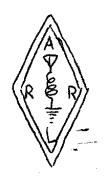


PACK RATS

CLUB CALL: W3CCX MARCH,





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.

EDITOR:

K3JJZ, ELLIOTT WEISMAN 8533 ALGON AVENUE PHILADELPHIA, PA. 19152 215 - PI 2-3525

TRUSTEE OF CLUB CALL: W3SAO, FRANCIS BRICK 821 W. LINDLEY AVENUE

PHILADELPHIA, PA. 19141 215 - DA 4-7524

PRINTER AND SUBSCRIPTION MANAGER:

K3GAS, 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

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. 9:30 P.M. 221.4 432.3 - 10:00 P.M.

OFFICERS -1968-1969:

PRESIDENT: K3HSS, CHARLES LUSTICK VICE-PRES.: W3MFY, PRESTON FUNK CORRES.SEC.: W3SAO, FRANCIS BRICK K3ZPN, LLOYD SCHOENIG REC. SEC.: 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)

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.

MEETING NOTICES: LAST PAGE

Certificate Chairman June QSO Party Chairman - K3ZPN, Lloyd Schoenig Ladies Night Chairman - K3KTY, John Tate Membership Chairman Picnic Chairman Program Chairman Refreshment Chairman

Technical Chairman

- W2EIF, Jo Kilgore

W3CL, Harry SteinK3KTY, John TateW3MFY, Pres Funk - WA3BRV, Harry Hover

- W2AXU, Jack Power



In spite of the masty weather that is still prevailing, it is a good feeling to realize that shortly we will be tearing the month of February from the calendar and that spring is but three weeks away. Of course, this means everyone wind has an antenna problem will the preparing to take care of it when the first good break in the weather comes along. In my case I flyare it should be in the month of April a but whether you have such a problem or not April is a very important month to keep in mind because "Eadies" Night" will be held on the 19th of April. So while the chairman is busy working out the details of the affair we should also start making plans to attend and make this Ladies' Night the best ever. 2007 0000 marriable 30 44 0 40 40 40 40

Every member knows that dues alone never cover the expenses of the Club so additional revenue must be obtained from the membership in the most painless way possible. One method is our monthly raffle. It appears to be insignificant, but it helps to defray a meeting night expense that the club could not afford without this help. To make the raffle interesting and to invite participation, the Club needs useful prizes. These prizes needsmotThe expensive but can be simple accessories you no longer use, and little bag, of components which you have in excess, etc. I know itsoald been said before, but it will be repeated as often as it is necessary to obtain an adequate response. The raffle cannot be maintained without prizes so fellows your earnest cooperation is needed; if you need more information talk it over with your very able raffle chairman, 343UJD, Mario. author value of the is

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215 - ap 5 lc 5

ARRE DULLETINS

Camb CavVI Claradent. R3KY John Corb 44K 205, January 12%, 1969

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AND SUBSTITUTE

Amateurs wishing to qualify for the ARRL Official Observer appointment should make note of the following Frequency Measuring Test. WIAW will transmit signals for measurement at 0230 GMT February, 8 con approximately 3540 7030 and 14,116 kilomertz. A second series of test signals will be transmitted at 0530 GMT February 6 on about 3547 7045 and 14,151 kiloHertz. Note that this is the evening of February 7, local time, for most United States and Canadian smateurs. Lach participant reporting prior to February 19 will receive an individual report comparing the accuracy of his measurements with those of a professional frequency measuring Laboratory Further FMT details appear on page 95 of January Ω ST \overline{AR}

which is it that ther publications are abyter NR 206; Tanuary 30; 11969 thinger Despite recent rumors and on the air statements by individual amateurs, the Thailand ban has not been lifted. For United States stations, the ban is still in effect with MS XU XV and 3008 stations. For Canadians, the above list applies plus MY and Myb. Reep this in mind during the February and March ARRL International DX Competition AR

NR 207, February 6, 1969 All amateurs who participated in the ARRL Simulated Emergency Test on January 25 and 26 are urged to make sure that their part was included in reports submitted by their Emergency Coordinator or net manager. ECs and Net Managers are reminded that the deadline for reports and photos is March 15 AR. . MCXI :

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Page 4

2 2 2 45

Reprinted from the Evening Bulletin -2-24 OLNEY i by the F.C.C. for myself is Lion

A teacher surprised three young men using a butane torch to set fire to desks storedum the fifth floor of Olney High School, Front St. and Duncannon Ave., at 11:40 this morning.

The teacher, Jay C. Jacobson, struggled with the three, but they escaped leaving the torch.

Jacobson, a biology teacher, had gone to the fifth floor after he heard the sound of glass breaking. He found six window panes in a storage room had been broken. Then he discovered the youths. 73,

They jumped him when he sought to grab the torch.

A fire alarm was sounded and the school's 3,877 pupils filed outside.

Jacobson and school maintenance employees played fire extinguishers on the burning desks until firemen from Engine 61 and Ladder 29 arrived. wit { | an even

The firemen checked whether other fires had been set. Pupils then returned to classes. Fir rult to zero

Police Lt. Raymond Murphy said the three suspects are in their 20's and were flashily dressed. Two of the suspects are Negroes; the other is ugh members to atto

the Americants to all Murphy said the fire marshal's office and police are investigating. official to arong a TNX WASERQ, John Gallagher

FROM THE BOOK RACK Paul Re Behrmann K3WEU/*AREA ู้ส่งอานิย์อณ์. ระวา

Title: EASY WAY TO SERVICE RADIO RECEIVERS (Tab Book No. 429)

Author: Leo G. Sands

\$6.95 hardbound; \$3.95 paperback

Over 176 pages and 100 circuit diagrams and photos.

This brand new book tells how to diagnose and correct troubles in any kind of AM receiver - tube or transistor. Devoted exclusively to servicing standard AM broadcast receivers, the content details techniques for diagnosing and correcting troubles in any kind of tube or transistor radio set.

Beginning with a description of typical circuits and how they work, succeeding Chapters describe the many troubles that befall radio receivers, with step-by-step procedures on how to locate the defects most efficiently Virtually every possible symptom and component fault is included - from dead set to intermittent operation, from noisy reception to distortion. To help speed diagnosis, numerous charts are used to list trouble symptoms and the most probable causes toms and the most probable causes.

Other Chapters give complete details on alignment, special quick-check techniques, adding modifications such as tone-control circuits, extension speakers, headphones, tuning indicators, adapters, for, battery-operated sets, etc. The final chapter is devoted to the equipment needed and how to use it. Special test procedures - such as the use of substitution parts, signal tracers, etc. Make also described. This book will enable the reader to quickly diagnose and repair any AM receiver.

You have the reader to quickly diagnose and repair any AM receiver.

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WHAT HAPPENED TO THE CODE PRACTICE SESSIONS? K3ZPN, Lloyd Schoenig

By new you probably know the Code Practice Sessions sponsored by the Club have been discontinued. 2004 No. 1

Page 4 WHAT HAPPENED TO THE CODE PRACTICE SESSIONS? (Continued)

After more than four years of sessions, originally by W3CD and for the last several months myself, this station was cited by the F.C.C. for "transmission of codes or ciphers" in violation of F.C.C. Rules Section 97.117. These codes or ciphers are the five letter code groups that the club has been using for code practice for over four years!

We have been advised by the Philadelphia Field Engineering Bureau of the F.C.C. that the Washington office of the commission handles all inquires about F.C.C. Rules and at this time are awaiting a reply to our request for an interpretation of Section 97.117 as it applies to code practice transmissions.

K3ZPN, Lloyd

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Being a Pack Rat with a very long tail and an even longer snout, I have made numerous observations and now have a few questions to asklike of

Why do so many members find it so difficult to zero beat the net control during the Club's hets? and a set of an order of a second of a

Why haven't we been able to get enough members to attend a meeting in order to approve (or disapprove?) the Amendments to the Constitution?

Why do some members sit in the back of the room and talk during the whole meeting? Is It ax Tack of manners or intelligence?

Why do some members (member?) think it is their "duty" to check up on others? J. CHAMPERSONS FOR

Why do certain people think they may use the Club's name (with and without permission) for their own pet projects, and yet miss most of its

Why do some people think that all they must do as a member is enter the January V.H.F. S.ST?

Why does the Editor of CHEESE BITS print such scurrilous articles as:
this? You have a complete the scurrilous articles as:
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The Grouch

Editor's Note The above article was "found" at the last General Meeting. CHEESE Birs will print all replys. I haven't the faintest idea who the old grouch is but in answer to his last question, "Why does the Editor of CHEESE BITS print such scurrilous articles as this?", the Editor of CHEESE BITS firmly believes that the club paper is a sounding board for all of the club members. The fact that they may be voicing an unpopular opinion is not really important. The fact that they have a place to voice this opinion is. alignment, special guidenteck rome educal elecution ansion cons. On bottonyme 6 1805 -/ ja.50 ro.550 8] **K3JJZ, El** - badkod

TECHNOLOGIA AND BE WIGEW, SID WEINER or of

Don't head for your psychiatrist if you happen to see a Pennsylvania auto tag with call letter of K2KRC on it. You're not sick in the head. Frank, whose QTH is now at Front Street and Roosevelt Boulevard, moved here from two land and ordered his old call on his Pennsylvania tag.* His three land call is not known yet to me, as I haven't spoken to him for some time VOISLAY 401 (2014) 100 (2014) 100 (2014)

Modene, XYL of Harold K3GFG, listens in on six meters almost every evening. Harold is working for Roger Charlie Abel, up in the cold regions of the far north. Why don't all you guys say hello to her on the nets or any time you in QSO on six meters?



The following is the text of the letter received from Mr. James E. Barr, Chief, Safety & Special Radio Services Bureau of the Federal Communications Commission, in reply to my letter requesting clarification of Section 97.117 of the Commission's Rules.

In reply refer to 7524

Dear Mr. Schoenig:

This is in reply to your recent letter concerning Section 97.117 of the Commission's Rules.

Section 97.117 of the rules prohibits the transmission of messages by "secret" codes or ciphers or by speech scramblingfor evasive purposes. The term plain language in this section refers to transmission of information in every day conversational language or in a code, such as the International Morse Code, which relates messages in every day conversational language.

This section, however, should not be construed to prohibit the transmission of a series of "code groups" in International Morse Code which are interrupted frequently and indentified as code pratice transmissions intended for persons learning or improving their proficiency in the International Morse Code.

Sincerely yours.

James E. Barr



CODE PRATICE SESSIONS WILL RESUME MONDAY,
10 MARCH 1969 AT 1900 EST

K3ZPN

CLUB ACQUIRES NEW DUPLICATING EQUIPTMENT

As you probably know the club has acquired an offset duplicator. Although somewhat limited in comparison to its larger and more advanced cousins, it has great versatility. In addition to being capable of duplicating two color work as on the other side of this sheet, it can duplicate photographs and schematic diagrams as well as regular typed copy.

The offset process is extremely simple; based on the fact that cil and water don't mix. The original copy is typed or drawn using special pencils on what is known as a master, a sheet of paper with a special water receptive coating. The typewriter and/or special pencil impression is oil receptive. The ink used has an oil base. Both ink and a water solution are applied to the master by the duplicator. Nonimage areas pick up the water and repel the ink, image areas pick up the ink and repel the water. The ink image is then transfered from the master to a rubber covered cylinder called the blanket, which in turn transfers it to the paper.

The basic function of the duplicator will be the production of Cheese Bits. Regular articles, those requiring typing only, should be submitted to the editor as usual. Articles which require a schematic diagram should have the diagram drawn, by the author, on a master. Both masters and special "Multilith" pencils (reproducing) are available from the editor and printer. Since articles which include photographs require special handling it is hoped that they will be held to a minimum and only those articles in which a photo is a necessity or will make a conspicuous improvement be submitted. Photo articles should be submitted typed on plain $8\frac{1}{8}$ x ll inch paper with the photo or photos well secured and positioned as the author desires.

(GRUNLING) TORS TADE W3GEW, SID WEINER (Continued)

Tam trying to get a new column started in CHEESE BITS called "Getting to know You". Send me a brief resume of yourself as to how or what or who started you out in ham radio, what your line of work is at the salt mine, what business of your own you are in, or what other hobbies you may have. You don't have to mention the name of your business or salt mine if you don't care to. You would be surprised at how much you con't know about your fellow "Pack Rats". It should make a very interesting column. Start sending in your letters fellows and I'll get it rolling. rollfing 200000 - maria and condition with Marian Marian Poad (2000) - 2000 - 2 Bridge

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Page 7

uschiel 1073.00 di .usiqe 3 Two W3GEW, Sid SUTS FERM

: tuning wit for low bands

NR 208, February 13, 1969

The ARRI Intruder Watch is now into its fifth year of operation, with Calti an impressive record of reports leading to intruders being removed from the amateur bands. Additional work and constant vigilance are necessary Volunteers, with two or three years amateur experience and good receiving equipment, who can spend two hours a week logging the calls of non amateur stations in the amateur bands would be welcomed. Volunteers please write the Intruder Watch, ARRL, 225 Main Street, Newington, RAGGA, Jack Greenage, and hir XYD

itudent ammir 🕁

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 1969 QST AR July Educati

scientific stuff aution that DE THE BLURB regard to accomp

Flat conductor cable technology, a product of the space program has reached the development stage where it could revolutionize the electrical cable industry. n va, 7242 Decemberde

Flat conductor cables - called FCC - have been developed at the NASA Marshall Space Flight Center for use on various rockets and spacecraft. About a dozen private industries also manufacture FCC.

Inherent advantages of FCC include: more flexibility, weight and space savings; wires are in fixed positions and cannot be accidentally crossed, wires serve as connector contacts, thus eliminating problems of soldering, welding and crimping; and the more efficient heat dissapation of flat cables results in cooler operation and more current carried.

Other outstanding potential markets for FCC include communication and radar equipment, computers, radio and television sets, controls and appliances, and automotive wiring harnesses.

Plastic insulating materials used in FCC make them stronger, more flexible, simpler in design, easier to produce and faster to install and service. Also, the flexibility natural to thin tapes and flat metal strips makes them virtually immune to vibration. mr 8 Js

The toughness of the insulating material makes FCC abrasive resistant and able to endure rough handling. Flat cables can be bent or rolded easily to follow the contour of proposed mounting areas. Another important point is that cuts and other defects can be spotted easily because the conductor can be seen through the insulating material. Also, being flat, every strand is visible. Only the outer wires are visible in a geround wire bundle. 36 283 -0.38 cmosi old: 7 Continued on Page 9

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Page 5

Conducted By: W3ZRR, Ray Whitehead CONTACT: WB2SZK, Randy Bynum
7329 Shelbourne St.
21 West Temple Avenue
Phila., Pa. 19111
Stratford, N.J. 08084
215 - RA 2-4786
609 - 783-8145

FOR SALE

FOR SALE

- Lafayette HE45-B and HE61-A VFO - Schematic or XTAL frequencies mint condition

- Heathkit Sixer - mint condition

- Hethkit SWR Bridge

Excellent Prices

- Drake TR-4 with AC powr. & spkr.

\$375 FIRM CONTACT: K3WEU, Paul Behrmann 5101 Wynnfield Avenue TR 7-0562

FOR SALE PROPERTY PROPERTY AND THE PROPERTY OF THE PROPERTY OF

FOR SALE
- 21 Motorola TV, Blond Cabinet,
Excellent Condition \$25

CONTACT: K3JJZ, Elliott Weisman

8533 Algon Avenue
Philadelphia, Pa. 19152
PI 2-3525

DID YOU KNOW

FOR SALE

Gonst Communicator IV 200 mc transceiver, mint condition, available in Levittown for 150.00

with mike, xtals, and beam

CONTACT: Al Nagler

745 S.E. 19th Avenue 1910

Deerfield Beach, Flagor W3ZRR, Ray (Whitehead, slipped and

An appointment to inspect will be arranged.

FOR SALE

- A large quantity of tubes and reached assorted parts, mostly new in T boxes. Being disposed of for deals with special deals for my regular customers!!!!

CONTACT: W3LHF, Dave Zimmerman Phila., Pa. 19117, 635-4942.

520 Centennial Road At last count there were 77 active members, 31 retired members, about laro infetor 675-4539

FOR SALE

+ RCA Minature TV (5 inch)

Make Offer one

CONTACT: K3BPK, Dave Ginden

Street

Philadelphia, Par 1911618

676-5571

Make Offer one

Contact: L0040 Jeanes Street

The next DIRECTORS MEETING will be held at the QTH of W3MFY, Pres

Funk, 4800 Magnolia Avenue,

Trevose, Pa., on March 12 at 8 p.m.

FOR SALE - Rohn #6 40' Tower - complete

357-8968

March 19 at 8 p.m. The meeting topic will be "Legal Phone Patches and Other Bell Telephone Gagetry".

**Example Control of the Cont

WANTED

- 4X-150A or 4X-250 etc. - also sockets and bypass condensers

- 100 watt modulation transformer

used in Navy Model RCK Radio Receiver - CZC-46223

CONTACT: K3MXM, Lee Cohen 8242 Brookside Road Elkins Park, Pa. 19117 ME 5-4942

李明 人名西西西西西西

WANTED

Philadelphia, Pa. 19131 - Johnson Matchbox or similar ant. tuning unit for low bands CONTACT: W3GEW, Sid Weiner 2036 Disston Street

Philadelphia, Pa. 19149 DE 2-8655

K3GQJ, Jack Greenage, and his XYL Janet (K3FHF) welcome their 5th harmonic, a boy.

W3ZRR, Ray (Whitehead, slipped and pulverized his elbow on the ice. Did a stint in Germantown Hos-

If ye old Ed doesn't receive more newsworthy items for the "Did You Know" column nobody will know what's happening.

W3GEC - the club to share half CHEESE BITS is now accepting busi-of the proceeds. The usual good per ad ness card ad's at \$1.00 per ad per issue. Contact K3MXM, Lee Cohen, 8242 Brookside Avenue,

and 4 student members.

The next GENERAL MEETING will be CONTACT: WA3CAG, Dave Funk held at the West Oak Lane Jewish
16 Valley View Drive Community Center, Sedgewick and
Langhorne, Pa. 19047 Thours Streets in Mt. Airy on

- Heath-Kit HG-10 VFO 80- 2 mtrs. A 16 page booklet entitled "Giving Two-Way Radio Its Voice" is available from:

> Champion Spark Plug Company P.O. Box 910

8 Toledo, Ohio 43601

MT. AIRY VHF RADIO CLUB 1969 ARRL VHF SWEEPSTAKES RECAP

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W2AXU	149	22	9536		WA3JSR	7 6	2	1824	
WA3BIV	334	11	14007		W3KKN	451	17	24300	
кзвоч	139	5	4170		K3KTY	253	4	7084	
кзврр	305	9	11571		K3KUB	100	5	3000	
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W2DIL	100	5	3000		K30BY	200	3	5200	
K3DLS	115	2	2760		W3PST/3	89	2	2136	
K3DUC	148	5	4440		W3SAO	296	8	10656	
W2EIF	416	15	20775	•	W3CCX	295	8	10620	
K3EOD	139	3	3614		W3SMK	200	9	7600	
кзерв	182	5	5460		WB2SZK	346	9	13148	
WA3EPS	318	9	12084		K3UJD	230	10	9200	
WA 3ERQ	263	3	6825		K3VEQ	141	3	3666	
WA3FAA	100	3	2600		K3WEU	129	2	3096	
W3FGQ	207	5	6210		K3WGJ	78	4	2184	
K3GAS	327	8	11772		K3WGK	78	4	2184	
W3GEW	336	9	12768		LIWEW	90	3	2340	
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K3GQJ	141	3	3666	, the second sec	K3ZKO	64	.2 ~	1536	
W3GXB	84	3	2184		K3ZPN	306	14	14688	
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W3HFY	402	12	17688	:	W3ZRR	132	3	3432	
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SCIENTIFIC STUFF (Continued)

Perhaps one of the most important advantages of flat cables is the built-in guard against getting wires crossed. All wires are parallel in the cable and the conductors on the end are keyed so that they can be joined in only one way - the right way.

(From Marshall Space Flight Center press release via WA3CNI)

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> (Prom. Graha The state Control program as the ARWELL