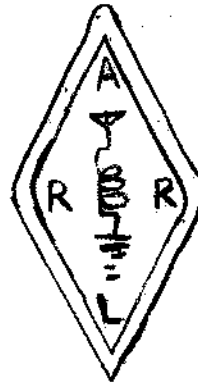




PACK RATS'

CHEESE

BITS



CLUB CALL: W300X

APRIL - 1969

MT. AIRY V. H. F. RADIO CLUB, INC., PHILA., PA.

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

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

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

DEADLINE FOR ARTICLES IS THE 20TH OF EACH MONTH

TRUSTEE OF CLUB CALL: W300X
W3SAO, FRANCIS BRICK
821 W. LINDLEY AVENUE
PHILADELPHIA, PA. 19141

PUBLISHER:

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215 - ME 5-1078

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#5 SUNNYBROOK COURT
STRATFORD, NJ. 08084

EDITOR:

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8533 ALOGN AVENUE
PHILADELPHIA, PA. 19152
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145.2 - 7:30 P.M. 221.4 - 9:30 P.M.
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K3ZPN, LLOYD R. SCHOENIG
3388 RED LION ROAD
PHILADELPHIA, PA. 19114
215 - 637-6455 / 5219

OFFICERS - 1968 - 1969:

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VICE-PRES: W3MFY, PRESTON FUNK
CORS SECT: W3SAO, FRANCIS BRICK
RECD SECT: K3ZPN, LLOYD R. SCHOENIG
TREASURER: W3MVF, DAVID BLOCH
K3KTY, JOHN TATE
K3CIV, RALPH HERSH
(Ex-Officio)

DIRECTORS:

W30JU, DONALD HAMPTON W3KKN, ERENST KENAS
K3UJD, MARIO FONTANA W3LHF, DAVID ZIMMERMAN

CODE PRACTICE:

7:00 TO 7:30 P.M. MONDAY THROUGH FRIDAY, 50.2 MHZ. BY K3ZPN, LLOYD SCHOENIG.

PACK RATS' CHEESE BITS is a publication of the Mt. Airy V.H.F. Radio Club, Inc., Philadelphia, Pennsylvania, and is published monthly.

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\$ 2.00 per year

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.

OUR PREZ SEZ

The next club event is Ladies Night and I personally feel it is not necessary to use any form of persuasion to make this affair a sellout. I say this because they have been enjoyed by all who attended them in the past years and this continues to be our biggest booster. Secondly, it's a night designed to give the XYL or YL a night to dress up and take the Pack Rat along for an evening of fun and relaxation. John, K3KTY, our hard working chairman has gone all out to please the ladies so lets make it our business to see that they get there.

For a number of years there has been a standing invitation for a member to be invited to attend an Executive Board meeting to observe how club business is resolved. However, the number of members attending the Executive Board meetings has increased to a point that it has become difficult for the Board to conduct its business expeditiously and under some circumstances accommodations are crowded. In the interest of providing the best working conditions for the Board the following rule will be in effect. The meetings will be open to Committee Chairmen and past presidents. Those members who have specific business they would like to present to the Board shall discuss the arrangements with the President.

In the not too distant future is the June QSO Party or Field Day. K3ZPN, Lloyd, the chairman is preparing a list of participants for this yearly challenge. Make sure your name is on it. There are many tasks to be done and coordinated to make this event a successful one so nothing can be left to be done at the last minute. If you have not already volunteered don't be surprised if you receive an appointment. Accept it, you will enjoy working with the gang at the Hilltown site.

73,
K3HSS, Charley

ARRL BULLETINS

NR 210, February 27, 1969

Those desiring to increase their code proficiency should take note of a variety of aids available without charge from ARRL headquarters. The package includes a reference guide for new operators and code trainees, a complete W1AW schedule with time conversion chart, full information on ARRL qualifying runs and a list of code practice stations. Send your self-addressed stamped envelope to ARRL, 225 Main Street, Newington, Connecticut 06111 AR

NR 211, March 6, 1969

With the coming of the travel season, amateurs will be taking advantage of reciprocal operating agreements. Amateurs traveling across the Canadian United States border should apply for an operating permit 30 to 40 days in advance. W/K licensees apply to the Post Office Department, Century Building, Lisgar Street, Ottawa, Canada or its six regional offices. Canadians apply to the FCC, Washington, District of Columbia 20554. Travelers visiting elsewhere should allow at least two months for processing of requests. Write to ARRL headquarters for details on a particular country AR

FROM THE BOOK RACK
de Paul R. Behrmann K3WEU /*AREA

Title: POPULAR TUBE AND TRANSISTOR SUBSTITUTION GUIDE (Tab Book No. 491)

Price: \$4.95 leatherette bound; \$2.96 paperback - 160 pages; 8 sections

Here is the most needed substitution data for both tubes and transistors in one volume.

This guide lists 99% of the tubes and transistors ever needed to be replaced. moreover, only readily-available and comparably-priced substitutes are listed.

This volume contains 8 big sections - four devoted to tubes and four to transistors. Section one provides a cross-reference of popular American receiving tubes, listing substitutions which have similar or superior characteristics and which require no mechanical changes or circuit modifications. In each case the best substitute is listed separately from the others that can be used. Section 2 lists substitutes for popular tubes found in commercial and industrial equipment. Again, the most appropriate substitute is identified. American substitutes for popular foreign tubes are presented in Section 3, while Section 4 includes base diagrams keyed for the tube listings in each section.

The transistor portion begins with Section 5, which contains a complete listing of popular American types and the most readily-available, popularly-priced substitutes. Section 6 lists American substitutes for the most often encountered foreign transistors, and with the increasing variety of imported gear being sold in the country, transistor substitution is often the only answer to a repair problem. Section 7 is a listing of general-purpose replacements for popular original equipment types. Here are substitutions chosen from the general "all-purpose" types offered by leading manufacturers. For the purpose of lead identification, Section 8 includes base diagrams which are keyed to the original type listings, thus enabling the proper identification of emitter, base and collector terminal leads.

Contents: Popular Receiving Tubes (1173 substitutes for 770 original types), Industrial and Commercial Tubes (264 substitutes for 142 original types), American Substitutes for Foreign Tubes (985 substitutes for 793 types), Tube Circuit and Base Diagrams - Popular Transistors (2248 substitutes for 454 original types), American Substitutes for Foreign Transistors (1486 substitutes for 301 original types), General Purpose Transistor Substitutes (606 substitutes for 150 original types), Transistor Base Diagrams and Manufacturer Abbreviations.

* Amateur Radio Editors Association

K3WEU, Paul

O WHERE, O WHERE HAVE THE FLOWERS GONE?

Well.... ya know, I've been thinking. Tuned across six the other night, not one station. Or at least none that I could hear. Tuned six again last night. Almost as bad. One poor little single sidewinder, pleading for a QSO. Wonder where all those stations that signed into the Sunday Net where?

O WHERE, O WHERE HAVE THE FLOWERS GONE? (Continued)

Or all those stations that said "see you after the contest old man"? Guess they burned up their rigs or lost their antennas or something.

Tried two tonight. Guy up near New York talking to somebody out on Long Island. Nobody else though. Thought maybe my converters weren't working. Checked them out. All okay. Turned on the BFO, thought maybe some side-winders might be on. Tuned down around one forty five, nothing down there either. Where are all those stations I keep hearing about being on two side-band?

At least two twenty's hot. There's Doc talking to Charlie, can't hear Charlie though. Jo and Randy are yacking at each other again, and there's Harry and Jack making like Sandler and Young. Maybe I should work on the Barry rig, nobody can hear me anymore. Not tonight, don't feel like it.

Checked the log last night. Last contact on the ninth, six meter sideband net. Called CQ once on the twentyfourth, no come back though. Lots of contacts on the fourth and fifth of January, that contest really brings em out of the woodwork.

Ooooh well, guess I'll go up and watch the boob tube. Nobody on the VHF bands anymore.

The Grouch

STOLEN GEAR
K3JJZ, Elliott Weisman

The following was stolen from my car the evening of March 17, 1969:

- 1 Elmac PMR-7 receiver, white perforated metal case with gray front panel. There will probably be two large holes in the top of the cabinet where it was ripped from its supports.
- 1 Ameco 6 meter tube type conv. for broadcast band - Motorola input and output jacks were changed to RCA phono plugs.
- 1 Ameco 6M nuvistor preamp.
- 1 "Link" transmitter control head with carbon PTT mike (blue telephone type), and externally mounted mute relay.
- 1 Shure 505C PTT mike.
- 1 HB switch box with 15 VDC meter and 50 watt W.W. pot.

Should you determine the location of any of this gear please notify the Philadelphia Police Department.

-4- TNX
 K3JJZ, El

There will be a slight pause in my mobile operating but we'll get something

SOME THOUGHTS ON ANTENNA HEIGHTS
W2AXU, John B. Power

What does antenna height mean with regard to the radio horizon at UHF? The old saying "the higher the better" holds true but by how much. There is an economical trade-off between height and dollars.

The radio horizon is defined as the distance a UHF radio signal will travel from the transmitting to the receiving antenna in a straight line or the optical distance to the horizon plus approximately 10% more for signal refraction.

Listed in Table I are various heights above sea level a transmitting antenna is located and the radio horizon to a receiving antenna 50 feet above sea level. Table II is the radio horizon from a transmitting antenna at various heights mounted at 300 feet elevation. Table III lists the radio horizon when the receiving antenna is mounted on a 50 foot tower at a 200 foot elevation; a total height of 250 feet. The transmitting antenna is the same as Table II, 300 feet elevation.

TABLE I
Receiving Antenna 50 Feet Above Sea Level

<u>Transmitting Antenna</u> <u>Above Sea Level</u>	<u>Radio Horizon</u>
50 ft.	20.0 mi.
100 ft.	23.0 mi.
150 ft.	25.0 mi.
200 ft.	29.0 mi.

TABLE II
Receiving Antenna 50 Feet Above Sea Level

<u>Transmitting Antenna</u> <u>Above 300 Ft. Elevation</u>	<u>Radio Horizon</u>
350 ft.	35.0 mi.
400 ft.	37.5 mi.
450 ft.	39.0 mi.
500 ft.	41.0 mi.
550 ft.	42.5 mi.

TABLE III
Receiving Antenna 50 Feet Above 200 Feet Elevation

<u>Transmitting Antenna</u> <u>Above 300 Ft. Elevation</u>	<u>Radio Horizon</u>
350 ft.	47.5 mi.
400 ft.	50.0 mi.
450 ft.	51.0 mi.
500 ft.	53.0 mi.
550 ft.	54.5 mi.

RIDLEY TOWNSHIP VS. HAM RADIO
DE K3PON

March 2, 1969 - H. J. Woodrow, K3MTF, 622 Amosland Road, Holmes, Pa., was digging a hole beside his home in preparation for installation of a tower. He was stopped by a Ridley Township policeman who informed him that a building permit was required.

March 4, 1969 - Letter submitted from K3MTF requesting a building permit authorizing installation of a 16 GA, 40 foot galvanized tower beside his dwelling which would be used to support an amateur radio antenna.

March 5, 1969 - Regular meeting of Ridley Township Commission.

March 6, 1969 - From the Delaware County Daily Times, page 8, "Radio Antennas Banned - Ridley Township Limits Hams".

March 9, 1969 - From the Sunday Bulletin - Suburban West, Section 7, page 2, "The board approved a resolution confirming an ordinance which prohibits ham radio antennas."

March 10, 1969 - WA3IGY, Joe Martin, and K3PON, Rock Bucher appeared at Ridley Township and talked to Harry G. Modesti (Township Secretary). Their purpose was to obtain a copy of the "ordinance". Mr. Modesti was unable to supply the copy since there is no such ordinance presently in effect.

March 11, 1969 - Harry Woodrow, K3MTF, received a letter from the township denying application for installation of radio tower.

K3NYQ, William Turner Esq., has submitted a letter to the Commission requesting to be heard in this matter.

ARRL has supplied transcript of court decisions in similar cases.

More to follow when available.

Rock Bucher
711 Michell Street
Ridley Township, Pa.
LU 6-5410

ARRL BULLETINS (Continued)

NR 212, March 13, 1969

Operating Aid 14 continues to be a popular and useful ARRL aid. The convenient perforated form includes the RST system, a time conversion chart, ending signals, the ARRL and ICAO phonetic alphabets and steps to follow in an emergency. To get your free copy, send a stamped self-addressed envelope to ARRL, 225 Main Street, Newington, Connecticut 06111 AR

FELLOW AMATEURS:- Here are some firms and fellow hams that are interested in you and your business. They have seen fit to support CHEESEBITS by giving us a little revenue each month in return for your support. If you have need for the service listed, you can't possibly do better than to deal with a fellow amateur, now can you ?

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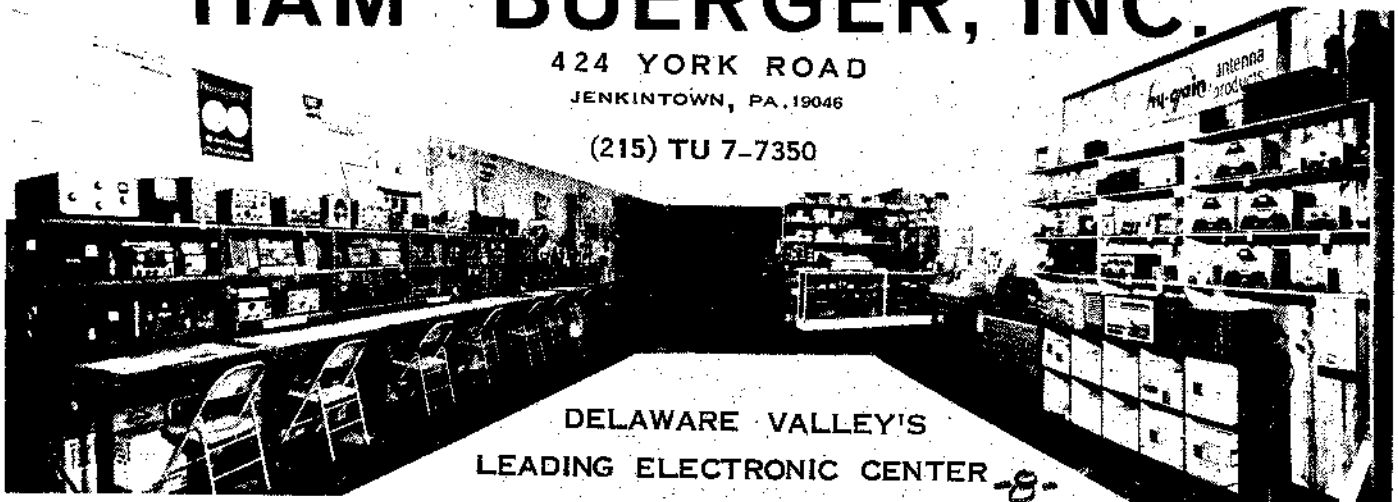
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-8-

TEMPEST?

It seems that the letter signed "The Grouch" of last month has initiated some activity. As promised, we are printing all of the replys. The opinions expressed are not necessarily those of the editor or the Mt. Airy V.H.F. Radio Club.

K3JJZ, E1

Dear Old Grouch:

Since you have decided to remain unidentified I will call myself Young Grouch.

I would like to answer your questions one by one:

- Maybe the reason so many members find it difficult to zero beat net control is that no "Old Grouch" has taken the time to discuss zero beating technique.
- As regards the constitution, when was the last time that we had a "Parliamentary" meeting?
- Maybe the reason some members talk during meetings is the lack of interesting programs.
- Maybe some members feel it their duty to check up on others because they know the club doesn't have the guts to do it.
- I can't comment on use of the club name because I don't understand what that has to do with attendance at meetings.
- And finally, I guess the reason some people think all they have to do as a member is take part in the January contest is because that seems to be where the primary interest of the club is.

Young Grouch

Sir or should I write cur?

I believe it is a waste of lather to shave an ass (donkey, that is). However, it may be possible to embalm you permanently with these few inadequate words -

About zero beating Net Control's frequency: After reading your pussillanimous comments I know what zero means, but what is beating?

Attending meetings to approve or disapprove constitutional amendments: What a silly question! Don't you find it important to lock yourself in the shack, read the mail and criticize everyone you hear on the air? Now, bubby.... doesn't it help you to rid yourself of hostilities, just as your psychiatrist suggested? Some of us have homework to do (I would guess you're too old or maybe just not interested), also we may have to read Welch's Blue Book, or the sayings of Mao, or Das Kapital, or attend a cell meeting or a Minuteman exercise. I heard that you stand in front of George Wallace's picture waving a confederate flag and keep repeating "Damnyankee is one word".

Continued on Page 8

TEMPEST? (Continued)

Checking up on other members? Listen you fink, how in the world were you inspired(?) to write what you did unless you have a bulging, too-big-to-handle guilt complex?

Can't imagine what pet projects youre writing about, but one of mine is the care and feeding of dogs like yourself; what's your excuse? If I didn't have to make sure you attended the AA meetings, I could make more of the club get-togethers.

Now about the January contests...here I have a confession to make for I believe everyone has his/her own hangup...his compulsion(s). One of mine is to go SSB in the contests. It makes me feel ten feet tall...larger than life and I feel that the club, particularly members like yourself should feel a sense of gratitude and awe that I conferred this special contribution to the total project. But tell me Grouch about your hangups (you've got plenty) ...for example, when did you first learn that you were different than other little boys?

You really gave me an inferiority complex...you struck a foul blow when you used the word "scurrilous" referring to your own comments and criticizing the editor for printing them. Look old man, trying to read, let alone understand big words is a real problem for many of us...so in the future please use one syllable words...take it easy...have pity on us. Can any of us help you with group therapy, or getting you a second psychiatrist?

In Brotherhood,
Paladin

DID YOU KNOW

Ridley Township has proposed or passed (we're not sure which) an ordinance banning the installation of ham radio towers. K3PON, Rock, is heading up a group to fight this ordinance. More to follow when information is available.

W3QAS, Lyn Rowland, Sr., was in and out of Mt. Pleasant Hospital, Mt. Pleasant, New Jersey. 75 meter sked with W3NSI, Lyn Rowland, Jr., to resume shortly.

K3WEU, Paul Behrmann, has been elected to the Board of Directors of the Jewish Welfare Board Armed Services and Veterans Committee of Philadelphia U.S.O.

K3GOZ, Herman Klein, was in and out of Rolling Hill Hospital.

WA3JSR, Ben Ginsburg, recently passed his general.

K3KTY, John Tate, wishes everyone to reserve April 19 for Ladies Night.

K3EPB, Howard Fretz, reports that his XYL Emily was in and out of the hospital.

WA3CAG, Dave Funk, is a new advanced class licensee.

K3ZPN, Lloyd Schoenig, is still looking for a 6M team captain for June QSO Party.

K3IUUV, Bert Soltoff, was welcomed with open arms at the last general meeting. He was the member required for a quorum.

Finally, after three months of effort a vote was taken on the constitutional ammendments. They were accepted. The ammendments were printed in a previous issue of CHEESE BITS.

LADIES NIGHT
K3KTY, John Tate

SWAP SHOP

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CONTACT: K3WEU, Paul R. Behrmann
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Well let's go gang - Here it's
only a couple of weeks away -
Ladies Night - April 19, 1969 -
6:30 p.m. at the Buck Hotel in
Feasterville, Pa. Tickets are
\$7.50 per person. Reservations
may be made until April 14, 1969.
A real meal with all the trimmings,
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Ask those who were there last year.
Call or write -

John Tate, K3KTY
520 Larkspur Street
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* * * * *

MEETING NOTICES

The next DIRECTORS MEETING will be
held on Wednesday, April 9, at the
QTH of W3KKN, Ernie Kenas, 2823
Old Welsh Road, Willow Grove, Pa.

The next GENERAL MEETING will be
held on Wednesday, April 16, at the
West Oak Lane Jewish Community
Center, Sedgewick and Thouron
Streets, Philadelphia, Pa. at 8 p.m.
There will be a film on the travels
of Apollo 8, arranged by W3KKN,
Ernie Kenas.

* * * * *

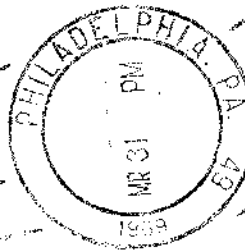
FROM HAM MONITOR

The astronaut was poised in his cap-
sule ready to be launched.

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"How would you feel", the astronaut
replied, "if you were sitting on
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MEETING NOTICE

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