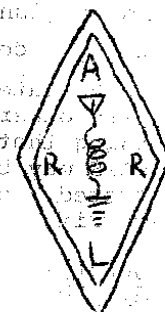




# PACK RATS CHEESE BITS



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

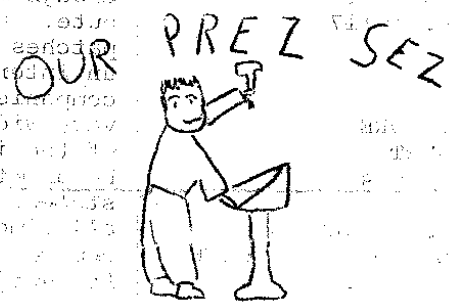
CLUB CALL: W3CCX

AFFILIATED CLUB: AMERICAN RADIO RELAY LEAGUE

MEMBER CLUB: DELAWARE VALLEY COUNCIL OF AMATEUR RADIO CLUBS

MEETING NOTICES: LAST PAGE

VOLUME XII FEBRUARY 1969 NUMBER 2



Although the task of collecting and correlating the January V.H.F. Sweepstakes data is still in progress, the total effort of the club can be estimated and the score will be more than what was predicted by the committee. The final outcome of the contest will not be known officially for three or four months, but I am sure we will retain our number one position and possibly add several individual scoring records. The chairman, committee and the membership are to be congratulated for their personal effort and team work which made the accumulation of our outstanding score possible.

There are two new committees appointed who will select the winners of the "Best Article in CHEESE BITS" Award and the "Man of the Year" Award. K3GAS, Doc Cutler, is chairman of the CHEESE BITS Award and will be assisted by W3GEW, Sid Weiner, and K3ZPQ, Bob Elmer. The "Man of the Year" committee chairman is W3CL, Harry Stein, assisted by W3MFY, Press Funk, and K3ZPN, Lloyd Schoenig. Your help in the selections for these awards is invited and the committees will welcome your suggestions and discuss them with you. So let's get out of the rocking chair and participate in the selection of the winners.

I am sure almost everyone, particularly club members, will agree that the Pack Rats have a fine club and we have to acknowledge the tremendous display of solidarity on the part of the membership during the contests. However, every good thinking member must realize that it takes more than contest participation to keep a club strong and healthy. Therefore, I think it behooves everyone to take stock of his contributions to the club in the past year and if it comes to zero get busy and do something about it.

The first question will probably be what can I contribute. Well, contributions can take many forms. For instance working on a committee, assisting a committee, participating in general membership meetings regularly,

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

20¢ per copy \$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.

DEADLINE FOR ARTICLES IS THE 20TH OF EACH MONTH.

EDITOR:

K3JJZ, ELLIOTT WEISMAN  
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

PRINTER AND SUBSCRIPTION MANAGER:

K8BAS, DOC CUTLER  
7815 NEW SECOND STREET  
PHILADELPHIA, PA. 19117  
215 - ME 5-1078

AWARDS CHAIRMAN:

W2EIF, 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 K3ZPN, LLOYD SCHOENIG.

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 - 1968-1969:

PRESIDENT: K3HSS, CHARLES LUSTICK  
VICE-PRES.: W3MFY, PRESTON FUNK  
CORRES. SEC.: W3SAO, FRANCIS BRICK  
REC. SEC.: W3ZPN, LLOYD SCHOENIG  
TREASURER: W3MVF, DAVID BLOCH

DIRECTORS:

W3LHF, DAVID ZIMMERMAN  
K3KTY, JOHN TATE  
W3CJU, DONALD HAMPTON  
W3KKN, ERNEST KENAS  
K3UJD, MARIO FONTANA  
K3CIV, RALPH HERSH  
(Ex-Officio)

PHILADELPHIA COUNTY ARESC:

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

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

NR 201, December 26, 1968

The next ARRL Simulated Emergency Test will take place January 25 and 26, 1969. This exercise is a serious effort to test local emergency plans and procedures under simulated emergency conditions. It will include all Amateur Radio Public Service Corps amateurs, in AREC NTS and RACES. There will be local exercises and nationwide traffic handling activities including traffic for the Red Cross, ARRL, civil defense and other agencies. You are urged to contact your local Emergency Coordinator now while there still remains time for you to be worked into the SET plans and help to justify the amateur service in terms of the public interest, convenience and necessity AR

NR 202, January 2, 1969

New interstate tariffs filed by the various telephone companies with FCC have been allowed to go into effect as of January 1, 1969, though many matters remain in dispute. Devices such as phone patches will be permitted through an interface leased from the phone companies. Installation charges vary widely, but monthly rentals of the interface are expected to be about fifty cents. In some states, interstate tariffs paralleling the federal rates have not yet been accepted by the public utilities commission AR

NR 203, January 9, 1969

A strike by dockworkers along the Atlantic and Gulf Coasts has caused suspension of all regular sea mail, including letters and QSL cards as well as packages and magazines, between the United States and Europe, Africa, the near east and the Caribbean islands. Sea mail to Central and South America, India, Pakistan, the far east and the Pacific continues to be handled through west coast ports. Air mail and air parcel post shipments are still being accepted to all points, and first class airlift mail to Puerto Rico and the Virgin Islands is still okay AR

NR 204, January 16, 1969

All amateurs are invited to participate in the 1969 ARRL International DX Competition, the first and third weekends of February and March. Full rules appear on page 64 of December QST. When requesting the new convenient logging forms please be sure to include your zip code along with your name and full mailing address. All forms are returned third class unless sufficient first class postage, a minimum of twelve cents, is supplied AR

"BOY YOU ARE REALLY DUMB HOWARD"  
 K3JJZ, Elliott Weisman, Editor

ns "Boy you are really dumb Howard." Those were the words of my No. 1 son as he explained to his best buddy about transmitter hunting. I didn't catch it all but as near as I could tell this is the way it went:

Howard: "How come sometimes on Sunday your Daddy puts all that funny looking junk on the car and then goes for a ride?"

Glen: "We aren't going for a ride, we are going on a transmitter hunt."

Howard: "A transmitter hunt! What's that?"

Glen: "Boy Howard you are really dumb. You don't even know what a transmitter hunt is."

Howard: "I can't help it my Daddy doesn't have one of those things that makes lines on television sets." (One point for the neighbors!)

Glen: "Okay, if you pay attention I'll tell you what happens on a transmitter hunt."  
 "First of all it really starts on Saturday, not the hunting for the transmitter but the getting ready for it. It takes my father a long time to get ready. He has to get his clip board, and a compass like the Boy Scouts use, and some meters. But the real trouble starts when he puts the extra antenna on the top of the car. This tells my Mommy that there is going to be a transmitter hunt tomorrow. She doesn't like that too much!"

Howard: "What does she do?"

Glen: "Most of the time she hollers at my Daddy about how he ought to spend Sunday with his family."

Howard: "So what does your Daddy do?"

Glen: "My Daddy is pretty smart. He tells her that the whole family can go on the transmitter hunt."

Howard: "Does she go?"

Glen: "No. Most of the time she just sends me and Brian to help. But anyhow on Sunday the car is gassed up and packed. We eat lunch and Daddy runs downstairs and puts on the rigs to listen for the tone. At first he can't find it so he starts turning switches and making all sorts of funny noises. I don't know what good this does but pretty soon we can hear 'This is W3-Charley Charley Xray Portable 3, the Pack Rats Hidden Transmitter Hunt!'"

Howard: "Then you already found it."

Glen: "No you dum-dum, we have to drive to where it is. My Daddy takes a reading and he sends me and Brian to the bathroom while he draws lines on the map."

Howard: "What happens if you don't go to the bathroom?"

Glen: "My Daddy gets very mad if we have to stop at a gas station when we already have a full tank of gas. Anyhow, we start driving and listening for the tone. It doesn't take too long before Daddy gets out and twists that extra antenna around."

Howard: "What does that do?"

Glen: "Nothing really, but it is supposed to tell you which road you go down to find the transmitter, but all the time when we do it my Daddy scratches his head."

Howard: "So then what do you do?"

Glen: "We go around in circles until the tone gets louder. That means we are getting closer."

Howard: "Gee did you ever find it."

Glen: "Only a couple of times. Most of the time while we are driving around we run into Harry, W3CL, and he doesn't know where he is going either. But usually he follows my Daddy and we get there."

Howard: "What do you do after you get there?"

Glen: "Well every time we get there this other guy is there. My Daddy says his name is Mario but he keeps saying Ivyland, so I guess his name is Mario Ivyland. Anyhow, then me and Brian have some soda and my Daddy has a beer, and Mario tells my Daddy that you can't find a transmitter on signal strength. Meanwhile the guys that hid it are trying to give Doc directions on how to get there. It sounds just like an emergency."

Howard: "Why did somebody get hurt?"

Glen: "No you dope, Doc is a dentist but he can't even find it after they give him directions. I'm glad he comes in last because I'll bet if it wasn't for him my Daddy would be ashamed to go transmitter hunting."

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

Pass the word along to your friends but give them this warning: listening to book reviews; participating in the discussions or reading books; building up your own library can be habit-forming!

SEMICONDUCTORS: FROM A TO Z (TAB Book No. 493) by Phillip Dahlen (272 pages, 26 chapters, 300 illustrations - \$7.95 hardbound; \$4.95 paperbound)

Here it is - everything one needs to know about the entire range of transistors and semiconductors used today - from basic diodes and transistors to FETs, MOS FETs, tunnel diodes, integrated circuits, varicaps, photo FETs, light-sensitive and light-emissive devices, incandescent and luminescent optic-electronic circuits, unijunction transistors, field-effect diodes, SCR and zener diodes, etc. Written in language anyone can understand, it explains how these various devices work and how they are used, with complete descriptions of all the common and unique circuits used in modern semiconductor technology. With the wealth of knowledge incorporated in this book, the reader will be eminently qualified to service any type of solid-state equipment.

The content begins with a review of how basic semiconductors work, including types and function, how a transistor conveys a signal, transistor biasing and self-biasing techniques, effects of temperature on operation, factors limiting transistor frequency response, etc. Succeeding chapters delve into the mystical arena of field-effect transistors by explaining the differences between FETs and regular transistors; junction FET applications, frequency response, temperature effects, and depletion-type and enhancement-type MOS FETs.

Considerable attention is given to integrated circuit applications - variable-current and constant-current sources, unbalanced differential amplifiers, IC applications in FM and TV receivers, TV sound circuits, discriminator circuits, and cascade amplifier networks. The use of varicaps is also covered, as well as unijunction transistors, field-effect diodes, zener diodes, SCR diodes, 4-layer diodes, diacs, and triacs. Several chapters are devoted to the new field of optic-electronic circuits, including uses for photovoltaic and photoconductive cells, photodiodes, phototransistors (FETs and MOS FETs), light-emitting diodes, optic lenses, fiber optics, incandescent couplers, luminescent couplers, and a "needle-less" phono pickup that plays standard records.

The final chapters deal with constant current and voltage regulating systems and DC-to-AC-to-DC converters.

\* AREA (Amateur Radio Editors Association)

K3WEU, Paul

\*\*\*\*\*

OUR PREZ SEZ (Continued)

have you discussed your idea for a meeting night program with the program chairman, do you find any interest or pleasure in the present activities of the club, if not, did you make your feelings known to the Board of Directors, etc. Just remember, if the progress of the club is not what you think it should be it may be because of your inactivity and the same for many others. I do not believe it is possible to go year after year without finding some time to contribute to the club to relieve some of the members who take care of one or two tasks each year.

The officers are deeply concerned with the welfare of the club, development of future leadership, staging of attractive programs for the members and visitors, also maintaining a club image that will be attractive to active amateurs seeking club affiliations. The help of every member is needed to achieve these goals. So, if you want a club to be proud of give them your active support. NOW!

SWAP SHOP

DID YOU KNOW

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

K3JJZ, Elliott Weisman, has been appointed chairman of the CHEESE BITS revision committee. Committee members are W3GEW, Sid Weiner; K3GAS, Doc Cutler; and K3MXX, Lee Cohen.

FOR SALE

- R-48 Converted and Xmtr for 220 mcs.

Firm price for both items \$35

CONTACT: K3WEU, Paul Behrmann  
5101 Wynnefield Avenue  
Philadelphia, Pa. 19131  
877-0562

W4GJO, "Grid" Gridley, TVI lawsuit case is being continued. The Pack Rats have collected \$22.50 for the W4GJO fund.

K3KTY, John Tate, has been appointed chairman of the picnic committee. The committee will be appointed at a later date.

FOR SALE OR SWAP

- TX-62 \$100
- 6 meter linear PR4CX250B complete with variac control power supply REQ 6 watts drive for 1500 watts PEP \$300
- Tapetone 417A 2 mtr. conv. \$25
- Drake 6 mtr. fet. conv. \$55
- 4 el. 6 mtr. hy gain ant. \$15
- National NC 98 recv. \$50

W3OZP, Bill Miller, is home from the hospital and doing better.

W3CXU, John Allen, had a mild heart attack. Room 7H04, Abington Hospital, Abington, Pa.

WANTED

- 2 mtr. Hetrodyne unit SB-401/400 Xmtr. Stereo tape deck

CONTACT: WA3BIV, Carl Barish  
7948 Thouron Avenue  
Philadelphia, Pa. 19150  
LI 9-8765

K3ALK, George Keyser, is recuperating from surgery at Germantown Hospital, Room 102, Phila.

W3CL, Harry Stein, recently lost his mother. Our deepest sympathy Harry.

WA3BIV, Carl Barish, had some sort of growling signal on 432.027.

K3IUUV, Bert Soltoff, had 11 stations check in to the 432 net on January 21.

FOR SALE

- New 230-250 mc amp. 4X150 tube with power supply
- Group AN/TRA-19 amplifier AM-456A/TRA-19

- Power supply PP840/TRA-19 \$50  
CONTACT: W3JKH, Gerard Baldauf  
175 Wernersville Blvd.  
Wernersville, Pa. 19565  
215 - 678-3980  
929-7694

\*\*\*\*\*

The following Pack Rats had scores of 10,000 points or higher during the January 4 and 5 contest:

W3MPY	W3H FY	W3GEW
K3IPM	W2EIF	WA3EPS
WA3CAG	K3ZPN	K3GAS
W3KKN	WA3BIV	K3BPP
K3IUUV	K3JJZ	W3CJU
W3LHF	WB2SZK	W3SAO
W3CL	W3HK	W3CCX

FOR SALE

- 6M SSB - Exciter - WFO - PR6146 amplifier - 3 power supplies

CONTACT: W3MVF, Dave Bloch  
6922 Revere Street  
Philadelphia, Pa. 19149  
DE 3-0811

\*\*\*\*\*

DE LERC BULLETIN

If you want a straight-forward explanation of noise sources and remedies, a free booklet by Champion Spark Plug Company entitled "Giving Two-Way Mobile Radio Its Voice" is available on request - Champion Spark Plug Company, P.O. Box 910, Toledo, Ohio 43601.

\*\*\*\*\*

MEETING NOTICES

The next DIRECTORS MEETING will be held on Wednesday, February 12, at the QTH of K3GAS, Doc Cutler, 7815 New Second Street, Philadelphia, Pa.

\*\*\*\*\*

The next GENERAL MEETING will be held on February 19 at the West Oaklane Jewish Community Center, Sedgewick and Thouron Streets, Philadelphia, Pa. at 8 p.m. The topic will be "Frequency Measuring". Bring gear for frequency measurement.

MEMBERSHIP

Retired - W2LZA, Lyman Bethke (Brod) Resignation withdrawn -  
W2AXU, Jack Power  
Military address - WA3HVL, Don Derosa B449986, Company 746, 15th Battalion RTC, Great Lakes, Illinois 60088

PACK RATS CHEESE BITS

8533 ALCON AVE.,

PHILA., PA. 19152



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

**MEETING NOTICE**

**FIRST CLASS MAIL**

*[Faint, mostly illegible text, likely bleed-through from the reverse side of the page.]*

*[Faint, mostly illegible text, likely bleed-through from the reverse side of the page.]*

*[Faint, mostly illegible text, likely bleed-through from the reverse side of the page.]*

*[Faint, mostly illegible text, likely bleed-through from the reverse side of the page.]*