trip is open to all Amateurs in the area, and their families.

Those who went on our first trip remember what a grand time was had by all, and the welcome we received at headquarters even though the building was not officially open to visitors due to strikes holding up the completion of the building.

Further information will be announced on the nets, at the meetings and in Cheese Bits as to the time and place of departure and cost of the trip.

So, keep your ears to the nets, attend the meetings and keep your eyes on Cheese Bits.

\*\*\*\*\*

SUMMER MEETING SCHEDULE

JULY 19 QTH OF W3JSD, JOHN HOUSER. "WHITE ELEPHANT SALE"

AUGUST 16 QTH OF W3MFY, PRESTON FUNK. FILMS AND SLIDES. YL's & XYL's INVITED.

SEPTEMBER 20 QTH OF W3LHF, DAVE ZIMMERMAN. "AUCTION SALE"

Remember, all of these meetings are at private homes, so extra chairs will be needed. Bring what you can.

\*\*\*\*\*

DID YOU KNOW

That our Rat from Texas, W5NFD, George Gakoumis, is back in this area and is looking for a QTH and will bring May and the children "home" as soon as he finds one? Welcome back to the nest, George. Back to active duty.

That K3BPP, Walt, our "student" member is now finished college and will no longer be a "student" but a full fledged Pack Rat?

That W3ZRR, Ray, is still without an antenna system? He is planning on what and how to erect one.

That anyone who doesn't have a Pack Rat pin and would like to have one should contact K3HWZ, Grandpop Bill?

\*\*\*\*\*

ARRL 220 DIRECTORY

Fellow V.H.F. Enthusiasts:

Earlier this year we sent you a questionnaire regarding your activities on 220 Mc. and higher bands, to gather information for our directory of stations working in this field. Returns have been very gratifying, approaching 50 percent at this writing, and much good information has been compiled. If you have not yet returned the form, and you wish to be included in the directory, please be sure that it is in our hands before July 1.

Many of you indicated an interest in the ARRL Official V.H.F. Station Appointment. Formerly the Official Experimental Station (OES) this is one of several station appointments available to any interested and qualified member of ARRL. OVS is for all aspects of v.h.f. and u.h.f. Activity, and holders are full-fledged members of the ARRL Family. As such, they report activities regularly to ARRL through their Section Communications Managers. (See page 6 of QST for your SCM) Much of the interesting material you see in QST each month comes through the OVS channel. We'd like to see you contributing regularly, and invite you to apply to your SCM for the OVS appointment. As OVS you will receive occasional bulletins, and all mailings of v.h.f. or u.h.f. news that cannot be passed on through QST in time to be useful.

Most of you said you'd like a contest for 220 and higher bands. We'd be glad to have your ideas on this. For example, would you go for such a contest in place of, or as part of, our September V.H.F. QSO Party?

If you work the h.f. bands perhaps you'd like to talk with v.h.f. men in other areas of the country on a scheduled basis. Low-band liaison is getting more popular all the time, and is available each Sunday night on or near 3815 kc., beginning at 9:30 P.M. (0130 GMT, Monday). The Central States V.H.F. Net fires up at 0230, and the westerners at 0330 GMT, with W5DRH and W6GDD as NCS. The 10-meter band is warming up, and is again becoming useful for swapping v.h.f. news worldwide. 28.63 Mc. is used weekends at 2000 GMT.

The 220-and-up directory will be ready for distribution later this summer. If you returned the questionnaire you'll get one, so will all OVS. Others can get one for a self addressed stamped envelope. 73, Ed Tilton, W1HQD

SWAP & SHOPPE

CONDUCTED BY: W3ZRR, Ray Whitehead  
4534 N. Smedley Street,  
Phila., PA 19140  
215- DA. 4-5910

FOR FREE: 88 M H Toroid coils used in  
ATTY. Compliments of local  
AFMARS Net.

CONTACT: K3AGH, Bob Bailey

FOR SALE: 1 new Heath Sixer HW29A with  
mike, cables and crystal.  
\$25.00

1 Eico #753 SSB transceiver,  
20, 40 and 80 with power  
supply \$190.00

CONTACT: K3IHF, Ed Guscin  
7121 Glenloch Street,  
Phila., PA 19135  
215- DE.8-1231

FOR SALE: 1 NC 270 receiver. Complete  
in mint condition.  
1 Elmac AS68A transmitter-  
80 to 6 meters, 60 W with  
M 1070 power supply 12 and/or  
115 V. Complete \$250.00

CONTACT: K3NZG, Glen  
County Line Road, RD #1,  
Bechtelsville, Pa.  
1-215-754-7329

FOR SALE: Heath HX10-Marauder trans-  
mitter. Top condition.  
usb-lsb-am-cw-fsk 180 W  
Complete with manuals  
\$235.00

Heath HA-10 Warrior 1,000 W  
linear. Fine condition with  
manuals and extra tubes.  
\$160.00

National NC-300 receiver  
with 6 & 2 meters converters  
and manuals. Top shape.  
\$160.00

or, the works for \$500.00

CONTACT: K3YQD, Dave Festa  
215- IV. 2-3966 or,  
WHYY TV- 215-EV. 2-9300

\*\*\*\*\*

MEETING DATES

DIRECTORS'

JUNE 14  
JULY 12  
AUG. 9  
SEPT. 13

GENERAL

JUNE 21  
JULY 19  
AUG. 16  
SEPT. 20

\*\*\*\*\*

GENERAL MEETINGS are held on the third  
Wednesday of each month, when possible,  
at the WEST OAK LANE JEWISH COMMUNITY  
CENTER, SEDGWICK & THOURON STREETS,  
PHILA, PA. at 7:45 P.M. Sharp.

\*\*\*\*\*

MEETING NOTICES

JUNE 14 DIRECTORS' MEETING will be  
held at the QTH of W2EIF,  
Jo Kilgore, #5 Sunnybrook  
Court, Stratford, N.J. at  
8:00 P.M.

JUNE 21 GENERAL MEETING will be held  
at the West Oak Lane Jewish  
Community Center at 7:45 P.M.

ELECTION OF OFFICERS!!!!!!

SPEAKER: W3HIX, John  
Specialny. TOPIC: SOLID  
STATE DEVICES. (FIELD EFFECT  
TRANSISTORS)

JUNE 28 PHILA. COUNTY ARPSC MEETING  
will be held at the Belmont  
Pumping Station of the Phila.  
Water Works, Ford Road and  
Belmont Avenue, Phila., Pa.  
at 8:30 P.M.

\*\*\*\*\*

W3KKN, Ernest Kenas  
2823 Old Welsh Rd.  
Willow Grove, Pa. 19090